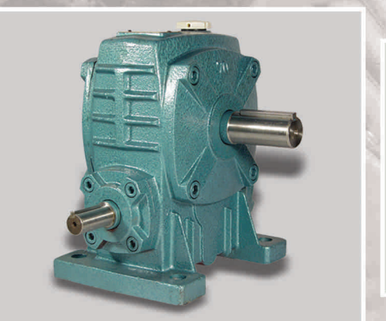
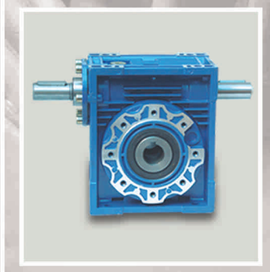
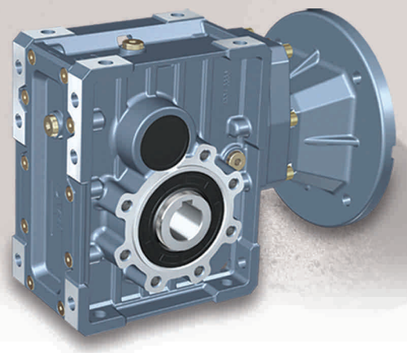
YUEMA

GEAR REDUCER





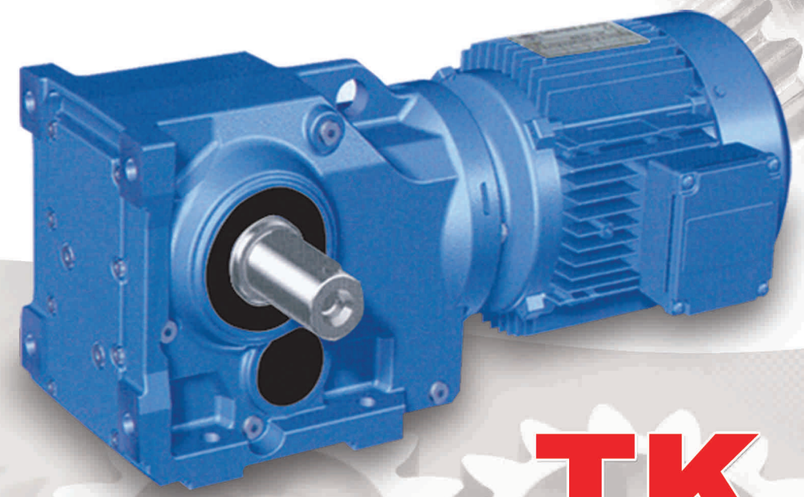


TK - BEVEL GEAR MOTORS

YUEMA

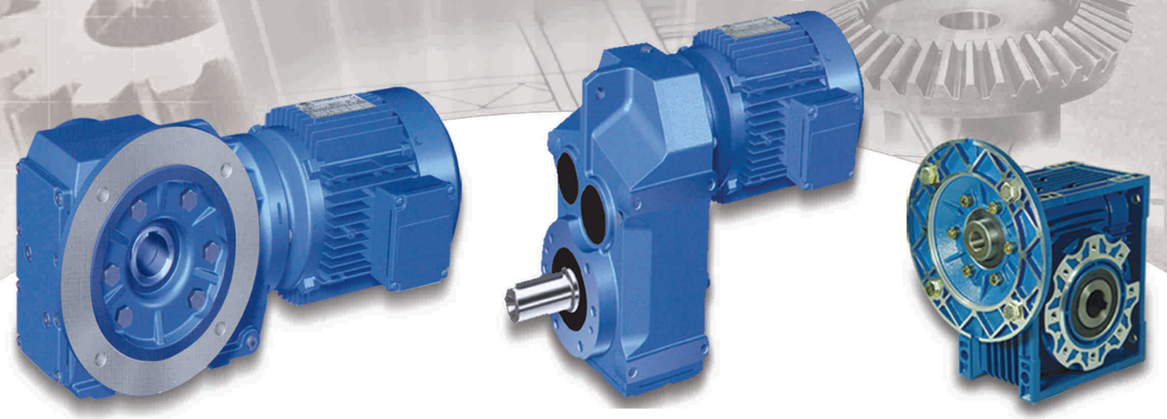
YUEMA

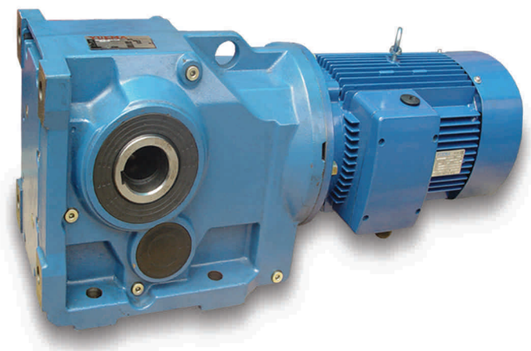
HELICAL BEVEL GEAR



TK

SERIES HELICAL BEVEL GEARED MOTORS





YUEMA

ELEKTRIC MOTOR

EFF2

IEC CE

TA Series

SA Series

Y3A Series

YAL Series

TAB Series

TA B35 Series

SA B5 Series

Y3A B5 Series

YU Series

YWE Series

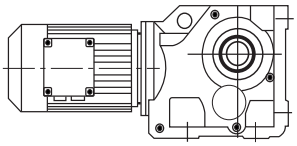
YAB Series

Elektrim Series

YA B5 Series

THE MOTOR CAN BE TRUST

SUMMARIZE



About YUEMA trasmission

Yuema transmission is a technology enterprice integrated research, manufacture and service reducers, and famous for providing high quality products and special transmission solusion to advance industrial nations. Today Yuema transmission's worm gearbox, helical gearbox and stepless reducer are used widely in many field. The security and reliable quality, enthusiastic and exact technical support, and rapid delivery time are able to establish Yuema in global transmission field succesfully.

1. SUMMARIZE

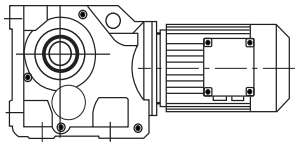
TK Series helical-bevel gearmotor is a new generation mechanic-electrical integrated product, which designed basing on the modular system. It can be connected respectively with motors such as common motor, brake motor, explosion-proof motor, frequency conversion motor, servo motor, IEC motor and so on. It can be mounted discretionary six orientation in solid space. This kind of product is widely used in drive fields such as textile, foodstuff, beverage, chemical industry, automatic arm ladder, automatic storage equipment, metallurgy, tobacco, environment-protection, logistics and so on.

1.1 Performance characteristic

1. Transmission ratio with fine stage covers a wide range;
2. Compact structure takes up small room;
3. low vibration; low noise; low energy dissipation;
4. Deft design; reliable and wearable; wide usage;
5. Modular, multistructure, can be combined in many forms to meet needs of all kinds of transmission conditions.

TK Series helical-bevel gearmotor is formed of helical-bevel gears unit and motor. The helical gear and bevel gear use high quality alloy steel with surface hardening;which shoped by high precision device. All housing are in cast iron. ofter precision finishing to ersure the shape and position precision, and it reaches advantageous performance such as: strong bearing capacity, long service-life; small volume; big ratio; light , high efficiency, low noise.

TK Series helical-bevel gearmotor has more than ten models. Combined with TRF series, the multi-stage gear reduction can be achieved. Power 0.12-200KW; Ratio 3.98-32625;Torque 200- 50000Nm. It can connect (foot, flange) discretionary and use multi-mounting positions according to customers' requirements.



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2. Product picture

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TKF.. Y..

TKA..B Y..
TKV..B Y..

TKH..B Y..

TKA.. Y..
TKV.. Y..

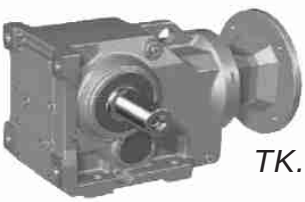
TKH..Y..

TKAF.. Y..
TKVF.. Y..

TKHF..Y..

TKAZ.. Y..
TKVZ.. Y..

TKHZ..Y..

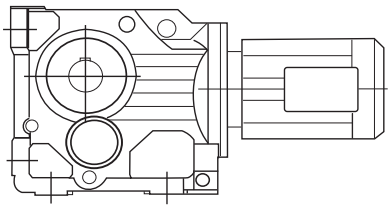
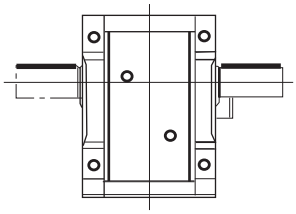


TK..AM (IEC)..

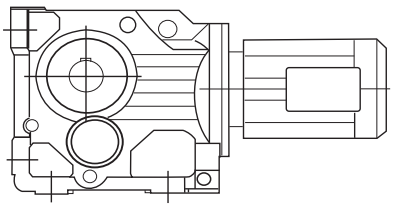
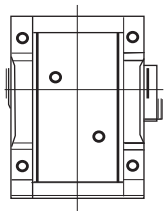
TKF..AD

2.2 Design

The following types of helical-bevel geared motor can be supplied.

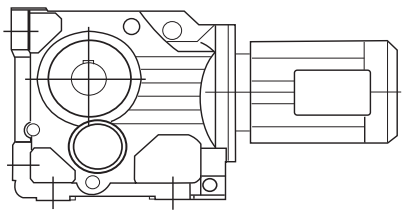
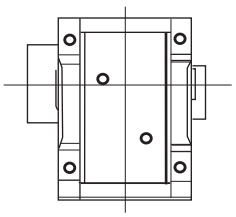



TK.. D..
Foot-mounted helical-bevel geared motor

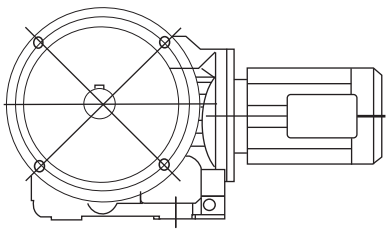
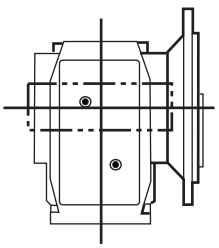



TKA.. BD..
Foot-mounted helical-bevel geared motor
With hollow shaft.

TKV.. BD..
Foot-mounted helical-bevel geared motor
With hollow shaft and splined hollow shaft to DIN 5480.

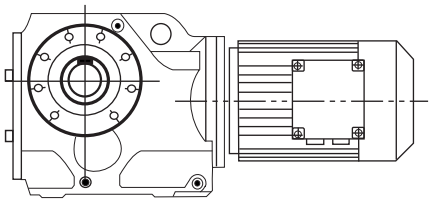
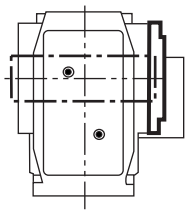



TKH.. BD..
Foot-mounted helical-bevel geared motor
With hollow shaft and shrink disk.

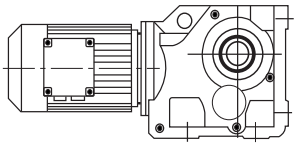
TKAF.. D..
Helical-bevel geared motor in B5 flange-mounted version.

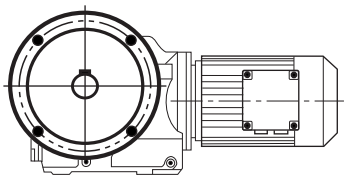
TKVF.. D..
Helical-bevel geared motor in B5 flange-mounted with hollow shaft and splined hollow shaft to DIN 5480.

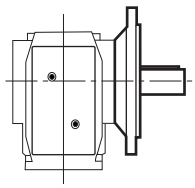



TKAZ.. D..
Helical-bevel geared motor in B14 flange-mounted with hollow shaft.

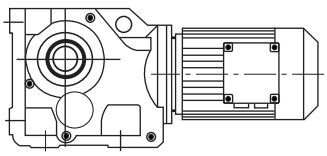
TKVZ.. D..
Helical-bevel geared motor in B14 flange-mounted with hollow shaft and splined hollow shaft to DIN 5480.

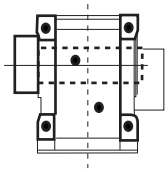




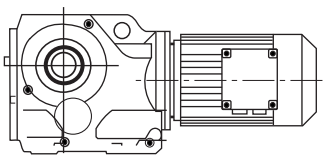


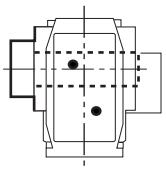
TKF.. D..
Helical-bevel geared motor in B5 flange-mounted



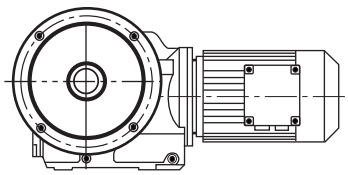


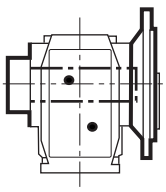
TKH.. BD..
Helical-bevel geared motor with hollow shaft,
and shrink disk



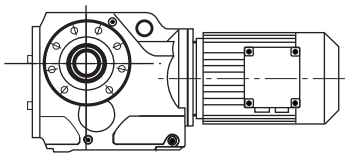


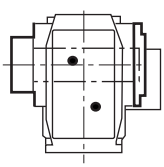
TKH.. D..
Helical-bevel geared motor with hollow shaft.
and shrink disk.



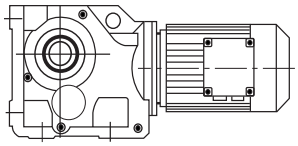


TKHF.. D..
Helical-bevel geared motor in B14 flange-mounted
version with hollow shaft, and shrink disk.





TKHZ.. D..
Helical-bevel geared motor in B14 flange-mounted
version with hollow shaft and shrink disk.



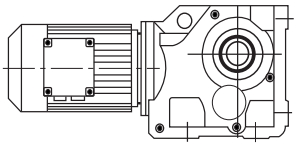
3. Model ILLUMINATE

TK A 87 B - Y 180 M 4 / BMG / HF / TF - 21.32 - M6 / 270°

1 2 3 4 5 6 7 8 9 10 11 12 13 14

No.	Comments
1□	TK : code for gear units series□
2.□	1. no code means foot-mounted□ 2. A: Hollow shaft 3. H: Hollow shaft with shrink disk□ 4. V: Splined hollow shaft to DIN 5480□ 5. F: B5 flange-mounted□ 6. Z: B14 flange-mounted
3.□	specification code of gear units 37, 47,... ...□
4.□	1. B: foot-mounted 2. T: torque arm-mounted□
5.□	1. Y: Motor code 2. AM: IEC input couplings
6.□	specification code of motor (high in motor center)
7.□	length code of stator core D, K, L , M, ML, N, S
8.□	pole number of motor 2, 4, 6, 8□
9.□	1. no code means no brake 2. BMG: brake□
10.□	1. no code means no manual release device 2. HF: manual release device with self-locking function□ 3. HR: manual release device with outself-locking function
11.□	1. no code means no motor heat-protection device□ 2. TF: motor heat-protection device
12.□	Transmission ratio of gear units i
13.□	M1: Mounting position, default mounting positions M1 not to write out is ok
14. □	position diagram for motor terminal box default position 0^0(R) not to write out is ok

Examples:□ TK57 - Y63M4 - 108.29□
TKF67 - AM80 - 27.82□
TKAF87 - Y90S4 / BMG - 115.82



4. RELEVANT PARAMETER

4.1 Power P□

$$P_1 = \frac{P_2}{\eta} \quad [kW]$$

$$P_{1n} \geqslant P_1 \cdot fs \quad [kW]$$

P_1 Input power
P_2 Output power
P_{1n} Rated input motor power
fs Service factor
η Transmission efficiency

TK Series helical gear units has 2 stage and the efficiency is about 96%.

4.2 Rotation speed n□

n_1 Gear units input speed

n_2 Gear units output speed

If driven by the external gearing,1400r/min or lower rotation speed is suggested so as to optimize the working conditions and prolong the service life. Higher input rotation speed is permitted, but in this situation, the rated torque M2 will be reduced.

4.3 Transmission ratio i□

$$i = \frac{n_1}{n_2}$$

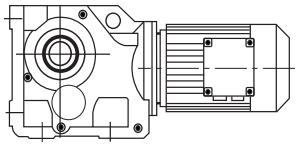
Usually transmission ratio is decimal fraction with 2 radix point tagged in selection tables.

4.4 Torque M□

$$M_2 = \frac{9550 \cdot P_1 \cdot \eta}{n_2} \quad [Nm]$$

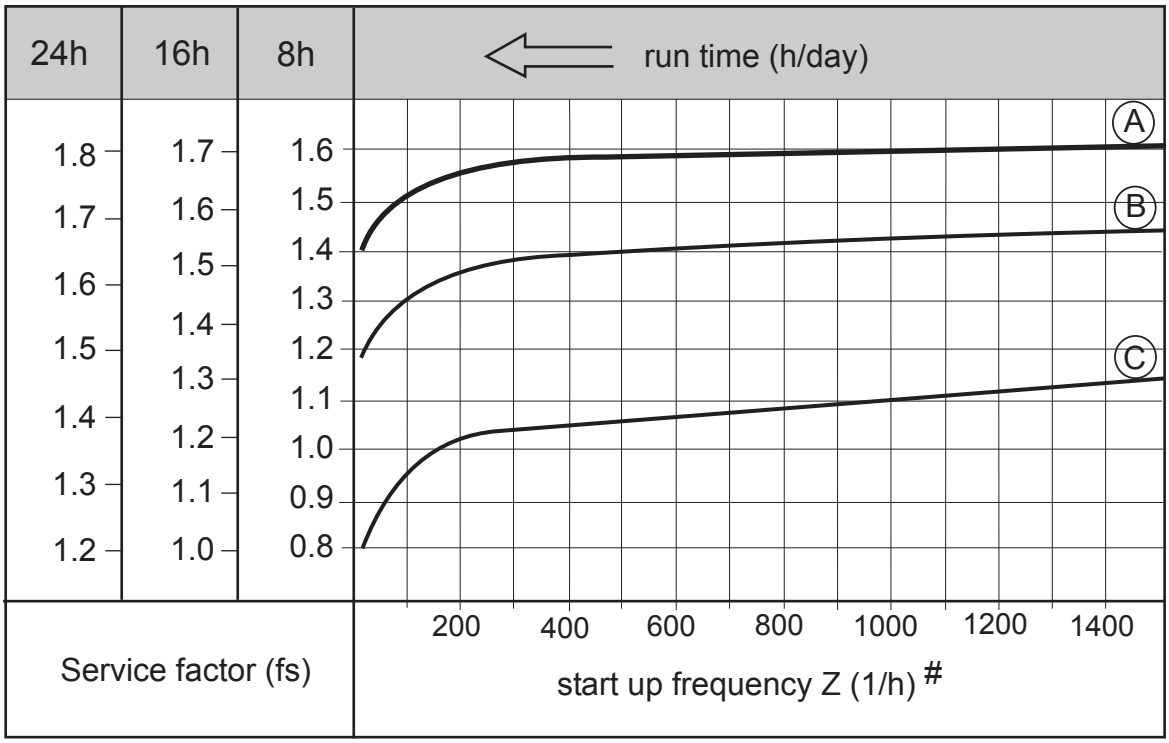
$$M_{2n} \geqslant M_2 \cdot fs \quad [Nm]$$

M_2 Output torque
M_{2n} Rated output torque
P_1 Input power
η Transmission efficiency
fs Service factor



4.5 Service factor fs

The effect of the driven machine on the gear unit is taken into account to a sufficient level of accuracy using the service factor fs. The service factor is determined according to the daily operating time and the starting frequency Z. Three load classifications are considered depending on the mass acceleration factor. You can read off the service factor applicable to your application in following Figure. The service factor selected using this diagram must be less than or equal to the service factor as given in the performance parameter table.



Starting frequency Z: The cycles include all starting and braking procedures as well as change overs from low to high speed.

4.5.1 Load classifications

(A) Uniform, shock load, permitted mass acceleration factor fa < 0.2

(B) Moderate, shock load, permitted mass acceleration factor fa < 3

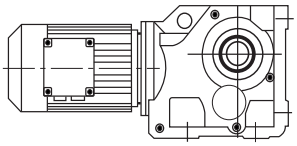
(C) Heavy shock load, permitted mass acceleration factor 10 fa < 10

Load classifications see the addendum.

4.5.2 Mass acceleration factor

The mass acceleration factor is calculated as follows:

$$fa = \frac{Jc}{Jm}$$



fa□ Mass acceleration factor
Jc□ All external mass moments of inertia [kgm^2]
Jm□ Mass moment of inertia on the motor end [kgm^2]

If mass acceleration factors fa > 10 , please call our Technical Service.□

To keep the service-life of gear units, the use factor fs selected from the catalogue must be equal or slightly higher than the calculated use factor fs .

4.6 Radial loads Fr□

When determining the resulting radial loads, the type of transmission elements, mounted on the shaft end must be considered. Various transmission elements are corresponding with following transmission element factors fz :

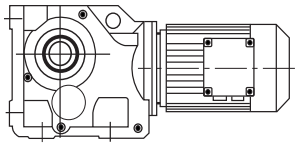
Transmission element	Transmission element factor Fz	Comments
Gears	1.00	⩾ 17 / teeth
	1.15	< 17 / teeth
Chain sprockets	1.00	⩾ 20 / teeth
	1.25	< 20 / teeth
	1.40	< 13 / teeth
Narrow V-belt pulleys	1.75	/ Influence of the tensile force
Flat belt pulleys	2.50	/ Influence of the tensile force
Toothed belt pulleys	2.50	/ Influence of the tensile force

The overhung loads exerted on the motor or gear shaft is then calculated as follows:□

$$Fr = \square \frac{M \cdot 2000 \cdot fz}{d_0} [N]\square$$

Fr□ Resulting radial load [N]
M□ Torque on the shaft [Nm]
d_0□ Mean diameter of the mounted transmission element in [mm]
fz□ Transmission element factor□

The basic for determining the permitted radial loads is the computation of the rated service life LH10 of the bearing (according to ISO 281). For special operating conditions, the permitted radial loads can be determined with regard to the modified service life Lna. The per mitted radial loads F_{r2} for the output shafts of foot-mounted gear units with asolid shaft are listed in the selection table. Contact our company in case of other versions.



RELEVANT PARAMETER

The permitted radial loads given in the selection tables must be calculated using the following formula in the event of force application not in the center of shaft end. the smaller of the two values F_{xL} (according to bearing service life) and F_{xW} (according to shaft strength) is the permitted value for the radial load at points x. Note that the calculations apply to $M_{2\ MAX}$.

$$FxL = Fr2 \cdot \frac{a}{b + x} \quad (N)$$

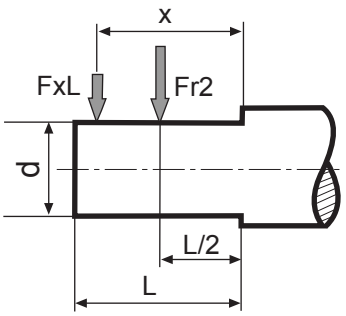
$$FxW = Fr2 \cdot \frac{c}{f + x} \quad (N)$$

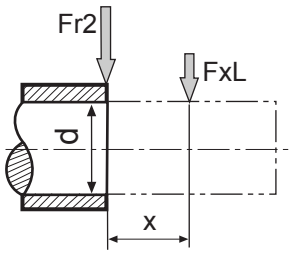
Fr2 Permitted overhung load (x = L/2) for foot-mounted gear units according to the selection tables in (N)

x Distance from the shaft shoulder to the force application points in (mm)

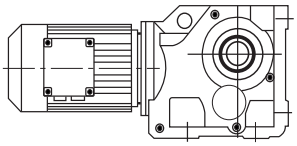
a, b, f Gear units constant for overhung load conversion (mm)

c Gear units constant for overhung load conversion (mm)



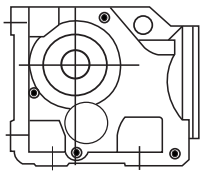


Gear unit type	a [mm]	b [mm]	c [mm]	f [mm]	d [mm]	L [mm]
TK37	123.5	98.5	1.41×10^5	0	25	50
TK47	153.5	123.5	1.78×10^5	0	30	60
TK57	169.7	134.7	6.8×10^5	32	35	70
TK67	181.3	141.3	4.12×10^5	0	40	80
TK77	215.8	165.8	7.69×10^5	0	50	100
TK87	252	192	1.64×10^6	0	60	120
TK97	319	249	2.8×10^6	0	70	140
TK107	373.5	288.5	5.53×10^6	0	90	170
TK127	443.5	338.5	8.31×10^6	0	110	210
TK157	509	404	1.18×10^7	0	120	210
TK167	621.5	496.5	1.88×10^7	0	160	250
TK187	720.5	560.5	3.04×10^7	0	190	320

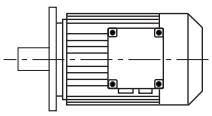


4.7 Selection tables comments

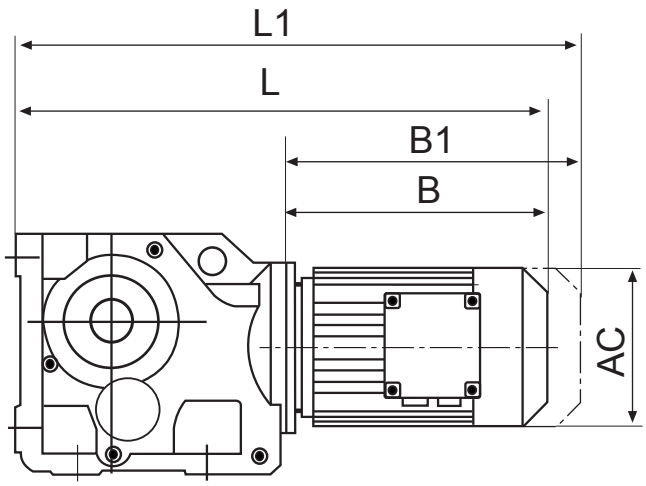
*	Finite gear unit reduction ratio;
P_{1n}	Rated power living motor (kW);
n_2	Output speed (r/min);
M_{2n}	Output torque (Nm);
M_{2max}	Max. permissible output torque (Nm);
Fr_2	Permissible overhung load output side (N);
i	Gear unit ratio;
fs	Service factor;

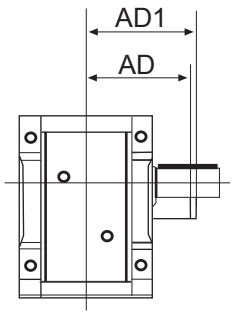


Gear unit type

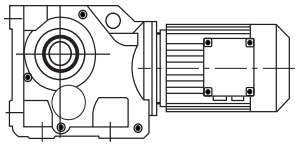


Motor type





L	Total length of gearmotor;
L_1	Total length of gearmotor including brake;
B	Lenght of motor;
B_1	Lenght of brake motor;
AC	Diameter of motor;
AD	Center of motor shaft to top part of terminal box;
AD_1	Center of brake motor shaft to top part of terminal box;



5. SELECTION EXAMPLE

5.1 Gear motor□

Example: Required power 30kW on driven machine, work for 16h/day, moderated shock load, so fs = 1.4, M5 foot-mounted, n2 = 85r/min□

$$i = \frac{n_{1}}{n_{2}} = \frac{1400}{85} = 16.47$$

$$P_{1n} \geqslant P_1 \bullet fs = \frac{P2}{\eta} \bullet fs = \frac{30}{0.94} \times 1.4 = 44.68\ (kW)$$

Choose type :

TK107 - Y225M4 - 16.75 - M5

5.2 Gear motor□

Examples: Recluired torque 5000Nm on driven machine, work 8h/day uniform load, so fs = 1.2, flange mounted, n2 = 4r/min, choose TF../TRF..□

$$i = \frac{n_{1}}{n_{2}} = \frac{1400}{4} = 350$$

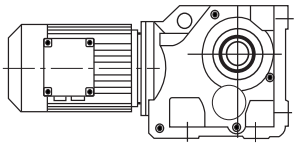
$$M_{2N} \geqslant M_2 \bullet fs = 5000 \times 1.2 = 6000(Nm)$$

$$P_{1n} \geqslant P_1 \bullet fs = \frac{M_2 \bullet n_1}{9550 \bullet \eta \bullet i} \bullet fs = \frac{5000x1400}{9500 \times 0.94 \times 0.96 \times 350} \times 1.4 = 44.68\ (kW)$$

Choose type:

TKF107 / TRF77 - 364

PERFORMANCE PARAMETER TK..Y..(KW)



6.2 TK..Y../ Performance parameter

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
0.12□	0.08□	10900□	17550□	80300□	1.20□	TK□	127 / TRF77□	YDA 63S4
	0.09□	9900□	16006□	80700□	1.30□	TKF□	127 / TRF77□	YDA 63S4
	0.09□	9260□	14975□	81000□	1.40□	TKA□	127 / TRF77□	YDA 63S4
	0.11□	7690□	12440□	81600□	1.70□	TKAF □	127 / TRF77□	YDA 63S4
	0.13□	6750□	10915□	81900□	1.95□			
	0.14□	6070□	9819□	82000□	2.1□			
	0.16□	5190□	8443□	82300□	2.5□			
	0.18□	4630□	7482□	82400□	2.8□			
	0.10□	8850□	14311□	65000□	0.90□			
	0.11□	7550□	12211□	65000□	1.05□	TK□	107 / TRF77□	YDA 63S4
	0.13□	6600□	10677□	65000□	1.20□	TKF□	107 / TRF77□	YDA 63S4
	0.14□	5890□	9524□	65000□	1.35□	TKA□	107 / TRF77□	YDA 63S4
	0.17□	5150□	8328□	65000□	1.55□	TKAF□	107 / TRF77□	YDA 63S4□
	0.19□	4500□	7270□	65000□	1.80□			
	0.22□	3710□	6184□	65000□	2.2□			
	0.24□	3220□	5662□	65000□	2.5□			
	0.27□	2920□	5138□	65000□	2.7□			
	0.32□	2680□	4359□	65000□	3.0□			
	0.17□	5460□	8054□	39400□	0.80□			
	0.20□	4430□	6970□	40000□	0.95□	TK□	97 / TRF57□	YDA 63S4□
	0.23□	4000□	6027□	40000□	1.05□	TKF□	97 / TRF57□	YDA 63S4□
	0.26□	3660□	5391□	40000□	1.20□	TKA□	97 / TRF57□	YDA 63S4□
	0.30□	3020□	4669□	40000□	1.40□	TKAF□	97 / TRF57□	YDA 63S4□
	0.34□	2740□	4082□	40000□	1.55□			
	0.39□	2380□	3583□	40000□	1.80□			
	0.44□	2100□	3108□	40000□	2.1□			
	0.50□	1770□	2757□	40000□	2.4□			
	0.57□	1650□	2419□	40000□	2.6□			
	0.65□	1430□	2123□	40000□	3.0□	TK□	97 / TRF57□	YDA 63S4
	0.74□	1270□	1856□	40000□	3.4□	TKF□	97 / TRF57□	YDA 63S4
	0.85□	1050□	1625□	40000□	4.1□	TKA□	97 / TRF57□	YDA 63S4
	0.96□	890□	1430□	40000□	4.8□	TKAF □	97 / TRF57□	YDA 63S4
	1.1□	870□	1261□	40000□	5.0□			
	1.2□	755□	1102□	40000□	5.7□			
	0.26□	3480□	5240□	26200□	0.80□			
	0.30□	2900□	4562□	27000□	0.95□	TK□	87 / TRF57□	YDA 63S4
	0.34□	2680□	4037□	27300□	1.00□	TKF□	87 / TRF57□	YDA 63S4
	0.38□	2400□	3609□	27600□	1.15□	TKA□	87 / TRF57□	YDA 63S4
	0.44□	2070□	3107□	28000□	1.30□	TKAF□	87 / TRF57□	YDA 63S4
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	0.58□	1530□	2371□	28400□	1.75□			
	0.66□	1430□	2088□	28500□	1.90□			
	0.74□	1270□	1854□	28600□	2.1□	TK□	87 / TRF57□	YDA 63S4
	0.83□	1140□	1657□	28700□	2.4□	TKF□	87 / TRF57□	YDA 63S4
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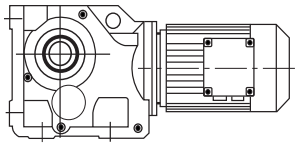
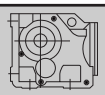
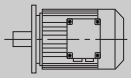
	1.1□	840□	1229□	28900□	3.2□	TKAF	87 / TRF57	YDA 63S4
	1.3□	725□	1078□	28900□	3.7□			
	1.4□	610□	951□	29000□	4.4□			
	1.7	525	837□	29000□	5.2			
	1.9	455	726	29000	5.9			



TK..Y..(KW) PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
0.12□	0.51□	1840□	2717□	11500□	0.85□	TK□	77 / TRF37□	YDA 63S4□
	0.58□	1530□	2370□	15500□	1.00□	TKF□	77 / TRF37□	YDA 63S4□
						TKA□	77 / TRF37□	YDA 63S4□
						TKAF□	77 I TRF37□	YDA 63S4□
	0.67□	1440□	2050□	16100□	1.10□	TK□	77 / TRF37□	YDA 63S4□
	0.78□	1230□	1772□	17300□	1.25□	TKF□	77 / TRF37□	YDA 63S4□
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	1.7□	570□	815□	19600□	2.7□			
	1.9□	450□	709□	19800□	3.5□			
	2.2□	395□	622□	19900□	3.9□			
	1.0□	960□	1351□	6940□	0.85□	TK□	67 / TRF37□	YDA 63S4□
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	1.3□	725□	1034□	11100□	1.15□	TKA□	67 / TRF37□	YDA 63S4□
	1.5□	605□	903□	11900□	1.35□	TKAF□	67 / TRF37□	YDA 63S4□
	1.7□	570□	793□	12100□	1.45□			
	2.0□	455□	697□	12600□	1.80□			
	2.2□	400□	613□	12800□	2.0□			
	2.6□	350□	542□	13000□	2.3□			
	2.9□	330□	471□	13000□	2.5□			
	3.3□	270□	420□	13000□	3.0□			
	3.8□	250□	361□	13000□	3.3□			
	4.3□	220□	323□	13000□	3.8□			
	5.0□	181□	279□	13000□	4.5□			
	5.6□	159□	246□	13000□	5.2□			
	6.4□	139□	217□	13000□	5.9□			
	1.5□	605□	906□	7590□	1.00□	TK□	57 / TRF37□	YDA 63S4□
	1.7□	545□	806□	8060□	1.10□	TKF□	57 / TRF37□	YDA 63S4□
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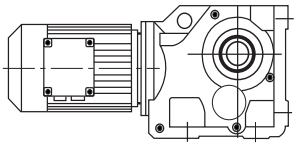
	2.2□	400□	615□	8870□	1.50□	TKAF□	57 / TRF37□	YDA 63S4□
	2.5□	350□	544□	9080□	1.70□			
	2.9□	325□	473□	9190□	1.85□			
	3.3□	275□	421□	9390□	2.2□			
	3.8□	250□	362□	9470□	2.4□			
	4.3□	220□	319□	9570□	2.8□			
	4.9□	181□	280□	9690□	3.3□			
	5.6□	160□	246□	9760□	3.8□			
	6.4□	141□	215□	9810□	4.3□			
	7.2□	126□	192□	9850□	4.8□			
	2.5□	380□	552□	6170□	1.05□	TK□	47 / TRF37□	YDA 63S4□
	2.8□	325□	495□	6840□	1.25□	TKF□	47 / TRF37□	YDA 63S4□
	3.2□	290□	426□	7160□	1.40□	TKA□	47 / TRF37□	YDA 63S4□
	3.7□	245□	375□	7510□	1.65□	TKAF□	47 / TRF37□	YDA 63S4□
	4.2□	225□	327□	7620□	1.75□			
	4.8□	198□	289□	7780□	2.0□			
	4.0□	245□	346□	3540□	0.80□	TK□	37 / TRF17□	YDA 63S4□
	4.5□	205□	304□	5570□	0.95□	TKF□	37 / TRF17□	YDA 63S4□
	5.2□	189□	267□	5760□	1.05□	TKA□	37 / TRF17□	YDA 63S4□
	5.9□	163□	234□	6010□	1.20□	TKAF□	37 / TRF17□	YDA 63S4□
	6.7□	143□	205□	6180□	1.40□			
	7.6□	124□	181□	6300□	1.60□			
	8.6	109	160	6400	1.85□			
	10□	91	136	6490□	2.2			

PERFORMANCE PARAMETER TK..Y..(KW)



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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						TKF□	67□	YDA 63M6□
						TKA□	67□	YDA 63M6□
						TKAF □	67□	YDA 63M6□
	6.2□	185□	145.14*□	9680□	3.3□	TK□	57□	YDA 63M6□
	7.3□	158□	123.85□	9760□	3.8□	TKF□	57□	YDA 63M6□
	8.3□	138□	108.29□	9820□	4.4□	TKA□	57□	YDA 63M6□
	8.8□	131□	102.88*□	9840□	4.6□	TKAF □	57□	YDA 63M6□
	10□	115□	90.26*□	9880□	5.2□			
	12□	98□	76.56*□	9930□	6.2□			
	9.5□	121□	145.14*□	9870□	5.0□	TK□	57□	YDA 63S4□
	11□	103□	123.85□	9920□	5.8□	TKF□	57□	YDA 63S4□
	13□	90□	108.29□	9950□	6.7□	TKA□	57□	YDA 63S4□
	13□	85□	102.88*□	9960□	7.0□	TKAF □	57□	YDA 63S4□
	15□	75□	90.26*□	9990□	8.0□			
	6.8□	168□	131.87*□	7930□	2.4□	TK□	47□	YDA 63M6□
	7.4□	155□	121.48*□	7990□	2.6□	TKF□	47□	YDA 63M6□
	8.6□	133□	104.37□	8070□	3.0□	TKA□	47□	YDA 63M6□
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	11□	101□	121.48*□	8170□	4.0□	TKF□	47□	YDA 63S4□
						TKA□	47□	YDA 63S4□
						TKAF □	47□	YDA 63S4□
	8.5□	136□	106.38□	6230□	1.50□	TK□	37□	YDA 63M6□
	9.2□	125□	97.81□	6300□	1.60□	TKF□	37□	YDA 63M6□
	11□	107□	83.69□	6410□	1.90□	TKA□	37□	YDA 63M6□
	12□	92□	72.54□	6480□	2.2□	TKAF □	37□	YDA 63M6□
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	14□	81□	97.81□	6530□	2.5□	TKF□	37□	YDA 63S4□
	16□	70□	83.69□	6570□	2.9□	TKA□	37□	YDA 63S4□
	19□	60□	72.54□	6600□	3.3□	TKAF □	37□	YDA 63S4□
	20□	56□	67.80□	6610□	3.6□			
	24□	49□	58.60□	6430□	4.1□			
	28□	41□	49.79□	6130□	4.8□			
	31□	37□	44.46□	5930□	5.4□			
	36□	32□	37.97□	5660□	6.4□			
	39□	30□	35.57□	5550□	6.8□			
	46□	25□	29.96□	5270□	8.0□			
	48□	24□	28.83□	5210□	8.4□			
	55□	21□	24.99□	4980□	9.6□			
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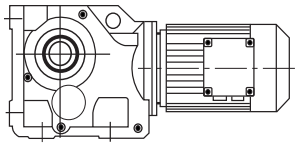
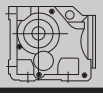
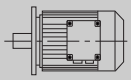
	114□	10□	12.14□	3970□	16□			
0.18□	0.09□	15800□	14975□	74400□	0.80□	TK□	127 / TRF77□	YDA 63M4□
	0.11□	13100□	12440□	79100□	1.00□	TKF□	127 / TRF77□	YDA 63M4□
	0.12□	11500□	10915□	80000□	1.15□	TKA□	127 / TRF77□	YDA 63M4□
	0.13□	10300□	9819□	80500□	1.25□	TKAF □	127 / TRF77□	YDA 63M4□
	0.16□	8870□	8443□	81100□	1.45□			
	0.18□	7880□	7482□	81500□	1.65□			
	0.20	6920	6565	81800	1.90□			
	0.23	5890	5804	82100	2.2			



PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	0.30□	4490□	4423□	82400□	2.9□	TKF□	127 / TRF77□	YDA 63M4□
	0.34□	3910□	3889□	82500□	3.3□	TKA□	127 / TRF77□	YDA 63M4□
	0.40□	3250□	3311□	82600□	4.0□	TKAF □	127 / TRF77□	YDA 63M4□
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	0.18□	7660□	7270□	65000□	1.05□	TKF□	107 / TRF77□	YDA 63M4□
	0.21□	6410□	6184□	65000□	1.25□	TKA□	107 / TRF77□	YDA 63M4□
	0.23□	5690□	5662□	65000□	1.40□	TKAF □	107 / TRF77□	YDA 63M4□
	0.26□	5160□	5138□	65000□	1.55□			
	0.30□	4580□	4359□	65000□	1.75□			
	0.35□	4010□	3810□	65000□	2.0□			
	0.39□	3410□	3358□	65000□	2.4□			
	0.44□	3090□	2977□	65000□	2.6□			
	0.51□	2690□	2599□	65000□	3.0□			
	0.58□	2320□	2286□	65000□	3.5□			
	0.28□	5060□	4669□	39800□	0.85□	TK□	97 / TRF57□	YDA 63M4□
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	0.42□	3450□	3108□	40000□	1.25□	TKAF□	97 / TRF57□	YDA 63M4□
	0.48□	2990□	2757□	40000□	1.45□			
	0.55□	2720□	2419□	40000□	1.60□	TK□	97 / TRF57□	YDA 63M4□
	0.62□	2360□	2123□	40000□	1.80□	TKF□	97 / TRF57□	YDA 63M4□
	0.71□	2090□	1856□	40000□	2.1□	TKA□	97 / TRF57□	YDA 63M4□
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	0.92□	1530□	1430□	40000□	2.8□			
	1.1□	1420□	1261□	40000□	3.0□			
	1.2□	1240□	1102□	40000□	3.5□			
	1.4□	1090□	957□	40000□	4.0□			
	1.5□	970□	855□	40000□	4.4□			
	1.8□	775□	743□	40000□	5.6□			
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	1.4□	1030□	951□	28800□	2.6□			
	1.6□	890□	837□	28800□	3.0□			
	1.8□	775□	726□	28900□	3.5□			
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	1.2□	1200□	1053□	17400□	1.30□	TKAF□	77 / TRF37□	YDA 63M4□
	1.4□	1050□	924□	18100□	1.45□			
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	1.9□	760□	709□	19100□	2.0□			
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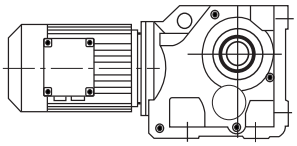
	2.4□	600□	552□	19500□	2.6□			
	2.7□	530□	485□	19600□	2.9□			
	3.1	465	428	19800	3.3□			
	3.6	410	367	19800	3.8			

PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	1.9□	765□	697□	10800□	1.05□	TKF□	67 / TRF37□	YDA 63M4□
	2.1□	670□	613□	11500□	1.20□	TKA□	67 / TRF37□	YDA 63M4□
	2.4□	590□	542□	12000□	1.40□	TKAF□	67 / TRF37□	YDA 63M4□
	2.8□	540□	471□	12200□	1.50□			
	3.1□	455□	420□	12600□	1.80□			
	3.6□	410□	361□	12800□	2.0□			
	4.1□	360□	323□	12900□	2.3□			
	4.7□	305□	279□	13000□	2.7□			
	2.4□	590□	544□	7690□	1.00□	TK□	57 / TRF37□	YDA 63M4□
	2.8□	535□	473□	8150□	1.10□	TKF□	57 / TRF37□	YDA 63M4□
	3.1□	460□	421□	8620□	1.30□	TKA□	57 / TRF37□	YDA 63M4□
	3.6□	410□	362□	8840□	1.45□	TKAF□	57 / TRF37□	YDA 63M4□
	4.1□	360□	319□	9050□	1.65□			
	4.7□	305□	280□	9270□	1.95□			
	5.4□	270□	246□	9400□	2.2□			
	6.1□	235□	215□	9510□	2.5□			
	6.9□	210□	192□	9600□	2.9□			
	7.9□	182□	166□	9690□	3.3□			
	3.5□	410□	375□	5600□	1.00□	TK□	47 / TRF37□	YDA 63M4□
	4.0□	370□	327□	6320□	1.10□	TKF□	47 / TRF37□	YDA 63M4□
	4.6□	325□	289□	6810□	1.20□	TKA□	47 / TRF37□	YDA 63M4□
	5.2□	280□	256□	7240□	1.45□	TKAF□	47 / TRF37□	YDA 63M4□
	5.9□	250□	225□	7450□	1.60□			
	6.7□	215□	198□	7680□	1.85□			
	7.7□	188□	171□	7840□	2.1□			
	8.6□	168□	153□	7930□	2.4□			
	10□	147□	131□	8020□	2.7□			
	6.4□	235□	205□	4860□	0.85□	TK□	37 / TRF17□	YDA 63M4□
	7.3□	205□	181□	5590□	1.00□	TKF□	37 / TRF17□	YDA 63M4□
	8.2□	180□	160□	5860□	1.10□	TKA□	37 / TRF17□	YDA 63M4□
	9.7□	151□	136□	6110□	1.35□	TKAF□	37 / TRF17□	YDA 63M4□
	10□	145□	127□	6160□	1.40□			
	6.0□	285□	144.79*□	13000□	2.9□	TK□	67□	YDA 63L6□
	7.0□	245□	123.54□	13000□	3.4□	TKF□	67□	YDA 63L6□
	8.1□	215□	108.03□	13000□	3.8□	TKA□	67□	YDA 63L6□
	8.5□	205□	102.62□	13000□	4.0□	TKAF□	67□	YDA 63L6□
	9.1□	189□	144.79*□	13000□	4.4□	TK□	67□	YDA 63M4□
	11□	161□	123.54□	13000□	5.1□	TKF□	67□	YDA 63M4□
	12□	141□	108.03□	13000□	5.8□	TKA□	67□	YDA 63M4□
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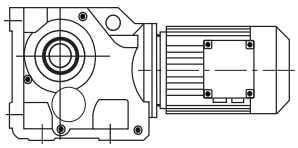
	6.0□	285□	145.14*□	9340□	2.1□	TK□	57□	YDA 63L6□
	7.0□	245□	123.85□	9480□	2.5□	TKF□	57□	YDA 63L6□
	8.0□	215□	108.29□	9590□	2.8□	TKA□	57□	YDA 63L6□
	8.5□	205□	102.88*□	9620□	3.0□	TKAF□	57□	YDA 63L6□
	9.6□	178□	90.26*□	9700□	3.4□			
	9.1□	189□	145.14*□	9670□	3.2□	TK□	57□	YDA 63M4□
	11□	161□	123.85□	9750□	3.7□	TKF□	57□	YDA 63M4□
	12□	141□	108.29□	9810□	4.3□	TKA□	57□	YDA 63M4□
	13□	134□	102.88*□	9830□	4.5□	TKAF□	57□	YDA 63M4□
	15□	118□	90.26*□	9880□	5.1□			
	17□	100□	76.56*□	9920□	6.0□			
	6.6□	260□	131.87*□	7380□	1.55□	TK□	47□	YDA 63L6□
	7.2□	240□	121.48*□	7530□	1.65□	TKF□	47□	YDA 63L6□
	8.3□	205□	104.37□	7740□	1.95□	TKA	47	YDA 63L6
	9.6	180	90.86	7880	2.2	TKAF	47	YDA 63L6



PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	11□	158□	121.48*□	7970□	2.5□	TKF□	47□	YDA 63M4□
	13□	136□	104.37□	8060□	2.9□	TKA□	47□	YDA 63M4□
	15□	118□	90.86□	8120□	3.4□	TKAF□	47□	YDA 63M4□
	16□	111□	85.12*□	8140□	3.6□			
	8.2□	210□	106.38□	5520□	0.95□	TK□	37□	YDA 63L6□
	8.9□	193□	97.81□	5710□	1.05□	TKF□	37□	YDA 63L6□
	10□	165□	83.69□	5990□	1.20□	TKA□	37□	YDA 63L6□
	12□	143□	72.54□	6170□	1.40□	TKAF□	37□	YDA 63L6□
	12□	139□	106.38□	6210□	1.45□	TK□	37□	YDA 63M4□
	14□	127□	97.81□	6280□	1.55□	TKF□	37□	YDA 63M4□
	16□	109□	83.69□	6400□	1.85□	TKA□	37□	YDA 63M4□
	18□	95□	72.54□	6470□	2.1□	TKAF□	37□	YDA 63M4□
	19□	88□	67.80□	6500□	2.3□			
	23□	76□	58.60□	6280□	2.6□			
	27□	65□	49.79□	6010□	3.1□			
	30□	58□	44.46□	5830□	3.5□			
	35□	49□	37.97□	5580□	4.1□			
	37□	46□	35.57□	5480□	4.3□			
	44□	39□	29.96□	5220□	5.1□			
	46□	38□	28.83□	5160□	5.3□			
	53□	33□	24.99□	4950□	6.2□			
	57□	30□	23.36□	4850□	6.4□			
	65□	26□	20.19□	4650□	7.0□			
	77□	22□	17.15□	4430□	8.1□			
	86□	20□	15.31□	4280□	8.8□			
	101□	17□	13.08□	4080□	9.7□			
	109□	16□	12.14□	3980□	10□			
	126□	14□	10.49□	3810□	12□			
	148□	12□	8.91□	3620□	14□			
	166□	10□	7.96□	3490□	15□			
0.25□	0.13□	15200□	9819□	75600□	0.85□	TK□	127 / TRF77□	YDA 63L4□
	0.15□	13000□	8443□	79200□	1.00□	TKF□	127 / TRF77□	YDA 63L4□
	0.17□	11600□	7482□	79900□	1.10□	TKA□	127 / TRF77□	YDA 63L4□
	0.20□	10200□	6565□	80600□	1.30□	TKAF□	127 / TRF77□	YDA 63L4□
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	0.29□	6670□	4423□	81900□	1.95□			
	0.33□	5830□	3889□	82100□	2.2□			
	0.39□	4880□	3311□	82300□	2.7□			
	0.21□	9460□	6184□	65000□	0.85□	TK□	107 / TRF77□	YDA 63L4□
	0.23□	8480□	5662□	65000□	0.95□	TKF□	107 / TRF77□	YDA 63L4□
	0.25□	7700□	5138□	65000□	1.05□	TKA□	107 / TRF77□	YDA 63L4□
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	0.50□	3980□	2599□	65000□	2.0□			
	0.57□	3450□	2286□	65000□	2.3□			
	0.67□	2920□	1939□	65000□	2.7□			
	0.76□	2680□	1713□	65000□	3.0□	TK□	107 / TRF77□	YDA 63L4□
	0.84□	2430□	1554□	65000□	3.3□	TKF□	107 / TRF77□	YDA 63L4□
	0.97□	2090□	1336□	65000□	3.8□	TKA□	107 / TRF77□	YDA 63L4□
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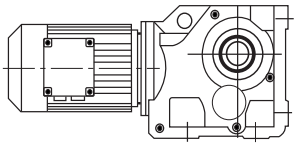
PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	0.47□	4360□	2757□	40000□	1.00□	TKF□	97 / TRF57□	YDA 63L4□
						TKA□	97 / TFR57□	YDA 63L4□
						TKAF □	97 / TRF57□	YDA 63L4□
	0.54□	3930□	2419□	40000□	1.10□	TK□	97 / TRF57□	YDA 63L4□
	0.61□	3420□	2123□	40000□	1.25□	TKF□	97 / TRF57□	YDA 63L4□
	0.70□	3020□	1856□	40000□	1.40□	TKA□	97 / TRF57□	YDA 63L4□
	0.80□	2580□	1625□	40000□	1.65□	TKAF □	97 / TRF57□	YDA 63L4□
	0.91□	2240□	1430□	40000□	1.90□			
	1.0□	2050□	1261□	40000□	2.1□			
	1.2□	1790□	1102□	40000□	2.4□			
	1.4□	1570□	957□	40000□	2.7□			
	1.5□	1400□	855□	40000□	3.1□			
	0.62□	3390□	2088□	26300□	0.80□	TK□	87 / TRF57□	YDA 63L4□
	0.70□	3010□	1854□	26900□	0.90□	TKF□	87 / TRF57□	YDA 63L4□
	0.78□	2700□	1657□	27300□	1.00□	TKA□	87 / TRF57□	YDA 63L4□
	0.92□	2300□	1415□	27800□	1.15□	TKAF□	87 / TRF57□	YDA 63L4□
	1.1□	2000□	1229□	28100□	1.35□			
	1.2□	1740□	1078□	28300□	1.55□			
	1.4□	1510□	951□	28500□	1.80□			
	1.6□	1310□	837□	28600□	2.1□			
	1.8□	1140□	726□	28700□	2.4□			
	2.0□	1010□	638□	28800□	2.7□			
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	1.4□	1520□	924□	15600□	1.00□	TKF□	77 / TRF37□	YDA 63L4□
	1.6□	1340□	815□	16700□	1.15□	TKA□	77 / TRF37□	YDA 63L4□
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	5.2□	400□	252□	19900□	3.9□			
	5.9□	355□	221□	19900□	4.4□			
	6.7□	310□	195□	20000□	5.0□			
	7.5□	275□	175□	20000□	5.7□			
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	3.6□	590□	361□	11900□	1.40□			
	4.0□	525□	323□	12300□	1.55□			
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	5.3□	390□	246□	12800□	2.1□			
	6.0□	345□	217□	13000□	2.4□			
	3.1□	670□	421□	4200□	0.90□	TK□	57 I TRF37□	YDA 63L4□
	3.6□	590□	362□	7690□	1.00□	TKF□	57 / TRF37□	YDA 63L4□
	4.1□	520□	319□	8260□	1.15□	TKA□	57 / TRF37□	YDA 63L4□
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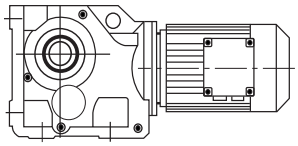
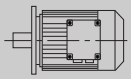


PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	12□	178□	111□	9700□	3.4□	TKA□	57 / TRF37□	YDA 63L4□
	13□	156□	97□	9770□	3.8□	TKAF□	57 / TRF37□	YDA 63L4□
	4.4□	540□	154.02□	19600□	2.9□	TK□	77□	YDA 80N8□
	5.0□	475□	135.28□	19700□	3.3□	TKF□	77□	YDA 80N8□
	5.3□	450□	128.52□	19800□	3.4□	TKA□	77□	YDA 80N8□
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	4.6□	520□	192.18□	19700□	2.8□	TK□	77□	YDA 71D6□
	4.9□	485□	179.37□	19700□	3.0□	TKF□	77□	YDA 71D6□
	5.7□	420□	154.02□	19800□	3.7□	TKA□	77□	YDA 71D6□
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	5.5□	435□	123.54□	12700□	1.90□	TK□	67□	YDA 80N8□
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	9.0□	265□	144.79*□	13000□	3.1□	TK□	67□	YDA 63L4□
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	12□	198□	108.03□	13000□	4.1□	TKA□	67□	YDA 63L4□
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	6.1□	395□	145.14*□	8910□	1.50□	TK□	57□	YDA 71D6□
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	8.6□	280□	102.88*□	9360□	2.2□	TKAF □	57□	YDA 71D6□
	9.8□	245□	90.26*□	9480□	2.5□			
	11□	210□	76.56*□	9610□	2.9□			
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	12□	199□	108.29□	9640□	3.0□	TKA□	57□	YDA 63L4□
	13□	189□	102.88*□	9670□	3.2□	TKAF □	57□	YDA 63L4□
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	17□	141□	76.56*□	9810□	4.3□			
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	8.4□	285□	104.37□	7210□	1.40□	TKA□	47□	YDA 71D6□
	9.7□	245□	90.86□	7480□	1.60□	TKAF □	47□	YDA 71D6□
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	9.9□	240□	131.87*□	7510□	1.65□	TK□	47□	YDA 63L4□
	11□	225□	121.48*□	7640□	1.80□	TKF□	47□	YDA 63L4□
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	15□	156□	85.12*□	7980□	2.6□			
	11□	225□	83.69□	5300□	0.90□	TK□	37□	YDA 71D6□
	12□	197□	72.54□	5680□	1.00□	TKF□	37□	YDA 71D6□
	13□	184□	67.80□	5810□	1.10□	TKA□	37□	YDA 71D6□
	15□	159□	58.60□	6050□	1.25□	TKAF□	37□	YDA 71D6□
	18□	135□	49.79□	6230□	1.50□			
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	16□	154□	83.69□	6090□	1.30□	TKA□	37□	YDA 63L4□
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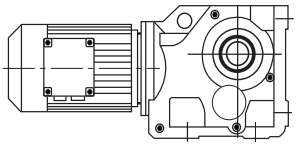
PERFORMANCE PARAMETER



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	76□	32□	17.15□	4370□	5.7□			
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	99□	24□	13.08□	4030□	6.9□			
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	124□	19□	10.49□	3780□	8.3□			
	146□	16□	8.91□	3590□	9.8□			
	163□	15□	7.96□	3470□	11□			
	191□	13□	6.80□	3310□	12□			
	204□	12□	6.37□	3240□	12□			
0.37□	0.18□	16600□	7482□	72700□	0.80□	TK□	127 / TRF77□	YDA 71D4□
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	0.24□	12600□	5804□	79400□	1.05□	TKA□	127 / TRF77□	YDA 71D4□
	0.27□	11000□	5027□	80200□	1.20□	TKAF □	127 / TRF77□	YDA 71D4□
	0.31□	9610□	4423□	80800□	1.35□			
	0.35□	8420□	3889□	81300□	1.55□			
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						TKAF □	127 / TRF77□	YDA 71D4□
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	1.2□	2540□	1102□	40000□	1.70□			
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	2.1□	1450□	652□	40000□	3.0□			
	2.4□	1310□	573□	40000□	3.3□			
	0.97□	3250□	1415□	26500□	0.85□	TK□	87 / TRF57□	YDA 71D4□
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	1.3□	2470□	1078□	27600□	1.10□	TKA□	87 / TRF57□	YDA 71D4□
	1.4□	2150□	951□	27900□	1.25	TKAF	87 / TRF57	YDA 71D4
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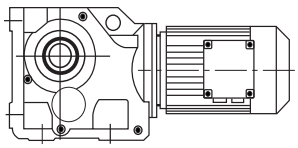
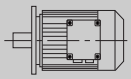


PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	2.5□	1260□	562□	28600□	2.2□	TKA□	87 / TRF57□	YDA 71D4□
	2.9□	1060□	474□	28800□	2.6□	TKAF□	87 / TRF57□	YDA 71D4□
	3.2□	950□	426□	28800□	2.8□			
	3.7□	830□	373□	28900□	3.2□			
	1.7□	1890□	815□	7450□	0.80□	TK□	77 / TRF37□	YDA 71D4□
	1.9□	1590□	709□	15100□	0.95□	TKF□	77 / TRF37□	YDA 71D4□
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	3.3□	950□	420□	8130□	0.85□	TK□	67 / TRF37□	YDA 71D4□
	3.8□	840□	361□	10200□	1.00□	TKF□	67 / TRF37□	YDA 71D4□
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	5.0□	630□	279□	11700□	1.30□	TKAF□	67 / TRF37□	YDA 71D4□
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	8.3□	375□	166□	12900□	2.2□			
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	11□	280□	122□	13000□	2.9□			
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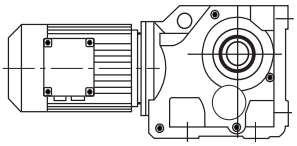
	4.6□	765□	147.32*□	28900□	3.5□	TKA□	87□	YDA 90S8□
						TKAF□	87□	YDA 90S8□
	4.6□	775□	197.37□	28900□	3.5□	TK□	87□	YDA 80K6□
	5.2□	685□	174.19□	28900□	4.0□	TKF□	87□	YDA 80K6□
						TKA□	87□	YDA 80K6□
						TKAF□	87□	YDA 80K6□
	5.0□	705□	135.28□	19300□	2.2□	TK□	77□	YDA 90S8□
	5.3□	670□	128.52□	19300□	2.3□	TKF□	77□	YDA 90S8□
	6.0□	590□	113.56□	19500□	2.6□	TKA□	77□	YDA 90S8□
	7.0□	505□	97.05□	19700□	3.1□	TKAF□	77□	YDA 90S8□
	5.8□	605□	154.02□	19500□	2.6□	TK□	77□	YDA 80K6□
	6.7□	530□	135.28□	19600□	2.9□	TKF□	77□	YDA 80K6□
	7.0□	505□	128.52□	19700□	3.1□	TKA□	77	YDA 80K6□
	7.9	445	113.56□	19800	3.5	TKAF	77	YDA 80K6

PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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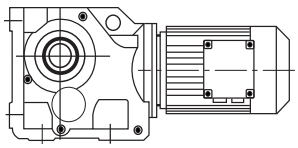
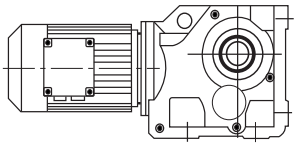
	7.7□	460□	179.37□	19800□	3.2□	TKF□	77□	YDA 71D4□
	9.0□	395□	154.02□	19900□	3.9□	TKA□	77□	YDA 71D4□
						TKAF □	77□	YDA 71D4□
	6.3□	560□	108.03□	12100□	1.45□	TK□	67□	YDA 90S8□
	6.6□	535□	102.62□	12300□	1.55□	TKF□	67□	YDA 90S8□
	7.5□	470□	90.04□	12600□	1.75□	TKA□	67□	YDA 90S8□
						TKAF □	67□	YDA 90S8□
	7.3□	485□	123.54□	12500□	1.70□	TK□	67□	YDA 80K6□
	8.3□	425□	108.03□	12700□	1.95□	TKF□	67□	YDA 80K6□
	8.8□	405□	102.62□	12800□	2.0□	TKA□	67□	YDA 80K6□
	10□	355□	90.04□	13000□	2.3□	TKAF □	67□	YDA 80K6□
	9.5□	370□	144.79*□	12900□	2.2□	TK□	67□	YDA 71D4□
	11□	315□	123.54□	13000□	2.6□	TKF□	67□	YDA 71D4□
	13□	275□	108.03□	13000□	3.0□	TKA□	67□	YDA 71D4□
	15□	230□	90.04□	13000□	3.6□	TKAF □	67□	YDA 71D4□
	18□	196□	76.37□	13000□	4.2□			
	7.3□	485□	123.85□	8490□	1.25□	TK□	57□	YDA 80K6□
	8.3□	425□	108.29□	8770□	1.40□	TKF□	57□	YDA 80K6□
	8.8□	405□	102.88*□	8870□	1.50□	TKA□	57□	YDA 80K6□
	10□	355□	90.26*□	9070□	1.70□	TKAF □	57□	YDA 80K6□
	12□	300□	76.56*□	9280□	2.0□			
	13□	270□	69.12□	9390□	2.2□			
	9.5□	370□	145.14*□	9000□	1.60□	TK□	57□	YDA 71D4□
	11□	315□	123.85□	9220□	1.90□	TKF□	57□	YDA 71D4□
	13□	275□	108.29□	9370□	2.2□	TKA□	57□	YDA 71D4□
	13□	265□	102.88*□	9420□	2.3□	TKAF □	57□	YDA 71D4□
	15□	230□	90.26*□	9530□	2.6□			
	18□	196□	76.56*□	9650□	3.1□			
	20□	177□	69.12□	9700□	3.4□			
	8.6□	410□	104.37□	5490□	1.00□	TK□	47□	YDA 80K6□
	9.9□	355□	90.86□	6480□	1.10□	TKF□	47□	YDA 80K6□
	11□	335□	85.12*□	6730□	1.20□	TKA□	47□	YDA 80K6□
	12□	295□	75.20*□	7100□	1.35□	TKAF □	47□	YDA 80K6□
	10□	340□	131.87*□	6690□	1.20□	TK□	47□	YDA 71D4□
	11□	310□	121.48*□	6960□	1.30□	TKF□	47□	YDA 71D4□
	13□	265□	104.37□	7330□	1.50□	TKA□	47□	YDA 71D4□
						TKAF □	47□	YDA 71D4□
	15□	235□	90.86□	7580□	1.70□	TK□	47□	YDA 71D4□
	16□	220□	85.12*□	7670□	1.85□	TKF□	47□	YDA 71D4□
	18□	193□	75.20*□	7810□	2.1□	TKA□	47□	YDA 71D4□
	20□	179□	69.84□	7880□	2.2□	TKAF □	47□	YDA 71D4□
	22□	162□	63.30*□	7960□	2.5□			
	14□	250□	97.81□	2520□	0.80□	TK□	37□	YDA 71D4□
	16□	215□	83.69□	5470□	0.95□	TKF□	37□	YDA 71D4□
	19□	186□	72.54□	5690□	1.10□	TKA□	37□	YDA 71D4□
	20□	174□	67.80□	5630□	1.15□	TKAF □	37□	YDA 71D4□
	24□	150□	58.60□	5510□	1.35□			
	28□	128□	49.79□	5350□	1.55□			
	31□	114□	44.46□	5230□	1.75□			
	36□	97□	37.97□	5060□	2.1□			
	39□	91□	35.57□	4990□	2.2□			
	46□	77□	29.96□	4800□	2.6□			
	48□	74□	28.83□	4750□	2.7□			
	55□	64□	24.99□	4590	3.1□			
	59	60	23.36	4510	3.3			



PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
0.37□	68□	52□	20.19□	4350□	3.6□	TK□	37□	YDA 71D4□
	80□	44□	17.15□	4160□	4.1□	TKF□	37□	YDA 71D4□
	90□	39□	15.31□	4040□	4.5□	TKA□	37□	YDA 71D4□
	105□	34□	13.08□	3860□	4.9□	TKAF□	37□	YDA 71D4□
	114□	31□	12.14□	3780□	5.1□			
	132□	27□	10.49□	3630□	6.0□			
	155□	23□	8.91□	3460□	7.0□			
	173□	20□	7.96□	3350□	7.6□			
	203□	17□	6.80□	3190□	8.6□			
	217□	16□	6.37□	3130□	8.9□			
	257□	14□	5.36□	2970□	10□			
0.55□	0.08□	55000□	16978□	190000□	0.90□	TK□	187 / TRF97□	YDA 80K4□
	0.10□	46200□	14272□	190000□	1.10□	TKH□	187 / TRF97□	YDA 80K4□
	0.10□	42000□	13116□	190000□	1.20□			
	0.12□	36700□	11647□	190000□	1.35□			
	0.19□	23800□	7343□	190000□	2.1□			
	0.12□	37500□	11573□	150000□	0.85□	TK□	167 / TRF97□	YDA 80K4□
	0.13□	33300□	10264□	150000□	0.95□	TKH□	167 / TRF97□	YDA 80K4□
	0.16□	27900□	8628□	150000□	1.15□			
	0.21□	21200□	6562□	150000□	1.50□			
	0.25□	16900□	5355□	150000□	1.90□			
	0.33□	13100□	4079□	150000□	2.5□			
	0.20□	22300□	6881□	109700□	0.80□	TK□	157 / TRF97□	YDA 80K4□
	0.23□	19200□	5931□	111600□	0.95□	TKF□	157 / TRF97□	YDA 80K4□
	0.34□	12900□	3979□	114400□	1.40□	TKA□	157 / TRF97□	YDA 80K4□
	0.45□	9880□	3051□	115300□	1.80□	TKAF □	157 / TRF97□	YDA 80K4□
	0.31□	14900□	4423□	76100□	0.85□	TK□	127 / TRF77□	YDA 80K4□
	0.35□	13100□	3889□	79100□	1.00□	TKF□	127 / TRF77□	YDA 80K4□
	0.41□	11100□	3311□	80200□	1.20□	TKA□	127 / TRF77□	YDA 80K4□
	0.45□	10000□	3009□	80700□	1.30□	TKAF □	127 / TRF77□	YDA 80K4□
	0.52□	8590□	2607□	81200□	1.50□			
	0.71□	6620□	1926□	81900□	1.95□	TK□	127 / TRF77□	YDA 80K4□
	0.77□	6040□	1757□	82100□	2.2□	TKF□	127 / TRF77□	YDA 80K4□
	0.88□	5270□	1541□	82200□	2.5□	TKA□	127 / TRF77□	YDA 80K4□
	1.0□	4610□	1342□	82400□	2.8□	TKAF □	127 / TRF77□	YDA 80K4□
	1.2□	4020□	1177□	82500□	3.2□			
	1.3□	3520□	1025□	82600□	3.7□			
	0.46□	10100□	2977□	65000□	0.80□	TK□	107 / TRF77□	YDA 80K4□
	0.52□	8830□	2599□	65000□	0.90□	TKF□	107 / TRF77□	YDA 80K4□
	0.59□	7720□	2286□	65000□	1.05□	TKA□	107 / TRF77□	YDA 80K4□
	0.70□	6540□	1939□	65000□	1.20□	TKAF □	107 / TRF77□	YDA 80K4□
	0.79□	5920□	1713□	65000□	1.35□	TK□	107 / TRF77□	YDA 80K4□
	0.87□	5370□	1554□	65000□	1.50□	TKF□	107 / TRF77□	YDA 80K4□
	1.0□	4610□	1336□	65000□	1.75□	TKA□	107 / TRF77□	YDA 80K4□
	1.2□	4030□	1166□	65000□	2.0□	TKAF □	107 / TRF77□	YDA 80K4□
	1.3□	3460□	1030□	65000□	2.3□			
	1.5□	3010□	904□	65000□	2.7□			
	1.7□	2730□	793□	65000□	2.9□			
	1.9□	2380□	696□	65000□	3.4□			
	2.2□	2050□	615□	65000□	3.9□			
	0.95□	4940□	1430□	40000□	0.85□	TK□	97 / TRF57□	YDA 80K4□
	1.1□	4440□	1261□	40000□	0.95□	TKF□	97 / TRF57□	YDA 80K4□
	1.2□	3870□	1102□	40000□	1.10□	TKA□	97 / TRF57□	YDA 80K4□
	1.4□	3400□	957□	40000□	1.25□	TKAF□	97 / TRF57□	YDA 80K4
	1.6	3040	855	40000	1.40□			
	1.8	2550	743	40000	1.70			

PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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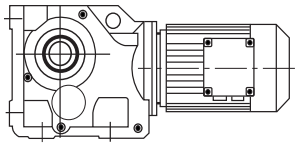
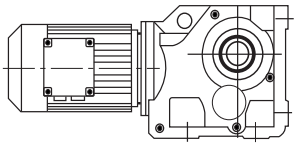
	2.4□	2020□	573□	40000□	2.1□	TKF□	97 / TRF57□	YDA 80K4□
	2.7□	1720□	504□	40000□	2.5□	TKA□	97 / TRF57□	YDA 80K4□
	3.1□	1480□	437□	40000□	2.9□	TKAF□	97 / TRF57□	YDA 80K4□
	3.6□	1320□	382□	40000□	3.3□			
	4.5□	1070□	305□	40000□	4.0□			
	1.4□	3300□	951□	26400□	0.80□	TK□	87 / TRF57□	YDA 80K4□
	1.6□	2890□	837□	27000□	0.95□	TKF□	87 / TRF57□	YDA 80K4□
	1.9□	2510□	726□	27500□	1.10□	TKA□	87 / TRF57□	YDA 80K4□
	2.1□	2220□	638□	27800□	1.20□	TKAF□	87 / TRF57□	YDA 80K4□
	2.4□	1940□	562□	28100□	1.40□			
	2.9□	1640□	474□	28400□	1.65□			
	3.2□	1470□	426□	28500□	1.85□			
	3.6□	1290□	373□	28600□	2.1□			
	4.1□	1130□	330□	28700□	2.4□			
	4.6□	1010□	294□	28800□	2.7□			
	5.4□	870□	250□	28800□	3.1□			
	5.8□	820□	236□	28900□	3.3□			
	6.8□	695□	201□	28900□	3.9□			
	2.8□	1690□	485□	14300□	0.90□	TK□	77 / TRF37□	YDA 80K4□
	3.2□	1490□	428□	15800□	1.05□	TKF□	77 / TRF37□	YDA 80K4□
	3.7□	1290□	367□	17000□	1.20□	TKA□	77 / TRF37□	YDA 80K4□
	4.2□	1150□	328□	17700□	1.35□	TKAF□	77 / TRF37□	YDA 80K4□
	4.7□	1020□	290□	18200□	1.50□			
	5.4□	880□	252□	18700□	1.75□			
	6.2□	770□	221□	19100□	2.0□			
	7.0□	680□	195□	19300□	2.3□			
	7.8□	605□	175□	19500□	2.6□			
	8.8□	535□	154□	19600□	2.9□			
	4.9□	970□	279□	6400□	0.85□	TK□	67 / TRF37□	YDA 80K4□
	5.5□	850□	246□	9990□	0.95□	TKF□	67 / TRF37□	YDA 80K4□
	6.2□	760□	217□	10800□	1.10□	TKA□	67 / TRF37□	YDA 80K4□
	7.1□	670□	191□	11500□	1.25□	TKAF□	67 / TRF37□	YDA 80K4□
	8.2□	575□	166□	12000□	1.40□			
	9.4□	505□	144□	12400□	1.60□			
	11□	430□	122□	12700□	1.90□			
	7.1□	670□	192□	4080□	0.90□	TK□	57 / TRF37□	YDA 80K4□
	8.2□	580□	166□	7800□	1.05□	TKF□	57 / TRF37□	YDA 80K4□
	9.4□	510□	145□	8360□	1.20□	TKA□	57 / TRF37□	YDA 80K4□
	11□	455□	129□	8630□	1.30□	TKAF□	57 / TRF37□	YDA 80K4□
	12□	390□	111□	8930□	1.55□			
	14□	340□	97□	9120□	1.75□			
	3.9□	1350□	174.19□	28600□	2.0□	TK□	87□	YDA 90L8□
	4.1□	1270□	164.34*□	28600□	2.1□	TKF□	87□	YDA 90L8□
	4.6□	1140□	147.32*□	28700□	2.4□	TKA□	87□	YDA 90L8□
						TKAF□	87□	YDA 90L8□
	4.6□	1150□	197.37□	28700□	2.3□	TK□	87□	YDA 80N6□
	5.2□	1020□	174.19□	28800□	2.7□	TKF□	87□	YDA 80N6□
	5.5□	960□	164.34*□	28800□	2.8□	TKA□	87□	YDA 80N6□
	6.1□	860□	147.32*□	28900□	3.1□	TKAF□	87□	YDA 80N6□
	5.0□	1040□	135.28□	18100□	1.50□	TK□	77□	YDA 90L8□
	5.3□	990□	128.52□	18300□	1.55□	TKF□	77□	YDA 90L8□
	6.0□	880□	113.56□	18700□	1.75□	TKA□	77	YDA 90L8
	7.0	750	97.05	19100	2.1□	TKAF	77	YDA 90L8



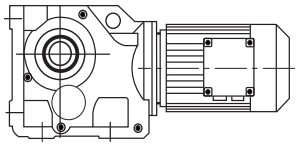
PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
0.55□	5.8□	900□	154.02□	18700□	1.70□	TK□	77□	YDA 80N6□
	6.7□	790□	135.28□	19000□	1.95□	TKF□	77□	YDA 80N6□
	7.0□	750□	128.52□	19100□	2.1□	TKA□	77□	YDA 80N6□
	7.9□	665□	113.56□	19400□	2.3□	TKAF□	77□	YDA 80N6□
	8.8□	595□	154.02□	19500□	2.6□	TK□	77□	YDA 80K4□
	10□	520□	135.28□	19700□	3.0□	TKF□	77□	YDA 80K4□
	11□	495□	128.52□	19700□	3.1□	TKA□	77□	YDA 80K4□
	12□	440□	113.56□	19800□	3.5□	TKAF□	77□	YDA 80K4□
	14□	375□	97.05□	19900□	4.1□			
	7.3□	720□	123.54□	11100□	1.15□	TK□	67□	YDA 80N6□
	8.3□	630□	108.03□	11700□	1.30□	TKF□	67□	YDA 80N6□
	8.8□	600□	102.62□	11900□	1.35□	TKA□	67□	YDA 80N6□
	10□	525□	90.04□	12300□	1.55□	TKAF□	67□	YDA 80N6□
	12□	445□	76.37□	12600□	1.85□			
	11□	475□	123.54□	12500□	1.70□	TK□	67□	YDA 80K4□
	13□	415□	108.03□	12800□	1.95□	TKF□	67□	YDA 80K4□
	15□	350□	90.04□	13000□	2.4□	TKA□	67□	YDA 80K4□
	18□	295□	76.37□	13000□	2.8□	TKAF□	67□	YDA 80K4□
	8.3□	630□	108.29□	7360□	0.95□	TK□	57□	YDA 80N6□
	8.8□	600□	102.88*□	7630□	1.00□	TKF□	57□	YDA 80N6□
	10□	525□	90.26"□	8220□	1.15□	TKA□	57□	YDA 80N6□
	12□	445□	76.56*□	8670□	1.35□	TKAF□	57□	YDA 80N6□
	13□	405□	69.12□	8870□	1.50□			
	15□	355□	60.81*□	9070□	1.70□			
	16□	335□	57.42*□	9150□	1.80□			
	11□	480□	123.85□	8520□	1.25□	TK□	57□	YDA 80K4□
	13□	420□	108.29□	8800□	1.45□	TKF□	57□	YDA 80K4□
	13□	395□	102.88*□	8890□	1.50□	TKA□	57□	YDA 80K4□
	15□	350□	90.26*□	9100□	1.70□	TKAF□	57□	YDA 80K4□
	18□	295□	76.56*□	9300□	2.0□			
	20□	265□	69.12□	9410□	2.3□			
	22□	235□	60.81*□	9520□	2.6□			
	24□	220□	57.42*□	9560□	2.7□			
	13□	405□	104.37□	5880□	1.00□	TK□	47□	YDA 80K4□
	15□	350□	90.86□	6550□	1.15□	TKF□	47□	YDA 80K4□
	16□	330□	85.12*□	6790□	1.20□	TKA□	47□	YDA 80K4□
	18□	290□	75.20*□	7150□	1.40□	TKAF□	47□	YDA 80K4□
	19□	270□	69.84□	7310□	1.50□			
	21□	245□	63.30*□	7500□	1.65□	TK□	47□	YDA 80K4□
	24□	220□	56.83□	7660□	1.80□	TKF□	47□	YDA 80K4□
	28□	189□	48.95*□	7830□	2.1□	TKA□	47□	YDA 80K4□
	30□	178□	46.03*□	7880□	2.3□	TKAF□	47□	YDA 80K4□
	23□	225□	58.60□	4850□	0.90□	TK□	37□	YDA 80K4□
	27□	192□	49.79□	4790□	1.05□	TKF□	37□	YDA 80K4□
	31□	172□	44.46□	4740□	1.15□	TKA□	37□	YDA 80K4□
	36□	147□	37.97□	4640□	1.35□	TKAF□	37□	YDA 80K4□
	38□	137□	35.57□	4600□	1.45□			
	45□	116□	29.96□	4470□	1.75□			
	47□	111□	28.83□	4440□	1.80□			
	54□	97□	24.99□	4320□	2.1□			
	58□	90□	23.36□	4260□	2.2□			
	67□	78□	20.19□	4130□	2.4□			
	79□	66□	17.15□	3980□	2.7□			
	89□	59□	15.31□	3880□	3.0□			
	104□	51□	13.08	3730	3.3□			
	112□	47□	12.14	3660	3.4			

PERFORMANCE PARAMETER



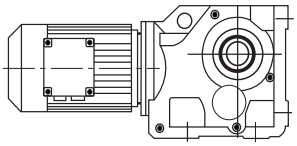
P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
0.55	130	41	10.49	3520	4.0	TK	37	YDA 80K4
	153	34	8.91	3370	4.7	TKF	37	YDA 80K4
	171	31	7.96	3270	5.1	TKA	37	YDA 80K4
	200	26	6.80	3130	5.7	TKAF	37	YDA 80K4
	214	25	6.37	3070	5.9			
	254	21	5.36	2920	6.8			
	342	15	3.98	2680	8.1			
0.75	0.11	58000	13116	190000	0.85	TK	187 / TRF97	YDA 80N4
	0.12	50900	11647	190000	1.00	TKH	187 / TRF97	YDA 80N4
	0.19	32700	7343	190000	1.55			
	0.20	29900	6747	190000	1.65			
	0.23	26200	5991	190000	1.90			
	0.16	38500	8628	150000	0.85	TK	167 / TRF97	YDA 80N4
	0.21	29300	6562	150000	1.10	TKH	167 / TRF97	YDA 80N4
	0.26	23400	5355	150000	1.35			
	0.34	18100	4079	150000	1.75			
	0.41	15100	3376	150000	2.1			
	0.35	17700	3979	112300	1.00	TK	157 / TRF97	YDA 80N4
	0.45	13600	3051	114100	1.30	TKF	157 / TRF97	YDA 80N4
						TKA	157 / TRF97	YDA 80N4
						TKAF	157 / TRF97	YDA 80N4
	0.83	7490	1659	115900	2.4	TK	157 / TRF97	YDA 80N4
	1.0	6040	1365	116200	3.0	TKF	157 / TRF97	YDA 80N4
						TKA	157 / TRF97	YDA 80N4
						TKAF	157 / TRF97	YDA 80N4
	0.42	15100	3311	75700	0.85	TK	127 / TRF77	YDA 80N4
	0.46	13700	3009	78600	0.95	TKF	127 / TRF77	YDA 80N4
	0.53	11800	2607	79800	1.10	TKA	127 / TRF77	YDA 80N4
						TKAF	127 / TRF77	YDA 80N4
	0.72	9010	1926	81100	1.45	TK	127 / TRF77	YDA 80N4
	0.79	8220	1757	81400	1.60	TKF	127 / TRF77	YDA 80N4
	0.90	7180	1541	81700	1.80	TKA	127 / TRF77	YDA 80N4
	1.0	6280	1342	82000	2.1	TKAF	127 / TRF77	YDA 80N4
	1.2	5480	1177	82200	2.4			
	1.4	4790	1025	82300	2.7			
	1.5	4190	899	82500	3.1			
	0.81	8040	1713	65000	1.00	TK	107 / TRF77	YDA 80N4
	0.89	7300	1554	65000	1.10	TKF	107 / TRF77	YDA 80N4
	1.0	6270	1336	65000	1.30	TKA	107 / TRF77	YDA 80N4
	1.2	5470	1166	65000	1.45	TKAF	107 / TRF77	YDA 80N4
	1.3	4740	1030	65000	1.70			
	1.5	4130	904	65000	1.95			
	1.7	3710	793	65000	2.2			
	2.0	3240	696	65000	2.5			
	2.2	2810	615	65000	2.8			
	1.2	5240	1102	39600	0.80	TK	97 / TRF57	YDA 80N4
	1.4	4600	957	40000	0.95	TKF	97 / TRF57	YDA 80N4
	1.6	4110	855	40000	1.05	TKA	97 / TRF57	YDA 80N4
	1.9	3470	743	40000	1.25	TKAF	97 / TRF57	YDA 80N4
	2.1	3050	652	40000	1.40			
	2.4	2740	573	40000	1.55			
	2.7	2350	504	40000	1.85			
	3.2	2020	437	40000	2.1			
	3.6	1790	382	40000	2.4			



PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs		
0.75□	4.5□	1450□	305□	40000□	3.0□	TK□ 97 / TRF57□	YDA 80N4□
	5.4□	1220□	258□	40000□	3.5□	TKF□ 97 / TRF57□	YDA 80N4□
	6.0□	1100□	232□	40000□	3.9□	TKA□ 97 / TRF57□	YDA 80N4□
	6.9□	940□	199□	40000□	4.6□	TKAF□97 / TRF57□	YDA 80N4□
	1.9□	3410□	726□	26300□	0.80□	TK□ 87 / TRF57□	YDA 80N4□
	2.2□	3010□	638□	26900□	0.90□	TKF□ 87 / TRF57□	YDA 80N4□
	2.5□	2640□	562□	27400□	1.00□	TKA□ 87 / TRF57□	YDA 80N4□
	2.9□	2220□	474□	27800□	1.20□	TKAF□87 / TRF57□	YDA 80N4□
	3.2□	2000□	426□	28100□	1.35□		
	3.7□	1760□	373□	28300□	1.55□		
	4.2□	1540□	330□	28400□	1.75□		
	4.7□	1370□	294□	28600□	1.95□		
	5.5□	1190□	250□	28700□	2.3□		
	5.8□	1120□	236□	28700□	2.4□		
	6.9□	950□	201□	28800□	2.9□		
	3.8□	1740□	367□	13900□	0.90□	TK□ 77 / TRF37□	YDA 80N4□
	4.2□	1550□	328□	15400□	1.00□	TKF□ 77 / TRF37□	YDA 80N4□
	4.8□	1380□	290□	16500□	1.15□	TKA□ 77 / TRF37□	YDA 80N4□
	5.5□	1190□	252□	17500□	1.30□	TKAF□77 / TRF37□	YDA 80N4□
	6.2□	1040□	221□	18100□	1.50□		
	3.9□	1830□	176.05*□	40000□	2.4□	TK□ 97□	YDA 100M8□
	4.5□	1590□	153.21*□	40000□	2.7□	TKF□ 97□	YDA 100M8□
	4.9□	1460□	140.28□	40000□	3.0□	TKA□ 97□	YDA 100M8□
						TKAF□97□	YDA 100M8□
	4.7□	1530□	147.32*□	28500□	1.75□	TK□ 87□	YDA 100M8□
	5.4□	1320□	126.91*□	28600□	2.1□	TKF□ 87□	YDA 100M8□
	6.0□	1200□	115.82□	28700□	2.3□	TKA□ 87□	YDA 100M8□
	6.7□	1070□	102.71*□	28700□	2.5□	TKAF□87□	YDA 100M8□
	5.2□	1390□	174.19□	28600□	1.95□	TK□ 87□	YDA 90S6□
	5.5□	1310□	164.34*□	28600□	2.1□	TKF□ 87□	YDA 90S6□
	6.1□	1170□	147.32*□	28700□	2.3□	TKA□ 87□	YDA 90S6□
	7.1□	1010□	126.91*□	28800□	2.7□	TKAF□87□	YDA 90S6□
	7.0□	1020□	197.37□	28800□	2.6□	TK□ 87□	YDA 80N4□
	7.9□	900□	174.19□	28800□	3.0□	TKF□ 87□	YDA 80N4□
	8.4□	850□	164.34*□	28900□	3.2□	TKA□ 87□	YDA 80N4□
	9.4□	765□	147.32*□	28900□	3.5□	TKAF□87□	YDA 80N4□
	6.7□	1080□	135.28□	18000□	1.45□	TK□ 77□	YDA 90S6□
	7.0□	1020□	128.52□	18200□	1.50□	TKF□ 77□	YDA 90S6□
	7.9□	900□	113.56□	18700□	1.70□	TKA□ 77□	YDA 90S6□
	9.3□	770□	97.05□	19100□	2.0□	TKAF□77□	YDA 90S6□
	10□	710□	88.97□	19200□	2.2□		
	9.0□	800□	154.02□	19000□	1.95□	TK□ 77□	YDA 80N4□
	10□	700□	135.28□	19300□	2.2□	TKF□ 77□	YDA 80N4□
	11□	665□	128.52□	19300□	2.3□	TKA□ 77□	YDA 80N4□
	12□	590□	113.56□	19500□	2.6□	TKAF□77□	YDA 80N4□
	14□	505□	97.05□	19700□	3.1□		
	11□	640□	123.54□	11700□	1.30□	TK□ 67□	YDA 80N4□
	13□	560□	108.03□	12100□	1.45□	TKF□ 67□	YDA 80N4□
	15□	465□	90.04□	12600□	1.75□	TKA□ 67□	YDA 80N4□
						TKAF□67□	YDA 80N4□
	18□	395□	76.37□	12800□	2.1□	TK□ 67□	YDA 80N4□
	20□	360□	68.95□	13000□	2.3□	TKF□ 67□	YDA 80N4□
	23□	315□	60.66□	13000□	2.6□	TKA□ 67□	YDA 80N4
	24	295	57.28	13000□	2.8	TKAF 67□	YDA 80N4

PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	13□	560□	108.29□	7940□	1.05□	TKF□	57□	YDA 80N4□
	13□	535□	102.88*□	8160□	1.10□	TKA□	57□	YDA 80N4□
	15□	470□	90.26*□	8570□	1.30□	TKAF □	57□	YDA 80N4□
	18□	395□	76.56*□	8890□	1.50□			
	20□	360□	69.12□	9060□	1.65□			
	23□	315□	60.81*□	9230□	1.90□			
	24□	300□	57.42*□	9290□	2.0□			
	28□	255□	48.89□	9450□	2.4□			
	31□	230□	44.43□	9530□	2.6□			
	18□	390□	75.20*□	6060□	1.00□	TK□	47□	YDA 80N4□
	20□	365□	69.84□	6410□	1.10□	TKF□	47□	YDA 80N4□
	22□	330□	63.30*□	6790□	1.20□	TKA□	47□	YDA 80N4□
						TKAF □	47□	YDA 80N4□
	24□	295□	56.83□	7110□	1.35□	TK□	47□	YDA 80N4□
	28□	255□	48.95*□	7430□	1.55□	TKF□	47□	YDA 80N4□
	30□	240□	46.03*□	7540□	1.65□	TKA□	47□	YDA 80N4□
	35□	205□	39.61□	7740□	1.95□	TKAF □	47□	YDA 80N4□
	39□	184□	35.39□	7760□	2.2□			
	44□	162□	31.30□	7550□	2.5□			
	31□	230□	44.46□	4170□	0.85□	TK□	37□	YDA 80N4□
	36□	197□	37.97□	4150□	1.00□	TKF□	37□	YDA 80N4□
	39□	185□	35.57□	4140□	1.10□	TKA□	37□	YDA 80N4□
	46□	156□	29.96□	4080□	1.30□	TKAF □	37□	YDA 80N4□
	48□	150□	28.83□	4060□	1.35□			
	55□	130□	24.99□	3990□	1.55□			
	59□	121□	23.36□	3950□	1.60□			
	68□	105□	20.19□	3860□	1.75□			
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	90□	80□	15.31□	3670□	2.2□			
	105□	68□	13.08□	3550□	2.4□			
	114□	63□	12.14□	3500□	2.5□			
	132□	54□	10.49□	3380□	2.9□			
	155□	46□	8.91□	3250□	3.5□			
	173□	41□	7.96□	3160□	3.8□			
	203□	35□	6.80□	3030□	4.3□			
	217□	33□	6.37□	2980□	4.4□			
	257□	28□	5.36□	2840□	5.0□			
	347□	21□	3.98□	2620□	6.0□			
1.1□	0.15□	59700□	9363□	190000□	0.85□	TK□	187 / TRF97□	YDA 90S4□
	0.17□	51100□	8126□	190000□	1.00□	TKH□	187 / TRF97□	YDA 90S4□
	0.19□	48400□	7343□	190000□	1.05□			
	0.21□	44200□	6747□	190000□	1.15□			
	0.23□	39000□	5991□	190000□	1.30□			
	0.26□	34500□	5358□	190000□	1.45□			
	0.29□	30700□	4817□	190000□	1.65□			
	0.32□	27900□	4370□	190000□	1.80□			
	0.26□	34800□	5355□	150000□	0.90□	TK□	167 / TRF97□	YDA 90S4□
	0.29□	30800□	4788□	150000□	1.05□	TKH□	167 / TRF97□	YDA 90S4□
	0.34□	26700□	4079□	150000□	1.20□			
	0.41□	22300□	3376□	150000□	1.45□			
	0.51□	17900□	2755□	150000□	1.80□			
	0.64□	14600□	2182□	150000□	2.2□	TK□	167 / TRF97□	YDA 90S4□
	0.82□	11300□	1704□	150000□	2.8□	TKH□	167 / TRF97□	YDA 90S4□
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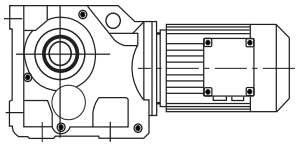

PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	0.46□	20100□	3051□	111100□	0.90□	TKF□	157 / TRF97□	YDA 90S4□
	0.54□	16700□	2610□	112800□	1.10□	TKA□	157 / TRF97□	YDA 90S4□
	0.60□	14800□	2322□	113600□	1.20□	TKAF□	157 / TRF97□	YDA 90S4□
	0.84□	11100□	1659□	115000□	1.65□	TK□	157 / TRF97□	YDA 90S4□
	1.0□	8980□	1365□	115600□	2.0□	TKF□	157 / TRF97□	YDA 90S4□
	1.1□	8010□	1229□	115800□	2.3□	TKA□	157 / TRF97□	YDA 90S4□
	1.3□	7130□	1093□	116000□	2.5□	TKAF□	157 / TRF97□	YDA 90S4□
	1.5□	6150□	942□	116100□	2.9□			
	1.6□	5510□	854□	116200□	3.3□			
	0.73□	13200□	1926□	79100□	1.00□	TK□	127 / TRF77□	YDA 90S4□
	0.80□	12000□	1757□	79700□	1.10□	TKF□	127 / TRF77□	YDA 90S4□
	0.91□	10500□	1541□	80500□	1.25□	TKA□	127 / TRF77□	YDA 90S4□
	1.0□	9170□	1342□	81000□	1.40□	TKAF□	127 / TRF77□	YDA 90S4□
	1.2□	8020□	1177□	81400□	1.60□			
	1.4□	7010□	1025□	81800□	1.85□			
	1.6□	6130□	899□	82000□	2.1□			
	1.8□	5280□	790□	82200□	2.5□			
	2.0□	4780□	704□	82300□	2.7□			
	2.3□	4110□	610□	82500□	3.2□			
	2.6□	3710□	549□	82500□	3.5□			
	2.9□	3190□	477□	82600□	4.1□			
	1.2□	7990□	1166□	65000□	1.00□	TK□	107 / TRF77□	YDA 90S4□
	1.4□	6960□	1030□	65000□	1.15□	TKF□	107 / TRF77□	YDA 90S4□
	1.6□	6080□	904□	65000□	1.30□	TKA□	107 / TRF77□	YDA 90S4□
	1.8□	5420□	793□	65000□	1.50□	TKAF□	107 / TRF77□	YDA 90S4□
	2.0□	4740□	696□	65000□	1.70□			
	2.3□	4140□	615□	65000□	1.95□			
	2.7□	3510□	522□	65000□	2.3□			
	3.0□	3090□	461□	65000□	2.6□			
	3.4□	2720□	408□	65000□	2.9□			
	3.9□	2470□	364□	65000□	3.2□			
	4.4□	2160□	318□	65000□	3.7□			
	1.9□	5070□	743□	39800□	0.85□	TK□	97 / TRF57□	YDA 90S4□
	2.1□	4460□	652□	40000□	0.95□	TKF□	97 / TRF57□	YDA 90S4□
	2.4□	3990□	573□	40000□	1.10□	TKA□	97 / TRF57□	YDA 90S4□
	2.8□	3430□	504□	40000□	1.25□	TKAF□	97 / TRF57□	YDA 90S4□
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	3.7□	2620□	382□	40000□	1.65□			
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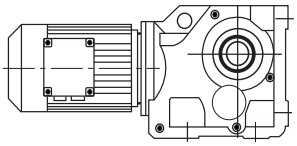
	3.8□	2570□	373□	27400□	1.05□	TKA□	87 / TRF57□	YDA 90S4□
	4.2□	2250□	330□	27800□	1.20□	TKAF□	87 / TRF57□	YDA 90S4□
	4.8□	2010□	294□	28000□	1.35□			
	5.6□	1730□	250□	28300□	1.55□			
	5.9□	1630□	236□	28400□	1.65□			
	7.0□	1390□	201□	28600□	1.95□			
	3.8□	2760□	176.05*□	40000□	1.55□	TK□	97□	YDA 100L8□
	4.4□	2400□	153.21*□	40000□	1.80□	TKF□	97□	YDA 100L8□
	4.8□	2200□	140.28□	40000□	1.95□	TKA□	97□	YDA 100L8□
	5.4□	1940□	123.93*□	40000□	2.2□	TKAF□	97□	YDA 100L8□
	5.2□	2010□	176.05*□	40000□	2.1□	TK□	97□	YDA 90L6□
	6.0□	1750□	153.21*□	40000□	2.5□	TKF□	97□	YDA 90L6□
	6.6□	1600□	140.28□	40000□	2.7□	TKA□	97□	YDA 90L6□
	7.4	1420	123.93*	40000	3.0□	TKAF	97	YDA 90L6

PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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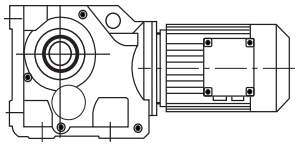
	9.1□	1150□	153.21*□	40000□	3.7□	TKF□	97□	YDA 90S4□
	10□	1050□	140.28□	40000□	4.1□	TKA□	97□	YDA 90S4□
						TKAF□	97□	YDA 90S4□
	5.3□	1990□	174.19□	28100□	1.35□	TK□	87□	YDA 90L6□
	5.6□	1880□	164.34*□	28200□	1.45□	TKF□	87□	YDA 90L6□
	6.2□	1680□	147.32*□	28300□	1.60□	TKA□	87□	YDA 90L6□
	7.2□	1450□	126.91*□	28500□	1.85□	TKAF□	87□	YDA 90L6□
	8.0□	1310□	174.19□	28600□	2.1□	TK□	87□	YDA 90S4□
	8.5□	1230□	164.34*□	28700□	2.2□	TKF□	87□	YDA 90S4□
	9.5□	1110□	147.32*□	28700□	2.4□	TKA□	87□	YDA 90S4□
	11□	950□	126.91*□	28800□	2.8□	TKAF□	87□	YDA 90S4□
	12□	870□	115.82□	28800□	3.1□			
	6.8□	1540□	135.28□	15400□	1.00□	TK□	77□	YDA 90L6□
	7.2□	1470□	128.52□	15900□	1.05□	TKF□	77□	YDA 90L6□
	8.1□	1300□	113.56□	17000□	1.20□	TKA□	77□	YDA 90L6□
	9.5□	1110□	97.05□	17900□	1.40□	TKAF□	77□	YDA 90L6□
	10□	1020□	135.28□	18300□	1.55□	TK□	77□	YDA 90S4□
	11□	960□	128.52□	18400□	1.60□	TKF□	77□	YDA 90S4□
	12□	850□	113.56□	18800□	1.80□	TKA□	77□	YDA 90S4□
						TKAF□	77□	YDA 90S4□
	14□	730□	97.05□	19200□	2.1□	TK□	77□	YDA 90S4□
	16□	670□	88.97□	19300□	2.3□	TKF□	77□	YDA 90S4□
	18□	585□	78.07□	19500□	2.7□	TKA□	77□	YDA 90S4□
	19□	555□	73.99□	19600□	2.8□	TKAF□	77□	YDA 90S4□
	13□	810□	108.03□	10400□	1.00□	TK□	67□	YDA 90S4□
	14□	770□	102.62□	10700□	1.05□	TKF□	67□	YDA 90S4□
	16□	675□	90.04□	11400□	1.20□	TKA□	67□	YDA 90S4□
	18□	575□	76.37□	12000□	1.45□	TKAF□	67□	YDA 90S4□
	20□	515□	68.95□	12300□	1.60□			
	23□	455□	60.66□	12600□	1.80□	TK□	67□	YDA 90S4□
	24□	430□	57.28□	12700□	1.90□	TKF□	67□	YDA 90S4□
	29□	365□	48.77□	12900□	2.2□	TKA□	67□	YDA 90S4□
	32□	335□	44.32□	13000□	2.5□	TKAF□	67□	YDA 90S4□
	36□	290□	38.39□	13000□	2.8□			
	16□	675□	90.26*□	2410□	0.90□	TK□	57□	YDA 90S4□
	18□	575□	76.56*□	7840□	1.05□	TKF□	57□	YDA 90S4□
	20□	520□	69.12□	8280□	1.15□	TKA□	57□	YDA 90S4□
	23□	455□	60.81*□	8630□	1.30□	TKAF□	57□	YDA 90S4□
	24□	430□	57.42*□	8750□	1.40□			
	29□	365□	48.89□	9020□	1.65□			
	32□	335□	44.43□	9160□	1.80□			
	36□	290□	38.49□	9330□	2.1□	TK□	57□	YDA 90S4□
	39□	270□	35.70□	9400□	2.2□	TKF□	57□	YDA 90S4□
	46□	225□	30.28□	9540□	2.6□	TKA□	57□	YDA 90S4□
	51□	205□	27.34□	9510□	2.9□	TKAF□	57□	YDA 90S4□
	58□	181□	24.05□	9220□	3.3□			
	62□	170□	22.71□	9090□	3.5□			
	72□	145□	19.34□	8720□	4.0□			
	80□	132□	17.57□	8510□	4.2□			
	92□	114□	15.22□	8180□	4.7□			
	106□	99□	13.25□	7880□	5.1□			
	117□	90□	11.92□	7570□	4.6□			
	124	85	11.26	7450	4.9□			
	146	72	9.59	7120	5.6			



PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	186□	57□	7.55□	6650□	6.5□	TKF□	57□	YDA 90S4□
	213□	49□	6.57□	6380□	7.0□	TKA□	57□	YDA 90S4□
	298□	35□	4.69□	5770□	8.5□	TKAF□	57□	YDA 90S4□
	25□	425□	56.83□	3310□	0.95□	TK□	47□	YDA 90S4□
	29□	365□	48.95*□	6360□	1.10□	TKF□	47□	YDA 90S4□
	30□	345□	46.03*□	6610□	1.15□	TKA□	47□	YDA 90S4□
						TKAF□	47□	YDA 90S4□
	35□	295□	39.61□	7090□	1.35□	TK□	47□	YDA 90S4□
	40□	265□	35.39□	7090□	1.50□	TKF□	47□	YDA 90S4□
	45□	235□	31.30□	6960□	1.70□	TKA□	47□	YDA 90S4□
	48□	220□	29.32□	6890□	1.80□	TKAF□	47□	YDA 90S4□
	54□	194□	25.91□	6730□	2.1□			
	64□	164□	21.81□	6510□	2.4□			
	72□	147□	19.58□	6360□	2.7□			
	47□	225□	29.96□	3420□	0.90□	TK□	37□	YDA 90S4□
	56□	188□	24.99□	3440□	1.05□	TKF□	37□	YDA 90S4□
	60□	175□	23.36□	3440□	1.10□	TKA□	37□	YDA 90S4□
	69□	152□	20.19□	3420□	1.20□	TKAF□	37□	YDA 90S4□
	82□	129□	17.15□	3370□	1.40□			
	91□	115□	15.31□	3330□	1.50□			
	107□	98□	13.08□	3260□	1.70□			
	115□	91□	12.14□	3220□	1.75□			
	133□	79□	10.49□	3140□	2.0□			
	157□	67□	8.91□	3040□	2.4□			
	176□	60□	7.96□	2970□	2.6□			
	206□	51□	6.80□	2870□	2.9□			
	220□	48□	6.37□	2830□	3.0□			
	261□	40□	5.36□	2720□	3.5□			
	352□	30□	3.98□	2520□	4.2□			
1.5□	0.21□	60800□	6747□	190000□	0.80□	TK□	187 / TRF97□	YDA 90L4□
	0.24□	53600□	5991□	190000□	0.95□	TKH□	187 / TRF97□	YDA 90L4□
	0.26□	47600□	5358□	190000□	1.05□			
	0.29□	42500□	4817□	190000□	1.20□			
	0.32□	38600□	4370□	190000□	1.30□			
	0.39□	33100□	3609□	190000□	1.50□	TK□	187 / TRF97□	YDA 90L4□
	0.46□	28000□	3062□	190000□	1.80□	TKH□	187 / TRF97□	YDA 90L4□
	0.56□	22800□	2519□	190000□	2.2□			
	0.62□	20400□	2268□	190000□	2.5□			
	0.35□	36700□	4079□	150000□	0.85□	TK□	167 / TRF97□	YDA 90L4□
	0.42□	30500□	3376□	150000□	1.05□	TKH□	167 / TRF97□	YDA 90L4□
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	0.83□	15500□	1704□	150000□	2.1□	TKH□	167 / TRF97□	YDA 90L4□
	1.0□	12900□	1408□	150000□	2.5□			
	1.1□	11800□	1296□	150000□	2.7□			
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						TKF□	157 / TRF97□	YDA 90L4□
						TKA□	157 / TRF97□	YDA 90L4□
						TKAF □	157 / TRF97□	YDA 90L4□
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	1.2□	11100□	1229□	115000□	1.65□	TKA□	157 / TRF97□	YDA 90L4□
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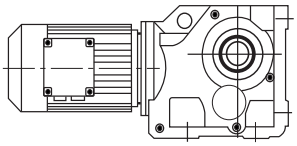
PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
1.5□	1.5□	8480□	942□	115700□	2.1□	TK□	157 / TRF97□	YDA 90L4□
	1.7□	7630□	854□	115900□	2.4□	TKF□	157 / TRF97□	YDA 90L4□
	2.5□	5010□	567□	116300□	3.6□	TKA□	157 / TRF97□	YDA 90L4□
	2.8□	4460□	504□	116400□	4.0□	TKAF □	157 / TRF97□	YDA 90L4□
	2.6□	4830□	536□	82300□	2.7□	TK□	127 / TRF87□	YDA 90L4□
	3.4□	3800□	418□	82500□	3.4□	TKF□	127 / TRF87□	YDA 90L4□
	3.8□	3350□	367□	82600□	3.9□	TKA□	127 / TRF87□	YDA 90L4□
						TKAF □	127 / TRF87□	YDA 90L4□
	0.80□	16400□	1757□	73100□	0.80□	TK□	127 / TRF77□	YDA 90L4□
	0.91□	14300□	1541□	77300□	0.90□	TKF□	127 / TRF77□	YDA 90L4□
	1.1□	12500□	1342□	79500□	1.05□	TKA□	127 / TRF77□	YDA 90L4□
	1.2□	10900□	1177□	80300□	1.20□	TKAF □	127 / TRF77□	YDA 90L4□
	1.4□	9550□	1025□	80900□	1.35□			
	1.6□	8360□	899□	81300□	1.55□			
	1.8□	7240□	790□	81700□	1.80□			
	2.0□	6520□	704□	81900□	2.0□			
	2.3□	5620□	610□	82200□	2.3□			
	2.6□	5080□	549□	82300□	2.6□			
	3.0□	4370□	477□	82400□	3.0□			
	3.4□	3870□	418□	82500□	3.4□			
	1.4□	9520□	1030□	65000□	0.85□	TK□	107 / TRF77□	YDA 90L4□
	1.6□	8320□	904□	65000□	0.95□	TKF□	107 / TRF77□	YDA 90L4□
	1.8□	7390□	793□	65000□	1.10□	TKA□	107 / TRF77□	YDA 90L4□
	2.0□	6470□	696□	65000□	1.25□	TKAF □	107 / TRF77□	YDA 90L4□
	2.3□	5670□	615□	65000□	1.40□			
	2.7□	4810□	522□	65000□	1.65□			
	3.1□	4230□	461□	65000□	1.90□			
	3.5□	3740□	408□	65000□	2.1□			
	3.9□	3370□	364□	65000□	2.4□			
	4.4□	2940□	318□	65000□	2.7□			
	2.5□	5420□	573□	39400□	0.80□	TK□	97 / TRF57□	YDA 90L4□
	2.8□	4680□	504□	40000□	0.90□	TKF□	97 / TRF57□	YDA 90L4□
	3.2□	4050□	437□	40000□	1.05□	TKA□	97 / TRF57□	YDA 90L4□
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	4.1□	3160□	342□	40000□	1.35□			
	4.6□	2880□	305□	40000□	1.50□			
	5.5□	2430□	258□	40000□	1.75□			
	6.1□	2190□	232□	40000□	1.95□			
	7.1□	1870□	199□	40000□	2.3□			
	4.3□	3070□	330□	26800□	0.90□	TK□	87 / TRF57□	YDA 90L4□
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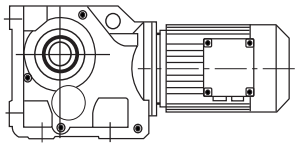
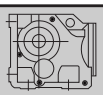
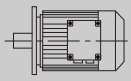
	5.6□	2360□	250□	27700□	1.15□	TKA□	87 / TRF57□	YDA 90L4□
	6.0□	2230□	236□	27800□	1.20□	TKAF□	87 / TRF57□	YDA 90L4□
	7.0□	1890□	201□	28200□	1.45□			
	7.7□	1720□	183□	28300□	1.55□			
	4.9□	2940□	143.47*□	65000□	2.7□	TK□	107□	YDA 112M8□
	5.8□	2490□	121.46□	65000□	3.2□	TKF□	107□	YDA 112M8□
	6.2□	2300□	112.41*□	65000□	3.5□	TKA□	107□	YDA 112M8□
						TKAF □	107□	YDA 112M8□
	4.6□	3140□	153.21*□	40000□	1.35□	TK□	97□	YDA 112M8□
	5.0□	2870□	140.28□	40000□	1.50□	TKF□	97□	YDA 112M8□
	5.7□	2540□	123.93*□	40000□	1.70□	TKA□	97□	YDA 112M8□
						TKAF □	97□	YDA 112M8□
	5.2□	2740□	176.05*□	40000□	1.55□	TK□	97□	YDA 100M6□
	6.0□	2390□	153.21*□	40000□	1.80□	TKF□	97□	YDA 100M6□
	6.6□	2180□	140.28□	40000□	1.95□	TKA□	97□	YDA 100M6
	7.4	1930	123.93*	40000	2.2	TKAF	97	YDA 100M6



PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	9.2□	1560□	153.21*□	40000□	2.8□	TKF□	97□	YDA 90L4□
	10□	1430□	140.28□	40000□	3.0□	TKA□	97□	YDA 90L4□
	11□	1260□	123.93*□	40000□	3.4□	TKAF□	97□	YDA 90L4□
	6.2□	2290□	147.32*□	27800□	1.20□	TK□	87□	YDA 100M6□
	7.2□	1980□	126.91*□	28100□	1.35□	TKF□	87□	YDA 100M6□
	7.9□	1800□	115.82□	28200□	1.50□	TKA□	87□	YDA 100M6□
	9.0□	1600□	102.71*□	28400□	1.70□	TKAF□	87□	YDA 100M6□
	8.1□	1770□	174.19□	28300□	1.55□	TK□	87□	YDA 90L4□
	8.6□	1670□	164.34*□	28300□	1.60□	TKF□	87□	YDA 90L4□
	9.6□	1500□	147.32*□	28500□	1.80□	TKA□	87□	YDA 90L4□
	11□	1290□	126.91*□	28600□	2.1□	TKAF□	87□	YDA 90L4□
	12□	1180□	115.82□	28700□	2.3□			
	14□	1040□	102.71*□	28800□	2.6□			
	16□	880□	86.34□	28800□	3.1□			
	8.1□	1770□	113.56□	13600□	0.90□	TK□	77□	YDA 100M6□
	9.5□	1510□	97.05□	15700□	1.05□	TKF□	77□	YDA 100M6□
	10□	1390□	88.97□	16400□	1.10□	TKA□	77□	YDA 100M6□
	12□	1220□	78.07□	17400□	1.30□	TKAF□	77□	YDA 100M6□
	10□	1370□	135.28□	16500□	1.15□	TK□	77□	YDA 90L4□
	11□	1310□	128.52□	16900□	1.20□	TKF□	77□	YDA 90L4□
	12□	1150□	113.56□	17700□	1.35□	TKA□	77□	YDA 90L4□
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	16□	900□	88.97□	18700□	1.70□			
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	19□	750□	73.99□	19100□	2.1□	TKF□	77□	YDA 90L4□
	22□	660□	64.75□	19400□	2.4□	TKA□	77□	YDA 90L4□
	24□	595□	58.34□	19500□	2.6□	TKAF□	77□	YDA 90L4□
	28□	520□	51.18□	19700□	3.0□			
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	35□	405□	40.04□	19800□	3.8□			
	16□	910□	90.04□	9370□	0.90□	TK□	67□	YDA 90L4□
	18□	775□	76.37□	10700□	1.05□	TKF□	67□	YDA 90L4□
	20□	700□	68.95□	11300□	1.15□	TKA□	67□	YDA 90L4□
	23□	615□	60.66□	11800□	1.35□	TKAF□	67□	YDA 90L4□
	25□	580□	57.28□	12000□	1.40□			
	29□	495□	48.77□	12400□	1.65□			
	32□	450□	44.32□	12600□	1.80□	TK□	67□	YDA 90L4□
	37□	390□	38.39□	12800□	2.1□	TKF□	67□	YDA 90L4□
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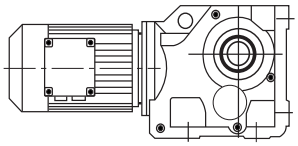
	47□	305□	30.22□	13000□	2.7□	TKAF□	67□	YDA 90L4□
	52□	275□	27.28□	13000□	3.0□			
	59□	245□	24.00□	13000□	3.3□			
	23□	620□	60.81*□	7480□	0.95□	TK□	57□	YDA 90L4□
	25□	585□	57.42*□	7770□	1.05□	TKF□	57□	YDA 90L4□
	29□	495□	48.89□	8430□	1.20□	TKA□	57□	YDA 90L4□
	32□	450□	44.43□	8650□	1.35□	TKAF□	57□	YDA 90L4□
	37□	390□	38.49□	8920□	1.55□	TK□	57□	YDA 90L4□
	39□	365□	35.70□	9040□	1.65□	TKF□	57□	YDA 90L4□
	47□	310□	30.28□	9190□	1.95□	TKA□	57□	YDA 90L4□
	52□	280□	27.34□	9010□	2.2□	TKAF□	57□	YDA 90L4□
	59□	245□	24.05□	8780□	2.5□			
	62□	230□	22.71	8670	2.6			
	73	196	19.34	8360	2.9			

PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	40□	360□	35.39□	6360□	1.10□	TKF□	47□	YDA 90L4□
	45□	320□	31.30□	6310□	1.25□	TKA□	47□	YDA 90L4□
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	48□	300□	29.32□	6270□	1.35□	TK□	47□	YDA 90L4□
	54□	265□	25.91□	6190□	1.50□	TKF□	47□	YDA 90L4□
	65□	220□	21.81□	6050□	1.80□	TKA□	47□	YDA 90L4□
	72□	199□	19.58□	5950□	2.0□	TKAF □	47□	YDA 90L4□
	84□	171□	16.86□	5800□	2.2□			
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	103□	139□	13.65□	5560□	2.6□			
	116□	124□	12.19□	5430□	2.8□			
	120□	120□	11.77□	5340□	2.3□			
	60□	235□	23.36□	2860□	0.80□	TK□	37□	YDA 90L4□
	70□	205□	20.19□	2920□	0.90□	TKF□	37□	YDA 90L4□
	82□	174□	17.15□	2940□	1.05□	TKA□	37□	YDA 90L4□
	92□	156□	15.31□	2950□	1.10□	TKAF □	37□	YDA 90L4□
	108□	133□	13.08□	2930□	1.25□			
	116□	123□	12.14□	2920□	1.30□			
	134□	107□	10.49□	2880□	1.50□			
	158□	91□	8.91□	2820□	1.75□			
	177□	81□	7.96□	2770□	1.90□			
	207□	69□	6.80□	2700□	2.2□			
	221□	65□	6.37□	2670□	2.2□			
	263□	55□	5.36□	2580□	2.6□			
	354□	40□	3.98□	2420□	3.1□			
2.2□	0.32□	57700□	4370□	190000□	0.85□	TK□	187 / TRF97□	YDA 100M4□
	0.50□	36400□	2818□	190000□	1.40□	TKH□	187 / TRF97□	YDA 100M4□
	0.39□	49000□	3609□	190000□	1.00□	TK□	187 / TRF97□	YDA 100M4□
	0.46□	41600□	3062□	190000□	1.20□	TKH□	187 / TRF97□	YDA 100M4□
	0.56□	34000□	2519□	190000□	1.45□			
	0.62□	30400□	2268□	190000□	1.65□			
	0.69□	27400□	2054□	190000□	1.80□			
	0.77□	24200□	1821□	190000□	2.1□			
	0.88□	21400□	1605□	190000□	2.3□			
	0.51□	36700□	2755□	150000□	0.85□	TK□	167 / TRF97□	YDA 100M4□
	0.62□	29500□	2263□	150000□	1.10□	TKH□	167 / TRF97□	YDA 100M4□
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	0.83□	23100□	1704□	150000□	1.40□	TKH□	167 / TRF97□	YDA 100M4□
	1.0□	19100□	1408□	150000□	1.65□			
	1.1□	17500□	1296□	150000□	1.80□			
	1.3□	14600□	1101□	150000□	2.2□			
	1.5□	12600□	944□	150000□	2.5□			
	0.85□	22500□	1659□	109600□	0.80□	TK□	157 / TRF97□	YDA 100M4□
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	1.2□	16500□	1229□	112900□	1.10□	TKA□	157 / TRF97□	YDA 100M4□
	1.3□	• 14700□	1093□	113700□	1.25□	TKAF □	157 / TRF97□	YDA 100M4□
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	1.7□	11400□	854□	114900□	1.60□			
	1.9□	9880□	756□	115300□	1.80□			
	2.6□	7200□	536□	81700□	1.80□	TK□	127 / TRF87□	YDA 100M4□
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	3.4□	5670□	418□	82100□	2.3□	TKA□	127 / TRF87□	YDA 100M4□
	3.8□	4970□	367□	82300□	2.6□	TKAF □	127 / TRF87□	YDA 100M4
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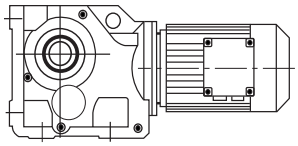

PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
2.2□	1.4□	14100□	1025□	77800□	0.90□	TK□	127 / TRF77□	YDA 100M4□
	1.6□	12300□	899□	79500□	1.05□	TKF□	127 / TRF77□	YDA 100M4□
	1.8□	10700□	790□	80400□	1.20□	TKA□	127 / TRF77□	YDA 100M4□
	2.0□	9640□	704□	80800□	1.35□	TKAF □	127 / TRF77□	YDA 100M4□
	2.3□	8330□	610□	81300□	1.55□			
	2.6□	7510□	549□	81600□	1.75□			
	3.0□	6490□	477□	81900□	2.0□			
	3.4□	5720□	418□	82100□	2.3□			
	2.3□	8390□	615□	65000□	0.95□	TK□	107 / TRF77□	YDA 100M4□
	2.7□	7120□	522□	65000□	1.10□	TKF□	107 / TRF77□	YDA 100M4□
	3.1□	6270□	461□	65000□	1.30□	TKA□	107 / TRF77□	YDA 100M4□
	3.5□	5540□	408□	65000□	1.45□	TKAF □	107 / TRF77□	YDA 100M4□
	3.9□	4980□	364□	65000□	1.60□			
	4.4□	4350□	318□	65000□	1.85□			
	4.9□	3910□	286□	65000□	2.0□			
	5.6□	3430□	251□	65000□	2.3□			
	3.7□	5260□	382□	39600□	0.80□	TK□	97 / TRF57□	YDA 100M4□
	4.1□	4680□	342□	40000□	0.90□	TKF□	97 / TRF57□	YDA 100M4□
	4.6□	4240□	305□	40000□	1.00□	TKA□	97 / TRF57□	YDA 100M4□
	5.5□	3580□	258□	40000□	1.20□	TKAF□	97 / TRF57□	YDA 100M4□
	6.1□	3220□	232□	40000□	1.35□			
	7.1□	2760□	199□	40000□	1.55□			
	4.9□	4310□	143.47*□	65000□	1.85□	TK□	107□	YDA 132S8□
	5.8□	3650□	121.46□	65000□	2.2□	TKF□	107□	YDA 132S8□
	6.2□	3370□	112.41*□	65000□	2.4□	TKA□	107□	YDA 132S8□
	7.0□	3020□	100.75□	65000□	2.7□	TKAF □	107□	YDA 132S8□
	6.1□	3420□	153.21*□	40000□	1.25□	TK□	97□	YDA 112M6□
	6.7□	3140□	140.28□	40000□	1.35□	TKF□	97□	YDA 112M6□
	7.6□	2770□	123.93*□	40000□	1.55□	TKA□	97□	YDA 112M6□
	8.9□	2350□	105.13□	40000□	1.85□	TKAF□	97□	YDA 112M6□
	8.0□	2620□	176.05*□	40000□	1.65□	TK□	97□	YDA 100M4□
	9.2□	2280□	153.21*□	40000□	1.90□	TKF□	97□	YDA 100M4□
	10□	2090□	140.28□	40000□	2.1□	TKA□	97□	YDA 100M4□
	11□	1850□	123.93*□	40000□	2.3□	TKAF□	97□	YDA 100M4□
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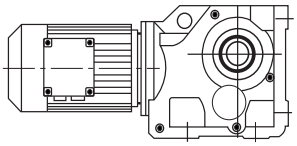
	15□	1440□	96.80□	40000□	3.0□	TKF□	97□	YDA 100M4□
						TKA□	97□	YDA 100M4□
						TKAF□	97□	YDA 100M4□
	9.6□	2200□	147.32*□	27900□	1.25□	TK□	87□	YDA 100M4□
	11□	1890□	126.91*□	28200□	1.45□	TKF□	87□	YDA 100M4□
	12□	1730□	115.82□	28300□	1.55□	TKA□	87□	YDA 100M4□
						TKAF□	87□	YDA 100M4□
	14□	1530□	102.71*□	28500□	1.75□	TK□	87□	YDA 100M4□
	16□	1290□	86.34□	28600□	2.1□	TKF□	87□	YDA 100M4□
	18□	1180□	79.34□	28700□	2.3□	TKA□	87□	YDA 100M4□
	20□	1050□	70.46□	28800□	2.6□	TKAF□	87□	YDA 100M4□
	22□	940□	63.00*□	28800□	2.9□			
	12□	1690□	113.56□	14300□	0.90□	TK□	77□	YDA 100M4□
	15□	1450□	97.05□	16100□	1.05□	TKF□	77□	YDA 100M4□
	16□	1330□	88.97□	16800□	1.15□	TKA□	77□	YDA 100M4□
	18□	1160□	78.07□	17600□	1.35□	TKAF□	77□	YDA 100M4□
	19□	1100□	73.99□	17900□	1.40□			
	22□	960□	64.75□	18400□	1.60□			
	24□	870□	58.34□	18800□	1.80□	TK□	77□	YDA 100M4□
	28□	765□	51.18□	19100□	2.0□	TKF□	77□	YDA 100M4□
	31□	675□	45.16□	19300□	2.3□	TKA□	77	YDA 100M4□
	35	595	40.04	19500	2.6	TKAF	77	YDA 100M4

PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	46□	460□	30.89□	19800□	3.4□	TKF□	77□	YDA 100M4□
	48□	435□	29.27□	19800□	3.6□	TKA□	77□	YDA 100M4□
	55□	380□	25.62□	19900□	4.1□	TKAF□	77□	YDA 100M4□
	23□	900□	60.66□	9490□	0.90□	TK□	67□	YDA 100M4□
	25□	850□	57.28□	10000□	0.95□	TKF□	67□	YDA 100M4□
	29□	725□	48.77□	11100□	1.15□	TKA□	67□	YDA 100M4□
	32□	660□	44.32□	11500□	1.25□	TKAF□	67□	YDA 100M4□
	37□	570□	38.39□	12100□	1.40□			
	40□	530□	35.62□	12300□	1.55□			
	47□	450□	30.22□	12600□	1.80□			
	52□	405□	27.28□	12800□	2.0□	TK□	67□	YDA 100M4□
	59□	360□	24.00□	13000□	2.2□	TKF□	67□	YDA 100M4□
	62□	340□	22.66□	13000□	2.3□	TKA□	67□	YDA 100M4□
	73□	285□	19.30□	13000□	2.6□	TKAF□	67□	YDA 100M4□
	80□	260□	17.54□	13000□	2.8□			
	93□	225□	15.19□	13000□	3.1□			
	107□	197□	13.22□	13000□	3.4□			
	113□	186□	12.48□	13000□	2.9□			
	133□	158□	10.63□	13000□	3.2□			
	146□	144□	9.66□	13000□	3.3□			
	169□	125□	8.37□	13000□	3.5□			
	194□	109□	7.28□	12700□	3.9□			
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	32□	660□	44.43□	5100□	0.90□	TK□	57□	YDA 100M4□
	37□	575□	38.49□	7850□	1.05□	TKF□	57□	YDA 100M4□
	39□	530□	35.70□	8180□	1.15□	TKA□	57□	YDA 100M4□
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	73□	290□	19.34□	7760□	2.0□	TKAF□	57□	YDA 100M4□
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	120□	175□	11.77□	4890□	1.60□			
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	108□	195□	13.08□	2370□	0.85□	TK□	37□	YDA 100M4□
	134□	156□	10.49□	2430□	1.00□	TKF□	37□	YDA 100M4□
	158□	133□	8.91□	2440□	1.20□	TKA□	37□	YDA 100M4□
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	207□	101□	6.80□	2410□	1.50□			
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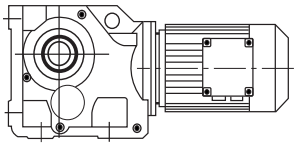
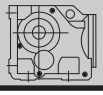
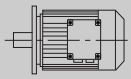


PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
3.0□	0.50□	50800□	2818□	190000□	1.00□	TK□	187 / TRF97□	YDA 100L4□
						TKH□	187 / TRF97□	YDA 100L4□
	0.46□	57500□	3062□	190000□	0.85□	TK□	187 / TRF97□	YDA 100L4□
	0.56□	47100□	2519□	190000□	1.05□	TKH□	187 / TRF97□	YDA 100L4□
	0.62□	42200□	2268□	190000□	1.20□			
	0.68□	38100□	2054□	190000□	1.30□			
	0.77□	33600□	1821□	190000□	1.50□			
	0.87□	29800□	1605□	190000□	1.70□			
	1.0□	25500□	1395□	190000□	1.95□			
	1.2□	22100□	1196□	190000□	2.3□			
	0.82□	31900□	1704□	150000□	1.00□	TK□	167 / TRF97□	YDA 100L4□
	0.99□	26400□	1408□	150000□	1.20□	TKH□	167 / TRF97□	YDA 100L4□
	1.1□	24300□	1296□	150000□	1.30□			
	1.3□	20300□	1101□	150000□	1.55□			
	1.5□	17500□	944□	150000□	1.85□			
	1.7□	15400□	843□	150000□	2.1□			
	1.9□	13900□	757□	150000□	2.3□			
	1.1□	22900□	1229□	109300□	0.80□	TK□	157 / TRF97□	YDA 100L4□
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	1.5□	17600□	942□	112400□	1.05□	TKA□	157 / TRF97□	YDA 100L4□
	1.6□	15800□	854□	113200□	1.15□	TKAF □	157 / TRF97□	YDA 100L4□
	1.9□	13800□	756□	114000□	1.30□			
	2.5□	10500□	567□	115200□	1.70□			
	2.8□	9310□	504□	115500□	1.95□			
	2.6□	9980□	536□	80700□	1.30□	TK□	127 / TRF87□	YDA 100L4□
	3.0□	8760□	473□	81200□	1.50□	TKF□	127 / TRF87□	YDA 100L4□
	3.4□	7870□	418□	81500□	1.65□	TKA□	127 / TRF87□	YDA 100L4□
	3.8□	6880□	367□	81800□	1.90□	TKAF □	127 / TRF87□	YDA 100L4□
	4.2□	6170□	330□	82000□	2.1□			
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	1.8□	14800□	790□	76300□	0.90□	TK□	127 / TRF77□	YDA 100L4□
	2.0□	13300□	704□	79000□	1.00□	TKF□	127 / TRF77□	YDA 100L4□
	2.3□	11500□	610□	80000□	1.15□	TKA□	127 / TRF77□	YDA 100L4□
	2.6□	10400□	549□	80500□	1.25□	TKAF □	127 / TRF77□	YDA 100L4□
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	3.4□	7900□	418□	81500□	1.65□			
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	4.9□	5400□	286□	65000□	1.50□			
	5.6□	4730□	251□	65000□	1.70□			
	6.3□	4170□	222□	65000□	1.90□			
	7.1□	3690□	196□	65000□	2.2□			
	8.1□	3300□	174□	65000□	2.2□			
	9.1□	2920□	154□	65000□	2.5□			
	10□	2650□	140□	65000□	2.7□			
	5.4□	4930□	258□	40000□	0.85□	TK□	97 / TRF57□	YDA 100L4□
	6.0□	4440□	232□	40000□	0.95□	TKF□	97 / TRF57□	YDA 100L4□
	7.0□	3810□	199□	40000□	1.15□	TKA□	97 / TRF57□	YDA 100L4□
						TKAF □	97 / TRF57□	YDA 100L4□
	5.0□	5710□	143.47*□	65000□	1.40□	TK□	107□	YDA 132M8□
	5.9□	4830□	121.46□	65000□	1.65□	TKF□	107□	YDA 132M8□
	6.4□	4470□	112.41*□	65000□	1.80□	TKA□	107□	YDA 132M8□
	7.2□	4010□	100.75□	65000	2.0	TKAF	107	YDA 132M8
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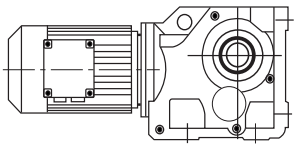
PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	7.7□	3700□	121.46□	65000□	2.2□	TKF□	107□	YDA 132S6□
	8.4□	3430□	112.41*□	65000□	2.3□	TKA□	107□	YDA 132S6□
	9.3□	3070□	100.75□	65000□	2.6□	TKAF □	107□	YDA 132S6□
	9.8□	2940□	143.47*□	65000□	2.7□	TK□	107□	YDA 100L4□
	12□	2490□	121.46□	65000□	3.2□	TKF□	107□	YDA 100L4□
						TKA□	107□	YDA 100L4□
						TKAF □	107□	YDA 100L4□
	7.6□	3780□	123.93*□	40000□	1.15□	TK□	97□	YDA 132S6□
	8.9□	3200□	105.13□	40000□	1.35□	TKF□	97□	YDA 132S6□
	9.7□	2950□	96.80□	40000□	1.45□	TKA□	97□	YDA 132S6□
	11□	2640□	86.52□	40000□	1.65□	TKAF□	97□	YDA 132S6□
	8.0□	3600□	176.05*□	40000□	1.20□	TK□	97□	YDA 100L4□
	9.1□	3140□	153.21*□	40000□	1.35□	TKF□	97□	YDA 100L4□
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	16□	1770□	86.52□	40000□	2.4□	TKA□	97□	YDA 100L4□
	18□	1590□	77.89*□	40000□	2.7□	TKAF□	97□	YDA 100L4□
	20□	1440□	70.54□	40000□	3.0□			
	22□	1280□	62.55□	40000□	3.4□			
	25□	1160□	56.55□	40000□	3.7□			
	9.5□	3010□	147.32*□	26900□	0.90□	TK□	87□	YDA 100L4□
	11□	2600□	126.91*□	27400□	1.05□	TKF□	87□	YDA 100L4□
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	14□	2100□	102.71*□	28000□	1.30□	TKAF□	87□	YDA 100L4□
	16□	1770□	86.34□	28300□	1.55□	TK□	87□	YDA 100L4□
	18□	1620□	79.34□	28400□	1.65□	TKF□	87□	YDA 100L4□
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	24□	1190□	58.34□	17500□	1.30□			
	27□	1050□	51.18□	18100□	1.50□			
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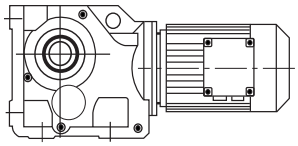
	32□	910□	44.32□	9450□	0.90□	TK□	67□	YDA 100L4□
	36□	785□	38.39□	10600□	1.00□	TKF□	67□	YDA 100L4□
	39□	730□	35.62□	11100□	1.15□	TKA□	67□	YDA 100L4□
	46□	620□	30.22□	11800□	1.35□	TKAF□	67□	YDA 100L4□
	51□	560□	27.28□	12100□	1.45□			
	58□	490□	24.00□	12500□	1.65□			
	62□	465□	22.66□	12600□	1.70□	TK□	67□	YDA 100L4□
	73□	395□	19.30□	12800□	1.95□	TKF□	67□	YDA 100L4□
	80□	360□	17.54□	13000□	2.1□	TKA□	67	YDA 100L4□
	92	310	15.19	13000□	2.3	TKAF	67□	YDA 100L4



PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
3.0□	106□	270□	13.22□	13000□	2.5□	TK□	67□	YDA 100L4□
	112□	255□	12.48□	13000□	2.1□	TKF□	67□	YDA 100L4□
	132□	220□	10.63□	13000□	2.3□	TKA□	67□	YDA 100L4□
	145□	198□	9.66□	13000□	2.4□	TKAF □	67□	YDA 100L4□
	46□	620□	30.28□	7180□	0.95□	TK□	57□	YDA 100L4□
	51□	560□	27.34□	7190□	1.05□	TKF□	57□	YDA 100L4□
	58□	490□	24.05□	7180□	1.20□	TKA□	57□	YDA 100L4□
						TKAF □	57□	YDA 100L4□
	62□	465□	22.71□	7160□	1.30□	TK□	57□	YDA 100L4□
	72□	395□	19.34□	7080□	1.45□	TKF□	57□	YDA 100L4□
	80□	360□	17.57□	7020□	1.55□	TKA□	57□	YDA 100L4□
	92□	310□	15.22□	6890□	1.70□	TKAF□	57□	YDA 100L4□
	106□	270□	13.25□	6750□	1.90□			
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	161□	178□	8.71□	6090□	2.2□			
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	213□	134□	6.57□	5750□	2.6□			
	298□	96□	4.69□	5320□	3.1□			
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	83□	345□	16.86□	4490□	1.10□	TKF□	47□	YDA 100L4□
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	115□	250□	12.19□	4490□	1.40□	TKF□	47□	YDA 100L4□
	119□	240□	11.77□	4370□	1.15□	TKA□	47□	YDA 100L4□
	133□	215□	10.56□	4350□	1.30□	TKAF □	47□	YDA 100L4□
	154□	186□	9.10□	4290□	1.50□			
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	206□	139□	6.80□	2080□	1.10□	TKA□	37□	YDA 100L4□
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	261□	110□	5.36□	2090□	1.30□			
	352□	81□	3.98□	2050□	1.55□			
4.0□	1.7□	20100□	835□	190000□	2.5□	TK□	187 / TRF107□	YDA 112M4□
	2.7□	12600□	520□	190000□	4.0□	TKH□	187 / TRF107□	YDA 112M4□
	0.56□	62200□	2519□	190000□	0.80□	TK□	187 / TRF97□	YDA 112M4□
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	1.4□	25600□	1046□	190000□	1.95□			
	1.5□	23100□	945□	190000□	2.2□			
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	1.3□	26900□	1101□	150000□	1.20□			
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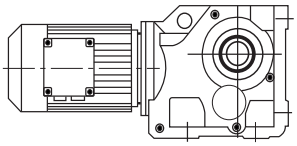
PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	2.2□	15500□	632□	150000□	2.1□	TKH□	167 / TRF97□	YDA 112M4□
	1.7□	21000□	854□	110600□	0.85□	TK□	157 / TRF97□	YDA 112M4□
	1.9□	18300□	756□	112000□	1.00□	TKF□	157 / TRF97□	YDA 112M4□
	2.5□	13900□	567□	114000□	1.30□	TKA□	157 / TRF97□	YDA 112M4□
	2.8□	12300□	504□	114600□	1.45□	TKAF □	157 / TRF97□	YDA 112M4□
	3.3□	10500□	434□	115100□	1.70□			
	2.6□	13200□	536□	79100□	1.00□	TK□	127 / TRF87□	YDA 112M4□
	3.0□	11600□	473□	79900□	1.10□	TKF□	127 / TRF87□	YDA 112M4□
	3.4□	10400□	418□	80500□	1.25□	TKA□	127 / TRF87□	YDA 112M4□
	3.9□	9090□	367□	81100□	1.45□	TKAF □	127 / TRF87□	YDA 112M4□
	4.3□	8160□	330□	81400□	1.60□			
	5.0□	7020□	287□	81800□	1.85□			
	5.6□	6210□	253□	82000□	2.1□			
	2.3□	15200□	610□	75600□	0.85□	TK□	127 / TRF77□	YDA 112M4□
	2.6□	13700□	549□	78600□	0.95□	TKF□	127 / TRF77□	YDA 112M4□
	3.0□	11800□	477□	79800□	1.10□	TKA□	127 / TRF77□	YDA 112M4□
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	3.9□	9050□	364□	65000□	0.90□	TK□	107 / TRF77□	YDA 112M4□
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	8.2□	4360□	174□	65000□	1.65□			
	9.2□	3860□	154□	65000□	1.85□			
	10□	3500□	140□	65000□	2.1□			
	7.1□	5020□	199□	39900□	0.85□	TK□	97 / TRF57□	YDA 112M4□
						TKF□	97 / TRF57□	YDA 112M4□
						TKA□	97 / TRF57□	YDA 112M4□
						TKAF□	97 / TRF57□	YDA 112M4□
	5.3□	7220□	136.14□	81700□	1.80□	TK□	127□	YDA 132ML8□
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						TKAF □	127□	YDA 132ML8□
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	7.8□	4870□	122.48□	82300□	2.7□	TKA□	127□	YDA 132M6□
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	6.4□	5960□	112.41*□	65000□	1.35□	TK□	107□	YDA 132ML8□
	7.2□	5340□	100.75□	65000□	1.50□	TKF□	107□	YDA 132ML8□
	7.9□	4830□	90.96*□	65000□	1.65□	TKA□	107□	YDA 132ML8□
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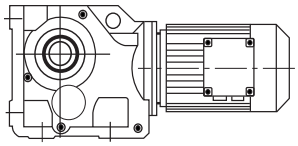
	8.5□	4470□	112.41"□	65000□	1.80□	TKA□	107□	YDA 132M6□
	9.5□	4010□	100.75□	65000□	2.0□	TKAF □	107□	YDA 132M6□
	11□	3620□	90.96*□	65000□	2.2□			
	9.9□	3860□	143.47*□	65000□	2.1□	TK□	107□	YDA 112M4□
	12□	3270□	121.46□	65000□	2.5□	TKF□	107□	YDA 112M4□
	13□	3020□	112.41*□	65000□	2.7□	TKA□	107□	YDA 112M4□
	14□	2710□	100.75□	65000□	3.0□	TKAF □	107□	YDA 112M4□
	16□	2450□	90.96*□	65000□	3.3□			
	17□	2220	82.61	65000	3.6□			
	19	1970	73.30□	65000□	4.1			



PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	10□	3770□	140.28□	40000□	1.15□	TKF□	97□	YDA 112M4□
	11□	3330□	123.93*□	40000□	1.30□	TKA□	97□	YDA 112M4□
						TKAF □	97□	YDA 112M4□
	14□	2830□	105.13□	40000□	1.50□	TK□	97□	YDA 112M4□
	15□	2600□	96.80□	40000□	1.65□	TKF□	97□	YDA 112M4□
	16□	2330□	86.52□	40000□	1.85□	TKA□	97□	YDA 112M4□
	18□	2100□	77.89*□	40000□	2.1□	TKAF □	97□	YDA 112M4□
	20□	1900□	70.54□	40000□	2.3□			
	12□	3120□	115.82□	26700□	0.85□	TK□	87□	YDA 112M4□
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	18□	2130□	79.34□	27900□	1.25□	TKAF □	87□	YDA 112M4□
	20□	1900□	70.46□	28200□	1.40□	TK□	87□	YDA 112M4□
	23□	1690□	63.00*□	28300□	1.60□	TKF□	87□	YDA 112M4□
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	32□	1180□	44.02□	28300□	2.2□			
	39□	980□	36.52*□	27300□	2.5□			
	22□	1740□	64.75□	13900□	0.90□	TK□	77□	YDA 112M4□
	24□	1570□	58.34□	15200□	1.00□	TKF□	77□	YDA 112M4□
	28□	1380□	51.18□	16500□	1.15□	TKA□	77□	YDA 112M4□
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	35□	1080□	40.04□	18000□	1.45□			
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	52□	735□	27.28□	11000□	1.10□	TKF□	67□	YDA 112M4□
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	74□	520□	19.30□	12300□	1.45□	TK□	67□	YDA 112M4□
	81□	470□	17.54□	12500□	1.55□	TKF□	67□	YDA 112M4□
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	119□	320□	11.92□	5810□	1.30□			
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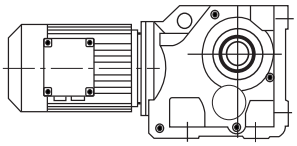
PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	216□	177□	6.57□	5400□	1.95□	TKA□	57□	YDA 112M4□
	303□	126□	4.69□	5070□	2.4□	TKAF □	57□	YDA 112M4
5.5□	0.79□	61300□	1821□	190000□	0.80□	TK□	187 / TRF97□	YDA 132S4□
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	1.0□	46700□	1395□	190000□	1.05□			
	1.2□	40300□	1196□	190000□	1.25□			
	1.4□	35200□	1046□	190000□	1.40□			
	1.5□	31700□	945□	190000□	1.60□			
	1.9□	24800□	738□	190000□	2.0□			
	2.3□	20800□	621□	190000□	2.4□			
	1.3□	37100□	1101□	150000□	0.85□	TK□	167 / TRF97□	YDA 132S4□
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	1.7□	28200□	843□	150000□	1.15□			
	1.9□	25400□	757□	150000□	1.25□			
	2.3□	21300□	632□	150000□	1.50□			
	2.6□	18700□	561□	150000□	1.70□			
	3.0□	16200□	481□	150000□	2.0□			
	3.4□	14100□	423□	150000□	2.3□			
	2.2□	22000□	661□	109900□	0.80□	TK□	157 / TRF97□	YDA 132S4□
	2.5□	19100□	567□	111600□	0.95□	TKF□	157 / TRF97□	YDA 132S4□
	2.8□	17000□	504□	112700□	1.05□	TKA□	157 / TRF97□	YDA 132S4□
	3.3□	14500□	434□	113800□	1.25□	TKAF □	157 / TRF97□	YDA 132S4□
	3.8□	12600□	379□	114500□	1.45□			
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	3.4□	14300□	418□	77400□	0.90□	TK□	127 / TRF87□	YDA 132S4□
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	4.3□	11200□	330□	80100□	1.15□	TKA□	127 / TRF87□	YDA 132S4□
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	5.6□	8540□	253□	81300□	1.50□			
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	7.1□	6830□	200□	81800□	1.75□			
	8.6□	5660□	166□	82100□	2.1□			
	9.8□	4990□	147□	82300□	2.4□			
	6.5□	7540□	222□	65000□	1.05□	TK□	107 / TRF77□	YDA 132S4□
	7.3□	6680□	196□	65000□	1.20□	TKF□	107 / TRF77□	YDA 132S4□
	8.2□	5970□	174□	65000□	1.20□	TKA□	107 / TRF77□	YDA 132S4□
	9.3□	5280□	154□	65000□	1.35□	TKAF □	107 / TRF77□	YDA 132S4□
	10□	4800□	140□	65000□	1.50□			
	4.7□	11100□	150.41□	115000□	1.60□	TK□	157□	YDA 160M8□
	5.8□	9050□	122.39□	115500□	2.0□	TKF□	157□	YDA 160M8□
	7.1□	7410□	100.22□	115900□	2.4□	TKA□	157□	YDA 160M8□
	7.8□	6780□	91.65□	116000□	2.7□	TKAF □	157□	YDA 160M8□
	5.2□	10100□	136.14□	80700□	1.30□	TK□	127□	YDA 160M8□
	5.8□	9060□	122.48□	81100□	1.45□	TKF□	127□	YDA 160M8□
	6.4□	8150□	110.18□	81400□	1.60□	TKA□	127□	YDA 160M8□
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	8.5□	6150□	112.41□	65000□	1.30□	TK□	107□	YDA 132ML6□
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	11□	4980□	90.96*□	65000□	1.60□	TKA□	107□	YDA 132ML6
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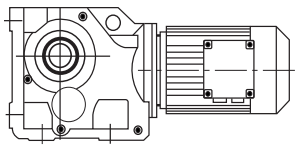

PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	12□	4460□	121.46□	65000□	1.80□	TKF□	107□	YDA 132S4□
	13□	4130□	112.41*□	65000□	1.95□	TKA□	107□	YDA 132S4□
	14□	3700□	100.75□	65000□	2.2□	TKAF □	107□	YDA 132S4□
	16□	3340□	90.96*□	65000□	2.4□			
	17□	3030□	82.61□	65000□	2.6□			
	12□	4550□	123.93*□	40000□	0.95□	TK□	97□	YDA 132S4□
	14□	3860□	105.13□	40000□	1.10□	TKF□	97□	YDA 132S4□
	15□	3560□	96.80□	40000□	1.20□	TKA□	97□	YDA 132S4□
	17□	3180□	86.52□	40000□	1.35□	TKAF □	97□	YDA 132S4□
	18□	2860□	77.89*□	40000□	1.50□	TK□	97□	YDA 132S4□
	20□	2590□	70.54□	40000□	1.65□	TKF□	97□	YDA 132S4□
	23□	2300□	62.55□	40000□	1.85□	TKA□	97□	YDA 132S4□
	25□	2080□	56.55□	39700□	2.1□	TKAF □	97□	YDA 132S4□
	30□	1760□	47.93□	38600□	2.4□			
	17□	3170□	86.34□	26600□	0.85□	TK□	87□	YDA 132S4□
	18□	2910□	79.34□	27000□	0.95□	TKF□	87□	YDA 132S4□
	20□	2590□	70.46□	27400□	1.05□	TKA□	87□	YDA 132S4□
	23□	2310□	63.00*□	27500□	1.15□	TKAF□	87□	YDA 132S4□
	25□	2080□	56.64□	27300□	1.30□			
	29□	1810□	49.16□	26900□	1.50□	TK□	87□	YDA 132S4□
	32□	1620□	44.02□	26500□	1.60□	TKF□	87□	YDA 132S4□
	39□	1340□	36.52*□	25800□	1.85□	TKA□	87□	YDA 132S4□
	46□	1150□	31.39□	25200□	2.3□	TKAF□	87□	YDA 132S4□
	51□	1020□	27.88□	24700□	2.5□			
	32□	1660□	45.16□	14600□	0.95□	TK□	77□	YDA 132S4□
	36□	1470□	40.04□	15900□	1.05□	TKF□	77□	YDA 132S4□
	46□	1130□	30.89□	17800□	1.35□	TKA□	77□	YDA 132S4□
	49□	1070□	29.27□	18000□	1.45□	TKAF□	77□	YDA 132S4□
	56□	940□	25.62□	18500□	1.65□			
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	71□	745□	20.25□	19100□	2.0□	TKF□	77□	YDA 132S4□
	80□	655□	17.87□	19400□	2.2□	TKA□	77□	YDA 132S4□
	90□	580□	15.84□	19200□	2.4□	TKAF □	77□	YDA 132S4□
	106□	495□	13.52□	18600□	2.7□			
	116□	455□	12.36□	17900□	2.2□			
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	60□	880□	24.00□	9720□	0.90□	TK□	67□	YDA 132S4□
	63□	830□	22.66□	10200□	0.95□	TKF□	67□	YDA 132S4□
	74□	710□	19.30□	11200□	1.05□	TKA□	67□	YDA 132S4□
	82□	645□	17.54□	11600□	1.15□	TKAF□	67□	YDA 132S4□
	94□	560□	15.19□	12100□	1.25□			
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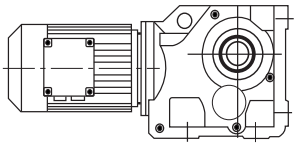
	196□	265□	7.28□	11600□	1.55□			
	275□	191□	5.20□	10800□	1.85□			
7.5□	1.7□	38200□	835□	190000□	1.30□	TK□	187 / TRF107□	YDA 132M4□
	2.0□	33200□	729□	190000□	1.50□	TKH□	187 / TRF107□	YDA 132M4□
	2.3□	28300□	622□	190000□	1.75□			
	1.2□	55200□	1196□	190000□	0.90□	TK□	187 / TRF97□	YDA 132M4□
	1.4□	48200□	1046□	190000□	1.05□	TKH□	187 / TRF97□	YDA 132M4□
	1.5	43500	945□	190000□	1.15□			
	1.9	34000	738□	190000	1.45			

PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	1.7□	38700□	843□	150000□	0.85□	TK□	167 / TRF97□	YDA 132M4□
	1.9□	34900□	757□	150000□	0.90□	TKH□	167 / TRF97□	YDA 132M4□
	2.3□	29200□	632□	150000□	1.10□			
	2.6□	25600□	561□	150000□	1.25□			
	3.0□	22200□	481□	150000□	1.45□			
	3.4□	19400□	423□	150000□	1.65□			
	3.9□	16900□	369□	150000□	1.90□			
	3.3□	19900□	434□	111200□	0.90□	TK□	157 / TRF97□	YDA 132M4□
	3.8□	17400□	379□	112500□	1.05□	TKF□	157 / TRF97□	YDA 132M4□
	4.3□	15300□	333□	113500□	1.20□	TKA□	157 / TRF97□	YDA 132M4□
	4.9□	13300□	291□	114200□	1.35□	TKAF □	157 / TRF97□	YDA 132M4□
	4.3□	15300□	330□	75300□	0.85□	TK□	127 / TRF87□	YDA 132M4□
	5.0□	13200□	287□	79100□	1.00□	TKF□	127 / TRF87□	YDA 132M4□
	5.6□	11700□	253□	79900□	1.10□	TKA□	127 / TRF87□	YDA 132M4□
	6.7□	9830□	213□	80800□	1.30□	TKAF □	127 / TRF87□	YDA 132M4□
	7.1□	9360□	200□	80900□	1.30□			
	8.6□	7750□	166□	81500□	1.55□			
	9.8□	6840□	147□	81800□	1.75□			
	4.4□	16400□	164.50□	150000□	1.95□	TK□	167□	YDA 160L8□
	5.3□	13400□	134.99□	150000□	2.4□	TKH□	167□	YDA 160L8□
	5.8□	12300□	164.50□	150000□	2.6□	TK□	167□	YDA 160M6□
	7.1□	10100□	134.99□	150000□	3.2□	TKH□	167□	YDA 160M6□
	6.4□	11200□	150.41□	114900□	1.60□	TK□	157□	YDA 160M6□
	7.8□	9130□	122.39□	115500□	1.95□	TKF□	157□	YDA 160M6□
	9.6□	7480□	100.22□	115900□	2.4□	TKA□	157□	YDA 160M6□
	10□	6840□	91.65□	116000□	2.6□	TKAF □	157□	YDA 160M6□
	12□	5950□	79.75□	116200□	3.0□			
	7.0□	10200□	136.14□	80600□	1.30□	TK□	127□	YDA 160M6□
	7.8□	9140□	122.48□	81000□	1.40□	TKF□	127□	YDA 160M6□
	8.7□	8220□	110.18□	81400□	1.60□	TKA□	127□	YDA 160M6□
	11□	6710□	89.89□	81900□	1.95□	TKAF □	127□	YDA 160M6□
	9.8□	7320□	146.07□	81700□	1.80□	TK□	127□	YDA 132M4□
	11□	6820□	136.14□	81800□	1.90□	TKF□	127□	YDA 132M4□
	12□	6130□	122.48□	82000□	2.1□	TKA□	127□	YDA 132M4□
	13□	5520□	110.18□	82200□	2.4□	TKAF □	127□	YDA 132M4□
	16□	4500□	89.89□	82400□	2.9□			
	17□	4110□	81.98□	82500□	3.2□			
	20□	3550□	70.95*□	82600□	3.7□			
	10□	7190□	143.47*□	65000□	1.10□	TK□	107□	YDA 132M4□
	12□	6080□	121.46□	65000□	1.30□	TKF□	107□	YDA 132M4□
	13□	5630□	112.41*□	65000□	1.40□	TKA□	107□	YDA 132M4□
						TKAF □	107□	YDA 132M4□
	14□	5050□	100.75□	65000□	1.60□	TK□	107□	YDA 132M4□
	16□	4560□	90.96*□	64200□	1.75□	TKF□	107□	YDA 132M4□
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	20□	3670□	73.30□	61900□	2.2□	TKAF □	107□	YDA 132M4□
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	25□	2860□	57.17*□	59100□	2.8□			
	29□	2500□	49.90□	57500□	3.1□			
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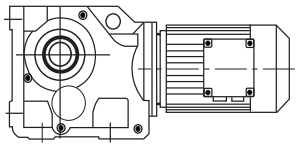
	39	1850	37.00*	53800	3.9			



PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	20□	3530□	70.54□	37900□	1.20□	TKAF□	97□	YDA 132M4□
	23□	3130□	62.55□	37500□	1.35□			
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	30□	2400□	47.93*□	36400□	1.80□	TKF□	97□	YDA 132M4□
	34□	2100□	41.87□	35600□	2.1□	TKA□	97□	YDA 132M4□
	37□	1920□	38.30□	35100□	2.2□	TKAF□	97□	YDA 132M4□
	42□	1710□	34.23□	34400□	2.5□			
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	29□	2460□	49.16□	24200□	1.10□	TKA□	87□	YDA 132M4□
	32□	2200□	44.02□	24200□	1.20□	TKAF□	87□	YDA 132M4□
	39□	1830□	36.52*□	23900□	1.35□			
	46□	1570□	31.39□	23500□	1.70□	TK□	87□	YDA 132M4□
	51□	1400□	27.88□	23200□	1.85□	TKF□	87□	YDA 132M4□
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	74□	970□	19.45□	21900□	2.4□			
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	89□	800□	16.00□	20600□	2.3□			
	99□	725□	14.45□	20700□	2.9□			
	46□	1550□	30.89□	15400□	1.00□	TK□	77□	YDA 132M4□
	49□	1470□	29.27□	16000□	1.05□	TKF□	77□	YDA 132M4□
	56□	1280□	25.62□	17000□	1.20□	TKA□	77□	YDA 132M4□
	62□	1160□	23.08□	17700□	1.35□	TKAF□	77□	YDA 132M4□
	71□	1010□	20.25□	18300□	1.50□			
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	90□	795□	15.84□	18200□	1.75□	TKF□	77□	YDA 132M4□
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	132□	545□	10.84□	16700□	1.80□			
	150□	480□	9.56□	16300□	1.95□			
	169□	425□	8.48□	15900□	2.1□			
	198□	365□	7.24□	15400□	2.3□			
9.2□	1.7□	46700□	835□	190000□	1.05□	TK□	187 / TRF107□	YDA 132ML4□
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	2.7□	29500□	527□	190000□	1.70□			
	4.5□	18000□	318□	150000□	1.80□	TK□	167 / TRF107□	YDA 132ML4□
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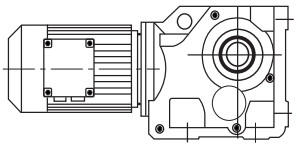
	5.9□	13500□	244□	150000□	2.4□			
	6.8□	11800□	213□	150000□	2.7□			
	7.0□	11500□	206□	150000□	2.8□			
	2.3□	35600□	632□	150000□	0.90□	TK□	167 / TRF97□	YDA 132ML4□
	2.6□	31400□	561□	150000□	1.00□	TKH□	167 / TRF97□	YDA 132ML4□
	3.0□	27100□	481□	150000□	1.20□			
	3.4	23700	423	150000	1.35□			
	3.9	20700	369	150000□	1.55			

PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
9.2□	3.7□	21300□	385□	110400□	0.85□	TK□	157 / TRF107□	YDA 132ML4□
	4.4□	17900□	325□	112300□	1.00□	TKF□	157 / TRF107□	YDA 132ML4□
	4.8□	16600□	299□	112800□	1.10□	TKA□	157 / TRF107□	YDA 132ML4□
	5.7□	14100□	253□	114000□	1.30□	TKAF □	157 / TRF107□	YDA 132ML4□
	6.2□	12600□	230□	114500□	1.40□			
	3.8□	21200□	379□	110400□	0.85□	TK□	157 / TRF97□	YDA 132ML4□
	4.3□	18700□	333□	111800□	0.95□	TKF□	157 / TRF97□	YDA 132ML4□
	5.0□	16300□	291□	113000□	1.10□	TKA□	157 / TRF97□	YDA 132ML4□
						TKAF □	157 / TRF97□	YDA 132ML4□
	5.7□	14300□	253□	77400□	0.90□	TK□	127 / TRF87□	YDA 132ML4□
	6.8□	12000□	213□	79700□	1.10□	TKF□	127 / TRF87□	YDA 132ML4□
	7.2□	11400□	200□	80000□	1.05□	TKA□	127 / TRF87□	YDA 132ML4□
	8.7□	9460□	166□	80900□	1.25□	TKAF □	127 / TRF87□	YDA 132ML4□
	9.8□	8350□	147□	81300□	1.45□			
	11□	8310□	136.14□	81300□	1.55□	TK□	127□	YDA 132ML4□
	12□	7470□	122.48□	81600□	1.75□	TKF□	127□	YDA 132ML4□
	13□	6720□	110.18□	81900□	1.95□	TKA□	127□	YDA 132ML4□
	16□	5480□	89.89□	82200□	2.4□	TKAF □	127□	YDA 132ML4□
	18□	5000□	81.98□	82300□	2.6□			
	13□	6860□	112.41*□	62400□	1.15□	TK□	107□	YDA 132ML4□
	14□	6150□	100.75□	61800□	1.30□	TKF□	107□	YDA 132ML4□
	16□	5550□	90.96*□	61100□	1.45□	TKA□	107□	YDA 132ML4□
						TKAF □	107□	YDA 132ML4□
	17□	5040□	82.61□	60400□	1.60□	TK□	107□	YDA 132ML4□
	20□	4470□	73.30□	59400□	1.80□	TKF□	107□	YDA 132ML4□
	22□	4060□	66.52*□	58600□	1.95□	TKA□	107□	YDA 132ML4□
	25□	3490□	57.17*□	57100□	2.3□	TKAF □	107□	YDA 132ML4□
	29□	3040□	49.90□	55700□	2.6□			
	34□	2580□	42.33`□	54000□	2.9□			
	18□	4750□	77.89*□	35100□	0.90□	TK□	97□	YDA 132ML4□
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	25□	3450□	56.55□	34900□	1.25□	TKAF □	97□	YDA 132ML4□
	30□	2920□	47.93*□	34400□	1.45□	TK□	97□	YDA 132ML4□
	34□	2550□	41.87□	34000□	1.70□	TKF□	97□	YDA 132ML4□
	38□	2340□	38.30□	33600□	1.85□	TKA□	97□	YDA 132ML4□
	42□	2090□	34.23□	33100□	2.1□	TKAF□	97□	YDA 132ML4□
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	29□	3000□	49.16□	22000□	0.90□	TK□	87□	YDA 132ML4□
	33□	2690□	44.02□	22200□	0.95□	TKF□	87□	YDA 132ML4□
	39□	2230□	36.52*□	22200□	1.10□	TKA□	87□	YDA 132ML4□
	46□	1910□	31.39□	22100□	1.40□	TKAF □	87□	YDA 132ML4□
	52□	1700□	27.88□	21900□	1.55□	TK□	87□	YDA 132ML4□
	58□	1520□	24.92□	21700□	1.65□	TKF□	87□	YDA 132ML4□
	64□	1370□	22.41□	21400□	1.70□	TKA□	87□	YDA 132ML4□
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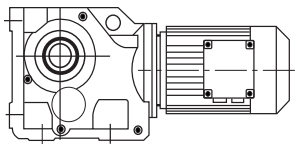
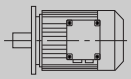
	83□	1060□	17.42□	20700□	2.1□			
	90□	980□	16.00□	19700□	1.85□			
	100□	880□	14.45□	20000□	2.4□			
	115□	765□	12.56□	19500□	2.6□			
	129	680	11.17	18600	2.2□			
	144	610	10.00	18200	2.5			



PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	71□	1240□	20.25□	17300□	1.20□	TKF□	77□	YDA 132ML4□
	81□	1090□	17.87□	17600□	1.35□	TKA□	77□	YDA 132ML4□
	91□	970□	15.84□	17400□	1.45□	TKAF □	77□	YDA 132ML4□
	107□	820□	13.52□	17000□	1.60□	TK□	77□	YDA 132ML4□
	117□	755□	12.36□	16300□	1.35□	TKF□	77□	YDA 132ML4□
	133□	660□	10.84□	16000□	1.50□	TKA□	77□	YDA 132ML4□
	151□	585□	9.56□	15700□	1.60□	TKAF □	77□	YDA 132ML4□
	170□	515□	8.48□	15400□	1.70□			
	199□	440□	7.24□	14900□	1.85□			
11.0□	1.7□	56000□	835□	190000□	0.90□	TK□	187 / TRF107□	YDT 160M4□
	2.0□	48700□	729□	190000□	1.05□	TKH□	187 / TRF107□	YDT 160M4□
	2.3□	41600□	622□	190000□	1.20□			
	2.8□	35200□	520□	190000□	1.40□			
	3.2□	30700□	454□	190000□	1.65□			
	4.0□	23700□	355□	190000□	2.1□			
	1.9□	49800□	738□	190000□	1.00□	TK□	187 / TRF97□	YDT 160M4□
	2.3□	41800□	621□	190000□	1.20□	TKH□	187 / TRF97□	YDT 160M4□
	2.7□	35400□	527□	190000□	1.40□			
	4.5□	21500□	318□	150000□	1.50□	TK□	167 / TRF107□	YDT 160M4□
	5.2□	18800□	278□	150000□	1.70□	TKH□	167 / TRF107□	YDT 160M4□
	5.9□	16200□	244□	150000□	1.95□			
	6.8□	14200□	213□	150000□	2.3□			
	7.0□	13800□	206□	150000□	2.3□			
	2.6□	37600□	561□	150000□	0.85□	TK□	167 / TRF97□	YDT 160M4□
	3.0□	32400□	481□	150000□	1.00□	TKH□	167 / TRF97□	YDT 160M4□
	3.4□	28400□	423□	150000□	1.15□			
	3.9□	24800□	369□	150000□	1.30□			
	4.3□	22400□	333□	109700□	0.80□	TK□	157 / TRF97□	YDT 160M4□
	5.0□	19500□	291□	111400□	0.90□	TKF□	157 / TRF97□	YDT 160M4□
						TKA□	157 / TRF97□	YDT 160M4□
						TKAF □	157 / TRF97□	YDT 160M4□
	6.8□	14400□	213□	77200□	0.90□	TK□	127 / TRF87□	YDT 160M4□
	7.2□	13700□	200□	78600□	0.90□	TKF□	127 / TRF87□	YDT 160M4□
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	7.1□	14800□	134.99□	150000□	2.2□	TKH□	167□	YDT 160L6□
	8.8□	12000□	164.50□	150000□	2.7□	TK□	167□	YDT 160M4□
	11□	9850□	134.99□	150000□	3.3□	TKH□	167□	YDT 160M4□
	5.9□	17900□	122.39□	112300□	1.00□	TK□	157□	YDA 180L8□
	7.2□	14600□	100.22□	113700□	1.25□	TKF□	157□	YDA 180L8□
	7.9□	13400□	91.65□	114200□	1.35□	TKA□	157□	YDA 180L8□
	9.0□	11600□	79.75□	114800□	1.55□	TKAF □	157□	YDA 180L8□
	6.4□	16500□	150.41□	112900□	1.10□	TK□	157□	YDT 160L6□
	7.8□	13400□	122.39□	114200□	1.35□	TKF□	157□	YDT 160L6□
	9.6□	11000□	100.22□	115000□	1.65□	TKA□	157□	YDT 160L6□
	10□	10000□	91.65□	115300□	1.80□	TKAF □	157□	YDT 160L6□
	12□	8730□	79.75□	115600□	2.1□			
	9.6□	11000□	150.41□	115000□	1.65□	TK□	157□	YDT 160M4□
	12□	8930□	122.39□	115600□	2.0□	TKF□	157□	YDT 160M4□
	14□	7310□	100.22□	115900□	2.5□	TKA□	157□	YDT 160M4
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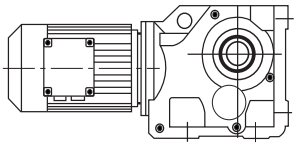
PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	12□	8930□	122.48□	81100□	1.45□	TKF□	127□	YDT 160M4□
	13□	8040□	110.18□	81400□	1.60□	TKA□	127□	YDT 160M4□
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	18□	5980□	81.98□	82100□	2.2□			
	20□	5180□	70.95*□	82300□	2.5□			
	13□	8200□	112.41*□	58400□	1.00□	TK□	107□	YDT 160M4□
	14□	7350□	100.75□	58300□	1.10□	TKF□	107□	YDT 160M4□
	16□	6630□	90.96*□	58000□	1.20□	TKA□	107□	YDT 160M4□
	17□	6030□	82.61□	57500□	1.35□	TKAF □	107□	YDT 160M4□
	20□	5350□	73.30□	56900□	1.50□	TK□	107□	YDT 160M4□
	22□	4850□	66.52*□	56200□	1.65□	TKF□	107□	YDT 160M4□
	25□	4170□	57.17*□	55100□	1.90□	TKA□	107□	YDT 160M4□
	29□	3640□	49.90□	54000□	2.2□	TKAF □	107□	YDT 160M4□
	34□	3090□	42.33*□	52500□	2.4□			
	39□	2700□	37.00*□	51200□	2.7□			
	20□	5150□	70.54□	32200□	0.85□	TK□	97□	YDT 160M4□
	23□	4560□	62.55□	32500□	0.95□	TKF□	97□	YDT 160M4□
	25□	4130□	56.55□	32500□	1.05□	TKA□	97□	YDT 160M4□
	30□	3500□	47.93*□	32500□	1.25□	TKAF □	97□	YDT 160M4□
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	42□	2500□	34.23□	31600□	1.70□	TKA□	97□	YDT 160M4□
	47□	2250□	30.82□	31300□	1.90□	TKAF □	97□	YDT 160M4□
	52□	2040□	27.91□	30800□	2.1□			
	58□	1800□	24.75□	30300□	2.4□			
	64□	1630□	22.37□	29800□	2.6□			
	33□	3210□	44.02□	20000□	0.80□	TK□	87□	YDT 160M4□
	39□	2660□	36.52*□	20400□	0.95□	TKF□	87□	YDT 160M4□
	46□	. 2290□	31.39□	20600□	1.20□	TKA□	87□	YDT 160M4□
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	58□	1820□	24.92□	20500□	1.40□			
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	90□	1170□	16.00□	18800□	1.55□	TKAF□	87□	YDT 160M4□
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	115□	920□	12.56□	18900□	2.2□			
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	200□	525□	7.21□	16700□	2.5□			
	62□	1680□	23.08□	14400□	0.90□	TK□	77□	YDT 160M4□
	71□	1480□	20.25□	15900□	1.00□	TKF□	77□	YDT 160M4□
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	107□	990□	13.52□	16300□	1.35□			
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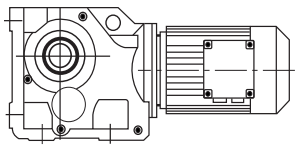
	199□	530□	7.24□	14500□	1.55□			
15.0□	2.4□	56200□	622□	190000□	0.90□	TK□	187 / TRF107□	YDT 160L4□
	2.8□	47600□	520□	190000□	1.05□	TKH□	187 / TRF107□	YDT 160L4□
	3.2□	41400□	454□	190000□	1.20□			
	4.1	32000	355□	190000	1.55□			
	5.6	23800	261	190000	2.1			



PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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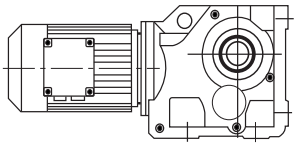
	5.3□	25300□	278□	150000□	1.25□	TKH□	167 / TRF107□	YDT 160L4□
	6.0□	22000□	244□	150000□	1.45□			
	6.9□	19200□	213□	150000□	1.65□			
	7.1□	18700□	206□	150000□	1.70□			
	8.1□	16100□	180□	150000□	2.0□			
	9.2□	14600□	160□	150000□	2.2□			
	6.3□	20600□	230□	110800□	0.85□	TK□	157 / TRF107□	YDT 160L4□
	6.9□	19400□	213□	111500□	0.95□	TKF□	157 / TRF107□	YDT 160L4□
	7.8□	16700□	187□	112800□	1.05□	TKA□	157 / TRF107□	YDT 160L4□
	9.3□	14200□	157□	113900□	1.25□	TKAF □	157 / TRF107□	YDT 160L4□
	12□	11100□	122□	115000□	1.60□			
	14□	9710□	107□	115400□	1.85□			
	5.4□	26600□	179.86□	190000□	1.90□	TK□	187□	YDT 180L6□
	5.9□	24400□	165.21□	190000□	2.1□	TKH□	187□	YDT 180L6□
	7.2□	19900□	134.99□	150000□	1.60□	TK□	167□	YDT 180L6□
	8.8□	16200□	109.83□	150000□	1.95□	TKH□	167□	YDT 180L6□
	8.9□	16100□	164.50□	150000□	2.0□	TK□	167□	YDT 160L4□
	11□	13200□	134.99□	150000□	2.4□	TKH□	167□	YDT 160L4□
	7.9□	18100□	122.39□	112200□	1.00□	TK□	157□	YDT 180L6□
	9.7□	14800□	100.22□	113700□	1.20□	TKF□	157□	YDT 180L6□
	11□	13500□	91.65□	114100□	1.35□	TKA□	157□	YDT 180L6□
	12□	11800□	79.75□	114800□	1.55□	TKAF □	157□	YDT 180L6□
	14□	10400□	70.38□	115200□	1.75□			
	9.7□	14800□	150.41□	113700□	1.20□	TK□	157□	YDT 160L4□
	12□	12000□	122.39□	114700□	1.50□	TKF□	157□	YDT 160L4□
	15□	9830□	100.22□	114200□	1.85□	TKA□	157□	YDT 160L4□
	16□	8990□	91.65□	112500□	2.0□	TKAF □	157□	YDT 160L4□
	18□	7820□	79.75□	109600□	2.3□			
	11□	13400□	136.14□	79000□	0.95□	TK□	127□	YDT 160L4□
	12□	12000□	122.48□	79700□	1.10□	TKF□	127□	YDT 160L4□
	13□	10800□	110.18□	80300□	1.20□	TKA□	127□	YDT 160L4□
						TKAF □	127□	YDT 160L4□
	16□	8820□	89.89□	81200□	1.45□	TK□	127□	YDT 160L4□
	18□	8040□	81.98□	81400□	1.60□	TKF□	127□	YDT 160L4□
	21□	6960□	70.95*□	81600□	1.85□	TKA□	127□	YDT 160L4□
	23□	6140□	62.60□	80000□	2.1□	TKAF □	127□	YDT 160L4□
	27□	5300□	54.07□	78000□	2.5□			
	31□	4690□	47.82□	76200□	2.8□			
	16□	8920□	90.96*□	50900□	0.90□	TK□	107□	YDT 160L4□
	18□	8110□	82.61□	51100□	1.00□	TKF□	107□	YDT 160L4□
	20□	7190□	73.30□	51200□	1.10□	TKA□	107□	YDT 160L4□
	22□	6530□	66.52"□	51000□	1.25□	TKAF □	107□	YDT 160L4□
	26□	5610□	57.17*□	50600□	1.45□	TK□	107□	YDT 160L4□
	29□	4900□	49.90□	50000□	1.60□	TKF□	107□	YDT 160L4□
	34□	4150□	42.33*□	49100□	1.75□	TKA□	107□	YDT 160L4□
	39□	3630□	37.00*□	48200□	2.0□	TKAF □	107□	YDT 160L4□
	45□	3210□	32.69□	47300□	2.3□			
	47□	3070□	31.28*□	47000□	2.2□			
	50□	2840□	29.00□	46400□	2.5□			
	30□	4700□	47.93"□	28100□	0.90□	TK□	97□	YDT 160L4□
	35□	4110□	41.87□	28400□	1.05□	TKF□	97□	YDT 160L4□
	38□	3760□	38.30□	28500□	1.15□	TKA□	97□	YDT 160L4□
	43□	3360□	34.23□	28500	1.30	TKAF	97□	YDT 160L4
	47	3020□	30.82	28400	1.40			

PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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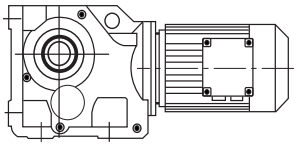
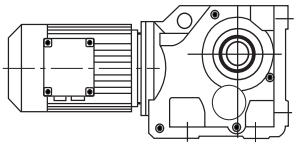
	59□	2430□	24.75□	28000□	1.75□	TKF□	97□	YDT 160L4□
	65□	2190□	22.37□	27700□	1.95□	TKA□	97□	YDT 160L4□
	77□	1860□	18.96□	27200□	2.3□	TKAF□	97□	YDT 160L4□
	88□	1620□	16.56□	26600□	2.7□			
	47□	3080□	31.39□	17300□	0.90□	TK□	87□	YDT 160L4□
	52□	2730□	27.88□	17600□	0.95□	TKF□	87□	YDT 160L4□
	59□	2440□	24.92□	17800□	1.00□	TKA□	87□	YDT 160L4□
	65□	2200□	22.41□	18000□	1.05□	TKAF□	87□	YDT 160L4□
	75□	1910□	19.45□	18000□	1.20□			
	84□	1710□	17.42□	18000□	1.30□			
	91□	1570□	16.00□	16800□	1.15□	TK□	87□	YDT 160L4□
	101□	1420□	14.45□	17800□	1.50□	TKF□	87□	YDT 160L4□
	116□	1230□	12.56□	17600□	1.60□	TKA□	87□	YDT 160L4□
	131□	1100□	11.17□	16600□	1.35□	TKAF□	87□	YDT 160L4□
	146□	980□	10.00□	16400□	1.55□			
	176□	810□	8.29□	16000□	1.70□			
	202□	705□	7.21□	15700□	1.85□			
18.5□	2.8□	58600□	520□	190000□	0.85□	TK□	187 / TRF107□	YDT 180M4□
	3.2□	51100□	454□	190000□	1.00□	TKH□	187 / TRF107□	YDT 180M4□
	4.1□	39500□	355□	190000□	1.25□			
	5.6□	29400□	261□	190000□	1.70□			
	6.6□	24800□	221□	190000□	2.0□			
	4.6□	35800□	318□	150000□	0.90□	TK□	167 / TRF107□	YDT 180M4□
	5.3□	31200□	278□	150000□	1.00□	TKH□	167 / TRF107□	YDT 180M4□
	6.0□	27100□	244□	150000□	1.20□			
	6.9□	23600□	213□	150000□	1.35□			
	7.1□	23000□	206□	150000□	1.40□			
	8.1□	19900□	180□	150000□	1.60□			
	9.2□	18000□	160□	150000□	1.80□			
	11□	15200□	135□	150000□	2.1□			
	12□	13200□	118□	150000□	2.4□			
	7.8□	20700□	187□	110700□	0.85□	TK□	157 / TRF107□	YDT 180M4□
	9.3□	17500□	157□	112400□	1.05□	TKF□	157 / TRF107□	YDT 180M4□
	12□	13700□	122□	113900□	1.30□	TKA□	157 / TRF107□	YDT 180M4□
	14□	12000□	107□	112000□	1.50□	TKAF □	157 / TRF107□	YDT 180M4□
	5.4□	32800□	179.86□	190000□	1.55□	TK□	187□	YDT 200LS6□
	5.9□	30100□	165.21□	190000□	1.65□	TKH□	187□	YDT 200LS6□
	6.7□	26300□	144.59□	190000□	1.90□			
	7.5□	23600□	129.69□	190000□	2.1□			
	8.2□	21700□	179.86□	190000□	2.3□	TK□	187□	YDT 180M4□
	8.9□	19900□	165.21□	190000□	2.5□	TKH□	187□	YDT 180M4□
	10□	17400□	144.59□	190000□	2.9□			
	11□	15600□	129.69□	190000□	3.2□			
	11□	16300□	134.99□	150000□	1.95□	TK□	167□	YDT 180M4□
	13□	13200□	109.83□	150000□	2.4□	TKH□	167□	YDT 180M4□
	17□	10600□	87.86□	150000□	3.0□			
	9.7□	18300□	100.22□	112100□	1.00□	TK□	157□	YDT 200LS6□
	11□	16700□	91.65□	112800□	1.10□	TKF□	157□	YDT 200LS6□
	12□	14500□	79.75□	111500□	1.25□	TKA□	157□	YDT 200LS6□
	14□	12800□	70.38□	109900□	1.40□	TKAF □	157□	YDT 200LS6□
	12□	14800□	122.39□	111600□	1.20□	TK□	157□	YDT 180M4□
	15□	12100□	100.22□	109100□	1.50□	TKF□	157□	YDT 180M4□
	16□	11100□	91.65□	107800□	1.65□	TKA□	157□	YDT 180M4□
	18□	9620□	79.75□	105600	1.85	TKAF	157	YDT 180M4
	21	8490	70.38	103400□	2.1			



PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
18.5□	24□	7360□	61.02□	100700□	2.5□	TK□	157□	YDT 180M4□
	27□	6550□	54.29□	98500□	2.8□	TKF□	157□	YDT 180M4□
	31□	5640□	46.79□	95500□	3.2□	TKA□	157□	YDT 180M4□
	39□	4580□	38.02□	91300□	3.9□	TKAF □	157□	YDT 180M4□
	13□	13300□	110.18□	79000□	1.00□	TK□	127□	YDT 180M4□
	16□	10800□	89.89□	79000□	1.20□	TKF□	127□	YDT 180M4□
	18□	9890□	81.98□	78500□	1.30□	TKA□	127□	YDT 180M4□
						TKAF □	127□	YDT 180M4□
	21□	8560□	70.95*□	77500□	1.50□	TK□	127□	YDT 180M4□
	23□	7550□	62.60□	76400□	1.70□	TKF□	127□	YDT 180M4□
	27□	6520□	54.07□	74800□	2.0□	TKA□	127□	YDT 180M4□
	31□	5770□	47.82□	73400□	2.3□	TKAF □	127□	YDT 180M4□
	36□	4850□	40.19□	71300□	2.7□			
	40□	4370□	36.25□	69900□	3.0□			
	47□	3780□	31.37□	68000□	3.4□			
	53□	3340□	27.68□	66200□	3.9□			
	20□	8840□	73.30□	46300□	0.90□	TK□	107□	YDT 180M4□
	22□	8020□	66.52*□	46600□	1.00□	TKF□	107□	YDT 180M4□
	26□	6890□	57.17*□	46800□	1.15□	TKA□	107□	YDT 180M4□
	29□	6020□	49.90□	46700□	1.30□	TKAF □	107□	YDT 180M4□
	35□	5100□	42.33*□	46300□	1.45□	TK□	107□	YDT 180M4□
	40□	4460□	37.00*□	45700□	1.60□	TKF□	107□	YDT 180M4□
	45□	3940□	32.69□	45100□	1.85□	TKA□	107□	YDT 180M4□
	47□	3770□	31.28*□	44900□	1.80□	TKAF □	107□	YDT 180M4□
	51□	3500□	29.00□	44400□	2.1□			
	56□	3170□	26.32□	43800□	2.3□			
	65□	2730□	22.62□	42700□	2.6□			
	74□	2380□	19.74□	41700□	3.0□			
	88□	2020□	16.75□	40400□	3.5□			
	35□	5050□	41.87□	25100□	0.85□	TK□	97□	YDT 180M4□
	48□	3720□	30.82□	26000□	1.15□	TKF□	97□	YDT 180M4□
	53□	3360□	27.91□	26000□	1.30□	TKA□	97□	YDT 180M4□
	59□	2980□	24.75□	26000□	1.45□	TKAF □	97□	YDT 180M4□
	65□	2700□	22.37□	25900□	1.60□	TK□	97□	YDT 180M4□
	77□	2290□	18.96□	25700□	1.90□	TKF□	97□	YDT 180M4□
	88□	2000□	16.56□	25300□	2.2□	TKA□	97□	YDT 180M4□
	106□	1670□	13.85□	24800□	2.6□	TKAF □	97□	YDT 180M4□
	122□	1450□	11.99□	24300□	2.7□			
	59□	3000□	24.92□	15600□	0.85□	TK□	87□	YDT 180M4□
	65□	2700□	22.41□	15900□	0.85□	TKF□	87□	YDT 180M4□
	75□	2340□	19.45□	16200□	1.00□	TKA□	87□	YDT 180M4□
	84□	2100□	17.42□	16400□	1.05□	TKAF □	87□	YDT 180M4□
	101□	1740□	14.45□	16500□	1.20□			
	117□	1510□	12.56□	16400□	1.30□			
	131□	1350□	11.17□	15400□	1.10□			
	147□	1210□	10.00□	15300□	1.25□			
	177□	1000□	8.29□	15100□	1.40□			
	203□	870□	7.21□	14900□	1.50□			
22□	3.2□	60800□	454□	190000□	0.80□	TK□	187 / TRF107□	YDT 180L4□
	4.1□	47100□	355□	190000□	1.05□	TKH□	187 / TRF107□	YDT 180L4□
	5.6□	35000□	261□	190000□	1.45□			
	6.6□	29600□	221□	190000□	1.70□			
	7.6□	25800□	193□	190000□	1.95□			
	9.0□	21800□	163□	190000□	2.3□			
	5.3□	37200□	278□	150000□	0.85□	TK□	167 / TRF107□	YDT 180L4□
	6.0	32300	244	150000	1.00	TKH□	167 / TRF107	YDT 180L4

PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
22□	6.9□	28200□	213□	150000□	1.15□	TK□	167 / TRF107□	YDT 180L4□
	7.1□	27500□	206□	150000□	1.15□	TKH□	167 / TRF107□	YDT 180L4□
	8.1□	23800□	180□	150000□	1.35□			
	9.2□	21400□	160□	150000□	1.50□			
	11□	18100□	135□	150000□	1.75□			
	12□	15800□	118□	150000□	2.0□			
	9.3□	20900□	157□	109400□	0.85□	TK□	157 / TRF107□	YDT 180L4□
	12□	16400□	122□	108100□	1.10□	TKF□	157 / TRF107□	YDT 180L4□
	14□	14300□	107□	107000□	1.25□	TKA□	157 / TRF107□	YDT 180L4□
						TKAF □	157 / TRF107□	YDT 180L4□
	5.4□	39000□	179.86□	190000□	1.30□	TK□	187□	YDT 200L6□
	5.9□	35800□	165.21□	190000□	1.40□	TKH□	187□	YDT 200L6□
	6.7□	31300□	144.59□	190000□	1.60□			
	7.5□	28100□	129.69□	190000□	1.80□			
	8.6□	24400□	112.60□	190000□	2.1□			
	8.2□	25800□	179.86□	190000□	1.95□	TK□	187□	YDT 180L4□
	8.9□	23700□	165.21□	190000□	2.1□	TKH□	187□	YDT 180L4□
	10□	20700□	144.59□	190000□	2.4□			
	11□	18600□	129.69□	190000□	2.7□			
	11□	19400□	134.99□	150000□	1.65□	TK□	167□	YDT 180L4□
	13□	15700□	109.83□	150000□	2.0□	TKH□	167□	YDT 180L4□
	17□	12600□	87.86□	150000□	2.5□			
	19□	11200□	78.14□	150000□	2.9□			
	9.7□	21700□	100.22□	105900□	0.85□	TK□	157□	YDT 200L6□
	11□	19900□	91.65□	105900□	0.90□	TKF□	157□	YDT 200L6□
	12□	17300□	79.75□	105500□	1.05□	TKA□	157□	YDT 200L6□
	14□	15200□	70.38□	104600□	1.20□	TKAF □	157□	YDT 200L6□
	16□	13200□	61.02□	103300□	1.35□			
	12□	17600□	122.39□	105500□	1.05□	TK□	157□	YDT 180L4□
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	16□	13100□	91.65□	103200□	1.35□	TKA□	157□	YDT 180L4□
	18□	11400□	79.75□	101600□	1.55□	TKAF □	157□	YDT 180L4□
	21□	10100□	70.38□	99800□	1.80□			
	24□	8750□	61.02□	97700□	2.1□			
	27□	7790□	54.29□	95800□	2.3□			
	31□	6710□	46.79□	93200□	2.7□			
	39□	5450□	38.02□	89400□	3.3□			
	16□	12900□	89.89□	73900□	1.00□	TK□	127□	YDT 180L4□
	18□	11800□	81.98□	73800□	1.10□	TKF□	127□	YDT 180L4□
	21□	10200□	70.95*□	73400□	1.30□	TKA□	127□	YDT 180L4□
	23□	8980□	62.60□	72800□	1.45□	TKAF □	127□	YDT 180L4□
	27□	7750□	54.07□	71700□	1.70□	TK□	127□	YDT 180L4□
	31□	6860□	47.82□	70700□	1.90□	TKF□	127□	YDT 180L4□
	36□	5760□	40.19□	69000□	2.3□	TKA□	127□	YDT 180L4□
	40□	5200□	36.25□	67800□	2.5□	TKAF □	127□	YDT 180L4□
	47□	4500□	31.37□	66200□	2.9□			
	53□	3970□	27.68□	64600□	3.3□			
	61□	3430□	23.91□	62800□	3.8□			
	69□	3030□	21.15□	61200□	4.3□			
	26□	8200□	57.17*□	43000□	1.00□	TK□	107□	Y 180L4□
	29□	7160□	49.90□	43300□	1.10□	TKF□	107□	Y 180L4□
	35□	6070□	42.33*□	43400□	1.20□	TKA□	107□	Y 180L4□
						TKAF □	107□	Y 180L4□
	40□	5310□	37.00`□	43200□	1.35□	TK□	107□	Y 180L4□
	45□	4690□	32.69□	42900□	1.55□	TKF□	107□	Y 180L4□
	47□	4490□	31.28*□	42800□	1.50□	TKA□	107	Y 180L4
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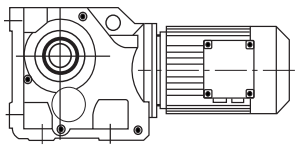

PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	65□	3240□	22.62□	41200□	2.2□	TKF□	107□	YDT 180L4□
	74□	2830□	19.74□	40400□	2.5□	TKA□	107□	YDT 180L4□
	88□	2400□	16.75□	39300□	2.9□	TKAF □	107□	YDT 180L4□
	100□	2100□	14.64□	38400□	3.3□			
	109□	1930□	13.43□	36800□	2.2□			
	125□	1680□	11.73□	35900□	2.6□			
	147□	1430□	9.94□	34800□	2.9□			
	48□	4420□	30.82□	23500□	0.95□	TK□	97□	YDT 180L4□
	53□	4000□	27.91□	23800□	1.05□	TKF□	97□	YDT 180L4□
	59□	3550□	24.75□	24100□	1.20□	TKA□	97□	YDT 180L4□
	65□	3210□	22.37□	24200□	1.35□	TKAF □	97□	YDT 180L4□
	77□	2720□	18.96□	24100□	1.60□	TK□	97□	YDT 180L4□
	88□	2370□	16.56□	24000□	1.80□	TKF□	97□	YDT 180L4□
	106□	1990□	13.85□	23700□	2.2□	TKA□	97□	YDT 180L4□
	122□	1720□	11.99□	23300□	2.3□	TKAF □	97□	YDT 180L4□
	141□	1490□	10.41□	21800□	1.9□			
	168□	1250□	8.71□	21300□	2.1□			
	75□	2790□	19.45□	14400□	0.80□	TK□	87□	YDT 180L4□
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	117□	1800□	12.56□	15300□	1.10□	TKAF □	87□	YDT 180L4□
	131□	1600□	11.17□	14200□	0.95□			
	147□	1430□	10□	14200□	1.05□			
	177□	1190□	8.29□	14300□	1.20□			
	203□	1030□	7.21□	14200□	1.25□			
30□	5.6□	47700□	261□	190000□	1.05□	TK□	187 / TRF107□	YDT 200L4□
	6.6□	40400□	221□	190000□	1.25□	TKH□	187 / TRF107□	YDT 200L4□
	7.6□	35200□	193□	190000□	1.40□			
	9.0□	29700□	163□	190000□	1.70□			
	6.9□	38400□	213□	150000□	0.85□	TK□	167 / TRF107□	YDT 200L4□
	7.1□	37500□	206□	150000□	0.85□	TKH□	167 / TRF107□	YDT 200L4□
	8.2□	32400□	180□	150000□	1.00□			
	9.2□	29100□	160□	150000□	1.10□			
	11□	24700□	135□	150000□	1.30□			
	12□	21500□	118□	150000□	1.50□			
	8.2□	35100□	179.86□	190000□	1.45□	TK□	187□	YDT 200L4□
	8.9□	32200□	165.21□	190000□	1.55□	TKH□	187□	YDT 200L4□
	10□	28200□	144.59□	190000□	1.75□			
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	13□	21900□	112.60□	190000□	2.3□			
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	17□	17200□	88.00□	190000□	2.9□			
	13□	21400□	109.83□	150000□	1.50□	TK□	167□	YDT 200L4□
	17□	17100□	87.86□	150000□	1.85□	TKH□	167□	YDT 200L4□
	19□	15200□	78.14□	150000□	2.1□			
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	24□	11800□	60.74□	150000□	2.7□			
	15□	19500□	100.22□	92700□	0.90□	TK□	157□	YDT 200L4□
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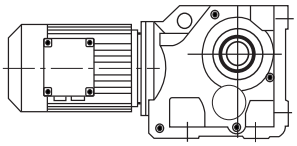
	18□	15500□	79.75□	92400□	1.15□	TKA□	157□	YDT 200L4□
	21□	13700□	70.38□	91800□	1.30□	TKAF □	157□	YDT 200L4□
	24□	11900□	61.02□	90700□	1.50□			
	27□	10600□	54.29□	89500□	1.70□			
	31□	9120□	46.79□	87800□	1.95□			
	39	7410	38.02	85100	2.4□			
	47	6100	31.30	82200	3.0			

PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	23□	12200□	62.60□	64600□	1.05□	TKF□	127	YDT 200L4□
	27□	10500□	54.07□	64700□	1.25□	TKA□	127	YDT 200L4□
	31□	9320□	47.82□	64400□	1.40□	TKAF □	127	YDT 200L4□
	37□	7830□	40.19□	63700□	1.65□			
	41□	7060□	36.25□	63100□	1.85□			
	47□	6110□	31.37□	62000□	2.1□			
	53□	5390□	27.68□	61000□	2.4□			
	62□	4660□	23.91□	59600□	2.8□			
	35□	8250□	42.33□	36100□	0.90□	TK□	107	YDT 200L4□
	40□	7210□	37.00"□	37600□	1.00□	TKF□	107	YDT 200L4□
	47□	6100□	31.28*□	38000□	1.10□	TKA□	107	YDT 200L4□
						TKAF □	107	YDT 200L4□
	51□	5650□	29.00□	38000□	1.25□	TK□	107	YDT 200L4□
	56□	5130□	26.32□	38000□	1.40□	TKF□	107	YDT 200L4□
	65□	4410□	22.62□	37700□	1.65□	TKA□	107	YDT 200L4□
	74□	3850□	19.74□	37400□	1.85□	TKAF □	107	YDT 200L4□
	88□	3260□	16.75□	36700□	2.2□			
	100□	2850□	14.64□	36100□	2.4□			
	109□	2620□	13.43□	34400□	1.65□			
	125□	2280□	11.73□	33800□	1.90□			
	148□	1940□	9.94□	33000□	2.2□			
	169□	1690□	8.69□	32200□	2.4□			
	59□	4820□	24.75□	19600□	0.90□	TK□	97	YDT 200L4□
	66□	4360□	22.37□	20100□	1.00□	TKF□	97	YDT 200L4□
	78□	3690□	18.96□	20700□	1.15□	TKA□	97	YDT 200L4□
	89□	3230□	16.56□	21000□	1.35□	TKAF □	97	YDT 200L4□
	106□	2700□	13.85□	21200□	1.60□			
	123□	2340□	11.99□	21100□	1.65□			
	141□	2030□	10.41□	19500□	1.40□			
	169□	1700□	8.71□	19400□	1.55□			
37□	5.6□	58800□	261□	190000□	0.85□	TK□	187 / TRF107	YDT 225S4□
	6.6□	49900□	221□	190000□	1.00□	TKH□	187 / TRF107	YDT 225S4□
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	9.0□	36700□	163□	190000□	1.35□			
	8.2□	40100□	180□	150000□	0.80□	TK□	167 / TRF107	YDT 225S4□
	9.2□	36000□	160□	150000□	0.90□	TKH□	167 / TRF107	YDT 225S4□
	11□	30500□	135□	150000□	1.05□			
	12□	26600□	118□	150000□	1.20□			
	8.2□	43200□	179.86□	190000□	1.15□	TK□	187	YDT 225S4□
	8.9□	39700□	165.21□	190000□	1.25□	TKH□	187	YDT 225S4□
	10□	34800□	144.59□	190000□	1.45□			
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	13□	26400□	109.83□	150000□	1.20□	TK□	167	YDT 225S4□
	17□	21100□	87.86□	150000□	1.50□	TKH□	167	YDT 225S4□
	19□	18800□	78.14□	150000□	1.70□			
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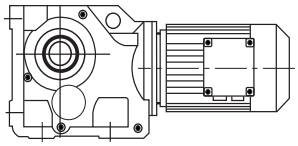
	18□	19200□	79.75□	84500□	0.95□	TKF□	157	YDT 225S4□
						TKA□	157	YDT 225S4
						TKAF □	157	YDT 225S4



PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	24□	14700□	61.02□	84600□	1.25□	TKF□	157□	YDT 225S4□
	27□	13000□	54.29□	84100□	1.40□	TKA□	157□	YDT 225S4□
	31□	11200□	46.79□	83200□	1.60□	TKAF □	157□	YDT 225S4□
	39□	9140□	38.02□	81300□	1.95□			
	47□	7520□	31.30□	79100□	2.4□			
	23□	15000□	62.60□	57500□	0.85□	TK□	127□	YDT 225S4□
	27□	13000□	54.07□	58500□	1.00□	TKF□	127□	YDT 225S4□
	31□	11500□	47.82□	59000□	1.15□	TKA□	127□	YDT 225S4□
	37□	9660□	40.19□	59100□	1.35□	TKAF □	127□	YDT 225S4□
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	53□	6650□	27.68□	57800□	1.95□	TKA□	127□	YDT 225S4□
	62□	5740□	23.91□	56900□	2.3□	TKAF □	127□	YDT 225S4□
	70□	5080□	21.15□	56000□	2.6□			
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	169□	2090□	8.68□	46600□	3.5□			
	40□	8890□	37.00*□	29000□	0.80□	TK□	107□	YDT 225S4□
	47□	7520□	31.28*□	33000□	0.90□	TKF□	107□	YDT 225S4□
	51□	6970□	29.00□	34200□	1.05□	TKA□	107□	YDT 225S4□
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	109□	3230□	13.43□	32300□	1.35□			
	125□	2820□	11.73□	32000□	1.55□			
	148□	2390□	9.94□	31400□	1.75□			
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45□	6.6□	60700□	221.00□	190000□	0.80□	TK□	187 / TRF107□	YDT 225M4□
	7.6□	53000□	193.00□	190000□	0.95□	TKH□	187 / TRF107□	YDT 225M4□
	9.0□	44800□	163.00□	190000□	1.10□			
	11□	37100□	135.00□	150000□	0.85□	TK□	167 / TRF107□	YDT 225M4□
	12□	32400□	118.00□	150000□	1.00□	TKH□	167 / TRF107□	YDT 225M4□
	8.2□	52600□	179.86□	185500□	0.95□	TK□	187□	YDT 225M4□
	8.9□	48300□	165.21□	190000□	1.05□	TKH□	187□	YDT 225M4□
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	14□	29900□	102.16□	190000□	1.65□			
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	20□	21600□	73.96□	187700□	2.3□			
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	24□	17800□	61.02□	77700□	1.00□	TKF□	157□	YDT 225M4□
	27□	15900□	54.29□	77900□	1.15□	TKA□	157□	YDT 225M4
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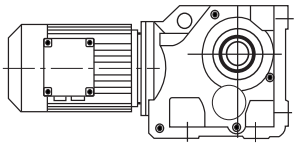
PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	53□	8080□	27.62□	74300□	2.2□	TKA□	157□	YDT 225M4□
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	69□	6230□	21.31□	71500□	2.9□			
	80□	5370□	18.37□	69700□	3.4□			
	31□	14000□	47.82□	52800□	0.95□	TK□	127□	YDT 225M4□
	37□	11700□	40.19□	53900□	1.10□	TKF□	127□	YDT 225M4□
	41□	10600□	36.25□	54200□	1.25□	TKA□	127□	YDT 225M4□
						TKAF □	127□	YDT 225M4□
	47□	9170□	31.37□	54400□	1.40□	TK□	127□	YDT 225M4□
	53□	8090□	27.68□	54200□	1.60□	TKF□	127□	YDT 225M4□
	62□	6990□	23.91□	53800□	1.85□	TKA□	127□	YDT 225M4□
	70□	6180□	21.15□	53200□	2.1□	TKAF □	127□	YDT 225M4□
	83□	5190□	17.77□	52200□	2.5□			
	102□	4190□	14.35□	50700□	2.9□			
	115□	3740□	12.79□	48300□	2.3□			
	137□	3140□	10.74□	47000□	2.6□			
	169□	2540□	8.68□	45300□	2.9□			
	51□	8480□	29.00□	25600□	0.85□	TK□	107□	YDT 225M4□
	56□	7690□	26.32□	28300□	0.95□	TKF□	107□	YDT 225M4□
	65□	6610□	22.62□	31000□	1.10□	TKA□	107□	YDT 225M4□
	74□	5770□	19.74□	31700□	1.25□	TKAF □	107□	YDT 225M4□
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	109□	3930□	13.43□	29900□	1.10□	TKA□	107□	YDT 225M4□
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	20□	26300□	73.96□	180200□	1.90□			
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	22□	24200□	68.07□	143300□	1.30□			
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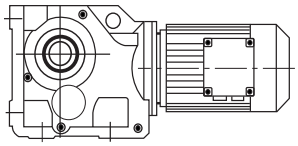
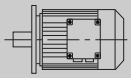
	34□	15300□	42.89□	135400□	2.1□			
	40□	13000□	36.61□	131900□	2.5□			
	24□	21700□	61.02□	69000□	0.85□	TK□	157□	YDT 250M4□
	27□	19300□	54.29□	70200□	0.95□	TKF□	157□	YDT 250M4□
	32□	16700□	46.79□	71200□	1.10□	TKA□	157□	YDT 250M4□
	39□	13500□	38.02□	71500□	1.35□	TKAF □	157□	YDT 250M4□
	47□	11100□	31.30□	71000□	1.60□			
	53□	9840□	27.62□	70400□	1.85□			
	62□	8530□	23.95□	69400□	2.1□			
	69□	7590□	21.31□	68400□	2.4□			
	80□	6540□	18.37□	67000□	2.8□			
	99	5310	14.92	64800	3.4□			
	117	4510	12.65	62900	3.8			



PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
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	47□	11200□	31.37□	49300□	1.15□	TKF□	127□	YDT 250M4□
	53□	9850□	27.68□	49700□	1.30□	TKA□	127□	YDT 250M4□
						TKAF □	127□	YDT 250M4□
	62□	8510□	23.91□	49900□	1.55□	TK□	127□	YDT 250M4□
	70□	7530□	21.15□	49800□	1.75□	TKF□	127□	YDT 250M4□
	83□	6330□	17.77□	49300□	2.1□	TKA□	127□	YDT 250M4□
	103□	5110□	14.35□	48300□	2.4□	TKAF □	127□	YDT 250M4□
	115□	4550□	12.79□	45900□	1.85□			
	137□	3830□	10.74□	45000□	2.1□			
	170□	3090□	8.68□	43600□	2.3□			
75□	11□	62800□	129.69□	164100□	0.80□	TK□	187□	YDT 280S4□
	13□	54500□	112.60□	166100□	0.90□	TKH□	187□	YDT 280S4□
	14□	49400□	102.16□	166600□	1.00□			
	17□	42600□	88.00□	166600□	1.15□			
	20□	35800□	73.96□	165300□	1.40□			
	23□	31000□	64.04□	163400□	1.60□			
	28□	25800□	53.36□	160100□	1.95□			
	33□	22000□	45.50*□	156700□	2.3□			
	19□	37800□	78.14□	126100□	0.85□	TK□	167□	YDT 280S4□
	22□	32900□	68.07□	127100□	0.95□	TKH□	167□	YDT 280S4□
	24□	29400□	60.74□	127300□	1.10□			
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	35□	20800□	42.89□	125200□	1.55□			
	40□	17700□	36.61□	123200□	1.80□			
	46□	15600□	32.25□	121300□	2.1□			
	51□	13900□	28.77□	119300□	2.3□			
	60□	11900□	24.52□	116300□	2.7□			
	39□	18400□	38.02□	60800□	1.00□	TK□	157□	YDT 280S4□
	47□	15100□	31.30□	62200□	1.20□	TKF□	157□	YDT 280S4□
	54□	13400□	27.62□	62600□	1.35□	TKA□	157□	YDT 280S4□
	62□	11600□	23.95□	62600□	1.55□	TKAF □	157□	YDT 280S4□
	69□	10300□	21.31□	62400□	1.75□			
	81□	8890□	18.37□	61800□	2.0□			
	99□	7220□	14.92□	60500□	2.5□			
	117□	6120□	12.65□	59300□	2.8□			
	47□	15200□	31.37□	39200□	0.85□	TK□	127□	YDT 280S4□
	53□	13400□	27.68□	40800□	0.95□	TKF□	127□	YDT 280S4□
	62□	11600□	23.91□	42200□	1.10□	TKA □	127□	YDT 280S4□
	70□	10200□	21.15□	42900□	1.25□	TKAF □	127□	YDT 280S4□
	83□	8600□	17.77□	43500□	1.50□			
	103□	6940□	14.35□	43700□	1.75□			
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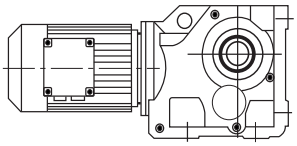
	138□	5200□	10.74□	41000□	1.55□			
	171□	4200□	8.68□	40400□	1.70□			
90□	14□	59300□	102.16□	151300□	0.85□	TK□	187□	YDT 280M4□
	17□	51100□	88.00□	153400□	1.00□	TKH□	187□	YDT 280M4□
	20□	42900□	73.96□	154200□	1.15□			
	23□	37200□	64.04□	153800□	1.35□			
	28□	31000□	53.36□	152200□	1.60□			
	33□	26400□	45.50"□	149900□	1.90□			
	35□	24700□	42.51□	148700□	2.0□			
	38□	22400□	38.57□	146900□	2.2□			
	22□	39500□	68.07□	115100□	0.80□	TK□	167□	YDT 280M4□
	24□	35300□	60.74□	116600	0.90	TKH	167□	YDT 280M4
	29	30100	51.77	117600	1.05			

PERFORMANCE PARAMETER



P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs		
90□	35□	24900□	42.89□	117600□	1.30□	TK□ 167□	YDT 280M4□
	40□	21300□	36.61□	116700□	1.50□	TKH□ 167□	YDT 280M4□
	46□	18700□	32.25□	115500□	1.70□		
	51□	16700□	28.77□	114200□	1.90□		
	60□	14200□	24.52□	111900□	2.3□		
	73□	11800□	20.32□	108800□	2.7□		
	85□	10100□	17.34□	106000□	3.2□		
	39□	22100□	38.02□	52700□	0.80□	TK□ 157□	YDT 280M4□
	62□	13900□	23.95□	57500□	1.30□	TKF□ 157□	YDT 280M4□
	69□	12400□	21.31□	57900□	1.45□	TKA□ 157□	YDT 280M4□
	81□	10700□	18.37□	57900□	1.70□	TKAF 157□	YDT 280M4□
	99□	8670□	14.92□	57400□	2.1□		
	117□	7350□	12.65□	56600□	2.3□		
	62□	13900□	23.91□	36400□	0.95□	TK□ 127□	YDT 280M4□
	70□	12300□	21.15□	37800□	1.05□	TKF□ 127□	YDT 280M4□
	83□	10300□	17.77□	39200□	1.25□	TKA□ 127□	YDT 280M4□
	103□	8330□	14.35□	40200□	1.45□	TKAF 127□	YDT 280M4□
	116□	7420□	12.79□	37600□	1.15□		
	138□	6240□	10.74□	38000□	1.30□		
	171□	5040□	8.68□	38000□	1.45□		
110□	17□	62300□	88.00□	136000□	0.80□	TK□ 187□	YDT 315S4□
	20□	52300□	73.96□	139500□	0.95□	TKH□ 187□	YDT 315S4□
	23□	45300□	64.04□	141000□	1.10□		
	28□	37700□	53.36□	141500□	1.30□		
	33□	32200□	45.50*□	140800□	1.55□		
	35□	30100□	42.51□	140200□	1.65□		
	39□	27300□	38.57□	139100□	1.85□		
	45□	23500□	33.23□	137000□	2.1□		
	53□	19800□	27.92□	134000□	2.5□		
	29□	36600□	51.77□	105500□	0.85□	TK□ 167□	YDT 315S4□
	35□	30300□	42.89□	107500□	1.05□	TKH□ 167□	YDT 315S4□
	41□	25900□	36.61□	108100□	1.25□		
	46□	22800□	32.25□	107900□	1.40□		
	52□	20400□	28.77□	107400□	1.55□		
	61□	17300□	24.52□	106100□	1.85□		
	73□	14400□	20.32□	104000□	2.2□		
	86□	12300□	17.34□	101800□	2.6□		
	62□	16900□	23.95□	50800□	1.05□	TK□ 157□	YDT 315S4□
	70□	15100□	21.31□	51900□	1.20□	TKF□ 157□	YDT 315S4□
	81□	13000□	18.37□	52700□	1.40□	TKA□ 157□	YDT 315S4□
	100□	10600□	14.92□	53100□	1.70□	TKAF 157□	YDT 315S4□
	117□	8950□	12.65□	53000□	1.90□		
132□	20□	62800□	73.96□	123300□	0.80□	TK□ 187□	YDT 315M4□
	23□	54400□	64.04□	127000□	0.90□	TKH□ 187□	YDT 315M4□
	28□	45300□	53.36□	129800□	1.10□		
	33□	38600□	45.50*□	130800□	1.30□		
	35□	36100□	42.51□	130900□	1.40□		
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	61□	20500□	24.18□	125900□	2.3□		
	74□	17100□	20.15□	122800□	2.6□		
	86□	14600□	17.18□	119700□	2.8□		
	35□	36400□	42.89□	96400□	0.90□	TK□ 167□	YDT 315M4□
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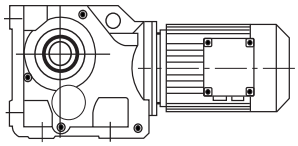

PERFORMANCE PARAMETER

P_{1n} (kW)	N_2 (r/min)	M_{2n} (Nm)	i	Fr_2 (N)	fs			
132□	52□	24400□	28.77□	99900□	1 30□	TK□	167□	YDT 315M4□
	61□	20800□	24.52□	99800□	1.55□	TKH□	167□	YDT 315M4□
	73□	17200□	20.32□	98700□	1.85□			
	86□	14700□	17.34□	97300□	2.2□			
	62□	20300□	23.95□	43400□	0.90□	TK□	157□	YDT 315M4□
	70□	18100□	21.31□	45300□	1.00□	TKF□	157□	YDT 315M4□
	81□	15600□	18.37□	47000□	1.15□	TKA□	157□	YDT 315M4□
	100□	12700□	14.92□	48500□	1.40□	TKAF □	157□	YDT 315M4□
	117□	10700□	12.65□	49100□	1.60□			
160□	28□	54900□	53.36□	114900□	0.90□	TK□	187□	YDT 315M4A□
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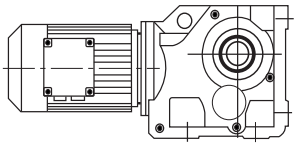
	45□	34200□	33.23□	120500□	1.45□			
	53□	28700□	27.92□	120100□	1.75□			
	61□	24900□	24.18□	119100□	1.90□			
	74□	20700□	20.15□	117200□	2.1□			
	86□	17700□	17.18□	114900□	2.3□			
	41□	37700□	36.61□	86500□	0.85□	TK□	167□	YDT 315M4A□
	61□	25200□	24.52□	91700□	1.25□	TKH□	167□	YDT 315M4A□
	73□	20900□	20.32□	92000□	1.55□			
	86□	17800□	17.34□	91600□	1.80□			
	81□	18900□	18.37□	39800□	0.95□	TK□	157□	YDT 315M4A□
	100□	15400□	14.92□	42600□	1.15□	TKF□	157□	YDT 315M4A□
	117□	13000□	12.65□	44100□	1.30□	TKA□	157□	YDT 315M4A□
						TKAF □	157□	YDT 315M4A
200□	33□	58500□	45.50*□	100000□	0.85□	TK□	187□	YDT 315M4B□
	45□	42700□	33.23□	107300□	1.15□	TKH□	187□	YDT 315M4B□
	53□	35900□	27.92□	109000□	1.40□			
	61□	31100□	24.18□	109500□	1.55□			
	74□	25900□	20.15□	109100□	1.70□			
	86□	22100□	17.18□	108100□	1.85□			
	61□	31500□	24.52□	80100□	1.00□	TK□	167□	YDT 315M4B□
	73□	26100□	20.32□	82400□	1.20□	TKH□	167□	YDT 315M4B□
	86□	22300□	17.34□	83400□	1.45□			
	100□	19200□	14.92□	34200□	0.95□	TK□	157□	YDT 315M4B□
	117□	16300□	12.65□	36900□	1.05□	TKF□	157□	YDT 315M4B□
						TKA□	157□	YDT 315M4B
						TKAF □	157	YDT 315M4B

PERFORMANCE PARAMETER



M_{2max} (Nm)	N_2 (r/min)	i	Fr_2 (N)			
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	0.23□	5922□	5640□	TKF□	37 / TRF17□	YDA 63S4□
	0.25□	5491□	5640□	TKA□	37 / TRF17□	YDA 63S4□
	0.29□	4759□	5640□	TKAF□	37 / TRF17□	YDA 63S4□
	0.33□	4160□	5640□			
	0.38□	3645□	5640□			
	0.43□	3205□	5640□			
	0.49□	2801□	5640□			
	0.56□	2454□	5640□			
	0.64□	2166□	5640□			
	0.73□	1891□	5640□			
	0.83□	1660□	5640□			
	0.94□	1466□	5640□			
	1.1□	1288□	5640□			
	1.2□	1136□	5640□			
	1.4□	996□	5640□	TK□	37 / TRF17□	YDA 63S4□
	1.6□	876□	5640□	TKF□	37 / TRF17□	YDA 63S4□
	1.8□	761□	5640□	TKA□	37 / TRF17□	YDA 63S4□
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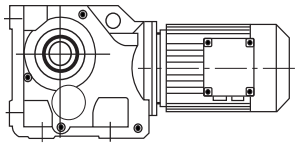
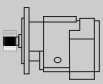
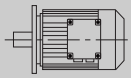


PERFORMANCE PARAMETER

M_{2max} (Nm)	N_2 (r/min)	i	Fr_2 (N)			
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	1.7□	831□	5920□	TKAF□	47 / TRF37□	YDA 63S4□
	1.9□	718□	5920□			
	2.2□	639□	5920□			
	2.4□	552□	5920□	TK□	47 / TRF37□	YDA 63M4□
	2.7□	495□	5920□	TKF□	47 / TRF37□	YDA 63M4□
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	4.5□	289□	5920□	TKA□	47 / TRF37□	YDA 63L4□
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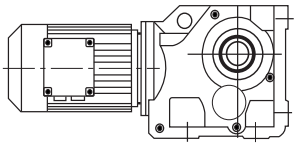
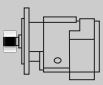
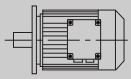
PERFORMANCE PARAMETER



M_{2max} (Nm)	N_2 (r/min)	i	Fr_2 (N)			
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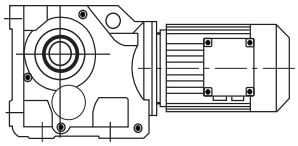
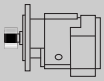
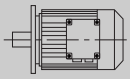


PERFORMANCE PARAMETER

M_{2max} (Nm)	N_2 (r/min)	i	Fr_2 (N)			
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	2.5□	552□	15400□	TKF□	77 / TRF37□	YDA 80K4□
	2.8□	485□	15400□	TKA□	77 / TRF37□	YDA 80K4□
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				TKAF□	77 / TRF37□	YDA 80N4□
	4.3□	328□	15400□	TK□	77 / TRF37□	YDA 90S4□
	4.8□	290□	15400□	TKF□	77 / TRF37□	YDA 90S4□
	5.5□	252□	15400□	TKA□	77 / TRF37□	YDA 90S4□
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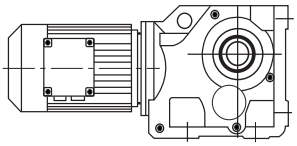
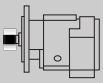
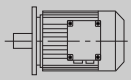
PERFORMANCE PARAMETER



M_{2max} (Nm)	N_2 (r/min)	i	Fr_2 (N)			
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				TKAF□	87 / TRF57□	YDA 90S4□
	3.8□	373□	27300□	TK□	87 / TRF57□	YDA 90L4□
	4.3□	330□	27300□	TKF□	87 / TRF57□	YDA 90L4□
	4.8□	294□	27300□	TKA□	87 / TRF57□	YDA 90L4□
				TKAF□	87 / TRF57□	YDA 90L4□
	5.6□	250□	27300□	TK□	87 / TRF57□	YDA 100M4□
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				TKAF□	87 / TRF57□	YDA 100M4
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	0.15□	9083□	40000□			
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	0.22□	6027□	40000□	TK□	97 / TRF57□	YDA 63M4□
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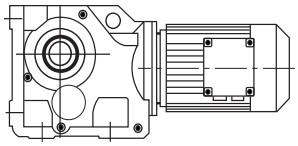
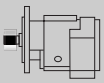
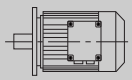


PERFORMANCE PARAMETER

M_{2max} (Nm)	N_2 (r/min)	i	Fr_2 (N)			
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				TKAF□	97 / TRF57□	YDA 90L4□
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				TKA□	97 / TRF57□	YDA 112M4□
				TKAF□	97 / TRF57□	YDA 112M4
8000□	0.10□	14311□	65000□	TK□	107 / TRF77□	YDA 63S4□
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				TKAF □	107 / TRF77□	YDA 63S4□
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	1.2□	1166□	65000□	TK□	107 / TRF77□	YDA 90L4□
	1.4□	1030□	65000□	TKF□	107 / TRF77□	YDA 90L4□
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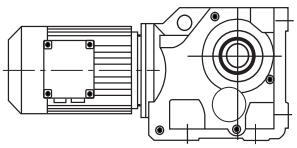
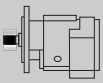
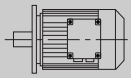
PERFORMANCE PARAMETER



M_{2max} (Nm)	N_2 (r/min)	i	Fr_2 (N)			
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				TKAF □	107 / TRF77□	YDA 100L4□
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	1.6□	899□	79200□	TK□	127 / TRF77□	YDA 100L4□
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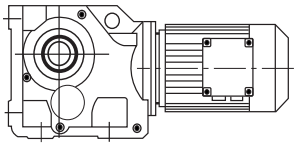
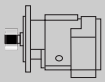
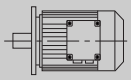


PERFORMANCE PARAMETER

M_{2max} (Nm)	N_2 (r/min)	i	Fr_2 (N)			
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				TKA□	127 / TRF77□	YDA 112M4□
				TKAF □	127 / TRF77□	YDA 112M4□
	3.0□	477□	79200□	TK□	127 / TRF77□	YDA 132S4□
	3.4□	418□	79200□	TKF□	127 / TRF77□	YDA 132S4□
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				TKA□	127 / TRF87□	YDA 112M4□
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	3.0□	473□	79200□	TK□	127 / TRF87□	YDA 132S4□
	3.4□	418□	79200□	TKF□	127 / TRF87□	YDA 132S4□
				TKA□	127 / TRF87□	YDA 132S4□
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	3.9□	367□	79200□	TK□	127 / TRF87□	YDA 132M4□
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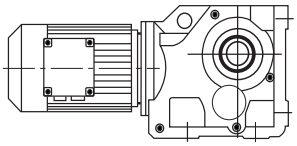
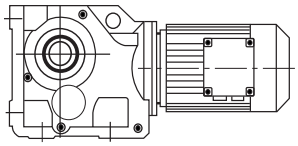
	1.3□	1093□	112200□	TKF□	157 / TRF97□	YDA 100L4□
				TKA□	157 / TRF97□	YDA 100L4□
				TKAF □	157 / TRF97□	YDA 100L4□
	1.5□	942□	112200□	TK□	157 / TRF97□	YDA 112M4□
	1.7□	854□	112200□	TKF□	157 / TRF97□	YDA 112M4□
	1.9□	756□	112200□	TKA	157 / TRF97□	YDA 112M4□
				TKAF	157 / TRF97□	YDA 112M4

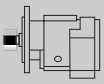
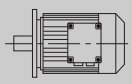
PERFORMANCE PARAMETER



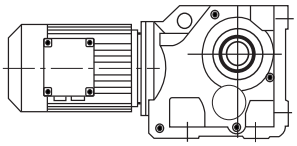
M_{2max} (Nm)	N_2 (r/min)	i	Fr_2 (N)			
18000□	2.2□	661□	112200□	TK□	157 / TRF97□	YDA 132S4□
	2.5□	567□	112200□	TKF□	157 / TRF97□	YDA 132S4□
				TKA□	157 / TRF97□	YDA 13254□
				TKAF □	157 / TRF97□	YDA 132S4□
	2.8□	504□	112200□	TK□	157 / TRF97□	YDA 132M4□
	3.3□	434□	112200□	TKF□	157 / TRF97□	YDA 132M4□
				TKA□	157 / TRF97□	YDA 132M4□
				TKAF □	157 / TRF97□	YDA 132M4□
	3.8□	379□	112200□	TK□	157 / TRF97□	YDA 132ML4□
	4.3□	333□	112200□	TKF□	157 / TRF97□	YDA 132ML4□
				TKA□	157 / TRF97□	YDA 132ML4□
				TKAF □	157 / TRF97□	YDA 132ML4□
	5.0□	291□	112200□	TK□	157 / TRF97□	YDT 160M4□
				TKF□	157 / TRF97□	YDT 160M4□
				TKA□	157 / TRF97□	YDT 160M4□
				TKAF □	157 / TRF97□	YDT 160M4□
	3.7□	385□	112200□	TK□	157 / TRF107□	YDA 132ML4□
	4.4□	325□	112200□	TKF□	157 / TRF107□	YDA 132ML4□
				TKA□	157 / TRF107□	YDA 132ML4□
				TKAF □	157 / TRF107□	YDA 132ML4□
	4.8□	299□	112200□	TK□	157 / TRF107□	YDT 160M4□
				TKF□	157 / TRF107□	YDT 160M4□
				TKA□	157 / TRF107□	YDT 160M4□
				TKAF □	157 / TRF107□	YDT 160M4□
	5.8□	253□	112200□	TK□	157 / TRF107□	YDT 160L4□
	6.3□	230□	112200□	TKF□	157 / TRF107□	YDT 160L4□
	6.9□	213□	112200□	TKA□	157 / TRF107□	YDT 160L4□
				TKAF □	157 / TRF107□	YDT 160L4
32000□	0.07□	19723□	150000□	TK□	167 / TRF97□	YDA 80K4□
	0.08□	17406□	150000□	TKH□	167 / TRF97□	YDA 80K4□
	0.09□	15000□	150000□			
	0.10□	13238□	150000□			
	0.12□	11573□	150000□			
	0.13□	10264□	150000□			
	0.16□	8628□	150000□	TK□	167 / TRF97□	YDA 80N4□
				TKH□	167 / TRF97□	YDA 80N4□
	0.21□	6562□	150000□	TK□	167 / TRF97□	YDA 90S4□
	0.26□	5355□	150000□	TKH□	167 / TRF97□	YDA 90S4□
	0.29□	4788□	150000□	TK□	167 / TRF97□	YDA 90L4□
	0.35□	4079□	150000□	TKH□	167 / TRF97□	YDA 90L4□
	0.42□	3376□	150000□	TK□	167 / TRF97□	YDA 100M4□
	0.51□	2755□	150000□	TKH□	167 / TRF97□	YDA 100M4□
	0.62□	2263□	150000□	TK□	167 / TRF97□	YDA 100L4□
				TKH□	167 / TRF97□	YDA 100L4□
	0.64□	2182□	150000□	TK□	167 / TRF97□	YDA 100L4□
				TKH□	167 / TRF97□	YDA 100L4□
	0.83□	1704□	150000□	TK□	167 / TRF97□	YDA 112M4□
	1.0□	1408□	150000□	TKH□	167 / TRF97□	YDA 112M4□
	1.1□	1296□	150000□	TK□	167 / TRF97□	YDA 132S4□
	1.3□	1101□	150000□	TKH□	167 / TRF97□	YDA 13254□
	1.5□	944□	150000□	TK□	167 / TRF97□	YDA 132M4□
	1.7□	843□	150000□	TKH□	167 / TRF97□	YDA 132M4□
	1.9□	757□	150000□			
	2.3□	632□	150000□	TK□	167 / TRF97□	YDA 132ML4□
				TKH□	167 / TRF97□	YDA 132ML4□
	2.6□	561□	150000□	TK□	167 / TRF97□	YDT 160M4
	3.0	481	150000	TKH	167 / TRF97	YDT 160M4



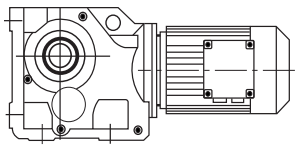
PERFORMANCE PARAMETER

M_{2max} (Nm)	N_2 (r/min)	i	Fr_2 (N)			
32000□	3.5□	423□	150000□	TK□	167 / TRF97□	YDT 160L4□
	4.0□	369□	150000□	TKH□	167 / TRF97□	YDT 160L4□
	4.6□	318□	150000□	TK□	167 / TRF107□	YDT 180M4□
				TKH□	167 / TRF107□	YDT 180M4□
	5.3□	278□	150000□	TK□	167 / TRF107□	YDT 180L4□
	6.0□	244□	150000□	TKH□	167 / TRF107□	YDT 180L4□
	6.9□	213□	150000□	TK□	167 / TRF107□	YDT 200L4□
	7.1□	206□	150000□	TKH□	167 / TRF107□	YDT 200L4□
	8.2□	180□	150000□			
	9.2□	160□	150000□	TK□	167 / TRF107□	YDT 225S4□
				TKH□	167 / TRF107□	YDT 225S4□
	11□	135□	150000□	TK□	167 / TRF107□	YDT 225M4□
	12□	118□	150000□	TKH□	167 / TRF107□	YDT 225M4
50000□	0.04□	32625□	189900□	TK□	187 / TRF97□	YDA 80K4□
	0.05□	27165□	189900□	TKH□	187 / TRF97□	YDA 80K4□
	0.06□	24353□	189900□			
	0.07□	19144□	189900□			
	0.08□	16978□	189900□			
	0.10□	14272□	189900□	TK□	187 / TRF97□	YDA 80N4□
	0.11□	13116□	189900□	TKH□	187 / TRF97□	YDA 80N4□
	0.12□	11647□	189900□			
	0.13□	10413□	189900□	TK□	187 / TRF97□	YDA 90S4□
	0.15□	9363□	189900□	TKH□	187 / TRF97□	YDA 90S4□
	0.17□	8126□	189900□			
	0.19□	7343□	189900□	TK□	187 / TRF97□	YDA 90L4□
	0.21□	6747□	189900□	TKH□	187 / TRF97□	YDA 90L4□
	0.24□	5991□	189900□			
	0.26□	5358□	189900□	TK□	187 / TRF97□	YDA 100M4□
	0.29□	4817□	189900□	TKH□	187 / TRF97□	YDA 100M4□
	0.32□	4370□	189900□			
	0.39□	3609□	189900□	TK□	187 / TRF97□	YDA 100L4□
	0.46□	3062□	189900□	TKH□	187 / TRF97□	YDA 100L4□
	0.56□	2519□	189900□	TK□	187 / TRF97□	YDA 112M4□
	0.63□	2268□	189900□	TKH□	187 / TRF97□	YDT 112M4□
	0.69□	2054□	189900□			
	0.79□	1821□	189900□	TK□	187 / TRF97□	YDA 132S4□
	0.89□	1605□	189900□	TKH□	187 / TRF97□	YDA 132S4□
	1.0□	1395□	189900□	TK□	187 / TRF97□	YDA 132M4□
	1.2□	1196□	189900□	TKH□	187 / TRF97□	YDA 132M4□
	1.4□	1046□	189900□	TK□	187 / TRF97□	YDA 132ML4□
	1.5□	945□	189900□	TKH□	187 / TRF97□	YDA 132ML4□
	2.0□	738□	189900□	TK□	187 / TRF97□	YDT 160L4□
	2.4□	621□	189900□	TKH□	187 / TRF97□	YDT 160L4□
	2.8□	527□	189900□	TK□	187 / TRF97□	YDT 180M4□
				TKH□	187 / TRF97□	YDT 180M4□
	1.7□	835□	189900□	TK□	187 / TRF107□	YDT 160M4□
				TKH□	187 / TRF107□	YDT 160M4□
	2.0□	729□	189900□	TK□	187 / TRF107□	YDT 160L4□
	2.4□	622□	189900□	TKH□	187 / TRF107□	YDT 160L4□
	2.8□	520□	189900□	TK□	187 / TRF107□	YDT 180M4□
	3.2□	454□	189900□	TKH□	187 / TRF107□	YDT 180M4□
	4.1□	355□	189900□	TK□	187 / TRF107□	YDT 200L4□
				TKH□	187 / TRF107□	YDT 200L4□
	5.6□	261□	189900□	TK□	187 / TRF107□	YDT 225S4□
				TKH□	187 / TRF107□	YDT 225S4□
	6.6□	221□	189900□	TK□	187 / TRF107□	YDT 225M4□
	7.6□	193	189900	TKH	187 / TRF107	YDT 225M4
	9.0	163	189900			

PERFORMANCE PARAMETER



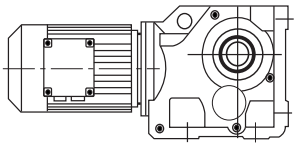
M_{2max} (Nm)	N_2 (r/min)	I	P_{1n} (kW)	Fr_2 (N)	Fr_1 (N)			
200□	13□	106.38□	0.32□	5640□	580□	**TK**	**37**	**AD1**
200□	14□	97.81□	0.35□	5640□	575□	**TKF**	**37**	**AD1**
200□	17□	83.69□	0.41□	5640□	560□	**TKA**	**37**	**AD1**
200□	19□	72.54□	0.46□	5520□	545□	**TKAF**	**37**	**AD1**
200□	21□	67.80□	0.50□	5360□	535□			
200□	24□	58.60□	0.57□	5020□	510□			
200□	28□	49.79□	0.66□	4660□	495□			
200□	31□	44.46□	0.74□	4420□	470□			
200□	37□	37.97□	0.86□	4100□	440□			
200□	39□	35.57□	0.92□	3970□	425□			
200□	47□	29.96□	1.1□	3650□	1710□	**TK**	**37**	**AD2**
200□	49□	28.83□	1.1□	3580□	1510□	**TKF**	**37**	**AD2**
200□	56□	24.99□	1.3□	3330□	1500□	**TKA**	**37**	**AD2**
195□	60□	23.36□	1.3□	3260□	1500□	**TKAF**	**37**	**AD2**
185□	69□	20.19□	1.5□	3110□	1500□			
180□	82□	17.15□	1.7□	2900□	1490□			
175□	91□	15.31□	1.8□	2780□	1490□			
165□	107□	13.08□	2.0□	2650□	1490□			
160□	115□	12.14□	2.1□	2600□	1270□			
160□	133□	10.49□	2.4□	2410□	1230□			
160□	157□	8.91□	2.8□	2200□	1200□			
155□	176□	7.96□	3.0□	2110□	1190□			
150□	206□	6.80□	3.4□	1980□	1170□			
145□	220□	6.37□	3.6□	1950□	1180□			
140□	261□	5.36□	4.1□	1810□	1140□			
125□	352□	3.98□	4.8□	1660□	1110□			
400□	11□	131.8T□	0,52□	5920□	1530□	**TK**	**47**	**AD2**
400□	12□	121.48'□	0.55□	5920□	1520□	**TKF**	**47**	**AD2**
400□	13□	104.37□	0.65□	5920□	1500□	**TKA**	**47**	**AD2**
400□	15□	90.86□	0.73□	5920□	1470□	**TKAF**	**47**	**AD2**
400□	16□	85.12*□	0.78□	5920□	1460□			
400□	19□	75.20'□	0,88□	5920□	1430□			
400□	20□	69.84□	0,94□	5920□	1400□			
400□	22□	63.30*□	1.0□	5920□	1380□			
400□	25□	56.83□	1.1□	5920□	1660□			
400□	29□	48,95*□	1.3□	5920□	1640□			
400□	30□	46.03*□	1.4□	5920□	1640□			
400□	35□	39.61□	1.6□	5920□	1620□			
400□	40□	35.39□	1.8□	5920□	1600□			
400□	45□	31.30□	2.0□	5700□	1290□			
400□	48□	29.32□	2.2□	5520□	1280□			
400□	54□	25.91□	2.4□	5170□	1250□			
400□	58□	24.06□	2.6□	4970□	1230□			
400□	64□	21.81□	2.9□	4710□	1220□			
400□	72□	19.58□	3.2□	4440□	1190□			
380□	83□	16.86□	3.5□	4230□	1190□			
380□	88□	15.86□	3.7□	4080□	1170□			
360□	103□	13.65□	4.1□	3890□	1170□			
350□	115□	12.19□	4.5□	3720□	1140□			
280□	119□	11.77□	3.7□	4060□	1020□			
280□	133□	10.56□	4.1□	3830□	980□			
280□	154□	9.10□	4.8□	3540□	930□			
270□	164□	8.56□	4.9□	3500□	1960□	**TK**	**47**	**AD3**
250□	190□	7.36□	5.3□	3390□	1970□	**TKF**	**47**	**AD3**
240□	213□	6.58□	5.7□	3270□	1960□	**TKA**	**47**	**AD3**
230□	241□	5.81□	6.2	3140	1960	**TKAF**	**47**	**AD3**
205□	302□	4.64	6.8	2°O0	1920			



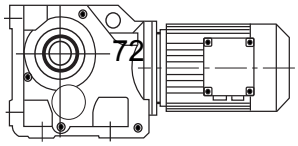
PERFORMANCE PARAMETER

M_{2max} (Nm)	N_2 (r/min)	I	P_{1n} (kW)	Fr_2 (N)	Fr_1 (N)			
600□	9.7□	145.14'□	0.69□	7630□	1270□	**TK**	**57**	**AD2**
600□	11□	123.85□	0.80□	7630□	1230□	**TKF**	**57**	**AD2**
600□	13□	108.29□	0.91□	7630□	1200□	**TKA**	**57**	**AD2**
600□	14□	102.88*□	0.96□	7630□	1200□	**TKAF**	**57**	**AD2**
600□	16□	90.26*□	1.1□	7630□	1600□			
600□	18□	76.56*□	1.3□	7630□	1590□			
600□	20□	69.12□	1.4□	7630□	1580□			
600□	23□	60.81*□	1.6□	7630□	1570□			
600□	24□	57.42*□	1.7□	7630□	1560□			
600□	29□	48.89□	2.0□	7630□	1530□			
600□	32□	44.43□	2.2□	7630□	1520□			
600□	36□	38.49□	2.5□	7630□	1490□			
600□	39□	35.70□	2.6□	7630□	1150□			
600□	46□	30.28□	3.1□	7310□	1110□			
600□	51□	27.34□	3.4□	6930□	1090□			
600□	58□	24.05□	3.9□	6480□	1060□			
600□	62□	22.71□	4.1□	6280□	1040□			
575□	72□	19.34□	4.6□	5910□	1010□			
555□	80□	17.57 □	4.9□	5740□	1010□			
535□	92□	15.22□	5.5□	5430□	2020□	**TK**	**57**	**AD3**
510□	106□	13.25□	6.0□	5190□	2000□	**TKF**	**57**	**AD3**
415□	117□	11.92□	5.4□	5150□	1760□	**TKA**	**57**	**AD3**
415□	124□	11.26□	5.7□	4990□	1730□	**TKAF**	**57**	**AD3**
405□	146□	9.59□	6.6□	4650□	1680□			
390□	161□	8.71□	7.0□	4520□	1680□			
365□	186□	7.55□	7.5□	4360□	1680□			
345□	213□	6.57□	8.2□	4190□	1670□			
300□	298□	4.69□	9.8□	3800□	1630□			
820□	9.7□	144.79*□	0.92□	10300□	870□	**TK**	**67**	**AD2**
820□	11□	123.54□	1.1□	10300□	1530□	**TKF**	**67**	**AD2**
820□	13□	108.03□	1.2□	10300□	1510□	**TKA**	**67**	**AD2**
820□	14□	102.62□	1.3□	10300□	1510□	**TKAF**	**67**	**AD2**
820□	16□	90.04□	1.5□	10300□	1490□			
820□	18□	76.37□	1.7□	10300□	1470□			
820□	20□	68.95□	1.9□	10300□	1460□			
820□	23□	60.66□	2.2□	10300□	1440□			
820□	24□	57.28□	2.3□	10300□	1430□			
820□	29□	48.77□	2.7□	10300□	1400□			
820□	32□	44.32□	2.9□	10300□	1380□			
800□	36□	38.39□	3.3□	10500□	1360□			
820□	39□	35.62□	3.6□	10300□	870□			
820□	46□	30.22□	4.3□	10300□	1840□	**TK**	**67**	**AD3**
820□	51□	27.28□	4.7□	10300□	1810□	**TKF**	**67**	**AD3**
800□	58□	24.00□	5.2□	10500□	1800□	**TKA**	**67**	**AD3**
780□	62□	22.66□	5.4□	10700□	1810□	**TKA F**	**67**	**AD3**
760□	73□	19.30□	6.1□	10800□	1760□			
740□	80□	17.54□	6.6□	11000□	1750□			
700□	92□	15.19□	7.2□	11300□	1740□			
670□	106□	13.22□	7.9□	11500□	1710□			
530□	112□	12.48□	6.6□	12300□	1550□			
500□	132□	10.63□	7.3□	11800□	1540□			
480□	145□	9.66□	7.8□	11500□	1540□			
440□	167□	8.37□	8.2□	11100□	1570□			
420□	192□	7.28□	9.0□	10700□	1550□			
350□	269□	5.20□	10.3□	9870□	1560□			
1240□	7.3□	192.18□	1.1□	17200□	575□	**TK**	**77**	**AD2**
1160□	7.8□	179.37□	1.1□	17600□	690□	**TKF**	**77**	**AD2**
1550□	9.1□	154.02□	1.6□	15400□	1360□	**TKA**	**77**	**AD2**
1550□	10□	135.28□	1.8□	15400□	1350□	**TKA F**	**77**	**AD2**
1550□	11□	128.52□	1.9□	15400□	1350□			
1550□	12□	113.56□	2.2□	15400□	1310□			
1550□	14	97.05	2.5	15400	1280			
1550	16	88.97□	2.7□	15400□	1270			

PERFORMANCE PARAMETER



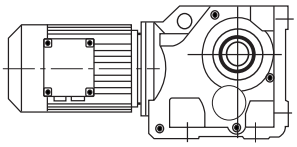
M_{2max} (Nm)	N_2 (r/min)	I	P_{1n} (kW)	Fr_2 (N)	Fr_1 (N)			
1550□	18□	78.07□	3.1□	15400□	1250□	**TK**	**77**	**AD2**
1550□	19□	73.99□	3.3□	15400□	1240□	**TKF**	**77**	**AD2**
1550□	22□	64.75□	3.8□	15400□	1210□	**TKA**	**77**	**AD2**
1550□	24□	58.34□	4.2□	15400□	1170□	**TKAF**	**77**	**AD2**
1550□	27□	51.18□	4.7□	15400□	1140□			
1550□	31□	45.16□	5.4□	15400□	1090□			
1550□	35□	40.04□	6.1□	15400□	2090□	**TK**	**77**	**AD3**
1490□	36□	38.39□	6.1□	15800□	1450□	**TKF**	**77**	**AD3**
1410□	40□	35.20□	6.2□	16300□	1510□	**TKA**	**77**	**AD3**
1550□	45□	30.89□	7.8□	15400□	1230□	**TKAF**	**77**	**AD3**
1550□	48□	29.27□	8.3□	15400□	3290□	**TK**	**77**	**AD4**
1550□	55□	25.62□	9.4□	15400□	3240□	**TKF**	**77**	**AD4**
1550□	61□	23.08□	10.5□	15400□	3170□	**TKA**	**77**	**AD4**
1500□	69□	20.25□	11.6□	15700□	3140□	**TKAF**	**77**	**AD4**
1450□	78□	17.87□	12.7□	16100□	3120□			
1400□	88□	15.84□	13.8□	15500□	3090□			
1340□	104□	13.52□	15.5□	14800□	3050□			
1000□	113□	12.36□	12.6□	15100□	2860□			
990□	129□	10.84□	14.2□	14400□	2790□			
940□	146□	9.56□	15.3□	13900□	2790□			
890□	165□	8.48□	16.4□	13500□	2800□			
785□	193□	7.24□	16.9□	13200□	2890□			
2700□	7.1□	197.37□	2.2□	28100□	1170□	**TK**	**87**	**AD2**
2700□	8□	174.19□	2.4□	28100□	1150□	**TKF**	**87**	**AD2**
2700□	8.5□	164.34*□	2.6□	28100□	1140□	**TKA**	**87**	**AD2**
2700□	9.5□	147.32*□	2.9□	28100□	1120□	**TKAF**	**87**	**AD2**
2700□	11□	126.91*□	3.4□	28100□	1090□			
2700□	12□	115.82□	3.7□	28100□	1080□			
2700□	14□	102.71*□	4.1□	28100□	1060□			
270□	16□	86.34□	4.9□	28100□	1010□			
2700□	18□	79.34□	5.4□	28100□	1940□	**TK**	**87**	**AD3**
2700□	20□	70.46□	6.0□	27400□	1900□	**TKF**	**87**	**AD3**
2700□	22□	63.00*□	6.8□	26200□	1870□	**TKA**	**87**	**AD3**
2700□	25□	56.64□	7.5□	25000□	1830□	**TKAF**	**87**	**AD3**
2700□	28□	49.16□	8.6□	23500□	1770□			
2600□	32□	44.02□	9.2□	22800□	1760□			
2500□	38□	36.52*□	10.7□	21400□	1700□			
2700□	45□	31.39□	13.4□	19200□	2750□	**TK**	**87**	**AD4**
2600□	50□	27.88□	14.5□	18500□	2750□	**TKF**	**87**	**AD4**
2500□	56□	24.92□	15.6□	18000□	2750□	**TKA**	**87**	**AD4**
2300□	62□	22.41□	16.0□	17900□	2840□	**TKAF**	**87**	**AD4**
2300□	72□	19.45□	18.4□	16800□	2730□			
2200□	80□	17.42□	20□	16300□	2730□			
1800□	88□	16.00□	17.5□	16'000□	2020□			
2100□	97□	14.45□	23□	15300□	2640□			
2000□	111□	12.56□	25□	14800□	2620□			
1500□	125□	11.17□	21□	14900□	2370□			
1500□	140□	10.00□	23□	14200□	5570□	**TK**	**87**	**AD5**
1400□	169□	8.29□	26□	13500□	5520□	**TKF**	**87**	**AD5**
1300□	194□	7.21□	28□	13200□	5570□	**TKA**	**87**	**AD5**
						TKAF	**87**	**AD5**
4300□	8□	176.05*□	3.8□	40000□	1780□	**TK**	**97**	**AD3**
4300□	9.1□	153.21*□	4.4□	40000□	1760□	**TKF**	**97**	**AD3**
4300□	10□	140.28□	4.8□	40000□	1740□	**TKA**	**97**	**AD3**
4300□	11□	123.93'□	5.5□	40000□	1720□	**TKAF**	**97**	**AD3**
4300□	13□	105.13□	6.4□	40000□	1680□			
4300□	14□	96.80□	7.0□	40000□	1650□			
4300□	16□	86.52□	7.8□	38800□	1610□			
4300□	18□	77.89*□	8.6□	37100□	1570□			
4300□	20□	70.54□	9.5□	35600□	1530□			
4300□	22□	62.55□	10.8□	33800□	3520□	**TK**	**97**	**AD4**
4300□	25□	56.55□	12.0□	32300□	3470□	**TKF**	**97**	**AD4**
4300□	29□	47.93*□	14.0□	30000	3390	**TKA**	**97**	**AD4**
4300	33□	41.87	16.0	28300□	3320	**TKAF**	**97**	**AD4**



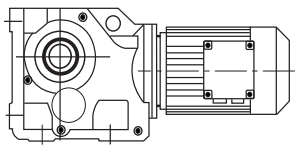
PERFORMANCE PARAMETER

M_{2max} (Nm)	N_2 (r/min)	I	P_{1n} (kW)	Fr_2 (N)	Fr_1 (N)			
4300□	37□	38.30□	17.5□	27100□	5270□	**TK**	**97**	**AD5**
4300□	41□	34.23□	20□	25700□	5200□	**TKF**	**97**	**AD5**
4300□	45□	30.82□	22□	24500□	5130□	**TKA**	**97**	**AD5**
4300□	50□	27.91□	24□	23300□	5050□	**TKAF**	**97**	**AD5**
4300□	57□	24.75□	27□	22000□	4960□			
4300□	63□	22.37□	30□	20900□	4860□			
4300□	74□	18.96□	35□	19100□	4660□			
4300□	85□	16.56□	40□	17800□	4500□			
4300□	101□	13.85□	48□	16100□	7180□	**TK**	**97**	**AD6**
3890□	117□	11.99□	50□	16200□	7280□	**TKF**	**97**	**AD6**
						TKA	**97**	**AD6**
						TKAF	**97**	**AD6**
2870□	134□	10.41□	43□	16400□	4300□	**TK**	**97**	**AD5**
						TKF	**97**	**AD5**
						TKA	**97**	**AD5**
						TKAF	**97**	**AD5**
2660□	161□	8.71□	48□	15800□	7230□	**TK**	**97**	**AD6**
						TKF	**97**	**AD6**
						TKA	**97**	**AD6**
						TKAF	**97**	**AD6**
8000□	9.8□	143.4r□	8.8□	65000□	3090□	**TK**	**107**	**AD4**
8000□	12□	121.46□	10.3□	61700□	3030□	**TKF**	**107**	**AD4**
8000□	12□	112.41*□	11.1□	59700□	2980□	**TKA**	**107**	**AD4**
8000□	14□	100.75□	12.4□	57000□	2940□	**TKAF**	**107**	**AD4**
8000□	15□	90 96*□	13.7□	54600□	2850□			
8000□	17□	82 61□	15.1□	52400□	2810□			
8000□	19□	73.30□	17□	49700□	2740□			
8000□	21□	66.52*□	19□	47600□	2680□			
8000□	24□	57.17*□	22□	44400□	2560□			
7840□	28□	49.90□	24□	42200□	2500□			
7360□	33□	42.33*□	27□	40500□	5720□	**TK**	**107**	**AD5**
7200□	38□	37.0Cr□	30□	38500□	5640□	**TKF**	**107**	**AD5**
7200□	43□	32.69□	34□	36300□	3290□	**TKA**	**107**	**AD5**
6800□	45□	31.28*□	34□	36700□	5620□	**TKAF**	**107**	**AD5**
7200□	48□	29.00□	39□	34000□	6580□	**TK**	**107**	**AD6**
7200□	53□	26.32□	43□	32000□	6460□	**TKF**	**107**	**AD6**
7200□	62□	22.62□	49□	28900□	6250□	**TKA**	**107**	**AD6**
7170□	71□	19.74□	56□	26300□	6010□	**TKAF**	**107**	**AD6**
6080□	84□	16.75□	56□	29000□	6470□			
5310□	96□	14.64□	56□	29500□	6770□			
4300□	104□	13.43□	49□	29200□	6220□			
4260□	119□	11.73□	56□	27600□	6010□			
3610□	141□	9.94□	56□	27800□	6470□			
3150□	161□	8.69□	56□	27800□	6780□			
13000□	9.6□	146.07□	13.9□	81300□	2410□	**TK**	**127**	**AD4**
13000□	10□	136.14□	14.9□	81300□	2340□	**TKF**	**127**	**AD4**
13000□	11□	122.48□	16.6□	81300□	2250□	**TKA**	**127**	**AD4**
13000□	13□	110.18□	18.4□	81300□	2110□	**TKAF**	**127**	**AD4**
13000□	16□	89.89□	23□	75100□	5380□	**TK**	**127**	**AD5**
13000□	17□	81.98□	25□	72100□	5320□	**TKF**	**127**	**AD5**
13000□	20□	70.95*□	29□	67700□	5200□	**TKA**	**127**	**AD5**
13000□	22□	62.60□	32□	64000□	5100□	**TKAF**	**127**	**AD5**
13000□	26□	54.07□	37□	59900□	4960□			
13000□	29□	47.82□	42□	56500□	4820□			
13000□	35□	40.19□	50□	52000□	7530□	**TK**	**127**	**AD6**
						TKF	**127**	**AD6**
						TKA	**127**	**AD6**
						TKAF	**127**	**AD6**
13000□	39□	36.25□	55□	49400□	11300□	**TK**	**127**	**AD7**
13000□	45□	31.37□	64□	45900□	10300□	**TKF**	**127**	**AD7**
13000□	51□	27.68□	72□	43000	9460	**TKA**	**127**	**AD7**□
13000□	59	23.91	84	39800	8300	**TKAF**	**127**	**AD7**

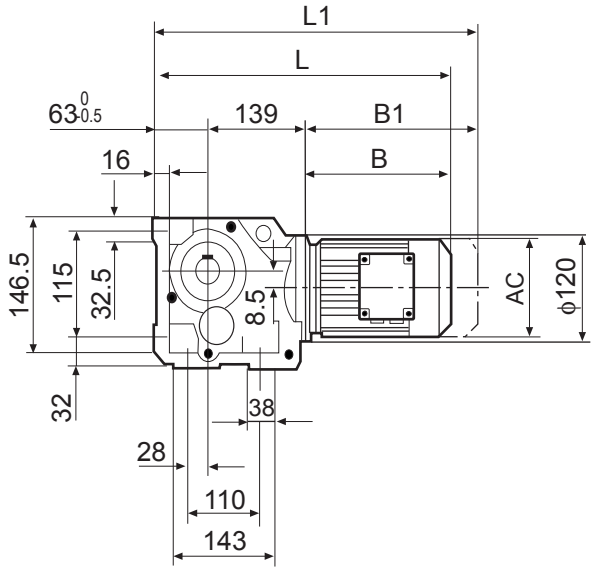
PERFORMANCE PARAMETER

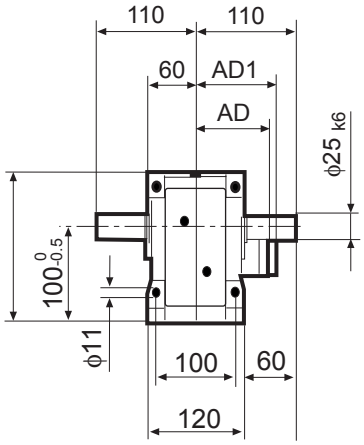


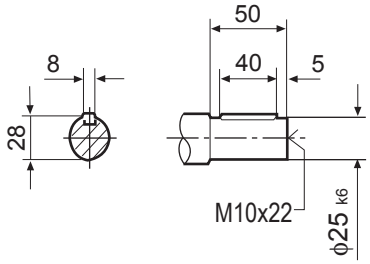
M_{2max} (Nm)	N_2 (r/min)	I	P_{1n} (kW)	Fr_2 (N)	Fr_1 (N)			
13000□	66□	21.15□	95□	37200□	24500□	**TK**	**127**	**AD8**
13000□	79□	17.77	113□	33600□	24100□	**TKF**	**127**	**AD8**
12100□	98□	14.35	130□	31800□	23900□	**TKA**	**127**	**AD8**
8530□	110□	12.79	103□	35400□	24000□	**TKAF**	**127**	**AD8**
8000□	130□	10.74	115□	33900□	24000□			
7230□	161□	8.68	129□	32500□	24000□			
18000□	9.3□	150.41	19□	115200□	5200□	**TK**	**157**	**AD5**
18000□	11□	122.39	23□	106500□	5080□	**TKF**	**157**	**AD5**
18000□	14□	100.22	28□	98000□	4890□	**TKA**	**157**	**AD5**
18000□	15□	91.65	31□	94400□	4820□	**TKAF**	**157**	**AD5**
18000□	18□	79.75	35□	88900□	4700□			
18000□	20□	70.38	40□	84200□	4580□			
18000□	23□	61.02	46□	79000□	4420□			
18000□	26□	54.29	52□	74900□	7230□	**TK**	**157**	**AD6**
						TKF	**157**	**AD6**
						TKA	**157**	**AD6**
						TKAF	**157**	**AD6**
18000□	30□	46.79	60□	70000□	17100□	**TK**	**157**	**AD7**
18000□	37□	38.02	73□	63300□	16800□	**TKF**	**157**	**AD7**
						TKA	**157**	**AD7**
						TKAF	**157**	**AD7**
17700□	45□	31.30	87□	58200□	23600□	**TK**	**157**	**AD8**
16000□	51□	27.62	89□	58300□	24000□	**TKF**	**157**	**AD8**
18000□	58□	23.95	116□	50000□	23000□	**TKA**	**157**	**AD8**
18000□	66□	21.31	130□	47000□	22700□	**TKAF**	**157**	**AD8**
18000□	76□	18.37	151□	43200□	22300□			
18000□	94□	14.92	186□	38200□	21500□			
17000□	111□	12.65	207□	36700□	21300□			
29500□	8.5□	164.50	28□	150000□	2980□	**TK**	**167**	**AD5**
						TKH	**167**	**AD5**
32000□	10□	134.99	37□	150000□	5910□	**TK**	**167**	**AD6**
32000□	13□	109.83	45□	150000□	5450□	**TKH**	**167**	**AD6**
32000□	16□	87.86	56□	147200□	13300□	**TK**	**167**	**AD7**
32000□	18□	78.14	63□	140100□	1 2ao 0□	**TKH**	**167**	**AD7**
32000□	21□	68.07	73□	132000□	12000□			
32000□	23□	60.74	81□	125600□	11200□			
32000□	27□	51.77	95□	117000□	25000□	**TK**	**167**	**AD8**
32000□	33□	42.89	115□	107400□	24600□	**TKH**	**167**	**AD8**
32000□	38□	36.61	135□	99700□	24200□			
28100□	43□	32.25	134□	100900□	21400□			
25100□	49□	28.77	135□	101300□	22100□			
32000□	57□	24.52	201□	81700□	19200□			
31000□	69□	20.32	235□	75900□	18800□			
28100□	81□	17.34	250□	75000□	19100□			
50000□	7.8□	179.86	43□	189900□	6070□	**TK**	**187**	**AD6**
50000□	8.5□	165.21	47□	189900□	5930□	**TKH**	**187**	**AD6**
50000□	9.7□	144 59	54□	189900□	5620□			
50000□	11□	129.69	60□	188200□	14400□	**TK**	**187**	**AD7**
50000□	12□	112.60	69□	177200□	13600□	**TKH**	**187**	**AD7**
50000□	14□	102.16	76□	169900□	13200□			
50000□	16□	88.00	89□	159000□	25500□	**TK**	**187**	**AD8**
50000□	19□	73.96	105□	147000□	25200□	**TKH**	**187**	**AD8**
50000□	22□	64.04	120□	137500□	24900□			
50000□	26□	53.36	145□	126100□	24400□			
50000□	31□	45.50*	170□	116600□	23900□			
40000□	33□	42.51	145□	128200□	20900□	**TK**	**187**	**AD8**
40000□	36□	38.57	160□	122700□	20700□	**TKH**	**187**	**AD8**
46400□	42□	33.23	216□	104700□	18700□			
43300	50	27.92	239□	100500□	18800			
39100	58	24.18	250	99900	19300□			
32600	69	20.15	250	101500	20200			
32000□	82	17.18	287	9530□	!9600			



TK37..

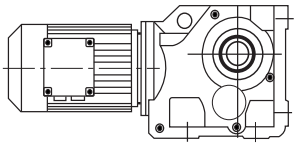






	Y 63..	Y 71D..	Y80..	Y90..	Y100M	Y100L			
AC	132□	145□	145□	197□	197□	197			
AD	105□	122□	122□	154□	166□	166			
AD1	105□	127□	127□	161□	166□	166			
B	191□	206□	256□	276□	328□	358			
B1	246□	269□	319□	361□	413□	443			
L	393□	408□	458□	478□	530□	560			
L1	448□	471□	521□	563□	615	645			

OUTLINE DIMENSION SHEET



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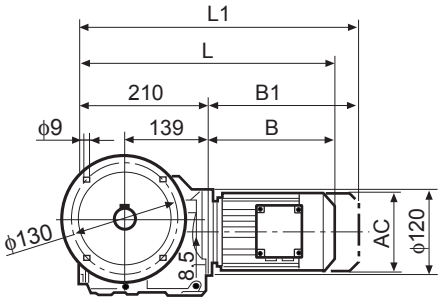

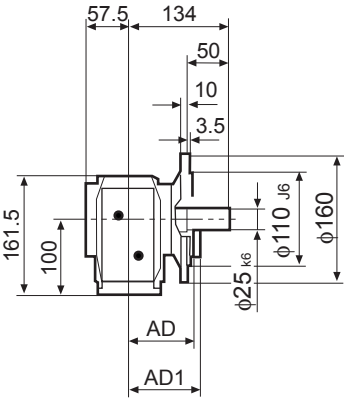

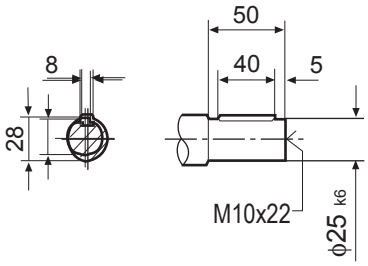

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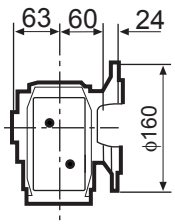

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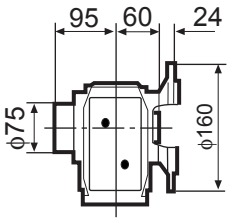

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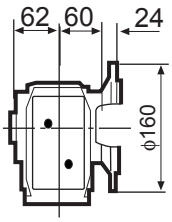
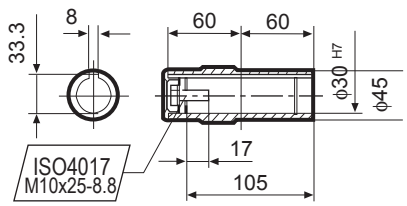
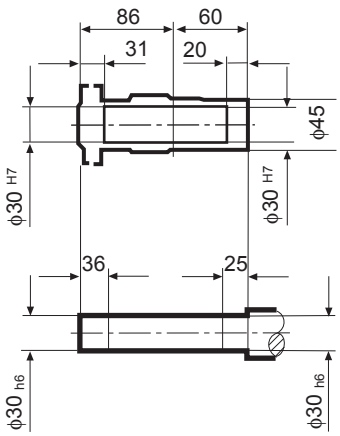
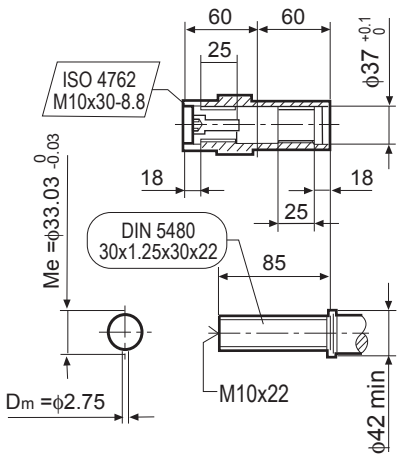
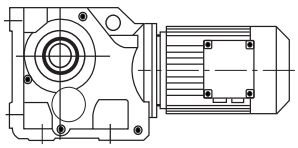








	Y63..	Y71D	Y80..	Y90..	Y100M	Y100L			
AC	132□	145□	145□	197□	197□	197			
AD	105□	122□	122□	154□	166□	166			
AD1	105□	127□	127□	161□	166□	166			
B	191□	206□	256□	276□	328□	358			
B1	246□	269□	319□	361□	413□	443			
L	401□	416□	466□	486□	538□	568			
L1	456□	479□	529□	571□	623	653			



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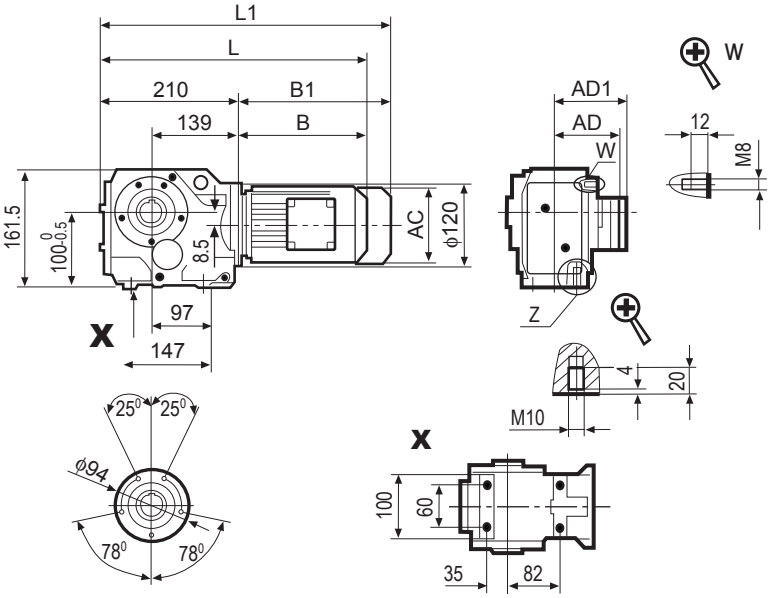

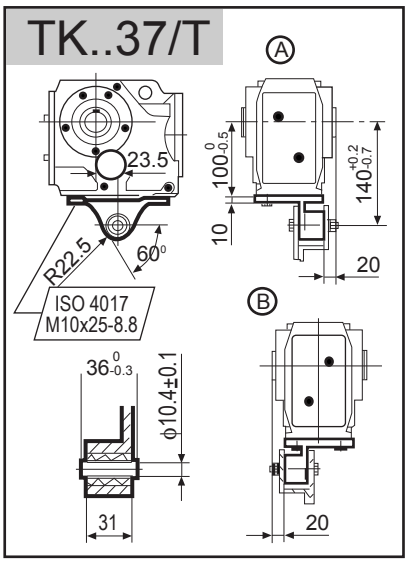

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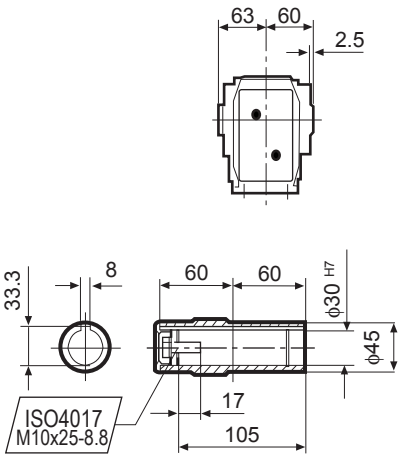

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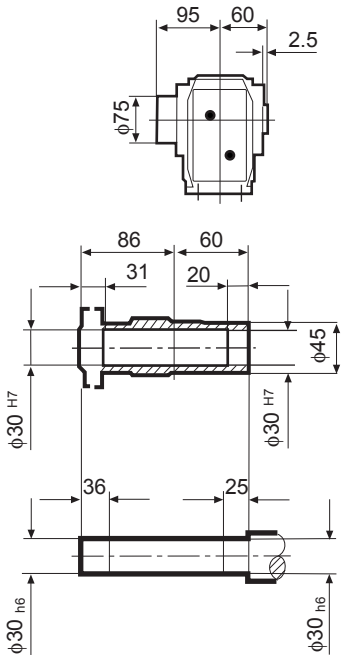

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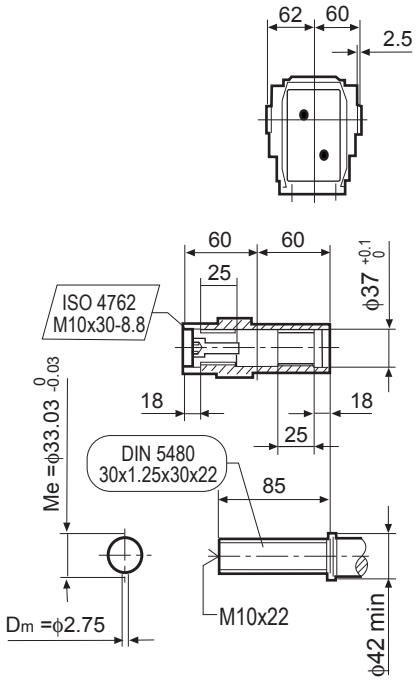
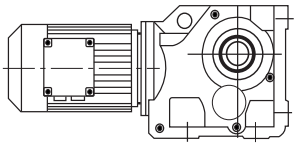


	Y63..	Y71D	Y80..	Y90...	Y100M	Y100L			
AC	132□	145□	145□	197□	197□	197			
AD	105□	122□	122□	154□	166□	166			
AD1	105□	127□	127□	161□	166□	166			
B	191□	206□	256□	276□	328□	358			
B1	246□	269□	319□	361□	413□	443			
L	401□	416□	466□	486□	53□	568			
L1	456□	479□	529□	571□	623	653			

OUTLINE DIMENSION SHEET



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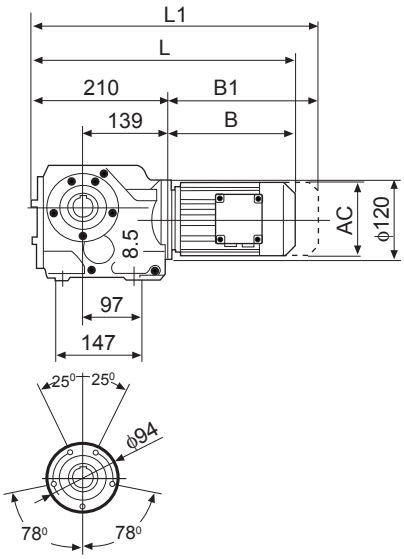

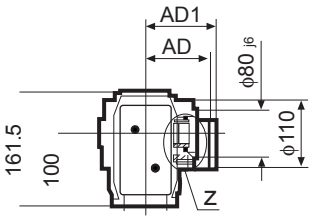

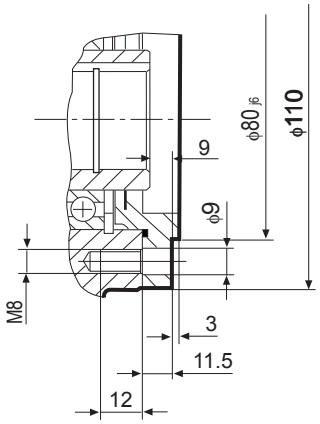

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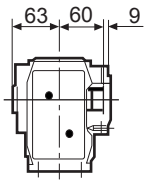

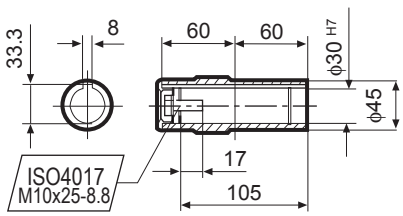

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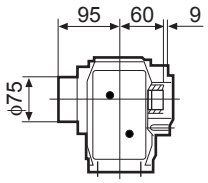

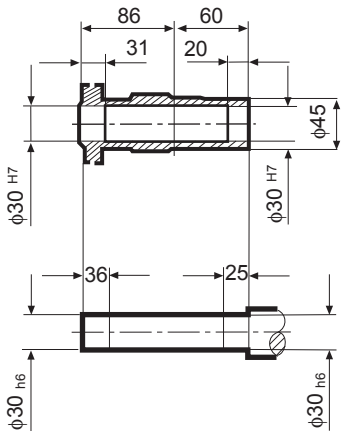

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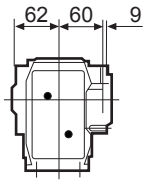
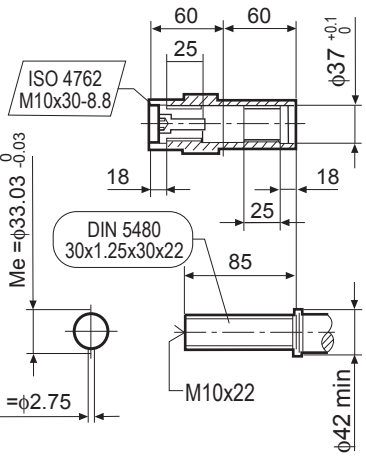
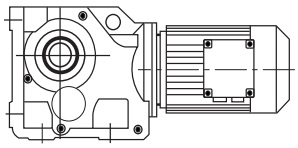
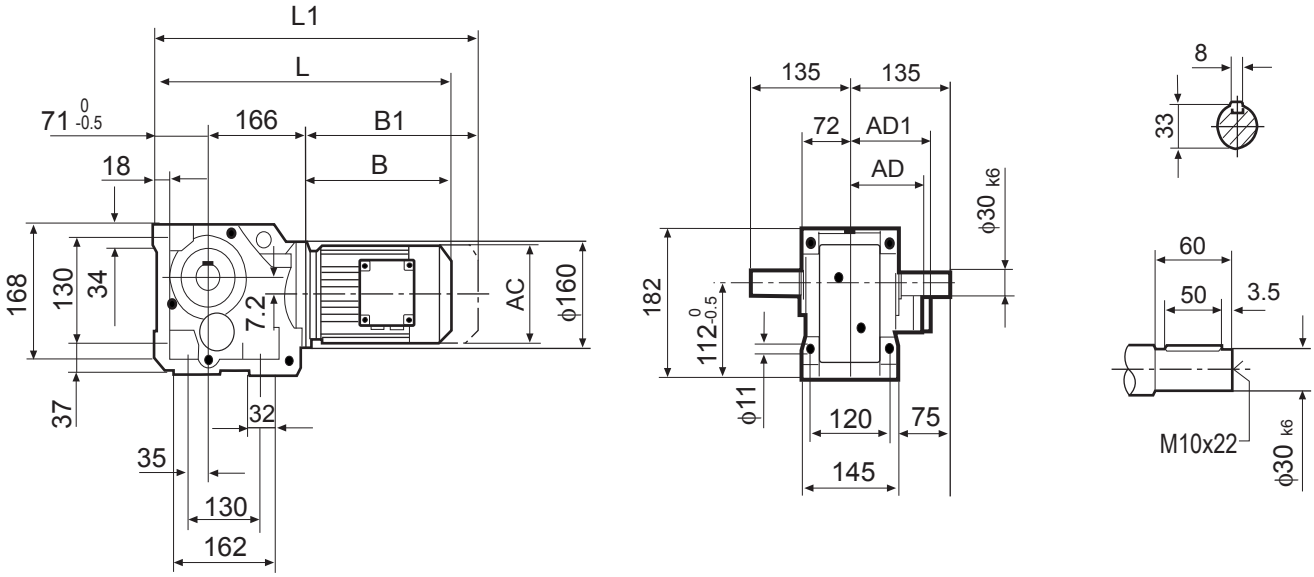




	Y63..	Y71D	Y80..	Y90..	Y100M	Y100L			
AC	132□	145□	145□	197□	197□	197			
AD	105□	122□	122□	154□	166□	166			
AD1	105□	127□	127□	161□	166□	166			
B	191□	206□	256□	276□	328□	358			
B1	246□	269□	319□	361□	413□	443			
L	401□	416□	466□	486□	538□	568			
L1	456□	479□	529□	571□	623	653			



TK 47..



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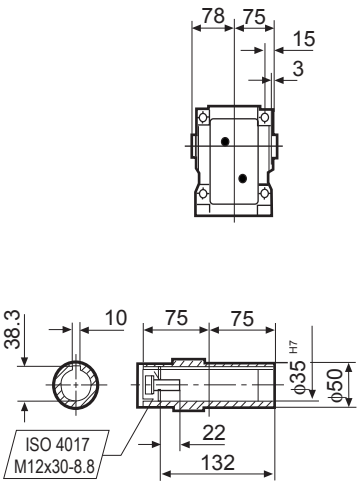

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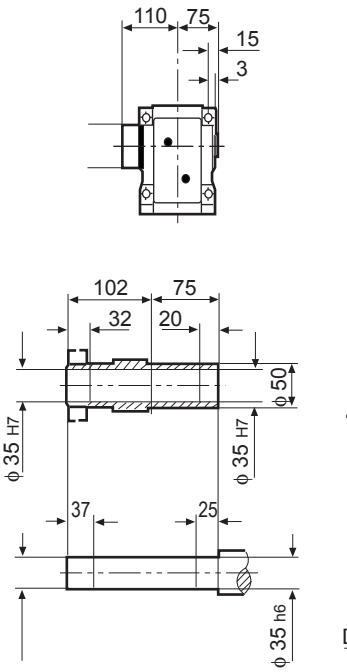

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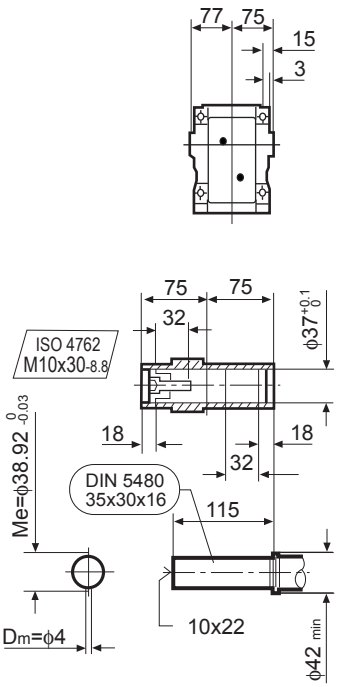
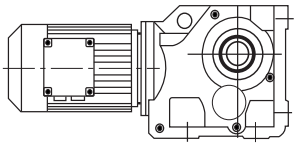


	Y63..	Y71D	Y 80..	Y90..	Y100M	Y100L			
AC	132□	145□	145□	197□	197□	197			
AD	105□	122□	122□	154□	166□	166			
AD1	105□	127□	127□	161□	166□	166			
B	185□	199□	249□	269□	319□	349			
B1	240□	263□	313□	354□	404□	434			
L	422□	436□	486□	506□	556□	586			
LI	477□	500□	550□	591□	641	671			

OUTLINE DIMENSION SHEET



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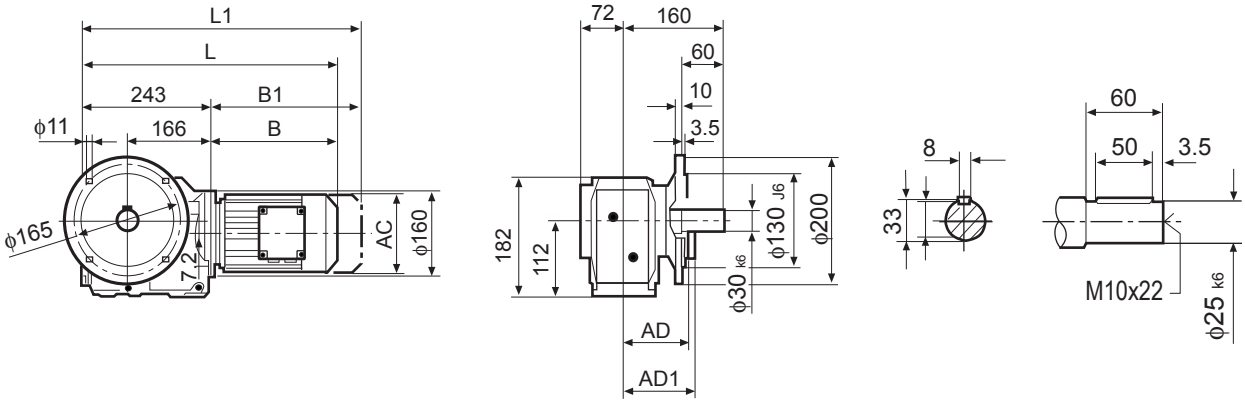

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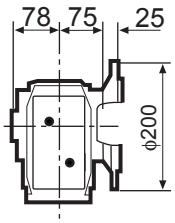

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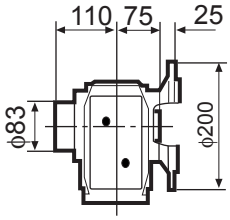

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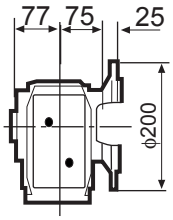
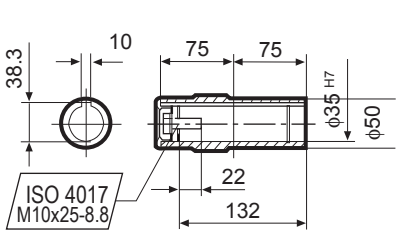
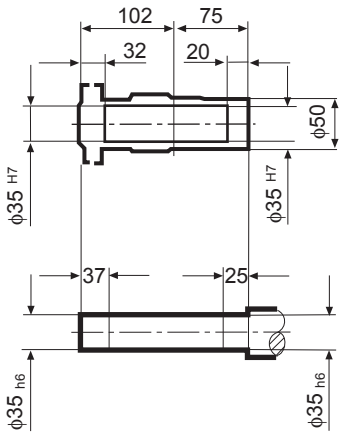
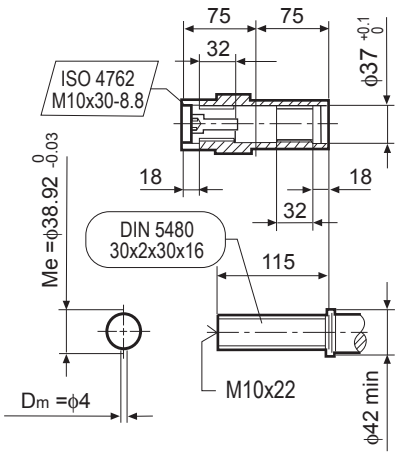
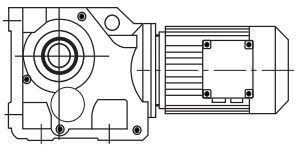




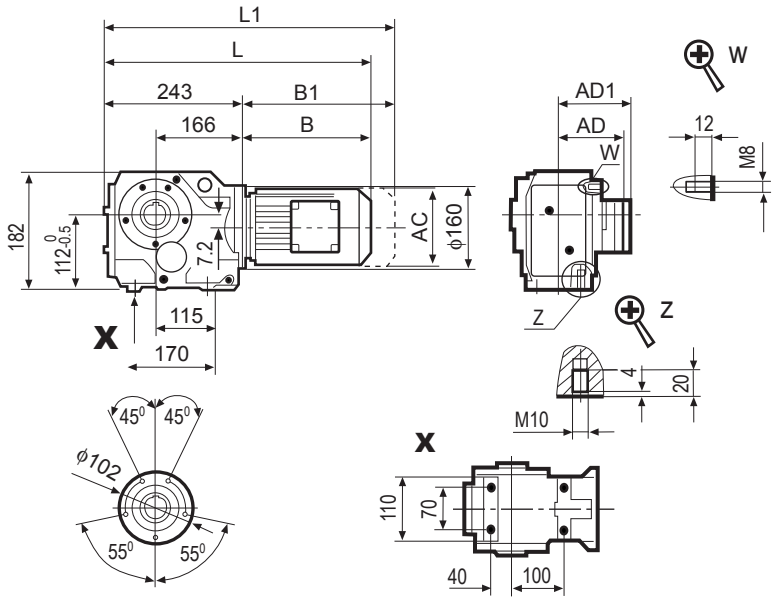


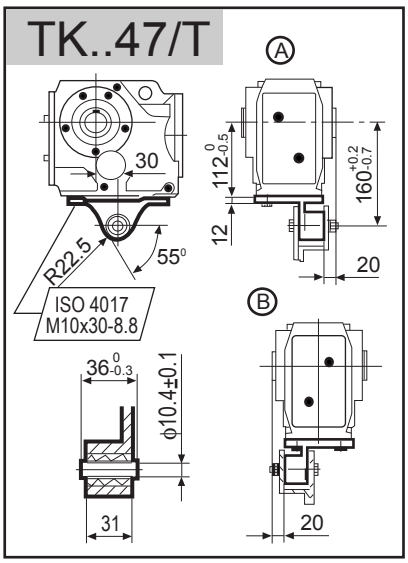


	Y63..	Y71D	Y80..	Y90..	Y100M	Y100L			
AC	132□	145□	145□	197□	197□	197			
AD	105□	122□	122□	154□	166□	166			
AD1	105□	127□	127□	161□	166□	166			
B	185□	199□	249□	269□	319□	349			
B1	240□	263□	313□	354□	404□	434			
L	428□	442□	492□	512□	562□	592			
L1	483□	506□	556□	597□	647	677			



TKA 47..





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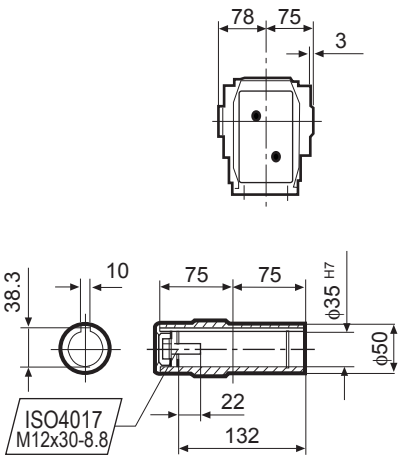

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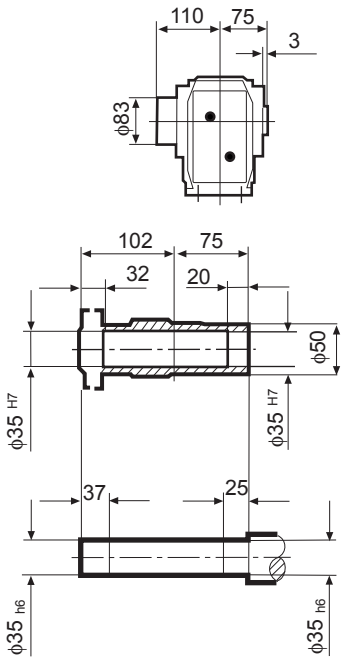

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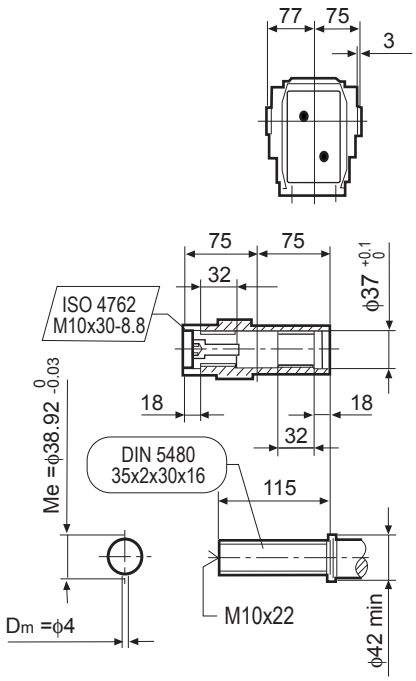
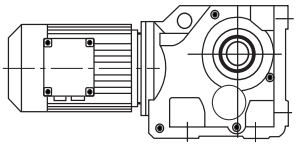
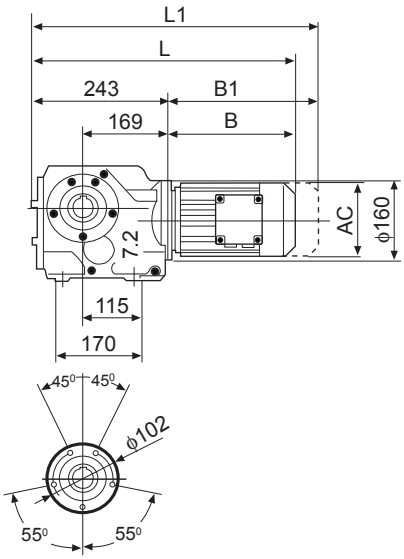


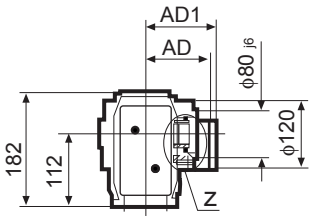
	Y63..□	Y71D□	Y80..□	Y90..□	YI00M□	Y100L			
AC□	132□	145□	145□	197□	197□	197			
AD□	105□	122□	122□	154□	166□	166			
AD1□	105□	127□	127□	161□	166□	166			
B□	185□	199□	249□	269□	319□	349			
B1□	240□	263□	313□	354□	404□	434			
L□	428□	442□	492□	512□	562□	592			
L1□	483□	506□	556□	597□	647	677			

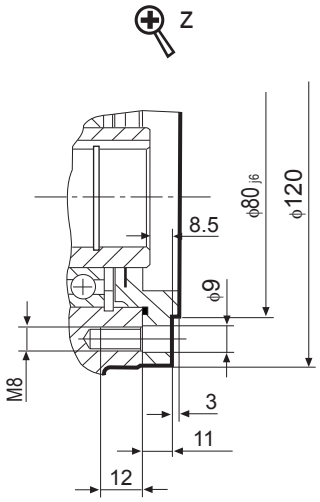
OUTLINE DIMENSION SHEET



TKAZ 47..







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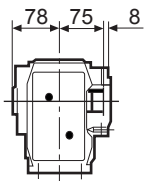

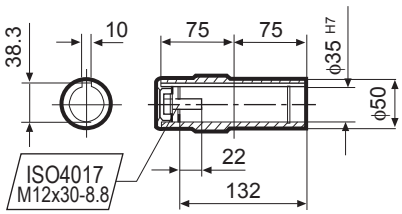

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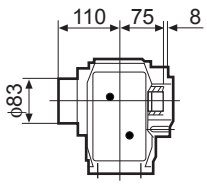
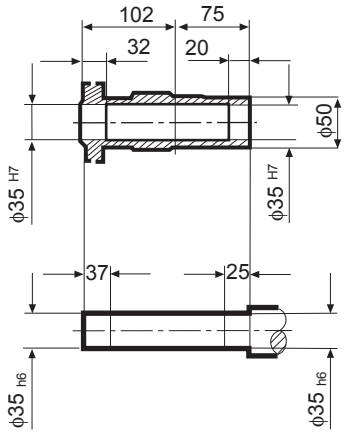
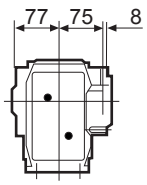
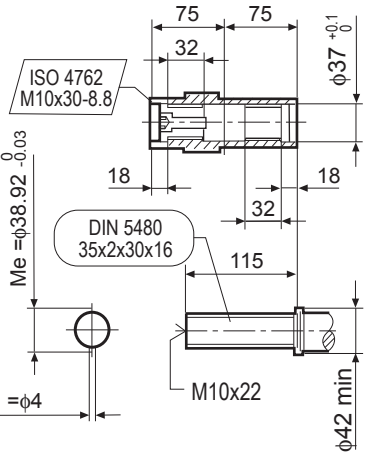


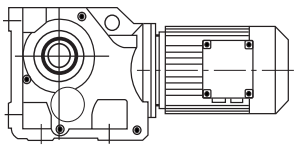


TKVZ 47..

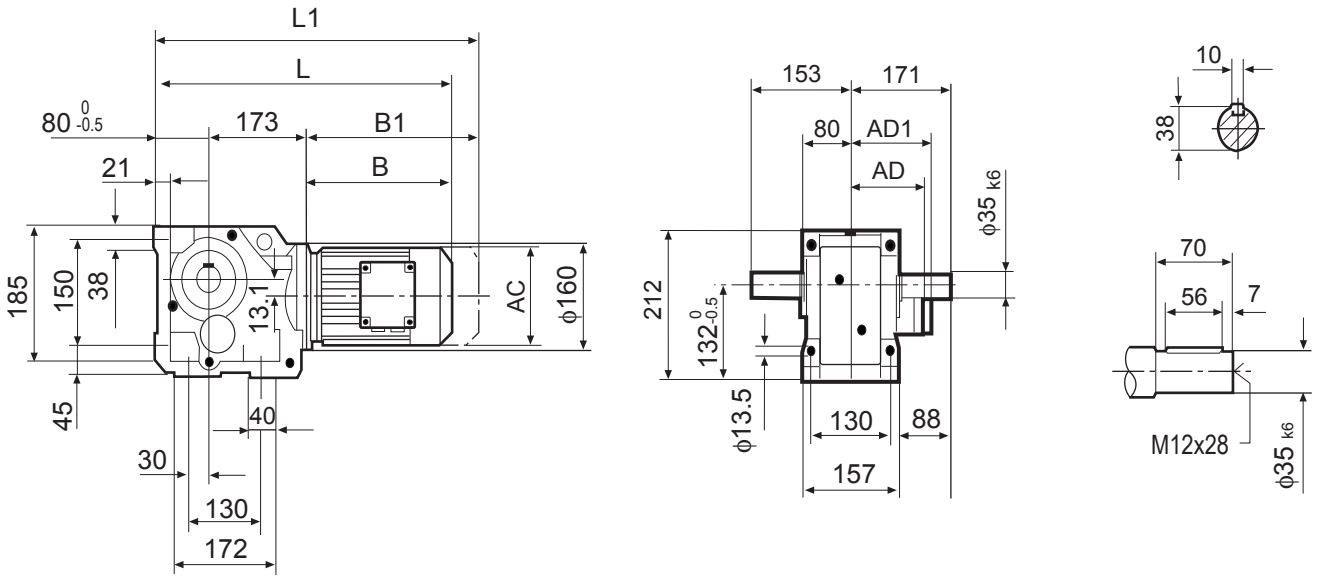




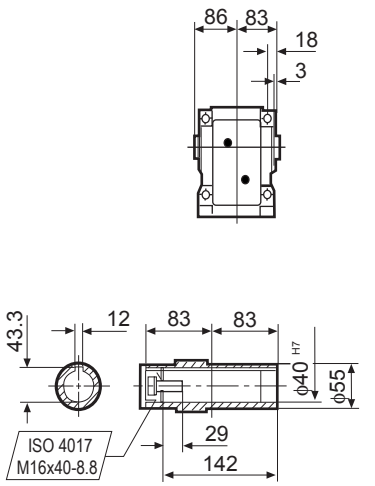
	Y63..□	Y71D□	Y80..□	Y90..□	Y100M□	Y100L..			
AC□	132□	145□	145□	197□	197□	197			
AD□	105□	122□	122□	154□	166□	166□			
AD1□	105□	127□	127□	161□	166□	166			
B□	185□	199□	249□	269□	319□	349			
B1□	240□	263□	313□	354□	404□	434			
L□	428□	442□	492□	512□	562□	592□			
L1□	483□	506□	556□	597□	647	677			



TK 57..



TKA 57B..



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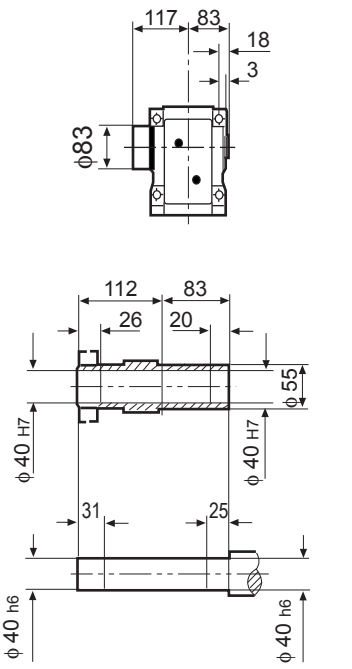
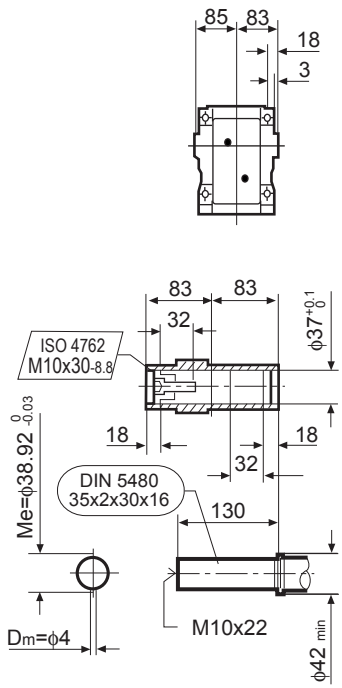
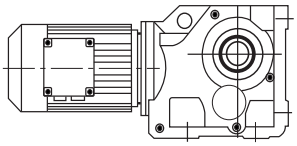


TKV 57B..

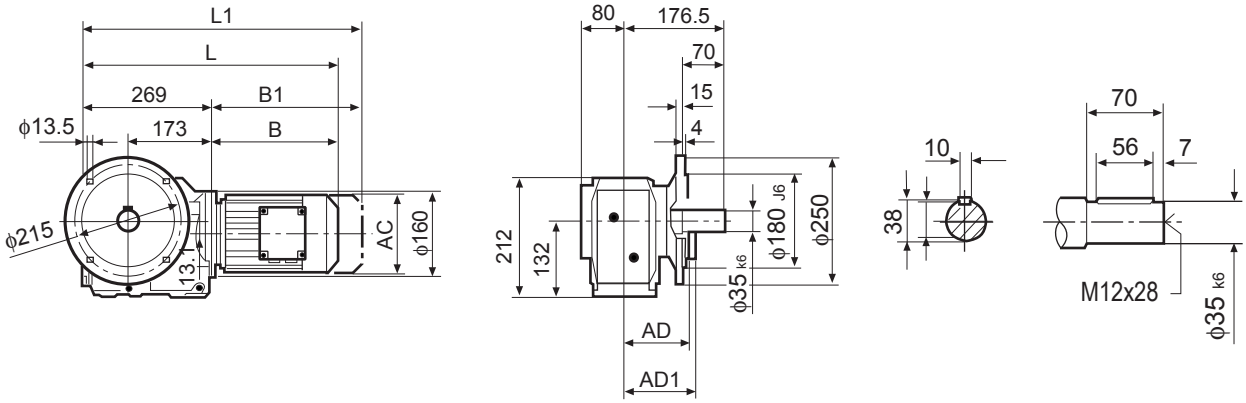


	Y63..□	Y71D□	Y80..□	Y90..□	Y100M□	Y1001□	Y112M□		
AC□	132□	145□	145□	197□	197□	197□	221□		
AD□	105□	122□	122□	154□	166□	166□	179□		
AD1□	105□	127□	127□	161□	166□	166□	182□		
B□	185□	199□	249□	269□	319□	349□	354□		
B1□	240□	263□	313□	354□	404□	434□	434□		
L□	438□	452□	502□	522□	572□	602□	607□		
L1□	493□	516□	566□	607□	657□	687	687		

OUTLINE DIMENSION SHEET



TKF57..



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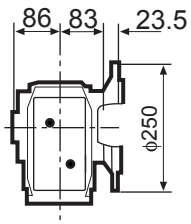

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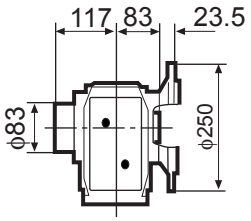

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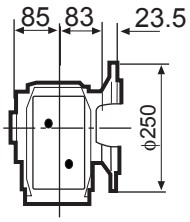
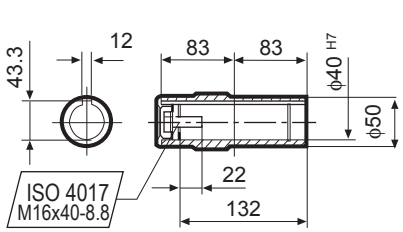
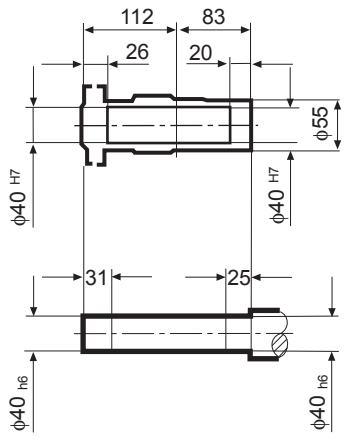
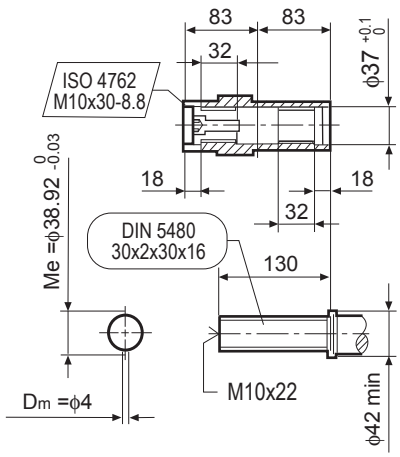
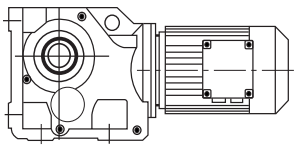




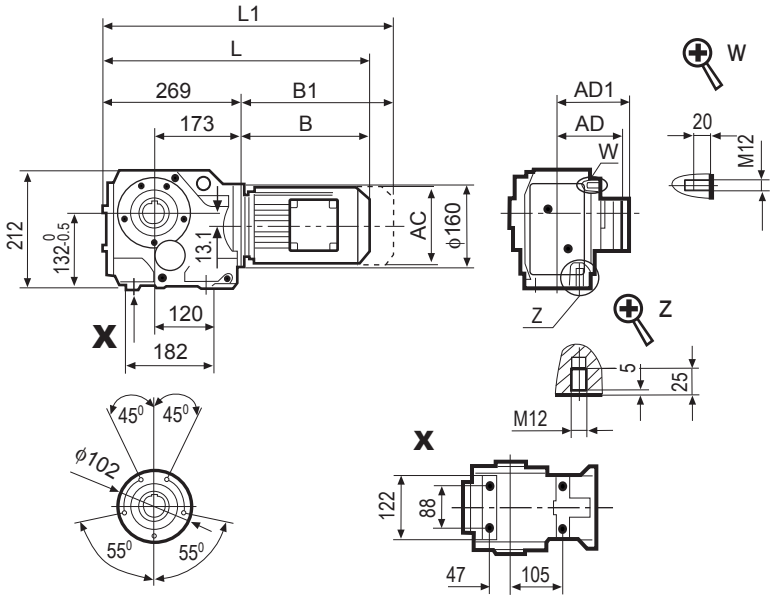


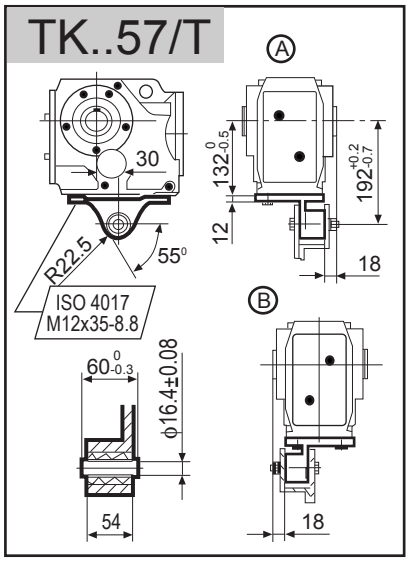


	Y63..□	Y71D□	Y80..□	Y90..□	Y100M□	Y100L□	Y112M		
AC□	132□	145□	145□	197□	197□	197□	221		
AD□	105□	122□	122□	154□	166□	166□	179		
AD1□	105□	127□	127□	161□	166□	166□	182		
B□	185□	199□	249□	269□	319□	349□	354		
B1□	240□	263□	313□	354□	404□	434□	434		
L□	454□	468□	518□	538□	588□	618□	623		
L1□	509□	532□	582□	623□	673□	703	703		



TKA 57..





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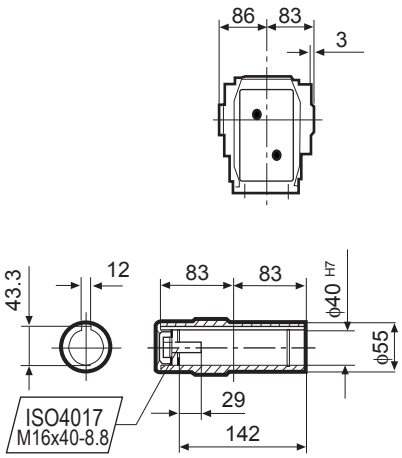

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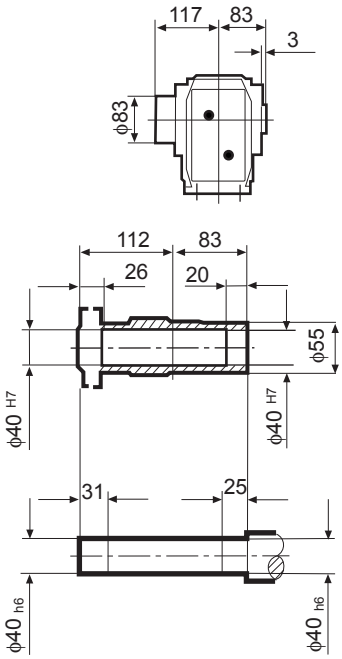

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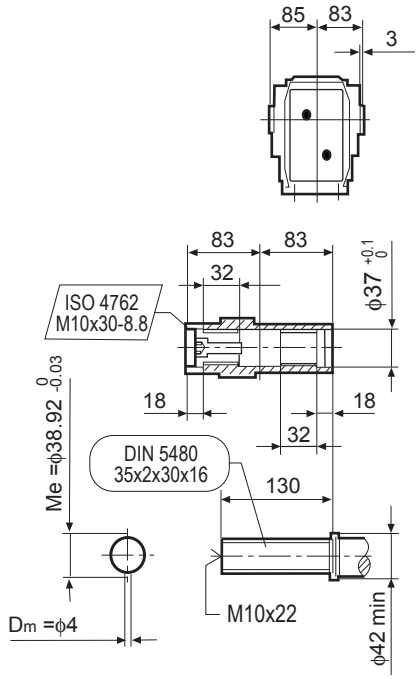
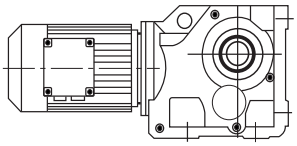
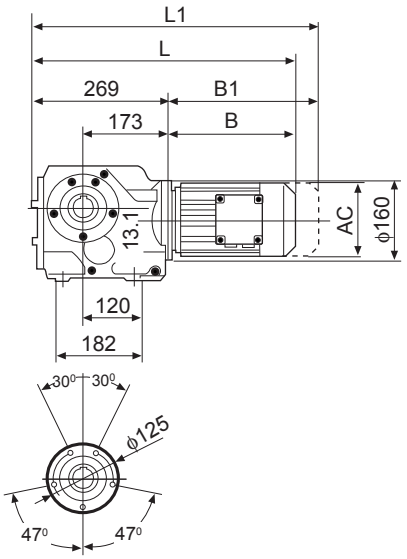


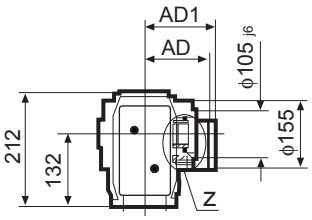
	Y63..□	Y71D□	Y80..□	Y90..□	Y100M□	Y100L□	Y112M		
AC□	132□	145□	145□	197□	197□	197□	221		
AD□	105□	122□	122□	154□	166□	166□	179		
AD1□	105□	127□	127□	161□	166□	166□	182		
B□	185□	199□	249□	269□	319□	349□	354		
B1□	240□	263□	313□	354□	404□	434□	434		
L□	454□	468□	518□	538□	588□	618□	623		
L1□	509□	532□	582□	623□	673□	703	703		

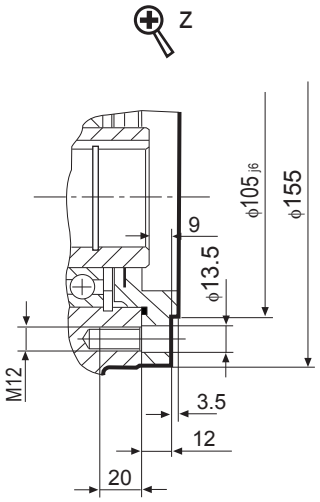
OUTLINE DIMENSION SHEET



TKAZ 57..







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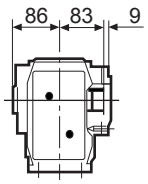

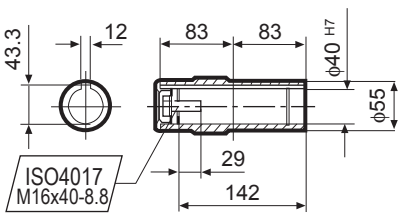

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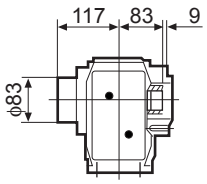
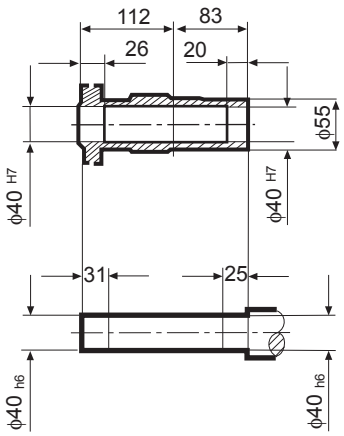
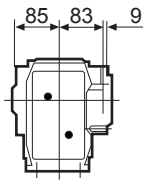
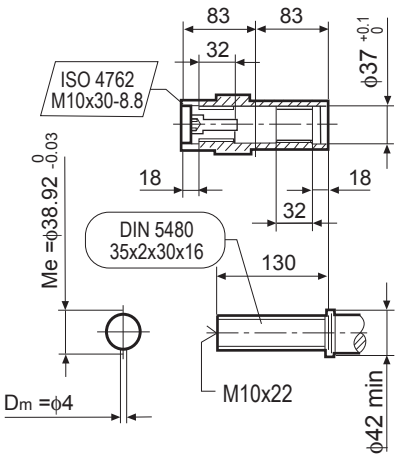


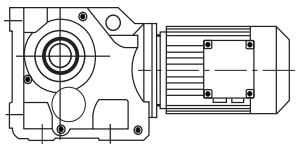


TKVZ 57..

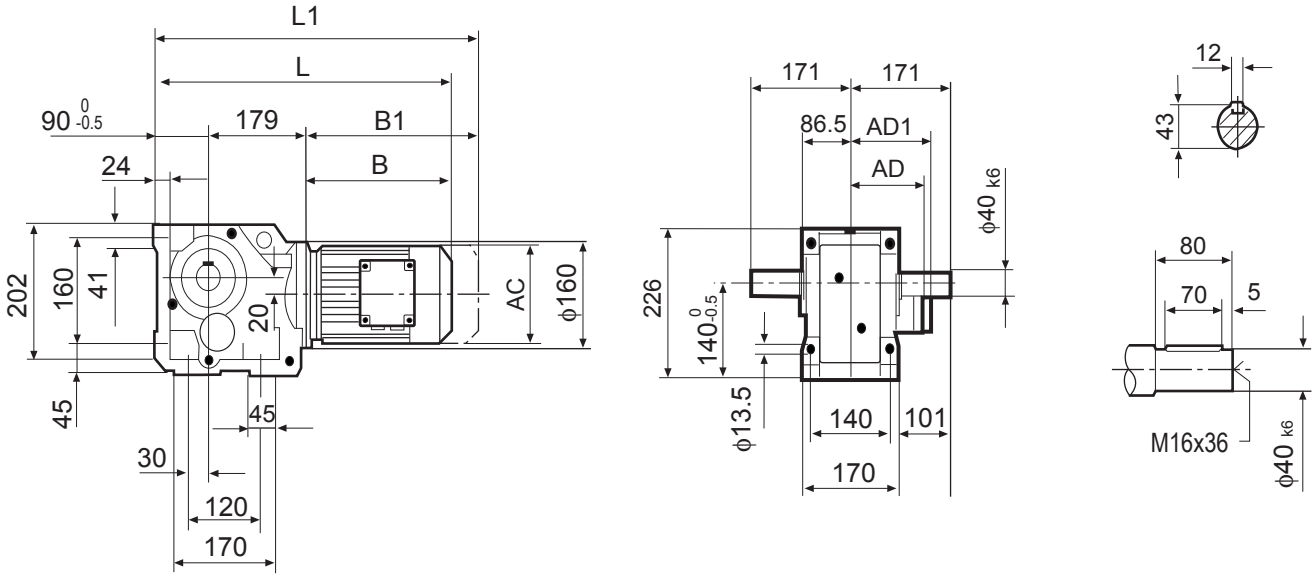




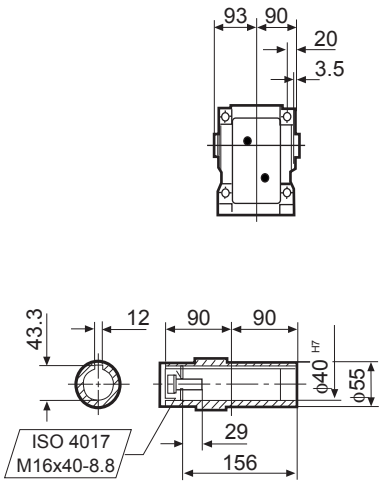
	Y63..□	Y71D□	Y80..□	Y90..□	Y100M□	Y100L□	Y112M		
AC□	132□	145□	145□	197□	197□	197□	221		
AD□	105□	122□	122□	154□	166□	166□	179		
AD1□	105□	127□	127□	161□	166□	166□	182		
B□	185□	199□	249□	269□	319□	349□	354		
B1□	240□	263□	313□	354□	404□	434□	434		
L□	454□	468□	518□	538□	588□	618□	623		
L1□	509□	532□	582□	623□	673□	703	703		



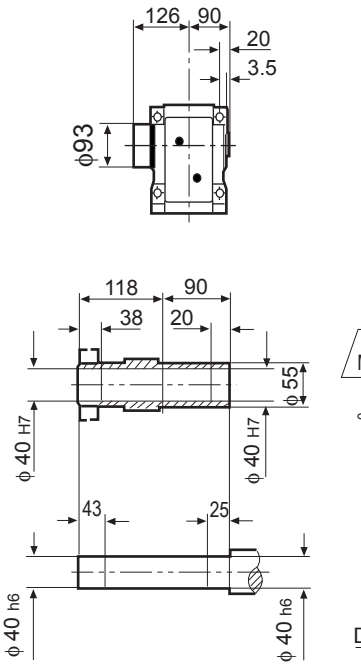
TK 67..



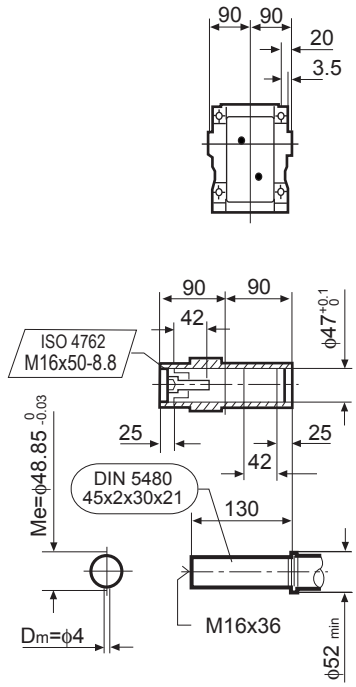
TKA 67B..



TKH 67B..

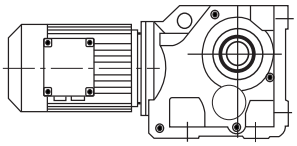


TKV 67B..



	Y63..□	Y71D□	Y80..□	Y90..□	Y100M□	Y100L□	Y112M□	Y132S	
AC□	132□	145□	145□	197□	197□	197□	221□	221	
AD□	105□	122□	122□	154□	166□	166□	179□	179	
AD1□	105□	127□	127□	161□	166□	166□	182□	182	
B□	185□	199□	249□	269□	319□	349□	354□	402	
B1□	240□	263□	313□	354□	404□	434□	434□	482	
L□	454□	468□	518□	538□	588□	618□	623□	671	
L1□	509□	532□	582□	623□	673□	703□	703	751	

OUTLINE DIMENSION SHEET



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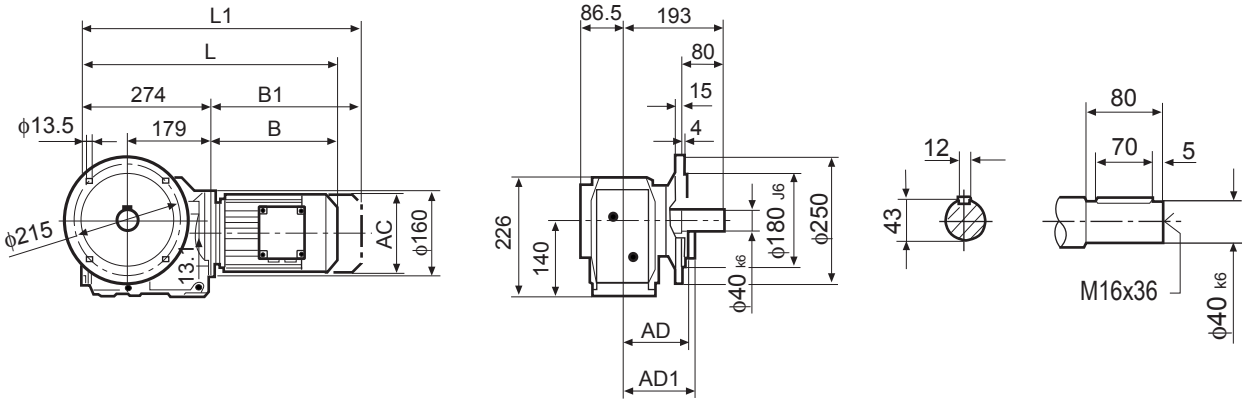

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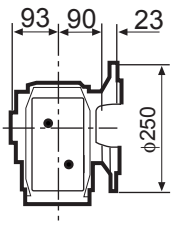
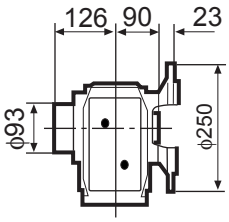


TKHF67..



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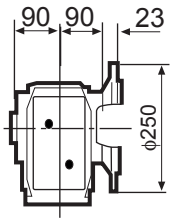
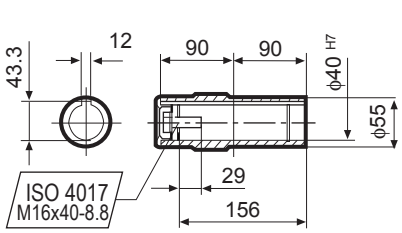
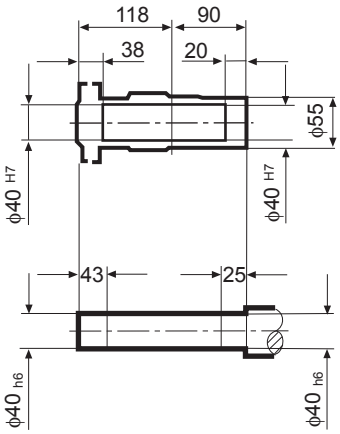
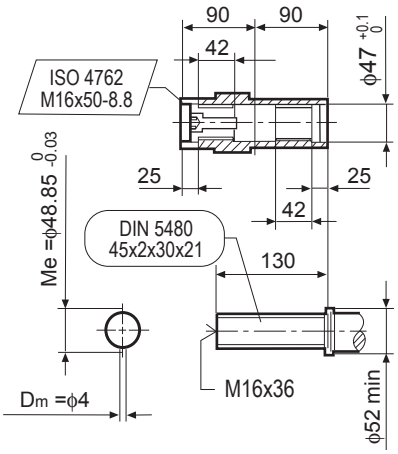
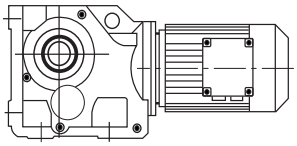




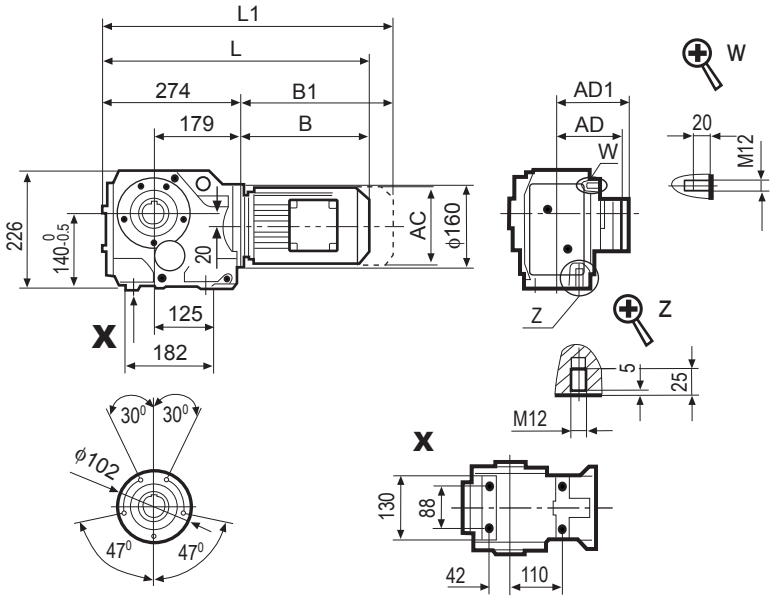




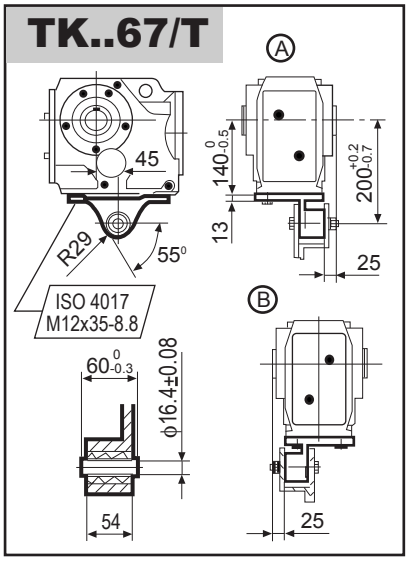
	Y63..□	Y71D□	Y80..□	Y90..□	Y100M□	Y100L□	Y112M□	Y132S	
AC□	132□	145□	145□	197□	197□	197□	221□	221	
AD□	105□	122□	122□	154□	166□	166□	179□	179	
AD1□	105□	127□	127□	161□	166□	166□	182□	182	
B□	185□	199□	249□	269□	319□	349□	354□	402	
B1□	240□	263□	313□	354□	404□	434□	434□	482	
L□	459□	473□	523□	543□	593□	623□	628□	676	
L1□	514□	537□	587□	628□	678□	708□	708	756	



TKA 67..



TK..67/T



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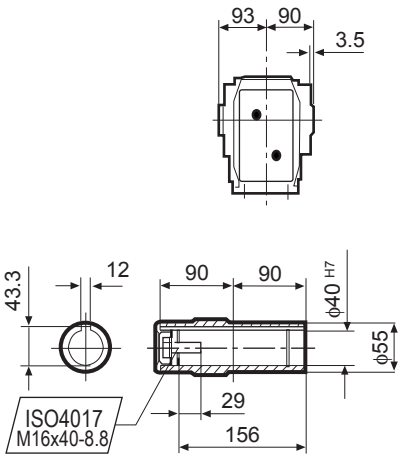

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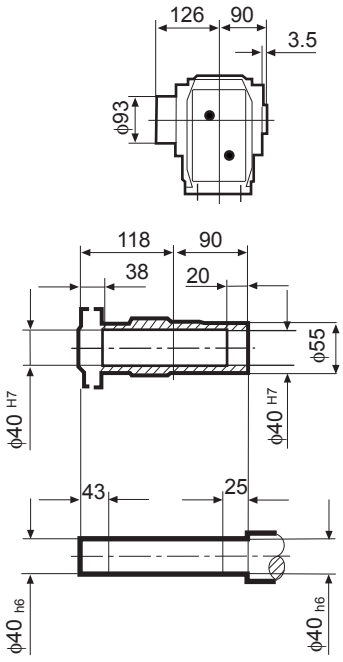

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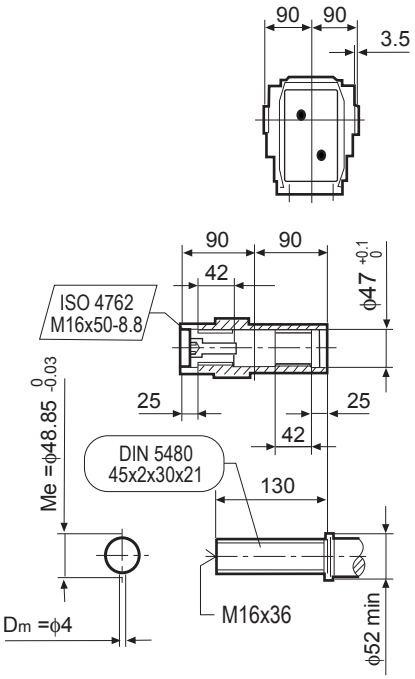
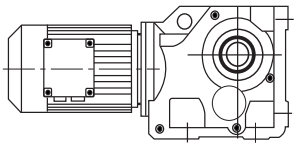


	Y63..□	Y71D□	Y80..□	Y90..□	Y100M□	Y100L□	Y112M□	Y132S	
AC□	132□	145□	145□	197□	197□	197□	221□	221	
AD□	105□	122□	122□	154□	166□	166□	179□	179	
AD1□	105□	127□	127□	161□	166□	166□	182□	182	
B□	185□	199□	249□	269□	319□	349□	354□	402	
B1□	240□	263□	313□	354□	404□	434□	434□	482	
L□	459□	473□	523□	543□	593□	623□	628□	676	
L1□	514□	537□	587□	628□	678□	708□	708	756	

OUTLINE DIMENSION SHEET



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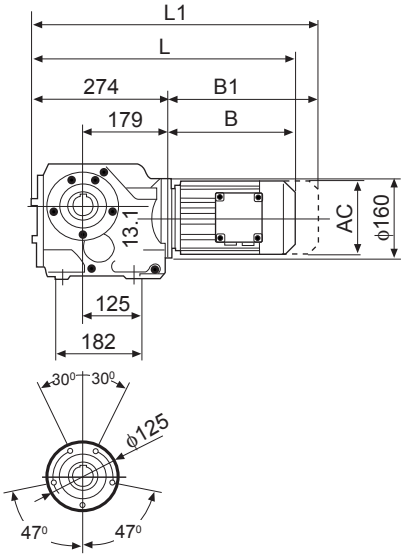
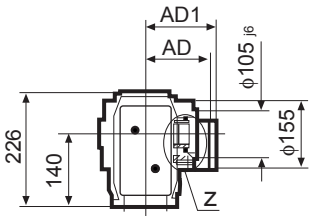
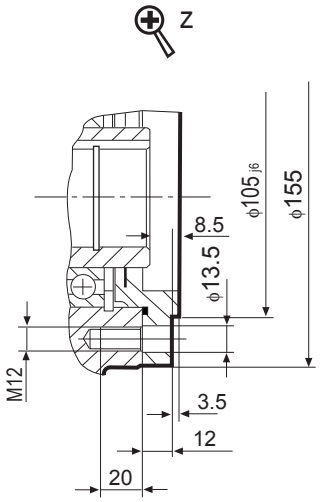
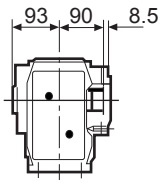
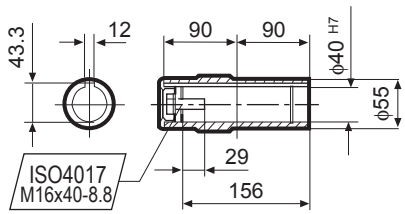






TKAZ 67..





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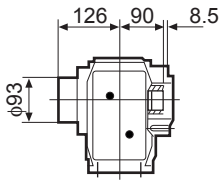

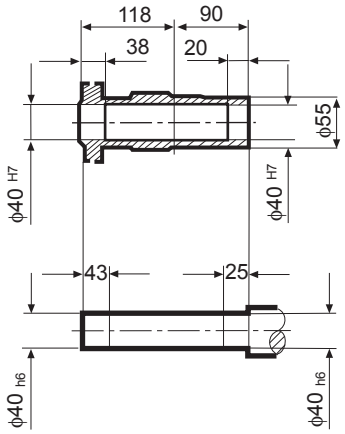

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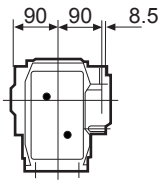
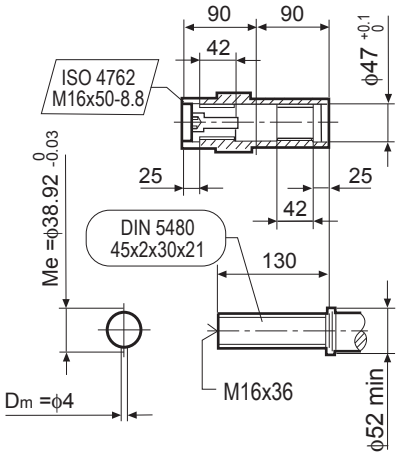
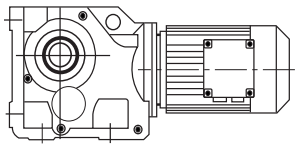
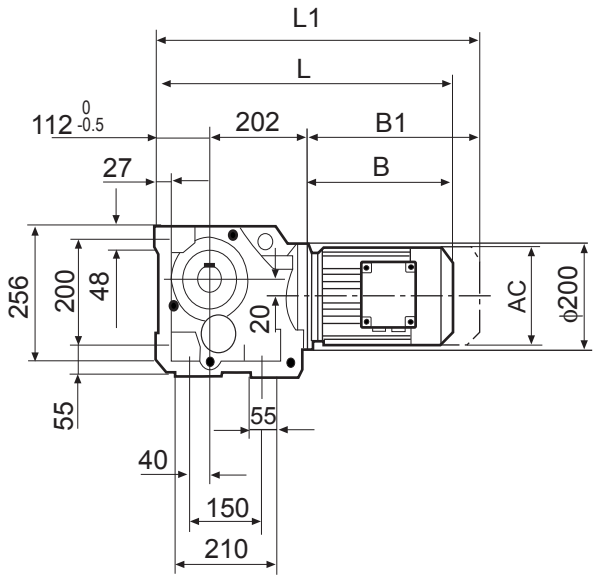


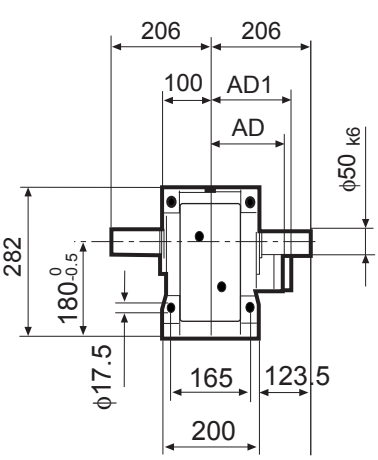


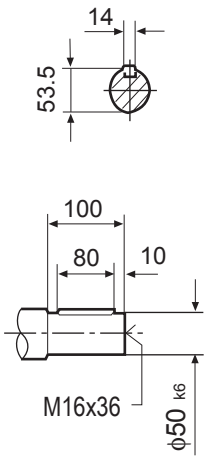
	Y63..□	Y71D□	Y80..□	Y90..□	Y100M□	Y100L□	Y112M□	Y132S	
AC□	132□	145□	145□	197□	197□	197□	221□	221	
AD□	105□	122□	122□	154□	166□	166□	179□	179	
AD1□	105□	127□	127□	161□	166□	166□	182□	182	
B□	185□	199□	249□	269□	319□	349□	354□	402	
B1□	240□	263□	313□	354□	404□	434□	434□	482	
L□	459□	473□	523□	543□	593□	623□	628□	676	
L1□	514□	537□	587□	628□	678□	706□	708	756	



TK 77..







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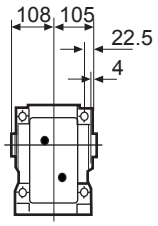

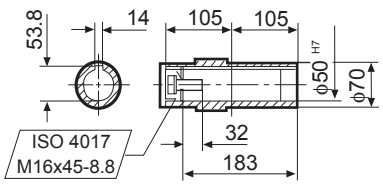

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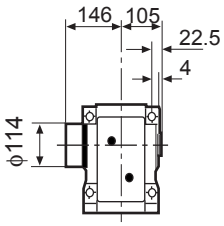

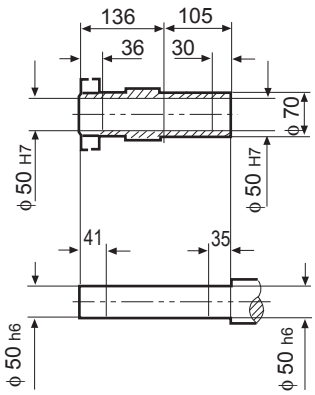

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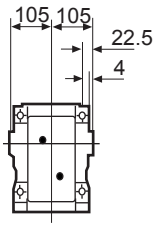
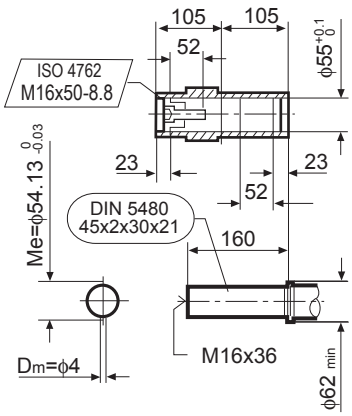
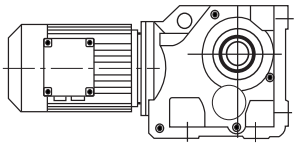




	Y71D□	Y80..□	Y90..□	Y100M□	Y100L□	Y112M□	Y132S□	Y132M□	Y132ML□	Y160M
AC□	145□	145□	197□	197□	197□	221□	221□	275□	275□	275
AD□	122□	122□	154□	166□	166□	179□	179□	230□	230□	230
AD1□	127□	127□	161□	166□	166□	182□	182□	230□	230□	230
B□	193□	243□	261□	311□	341□	345□	390□	412□	472□	472
B1□	257□	307□	346□	396□	426□	425□	470□	524□	584□	584
L□	507□	557□	575□	625□	655□	659□	704□	726□	786□	786
L1□	571□	621□	660□	710□	740□	739□	784□	838□	898	898

OUTLINE DIMENSION SHEET



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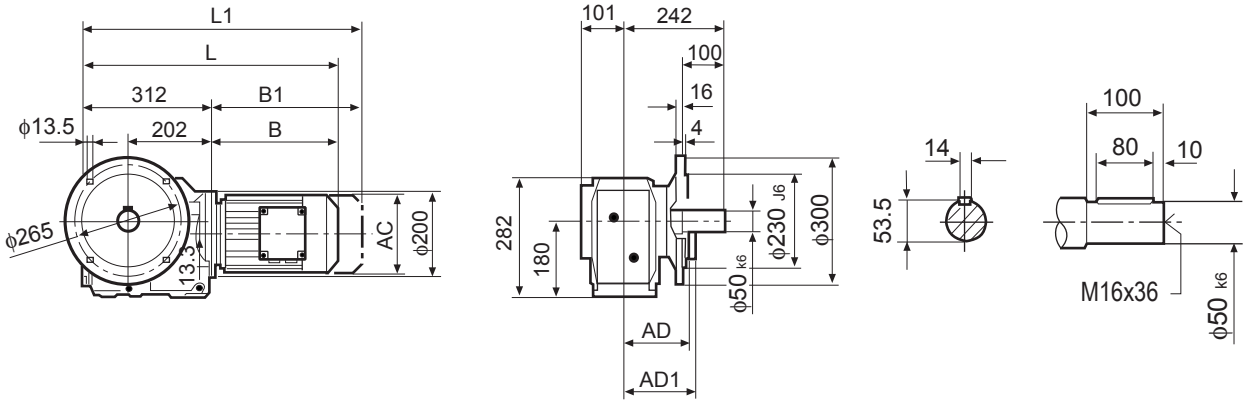

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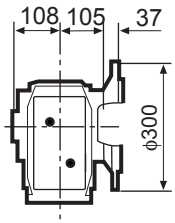

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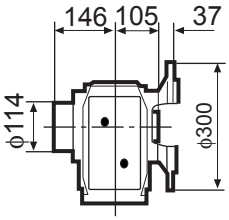

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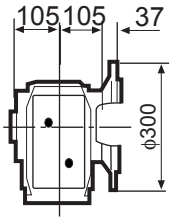
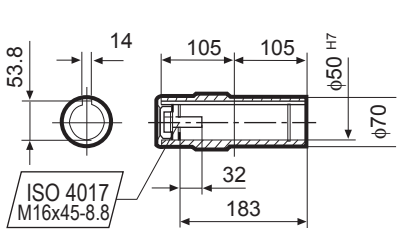
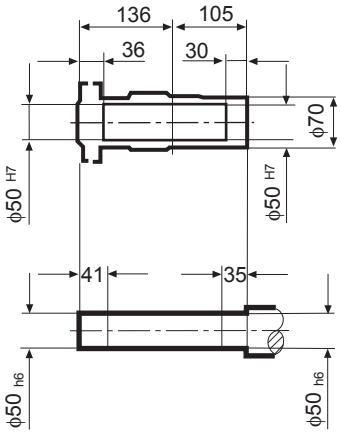
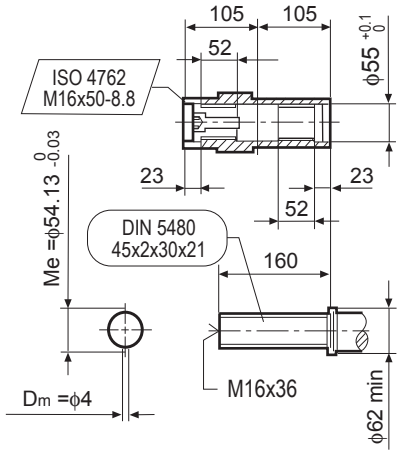
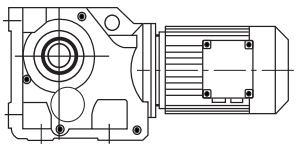




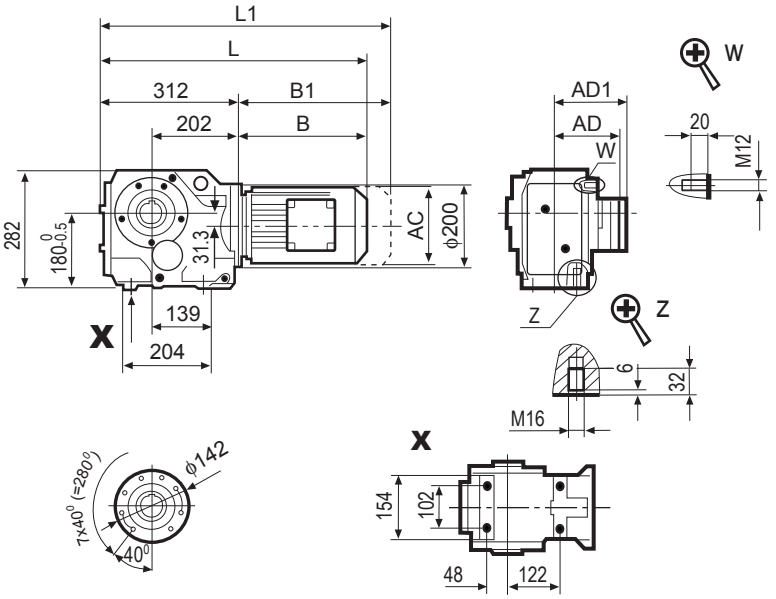


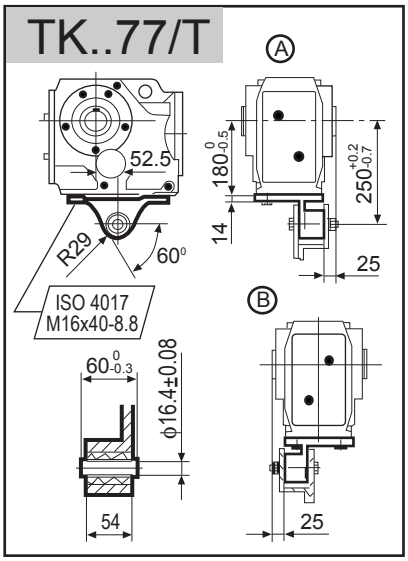


	Y71D□	Y80..□	Y90..□	Y100M□	Y100L□	Y112M□	Y132S□	Y132M□	Y132ML□	Y160M
AC□	145□	145□	197□	197□	'197□	221□	221□	275□	275□	275
AD□	122□	122□	154□	166□	166□	179□	179□	230□	230□	230
AD1□	127□	127□	161□	166□	166□	182□	182□	230□	230□	230
B□	193□	243□	261□	311□	341□	345□	390□	412□	472□	472
B1□	257□	307□	346□	396□	426□	425□	470□	524□	584□	584
L□	505□	555□	573□	623□	653□	657□	702□	724□	784□	784
L1□	569□	619□	658□	708□	738□	737□	782□	836□	896	896



TKA 77..





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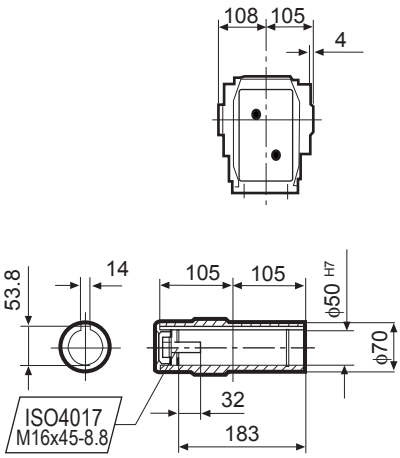

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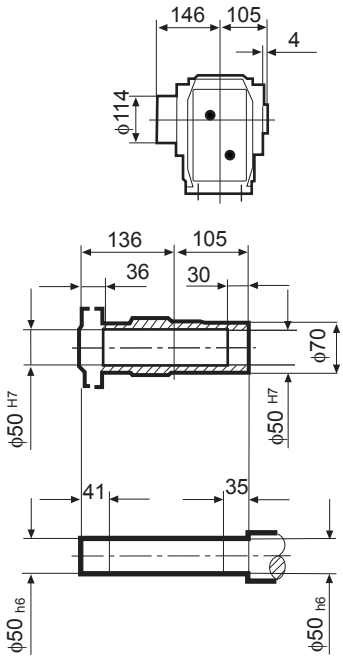

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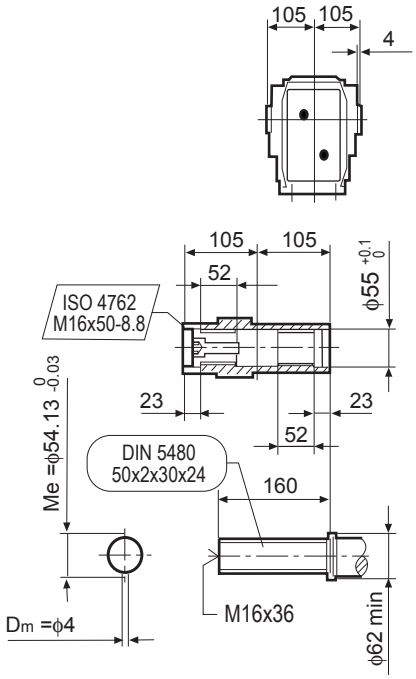
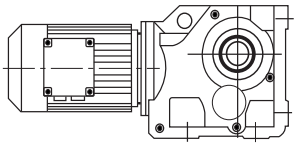


	Y71D□	Y80..□	Y90..□	Y100M□	Y100L□	Y112M□	Y132S□	Y132M□	Y132ML□	Y160M
AC□	145□	145□	197□	197□	197□	221□	221□	275□	275□	275
AD□	122□	122□	154□	166□	166□	179□	179□	230□	230□	230
AD1□	127□	127□	161□	166□	166□	182□	182□	230□	230□	230
B□	193□	243□	261□	311□	341□	345□	390□	412□	472□	472
B1□	257□	307□	346□	396□	426□	425□	470□	524□	584□	584
L□	505□	555□	573□	623□	653□	657□	702□	724□	784□	784
L1□	569□	619□	658□	708□	738□	737□	782□	836□	896	896

OUTLINE DIMENSION SHEET



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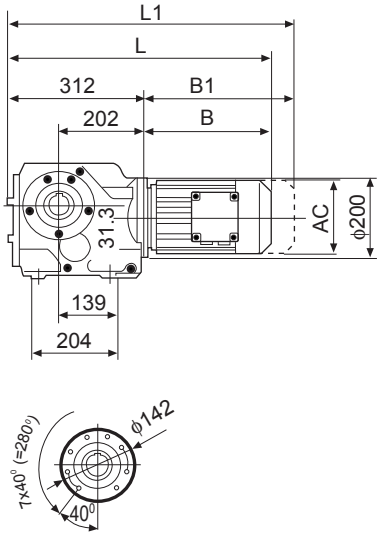

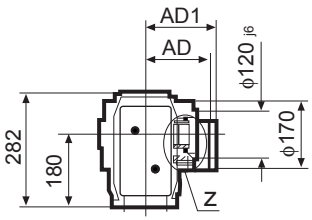

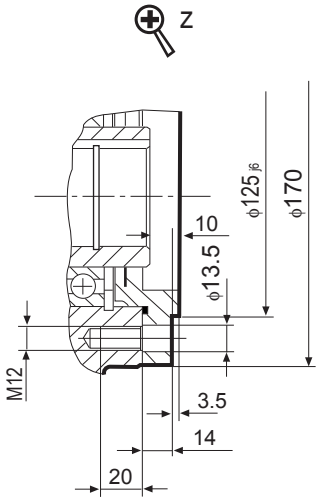

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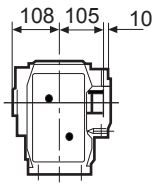

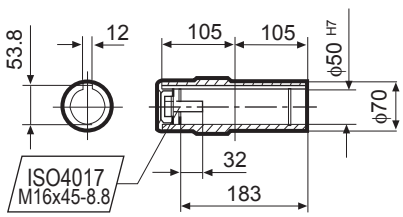

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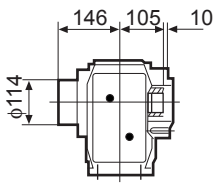

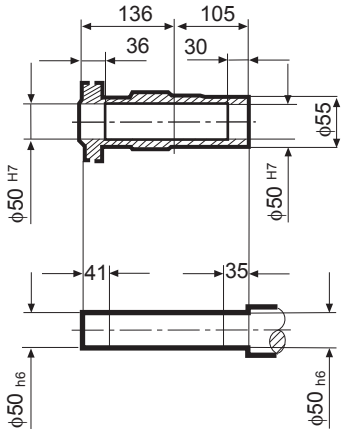

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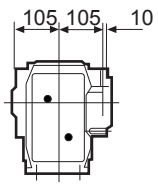

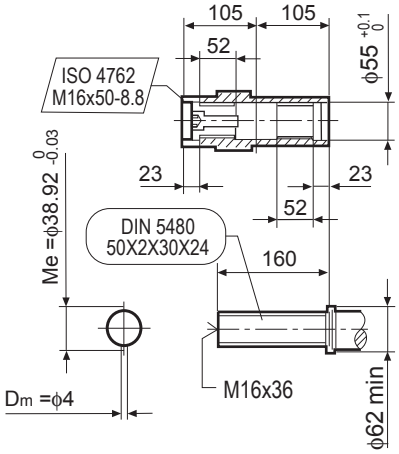

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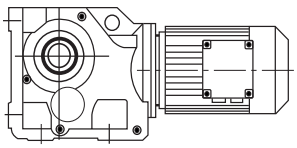
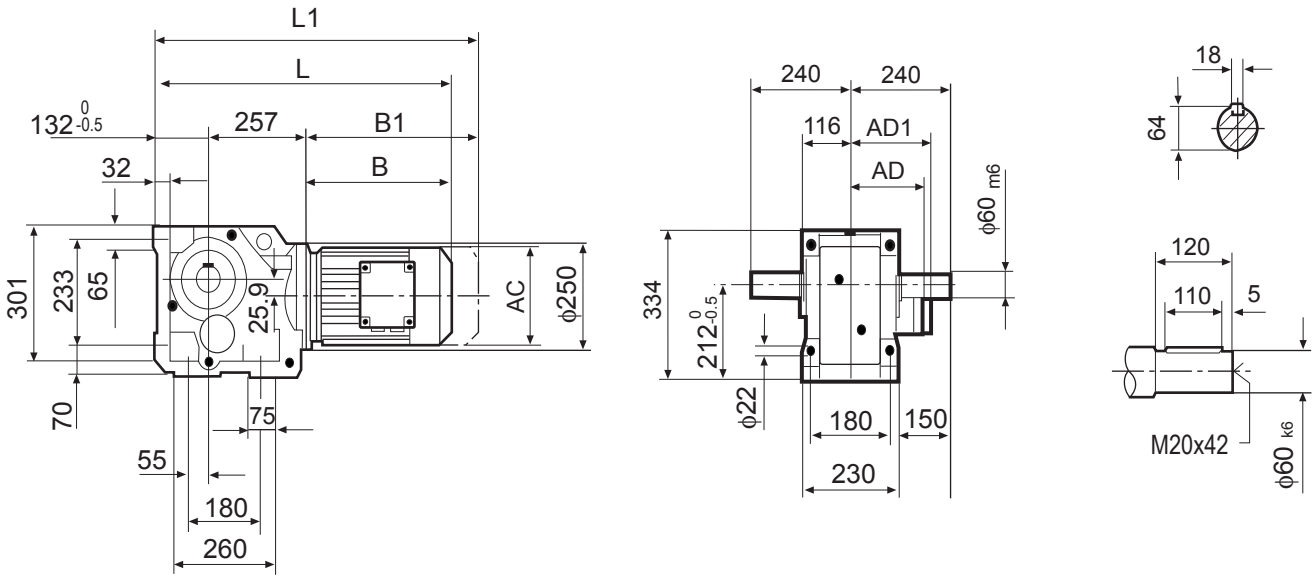
AC□	145□	145□	197□	197□	197□	221□	221□	275□	275□	275
AD□	122□	122□	154□	166□	166□	179□	179□	230□	230□	230
AD1□	127□	127□	161□	166□	166□	182□	182□	230□	230□	230
B□	193□	243□	261□	311□	341□	345□	390□	412□	472□	472
B1□	257□	307□	346□	396□	426□	425□	470□	524□	584□	584
L□	505□	555□	573□	623□	653□	657□	702□	724□	784□	784
L1□	569□	619□	658□	708□	738□	737□	782□	836□	896	896



TK 87..



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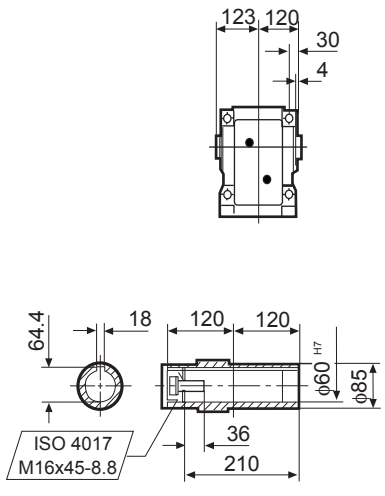

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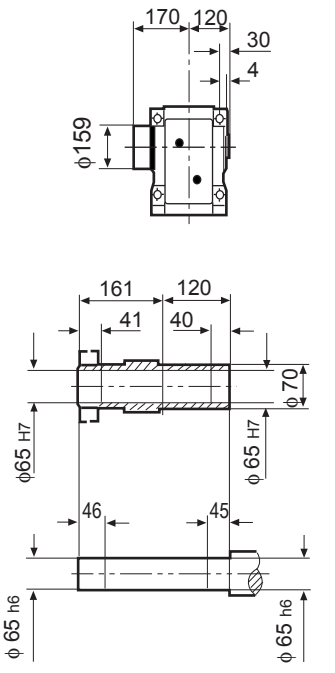

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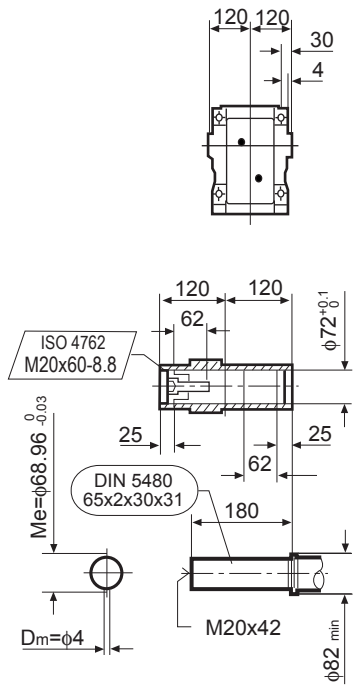

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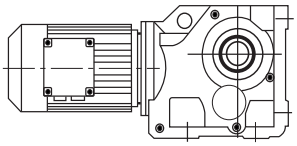
AC□	145□	197□	197□	197□	221□	221□	275□	275□	275□	331□	331
AD□	122□	154□	166□	166□	179□	179□	230□	230□	230□	258□	258
AD1□	127□	161□	166□	166□	182□	182□	230□	230□	230□	258□	258
B□	238□	257□	307□	337□	340□	385□	407□	467□	467□	514□	586
B1□	302□	342□	392□	422□	4,:0□	465□	519□	579□	579□	670□	742
L□	627□	646□	696□	726□	729□	774□	796□	856□	856□	903□	975
L1□	691□	731□	781□	811□	809□	854□	908□	968□	968□	1059	1131

OUTLINE DIMENSION SHEET



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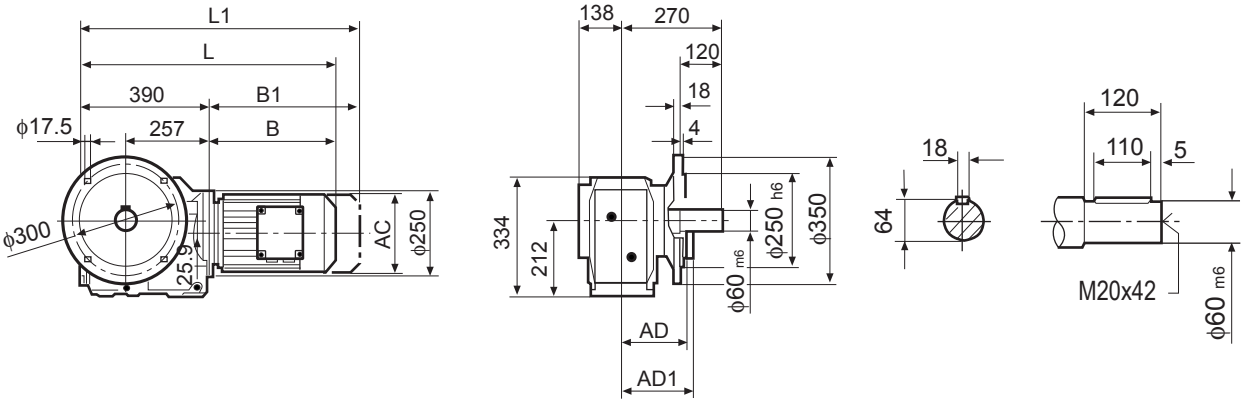

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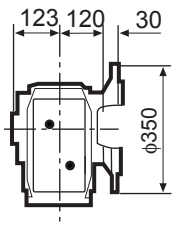

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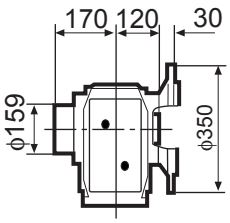

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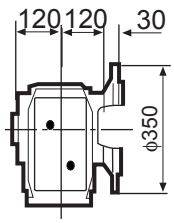

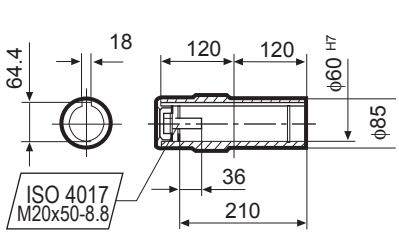

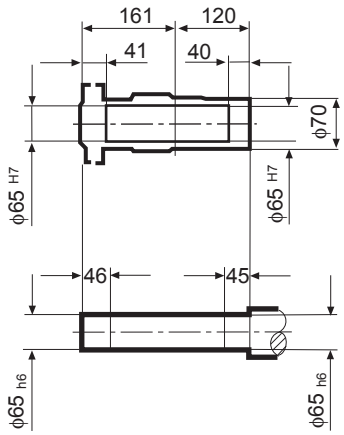

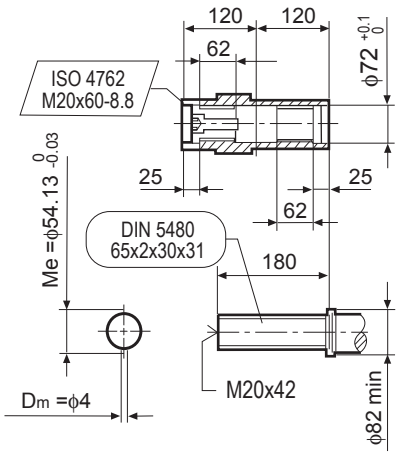

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AC□	145□	197□	197□	197□	221□	221□	275□	275□	275□	331□	331
AD□	122□	154□	166□	166□	179□	179□	230□	230□	230□	258□	258
AD1□	127□	161□	166□	166□	182□	182□	230□	230□	230□	258□	258
B□	238□	257□	307□	337□	340□	385□	407□	467□	467□	514□	586
B1□	302□	342□	392□	422□	420□	465□	519□	579□	579□	670□	742
L□	628□	647□	697□	727□	730□	775□	797□	857□	857□	904□	976
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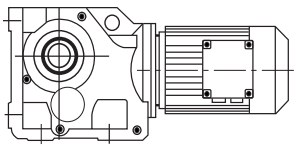

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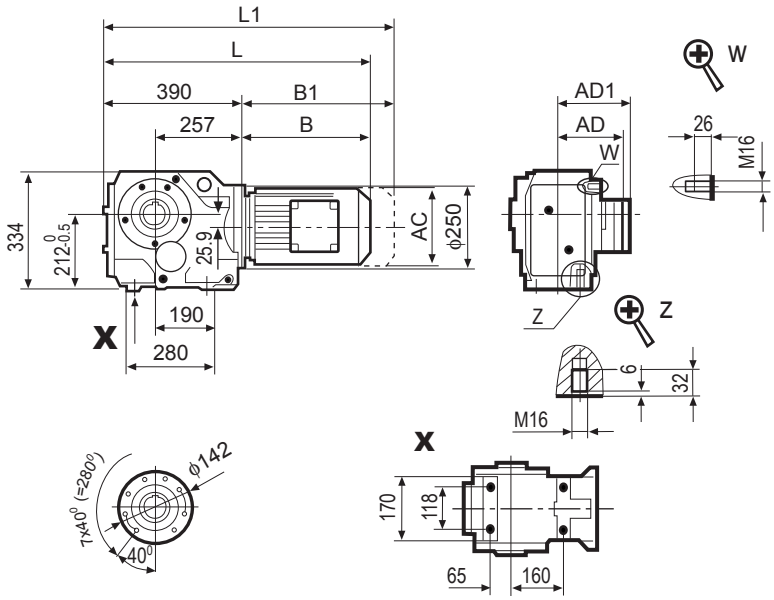

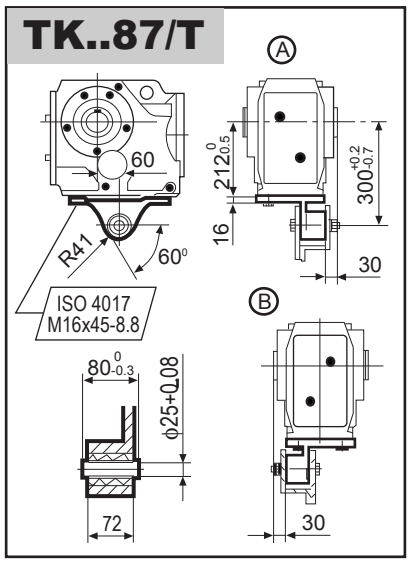

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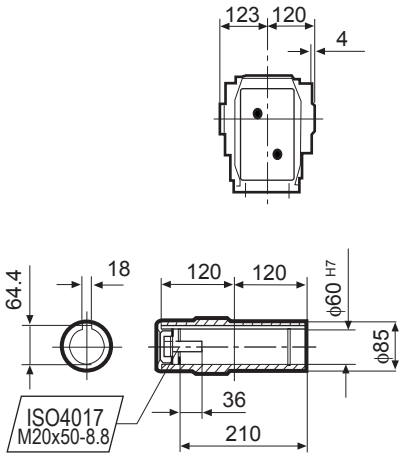

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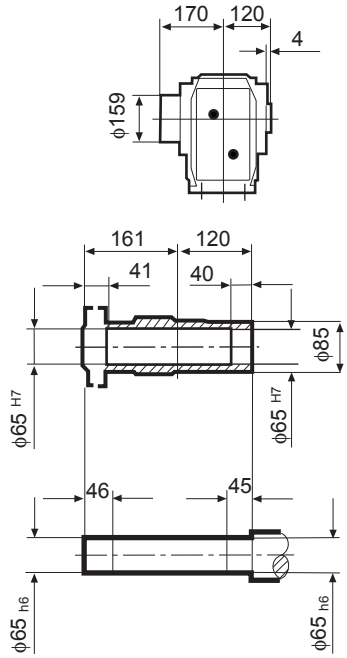

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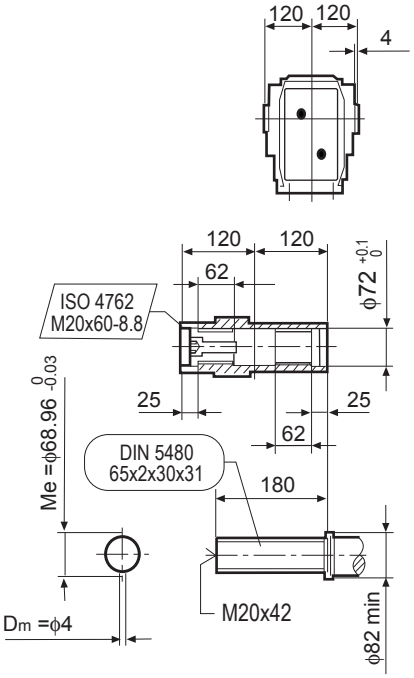

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AC□	145□	197□	197□	197□	221□	221□	275□	275□	275□	331□	331
AD□	122□	154□	166□	166□	179□	179□	230□	230□	230□	258□	258
AD1□	127□	161□	166□	166□	182□	182□	230□	230□	230□	258□	258
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L□	628□	647□	697□	727□	730□	775□	797□	857□	857□	904□	976
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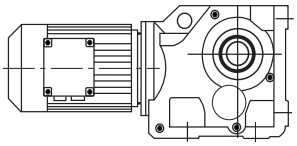
OUTLINE DIMENSION SHEET



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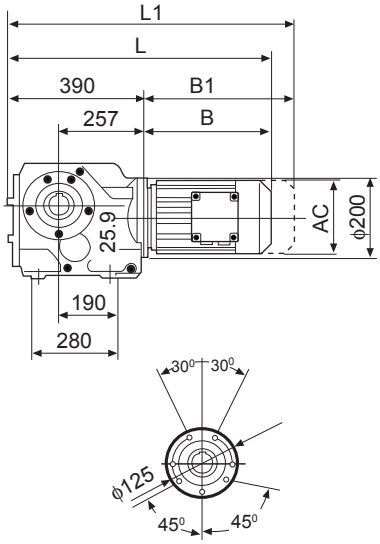

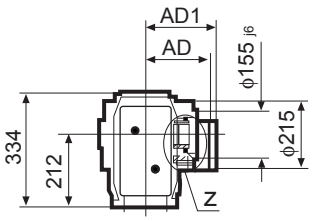

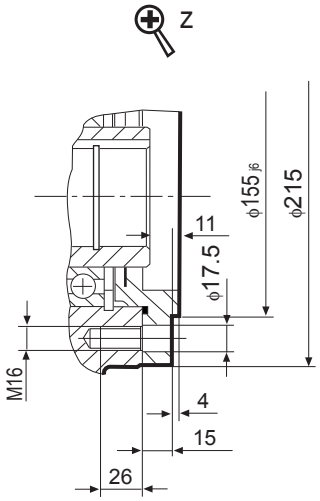

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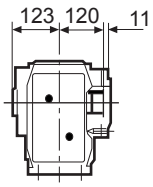

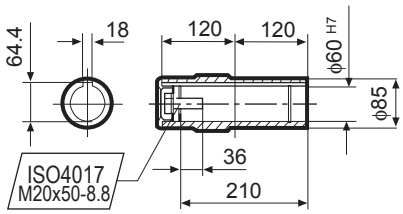

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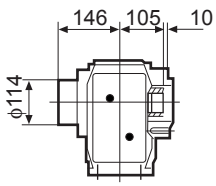

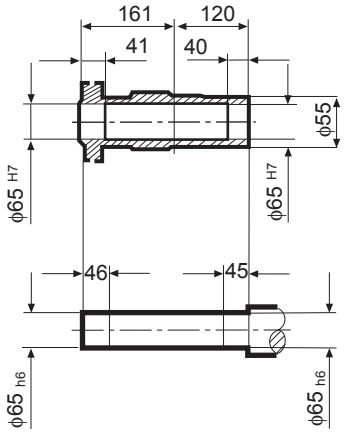

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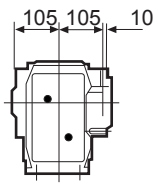
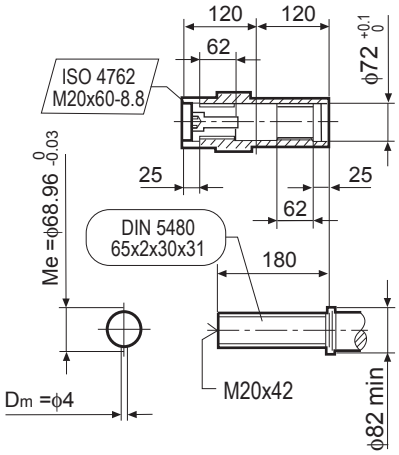
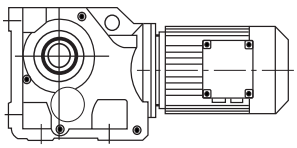
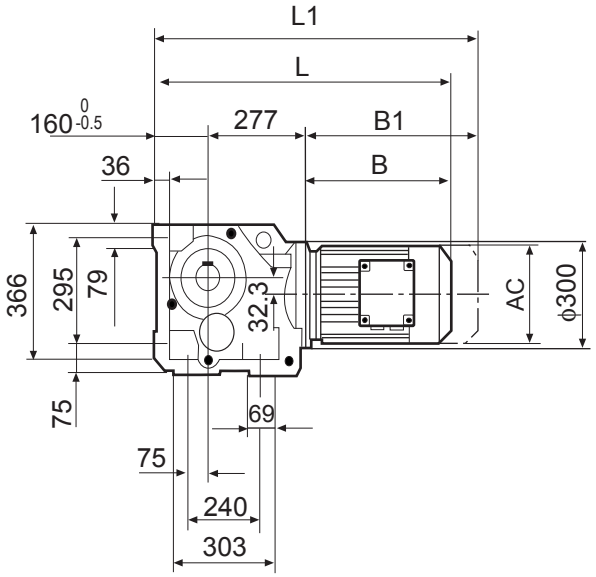


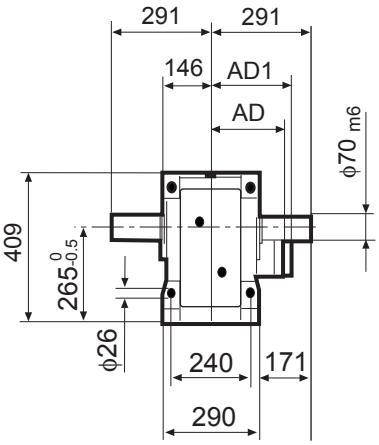


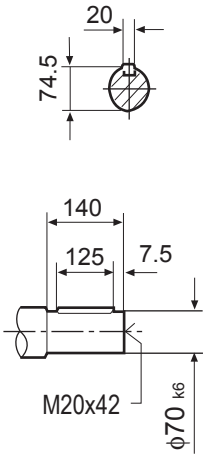
	Y80..□	Y90..□	Y100M□	Y100L□	MY112M□	Y132S□	Y132M□	Y132ML□	Y160M□	Y160L□	Y180..
AC□	145□	197□	197□	197□	221□	221□	275□	275□	275□	331□	331
AD□	122□	154□	166□	166□	179□	179□	230□	230□	230□	258□	258
AD1□	127□	161□	166□	166□	182□	182□	230□	230□	230□	258□	258
B□	238□	257□	307□	337□	340□	385□	407□	467□	467□	514□	586
B1□	302□	342□	392□	422□	420□	465□	519□	579□	579□	670□	742
L□	628□	647□	697□	727□	730□	775□	797□	857□	857□	904□	976
L1□	692□	732□	782□	812□	810□	855□	909□	969□	969□	1060	1132



TK 97..







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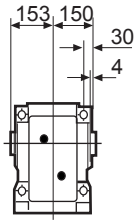
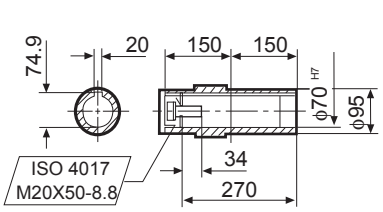
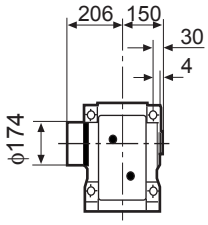
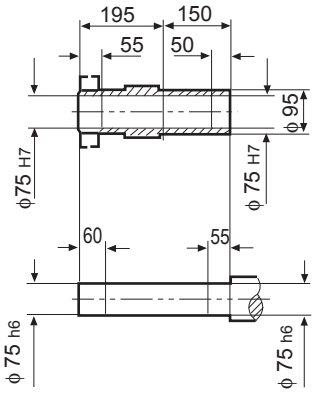


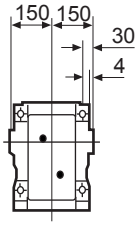


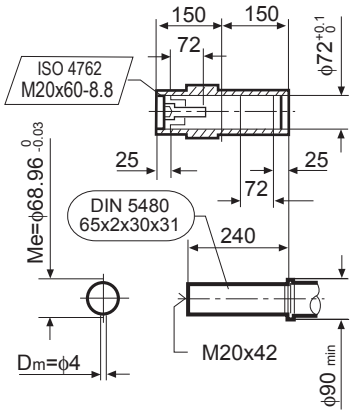
TKH 97B..





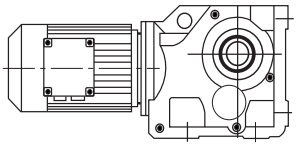
TKV 97B..





	Y90..□	Y100M□	Y100L□	Y112M□	Y132S□	Y132M□	Y132ML□	Y160M□	Y160L□	Y180..□	Y200..
AC□	197□	197□	197□	221□	221□	275□	275□	275□	331□	331□	394
AD□	154□	166□	166□	179□	179□	230□	230□	230□	258□	258□	285
AD1□	161□	166□	166□	182□	182□	230□	230□	230□	258□	258□	285
B□	251□	301□	331□	335□	380□	402□	462□	462□	509□	581□	629
B1□	336□	386□	416□	415□	460□	514□	574□	574□	665□	737□	785
L□	688□	738□	768□	772□	817□	839□	899□	899□	946□	1018□	1066
L1□	773□	823□	853□	852□	897□	951□	1011□	1011□	1102□	1174	1222

OUTLINE DIMENSION SHEET



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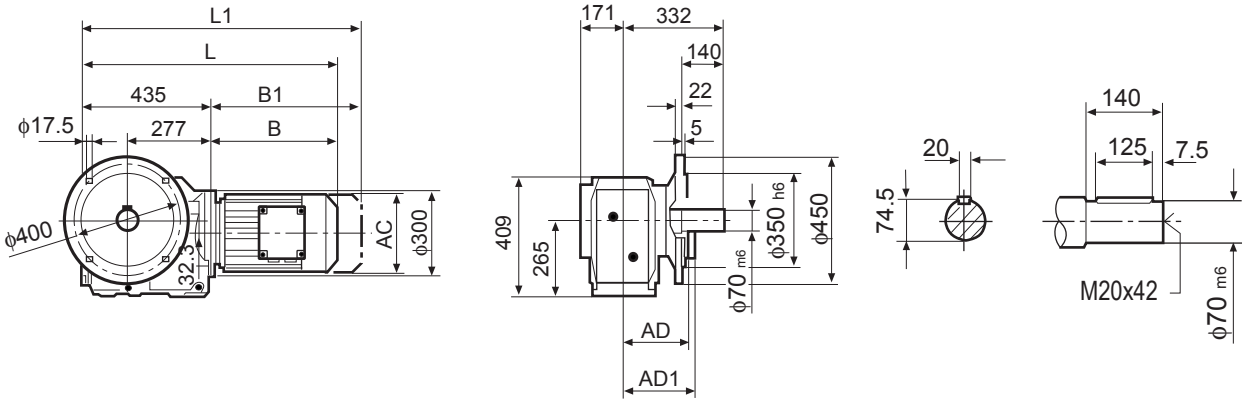

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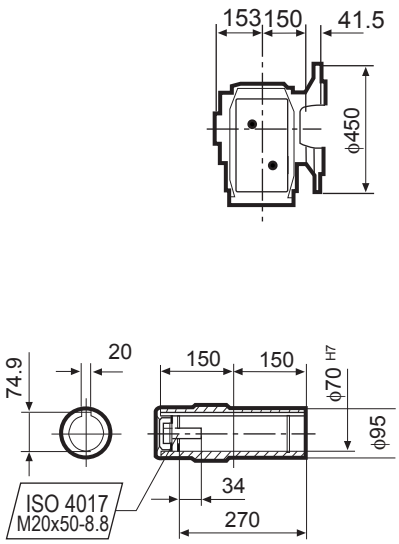

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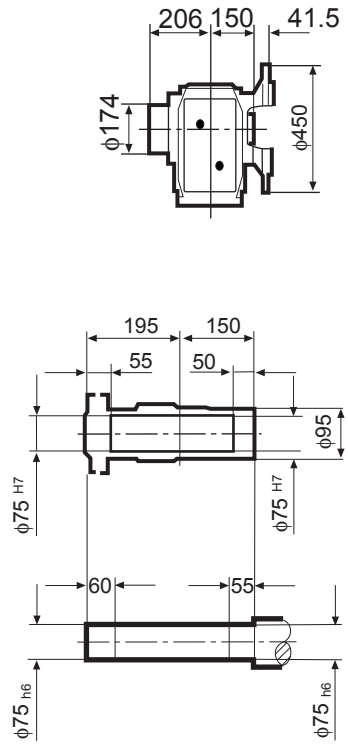
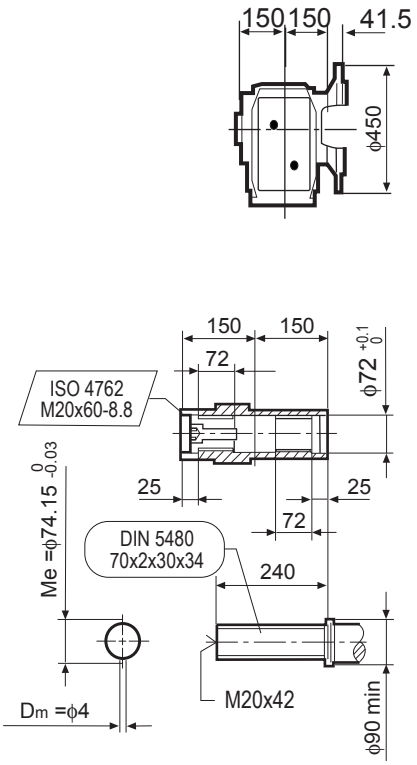


TKVF 97..



	Y90..□	Y100M□	Y100L□	Y112M□	Y132S□	Y132M□	Y132ML□	Y160M□	Y160L□	Y180..□	Y200..
AC□	197□	197□	197□	221□	221□	275□	275□	275□	331□	331□	394
AD□	154□	166□	166□	179□	179□	230□	230□	230□	258□	258□	285
AD1□	161□	166□	166□	182□	182□	230□	230□	230□	258□	258□	285
B□	251□	301□	331□	335□	380□	402□	462□	462□	509□	581□	629
B1□	336□	386□	416□	415□	460□	514□	574□	574□	665□	737□	785
L□	686□	736□	766□	770□	815□	837□	897□	897□	944□	1016□	1064
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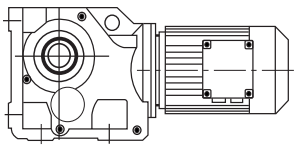
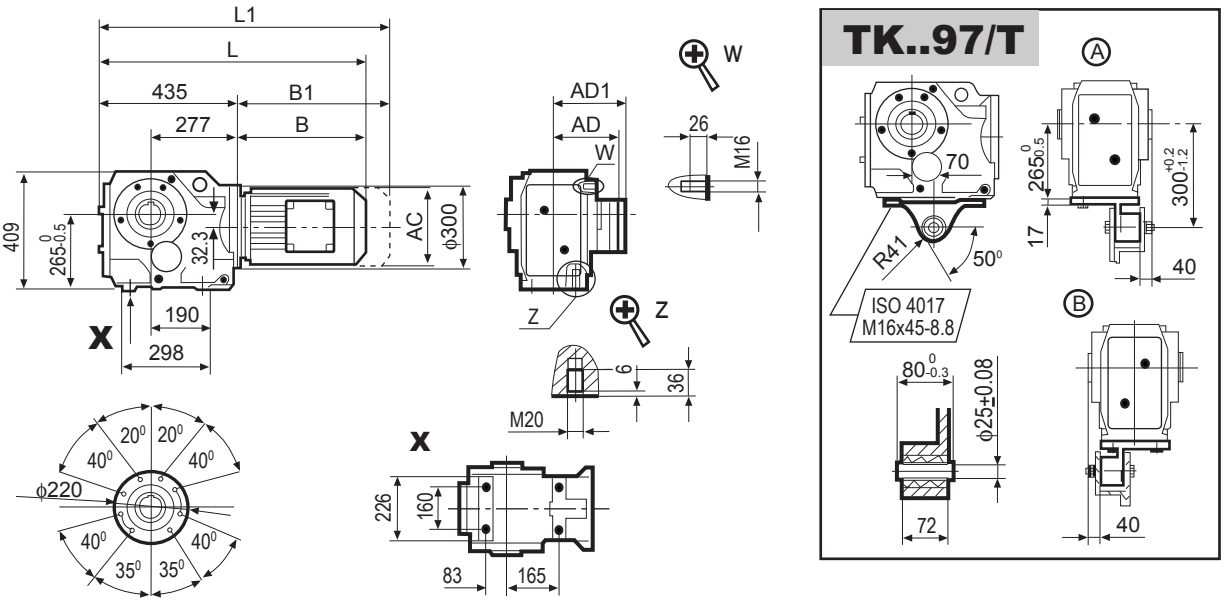
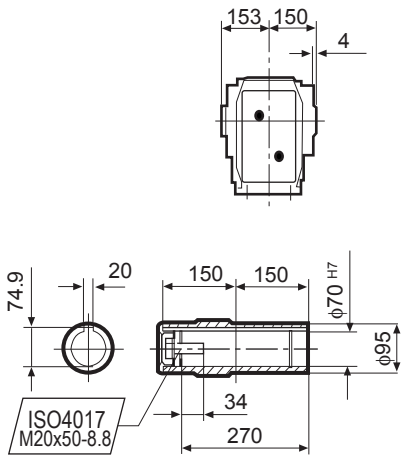


TKA 97..



TKA 97..



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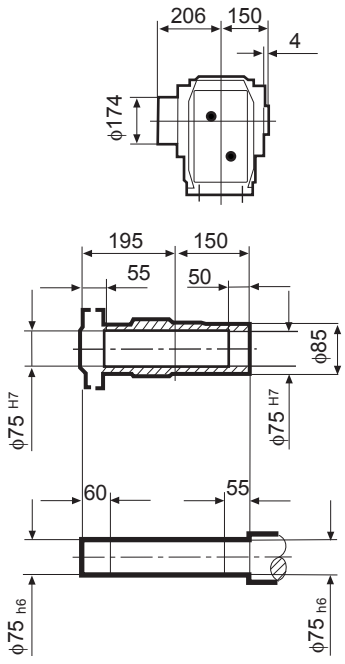

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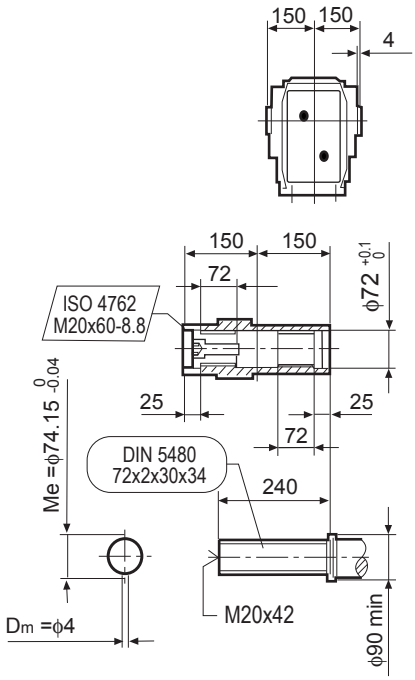

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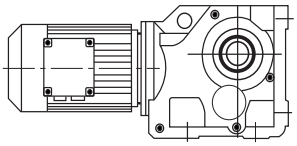
AC□	197□	197□	197□	221□	221□	275□	275□	275□	331□	331□	394
AD□	154□	166□	166□	179□	179□	230□	230□	230□	258□	258□	285
ADI□	161□	166□	166□	182□	182□	230□	230□	230□	258□	258□	285
B□	251□	301□	331□	335□	380□	402□	462□	462□	509□	581□	629
B1□	336□	386□	416□	415□	460□	514□	574□	574□	665□	737□	785
L□	686□	736□	766□	770□	815□	837□	897□	897□	944□	1016□	1064
LI□	771□	821□	851□	850□	895□	949□	1009□	1009□	1100□	1172	1220

OUTLINE DIMENSION SHEET



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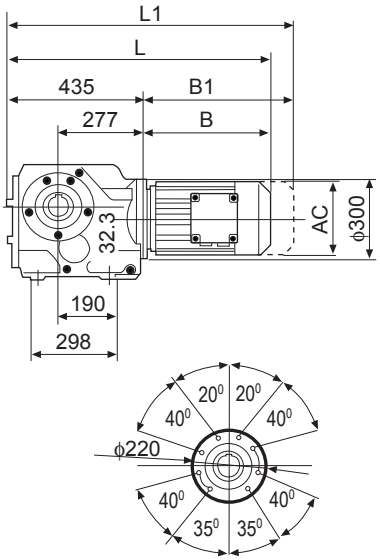
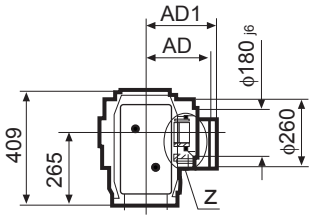
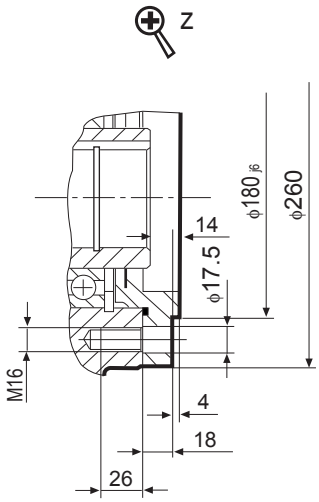
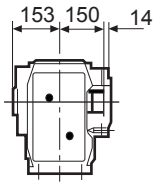
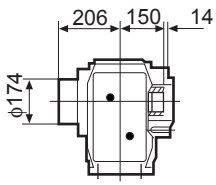


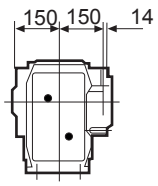


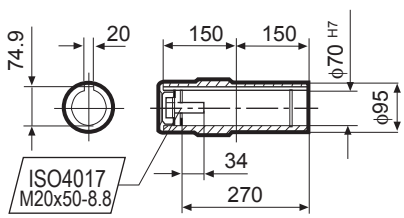


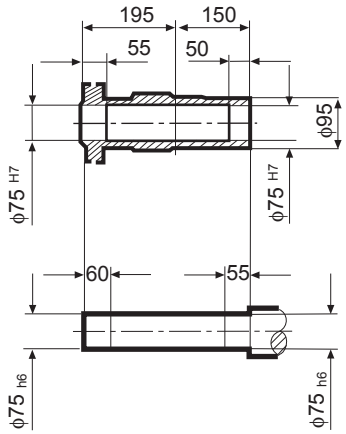
TKAZ 97.. **TKHZ 97..** **TKVZ 97..**

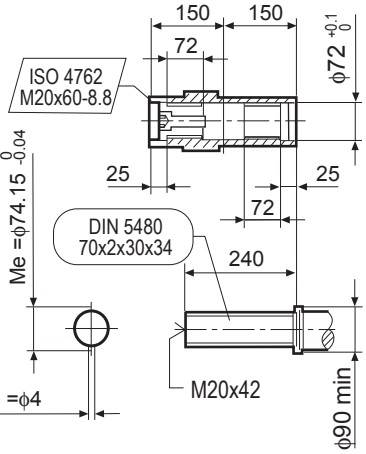












	Y90..□	Y100M□	Y100L□	YI12M□	Y132S□	Y132M□	Y132ML□	Y160M□	Y160L□	Y180..□	Y200..
AC□	197□	197□	197□	221□	221□	275□	275□	275□	331□	331□	394
AD□	154□	166□	166□	179□	179□	230□	230□	230□	258□	258□	285
AD1□	161□	166□	166□	182□	182□	230□	230□	230□	258□	258□	285
B□	251□	301□	331□	335□	380□	402□	462□	462□	509□	581□	629
B1□	336□	386□	416□	415□	460□	514□	574□	574□	665□	737□	785
L□	686□	736□	766□	770□	815□	837□	897□	897□	944□	1016□	1064
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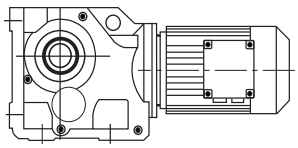
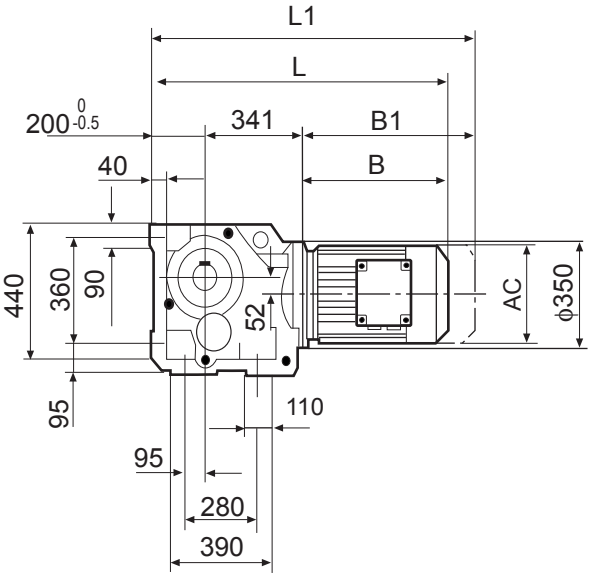
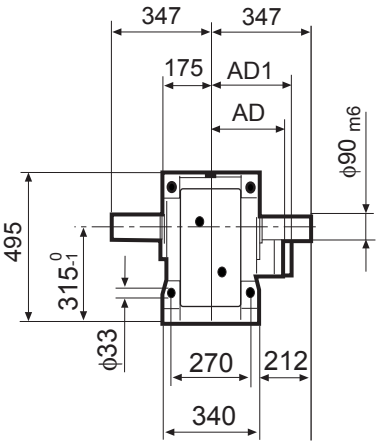
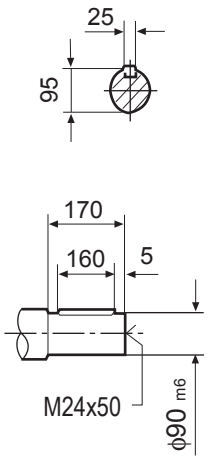


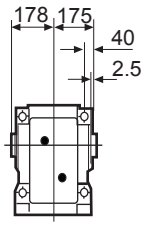
TK 107..

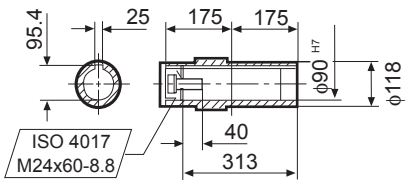






TKA 107B..





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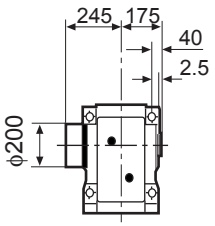
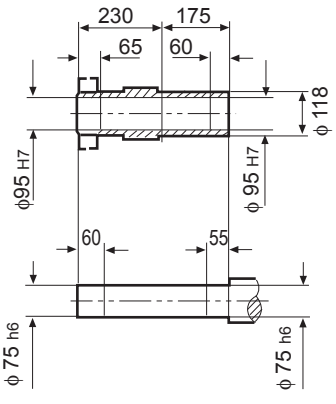
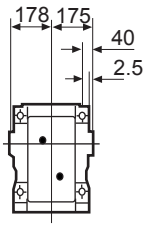
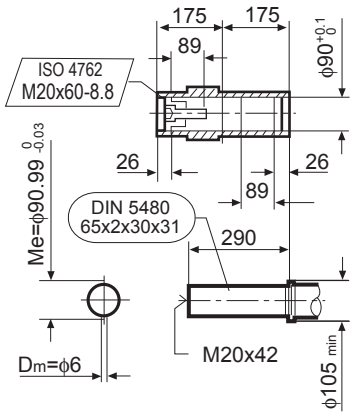




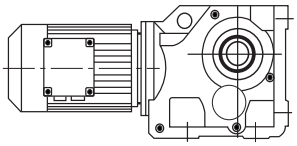
TKV 107B..



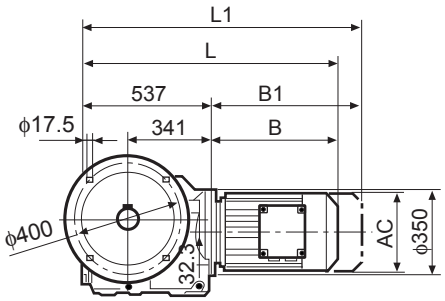


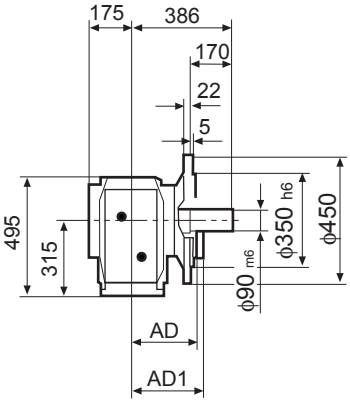
	Y100L□	Y112M□	Y132S□	Y132M □	Y132ML □	Y160M□	Y160L□	Y180..□	Y200..□	Y225..	
AC□	197□	221□	221□	275□	275□	275□	331□	331□	394□	394	
AD□	166□	179□	179□	230□	230□	230□	258□	258□	285□	289	
AD1□	166□	182□	182□	230□	230□	230□	258□	258□	285□	289	
B□	325□	329□	374□	396□	456□	456□	503□	575□	623□	705	
B1□	410□	409□	454□	508□	568□	568□	659□	731□	779□	861	
L□	866□	870□	915□	937□	997□	997□	1044□	1116□	1164□	1246	
LI□	951□	950□	995□	1049□	1109□	1109□	1200□	1272□	1320	1402	

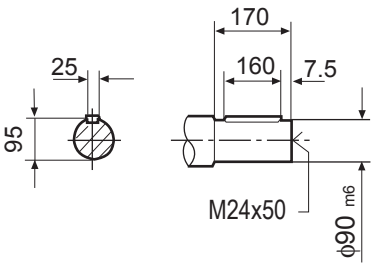
OUTLINE DIMENSION SHEET



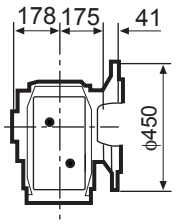
TKF 107..



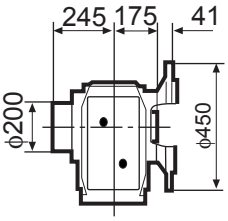




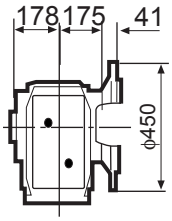
TKAF 107..

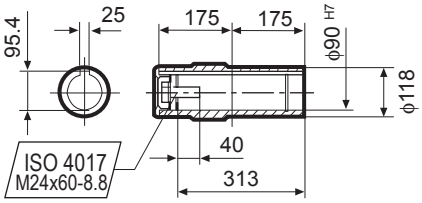


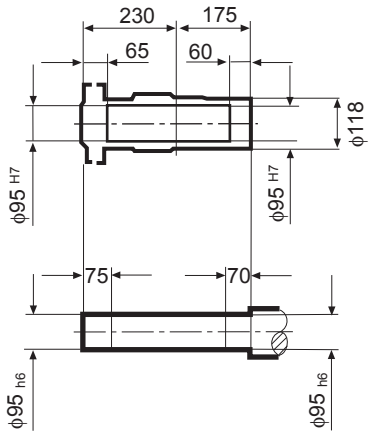
TKHF 107..

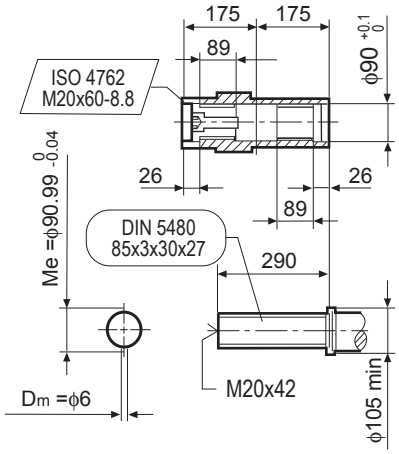


TKVF 107..

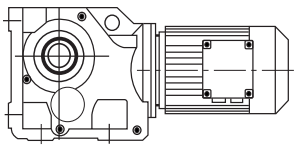




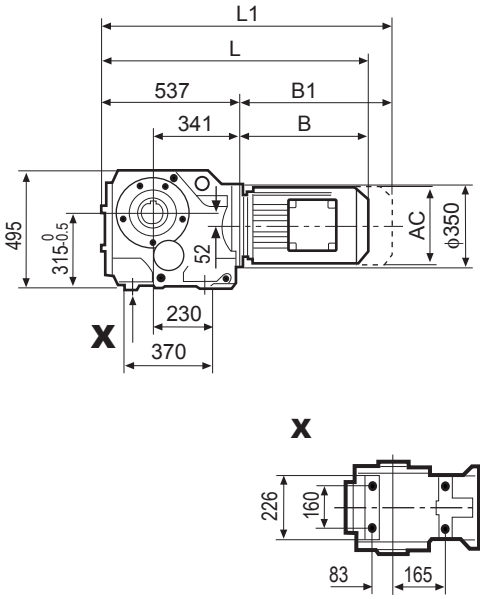


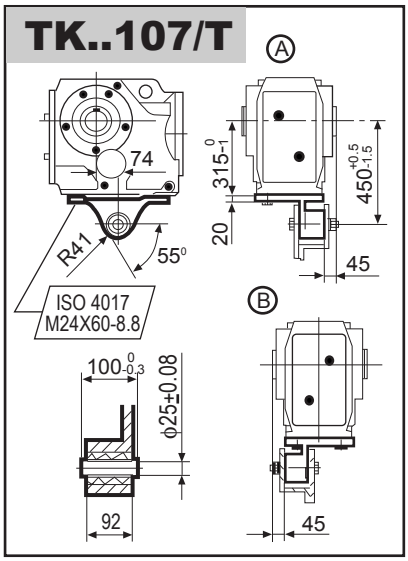


	Y100L□	Y112M□	Y132S□	Y132M□	Y132ML□	Y160M□	Y160L□	Y180..□	Y200..□	Y225..	
AC□	197□	221□	221□	275□	275□	275□	331□	331□	394□	394	
AD□	166□	179□	179□	230□	230□	230□	258□	258□	285□	289	
AD1□	166□	182□	182□	230□	230□	230□	258□	258□	285□	289	
B□	325□	329□	374□	396□	456□	456□	503□	575□	623□	705	
B1□	410□	409□	454□	508□	568□	568□	659□	731□	779□	861	
L□	862□	866□	911□	933□	993□	993□	1040□	1112□	1160□	1242	
L1□	947□	946□	991□	1045□	1105□	1105□	1196□	1268□	1316	1398	

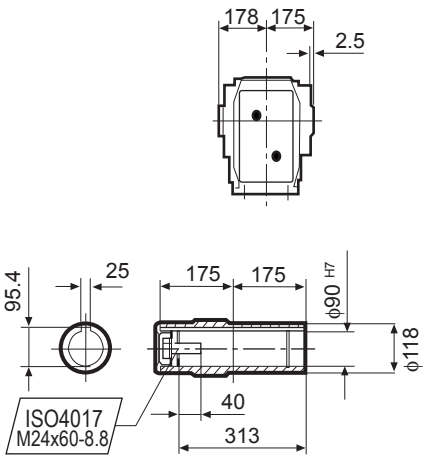


TKA 107..

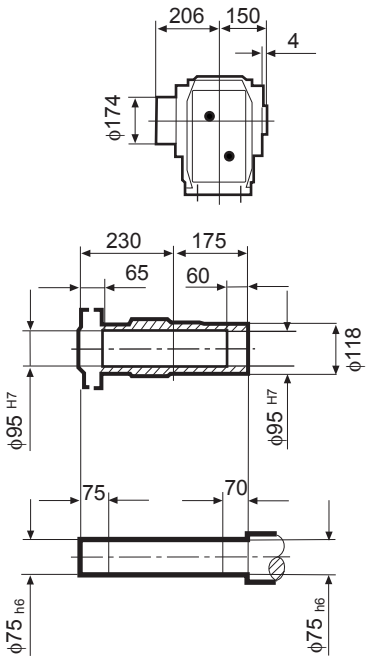




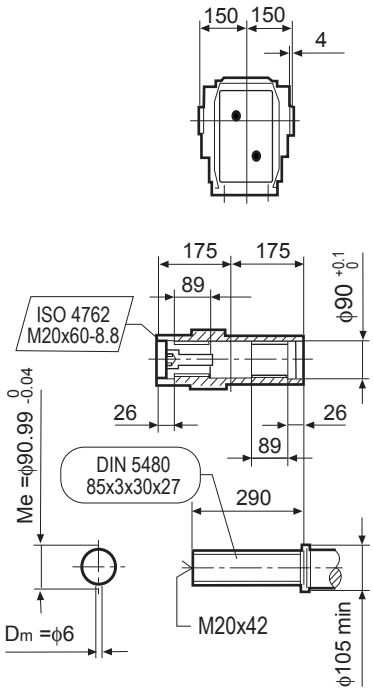
TKA 107..



TKH 107..

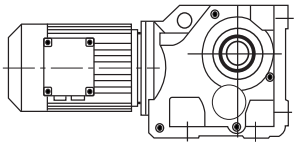


TKV 107..

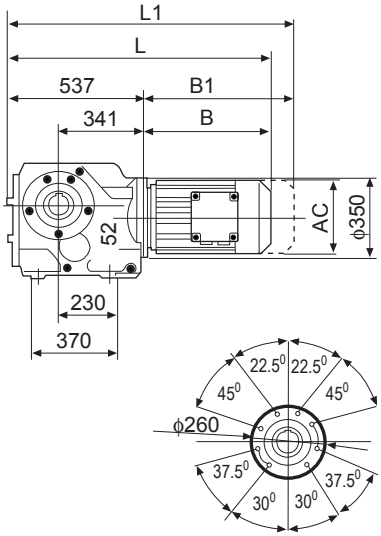


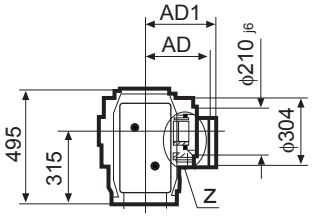
	Y100L□	Y112M□	Y132S□	Y132M□	Y132ML□	Y160M□	Y160L□	Y180..□	Y200..□	Y225..	
AC□	197□	221□	221□	275□	275□	275□	331□	331□	394□	394	
AD□	166□	179□	179□	230□	230□	230□	258□	258□	285□	289	
AD1□	166□	182□	182□	230□	230□	230□	258□	258□	285□	289	
B□	325□	329□	374□	396□	456□	456□	503□	575□	623□	705	
B1□	410□	409□	454□	508□	568□	568□	659□	731□	779□	861	
L□	862□	866□	911□	933□	993□	993□	1040□	1112□	1160□	1242	
L1□	947□	946□	991□	1045□	1105□	1105□	1196□	1268□	1316	1398	

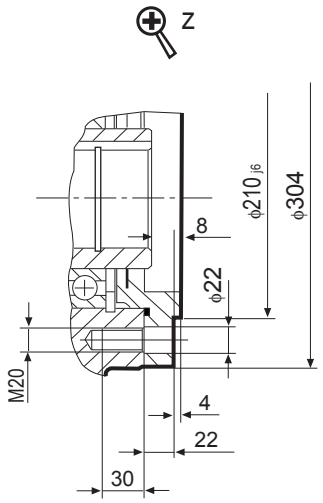
OUTLINE DIMENSION SHEET



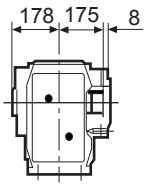
TKAZ 107..

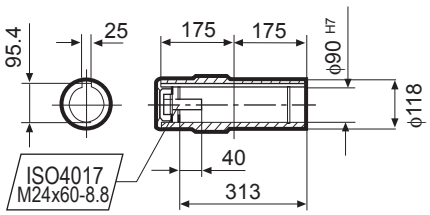




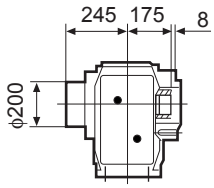


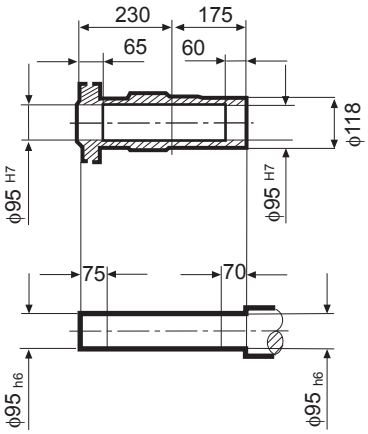
TKAZ 107..



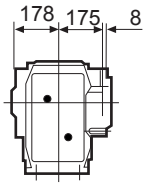


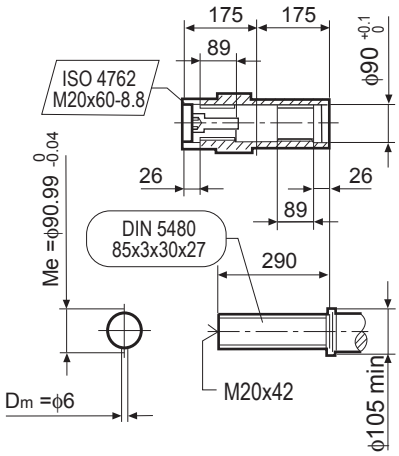
TKHZ 107..



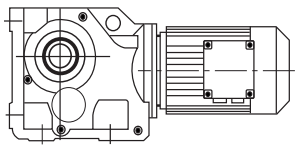


TKVZ 107..

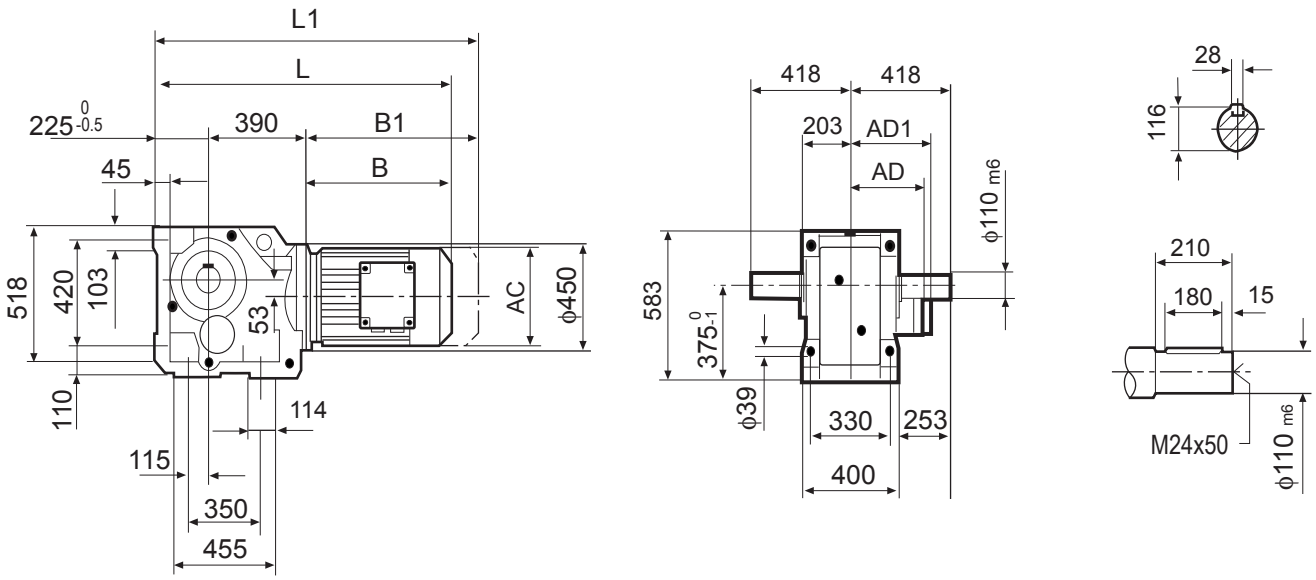




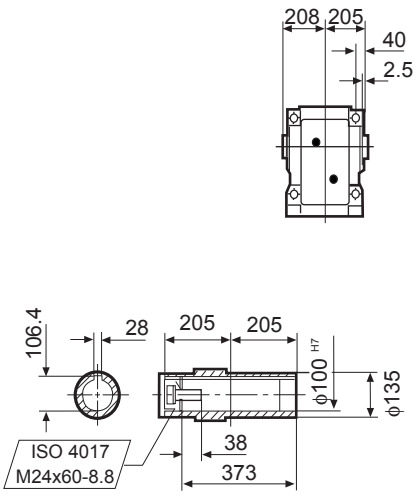
	Y100L□	Y112M□	Y132S□	Y132M□	Y132ML□	Y160M□	Y160L□	Y180..□	Y200..□	Y225..	
AC□	197□	221□	221□	275□	275□	275□	331□	331□	394□	394	
AD□	166□	179□	179□	230□	230□	230□	258□	258□	285□	289	
AD1□	166□	182□	182□	230□	230□	230□	258□	258□	285□	289	
B□	325□	329□	374□	396□	456□	456□	503□	575□	623□	705	
B1□	410□	409□	454□	508□	568□	568□	659□	731□	779□	861	
L□	862□	866□	911□	933□	993□	993□	1040□	1112□	1160□	1242	
L1□	947□	946□	991□	1045□	1105□	1105□	1196□	1268□	1316	1398	



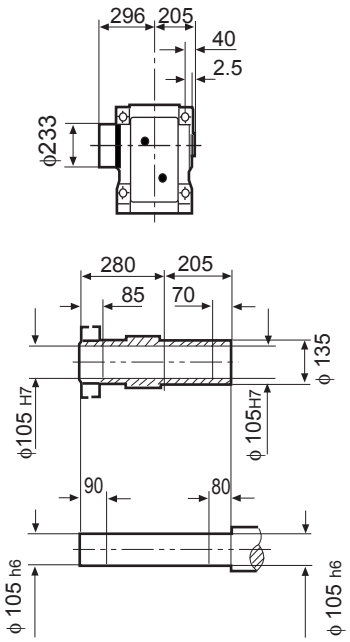
TK 127..



TKA 127B..

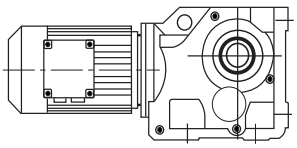


TKH 127B..

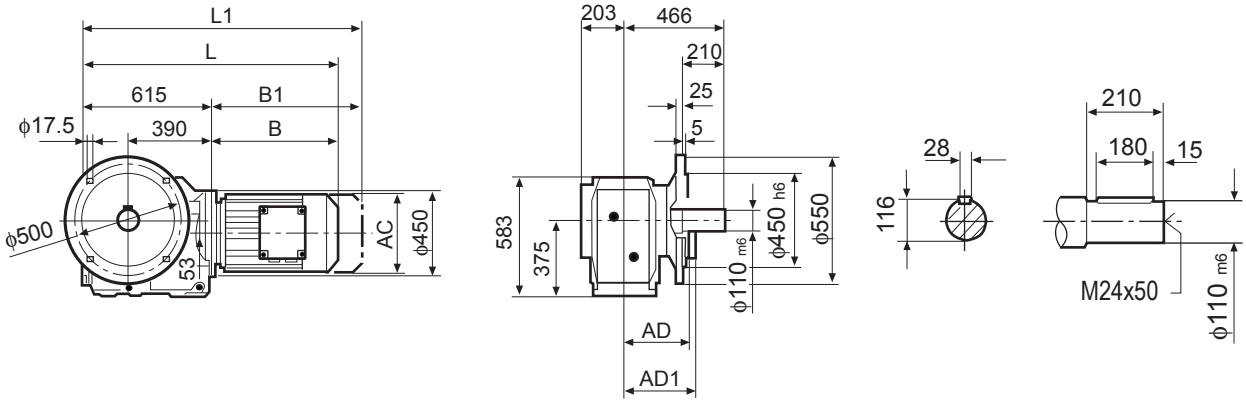


	Y132M□	Y132ML□	Y160M□	Y160L□	Y180..□	Y200..□	Y225..□	Y250M□	Y280..		
AC□	275□	275□	275□	331□	331□	394□	394□	510□	510		
AD□	230□	230□	230□	258□	258□	285□	289□	397□	397		
AD1□	230□	230□	230□	258□	258□	285□	289□	397□	397		
B□	381□	441□	441□	488□	560□	608□	690□	780□	780		
B1□	493□	553□	553□	644□	716□	764□	846□	965□	965		
L□	996□	1056□	1056□	1103□	115□	1223□	1305□	1395□	1395		
L1□	1108□	1168□	1168□	1259□	1331□	1379□	1461□	1580	1580		

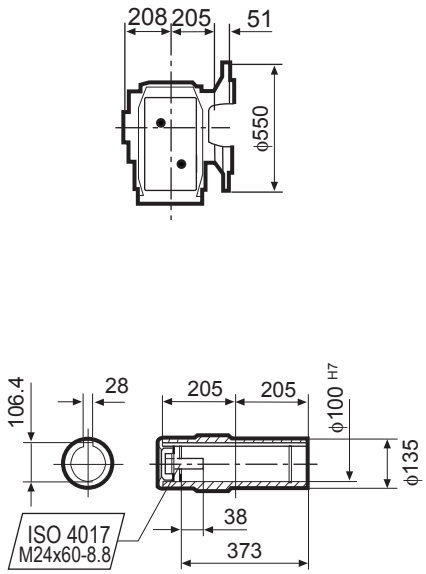
OUTLINE DIMENSION SHEET



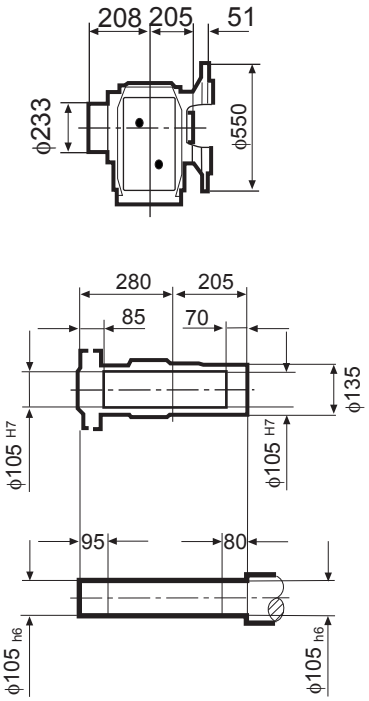
TKF127..



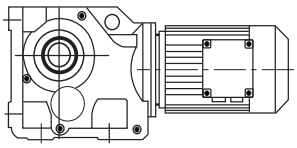
TKAF 127..



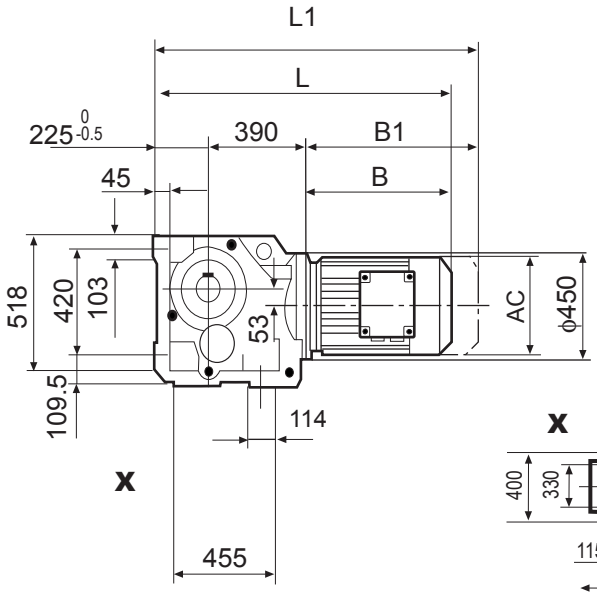
TKHF 127..



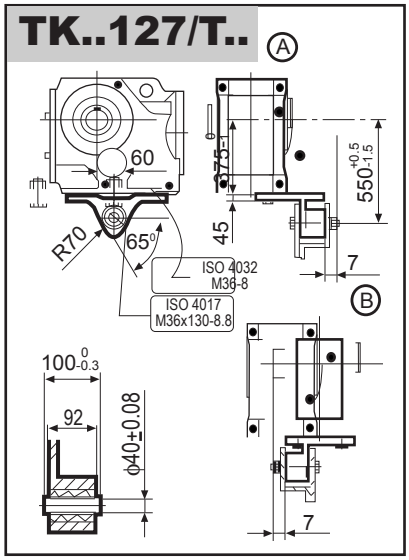
	Y132M□	Y132ML□	Y160M□	Y160L□	Y180..□	Y200..□	Y225..□	Y250M□	Y280..		
AC□	275□	275□	275□	331□	331□	394□	394□	510□	510		
AD□	230□	230□	230□	258□	258□	285□	289□	397□	397		
AD1□	230□	230□	230□	258□	258□	285□	289□	397□	397		
B□	381□	441□	441□	488□	560□	608□	690□	780□	780		
B1□	493□	553□	553□	644□	716□	764□	846□	965□	965		
L□	996□	1056□	1056□	1103□	1175□	1223□	1305□	1395□	1395		
L1□	1108□	1168□	1168□	1259□	1331□	1379□	1461□	1580	1580		



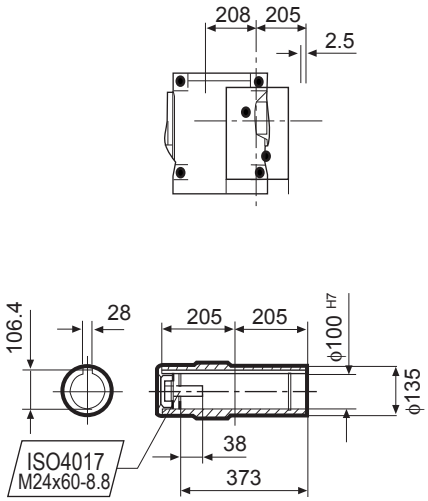
TKA 127..



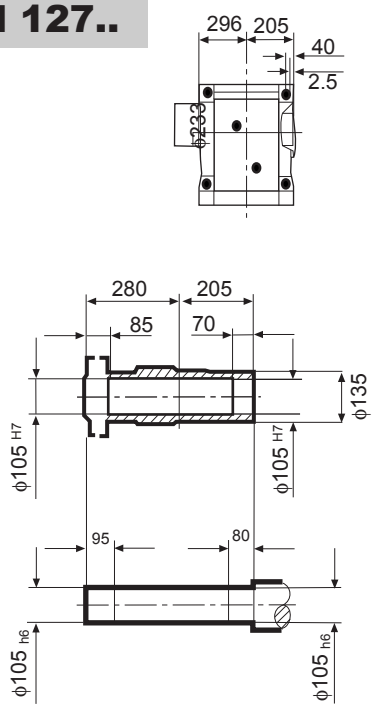
TK..127/T..



TKA 127..

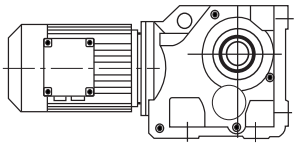


TKH 127..

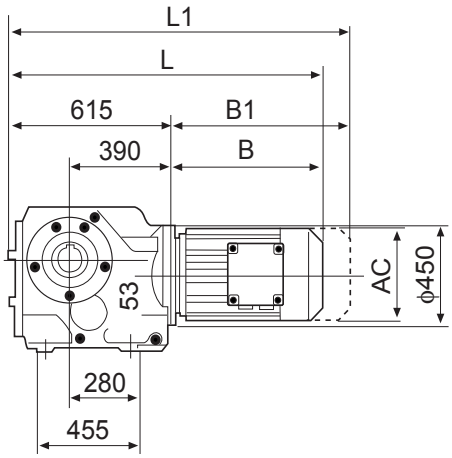


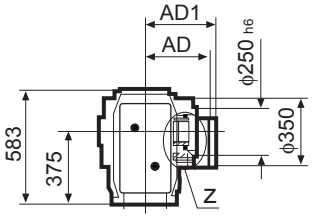
	Y132M□	Y132ML□	Y160M□	Y160L□	Y180..□	Y200..□	Y225..□	Y250M□	Y280..		
AC□	275□	275□	275□	331□	331□	394□	394□	510□	510		
AD□	230□	230□	230□	258□	258□	285□	289□	397□	397		
AD1□	230□	230□	230□	258□	258□	285□	289□	397□	397		
B□	381□	441□	441□	488□	560□	608□	690□	780□	780		
B1□	493□	553□	553□	644□	716□	764□	846□	965□	965		
L□	996□	1056□	1056□	1103□	1175□	1223□	1305□	1395□	1395		
L1□	1108□	1168□	1168□	1259□	1331□	1379□	1461□	1580	1580		

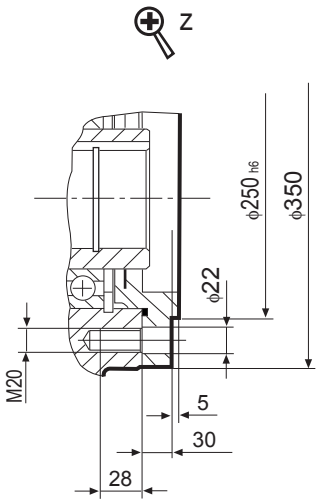
OUTLINE DIMENSION SHEET



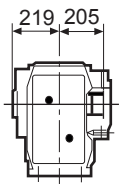
TKAZ 127..

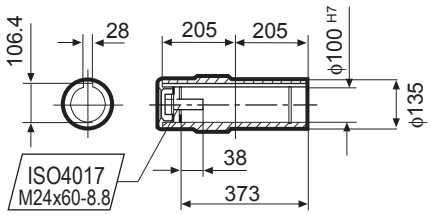




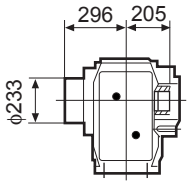


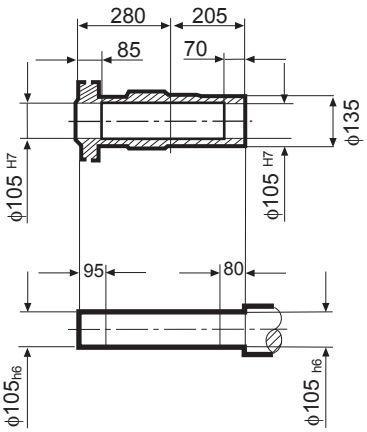
TKAZ 127..



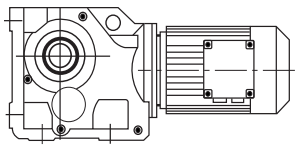


TKHZ 127..

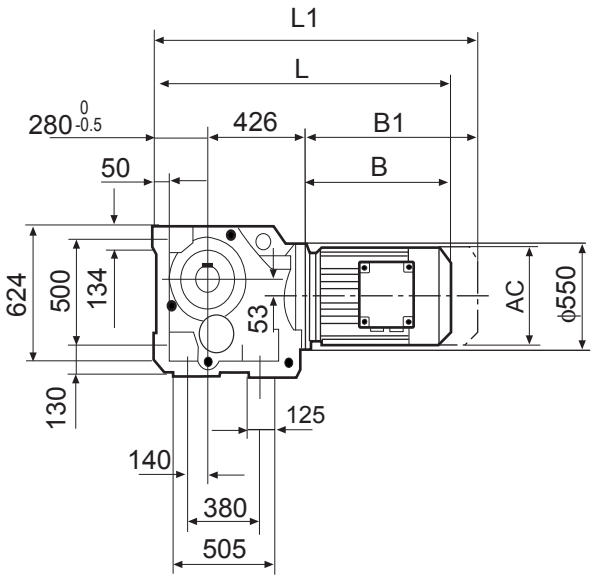


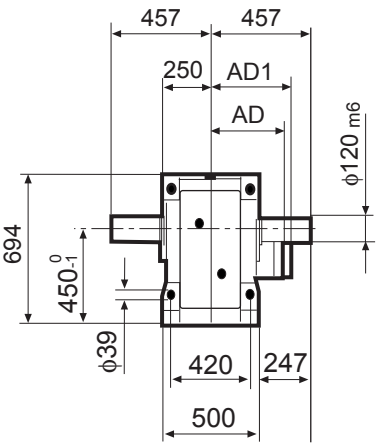


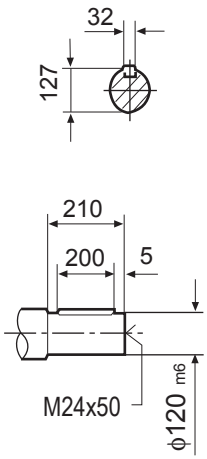
	Y132M□	Y132ML□	Y160M□	Y160L□	Y180..□	Y200..□	Y225..□	Y250M□	Y280..		
AC□	275□	275□	275□	331□	331□	394□	394□	510□	510		
AD□	230□	230□	230□	258□	258□	285□	289□	397□	397		
AD1□	230□	230□	230□	258□	258□	285□	289□	397□	397		
B□	381□	441□	441□	488□	560□	608□	690□	780□	780		
B1□	493□	553□	553□	644□	716□	764□	846□	965□	965		
L□	996□	1056□	1056□	1103□	1175□	1223□	1305□	1395□	1395		
L1□	1108□	1168□	1168□	1259□	1331□	1379□	1461□	1580	1580		



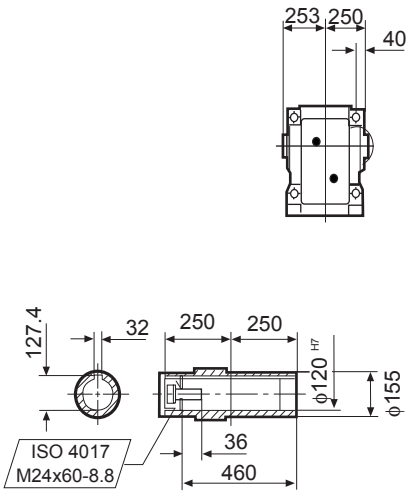
TK 157..



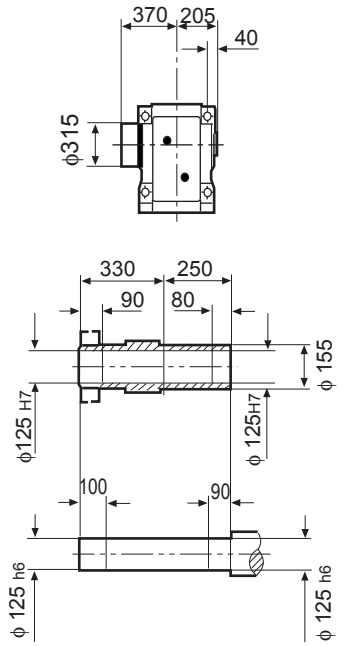




TKA 157B..

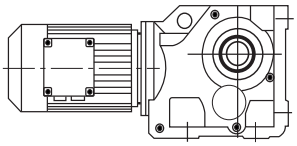


TKH 157B..

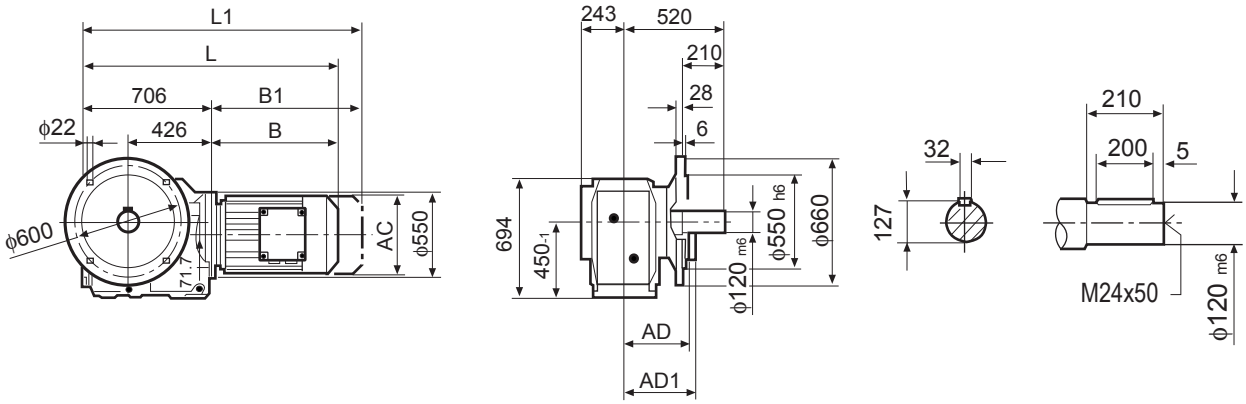


	Y160M□	Y160L□	Y180..□	Y200..□	Y225..□	Y250M□	Y280..□	Y315S□	Y315M		
AC□	275□	331□	331□	394□	394□	510□	510□	612□	612		
AD□	230□	258□	258□	285□	289□	397□	397□	430□	430		
AD1□	230□	258□	258□	285□	289□	397□	397□	430□	430		
B□	433□	480□	552□	600□	682□	771□	771□	999□	1050		
B1□	545□	636□	708□	756□	838□	956□	956□	1210□	1261		
L□	1139□	1186□	1258□	1306□	1338□	1477□	1477□	1705□	1756		
L1□	1251□	1342□	1414□	1462□	1544□	1662□	1662□	1916	1967		

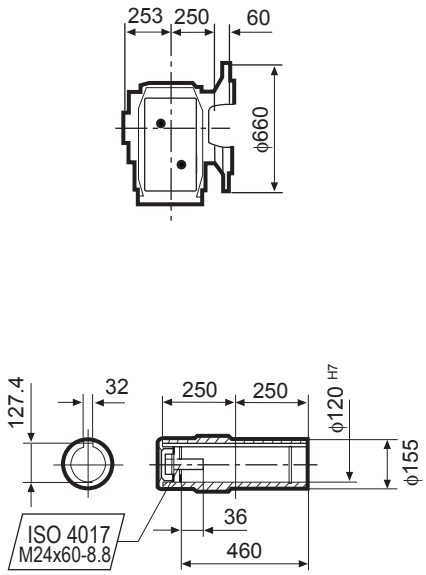
OUTLINE DIMENSION SHEET



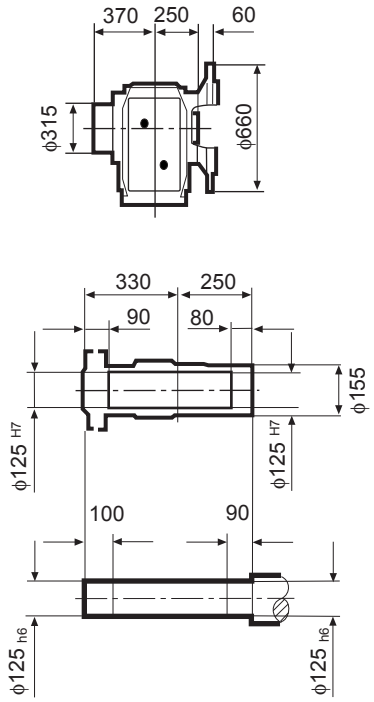
TKF157..



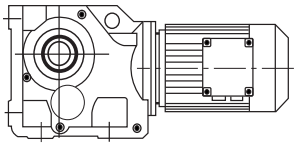
TKAF 157..



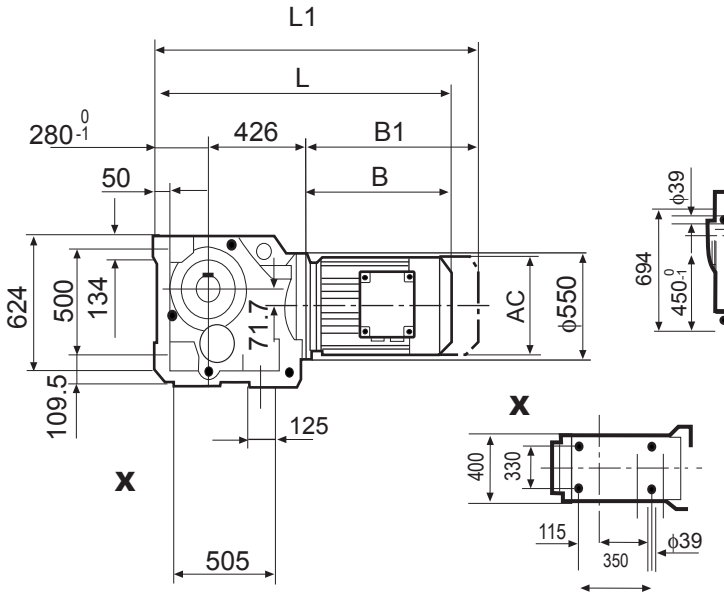
TKHF 157..

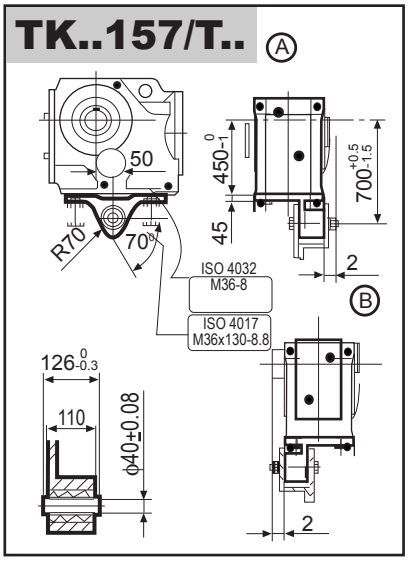


	Y160M□	Y160L□	Y180..□	Y200..□	Y225..□	Y250M□	Y280..□	Y315S□	Y315M		
AC□	275□	331□	331□	394□	394□	510□	510□	612□	612		
AD□	230□	258□	258□	285□	289□	397□	397□	430□	430		
AD1□	230□	258□	258□	285□	289□	397□	397□	430□	430		
B□	433□	480□	552□	600□	682□	771□	771□	999□	1050		
B1□	545□	636□	708□	756□	838□	956□	956□	1210□	1261		
L□	1139□	1186□	1258□	1306□	1388□	1477□	1477□	1705□	1756		
L1□	1251□	1342□	1414□	1462□	1544□	1662□	'1662□	1916	1967		



TKA 157..





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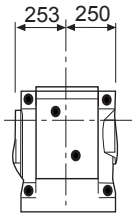

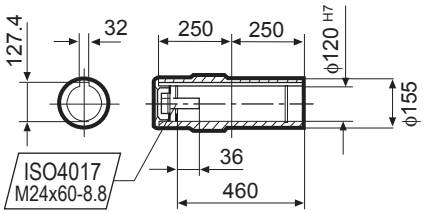

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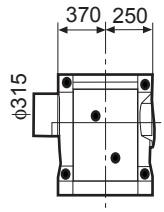
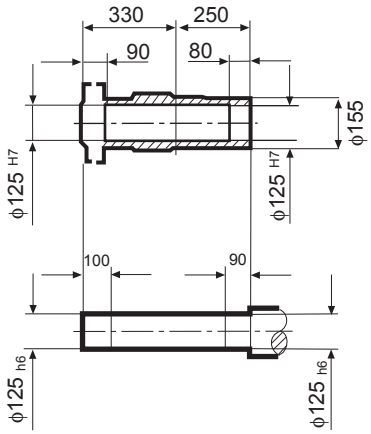
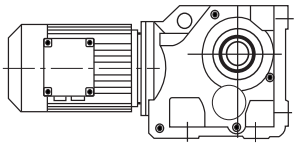




	Y160M□	Y160L□	Y180..□	Y200..□	Y225...□	Y250M□	Y280..□	Y315S□	Y315M		
AC□	275□	331□	331□	394□	394□	510□	510□	612□	612		
AD□	230□	258□	258□	285□	289□	397□	397□	430□	430		
AD1□	230□	258□	258□	285□	289□	397□	397□	430□	430		
B□	433□	480□	552□	600□	682□	771□	771□	999□	1050		
B1□	545□	636□	708□	756□	838□	956□	956□	1210□	1261		
L□	1139□	1186□	1258□	1306□	1 388□	1477□	1477□	1705□	1756		
L1□	1251□	1342□	1414□	1462□	1544□	1662□	1662□	1916	1967		

OUTLINE DIMENSION SHEET



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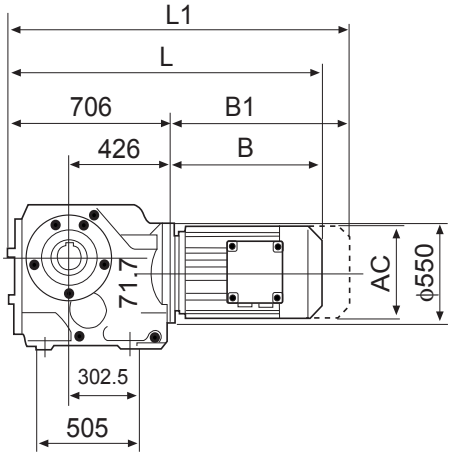

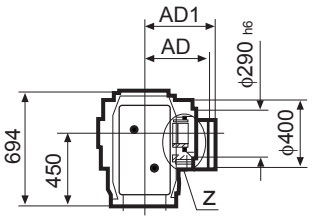

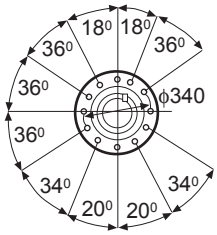

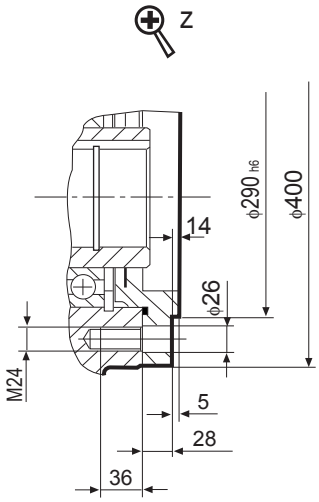

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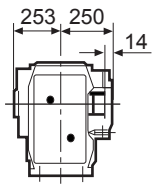

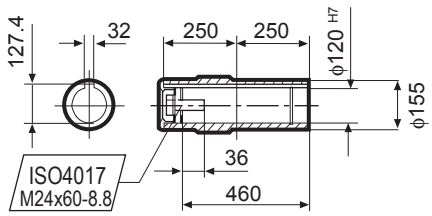

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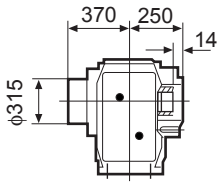
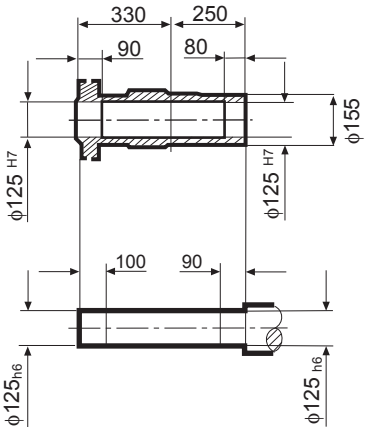
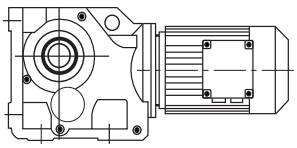
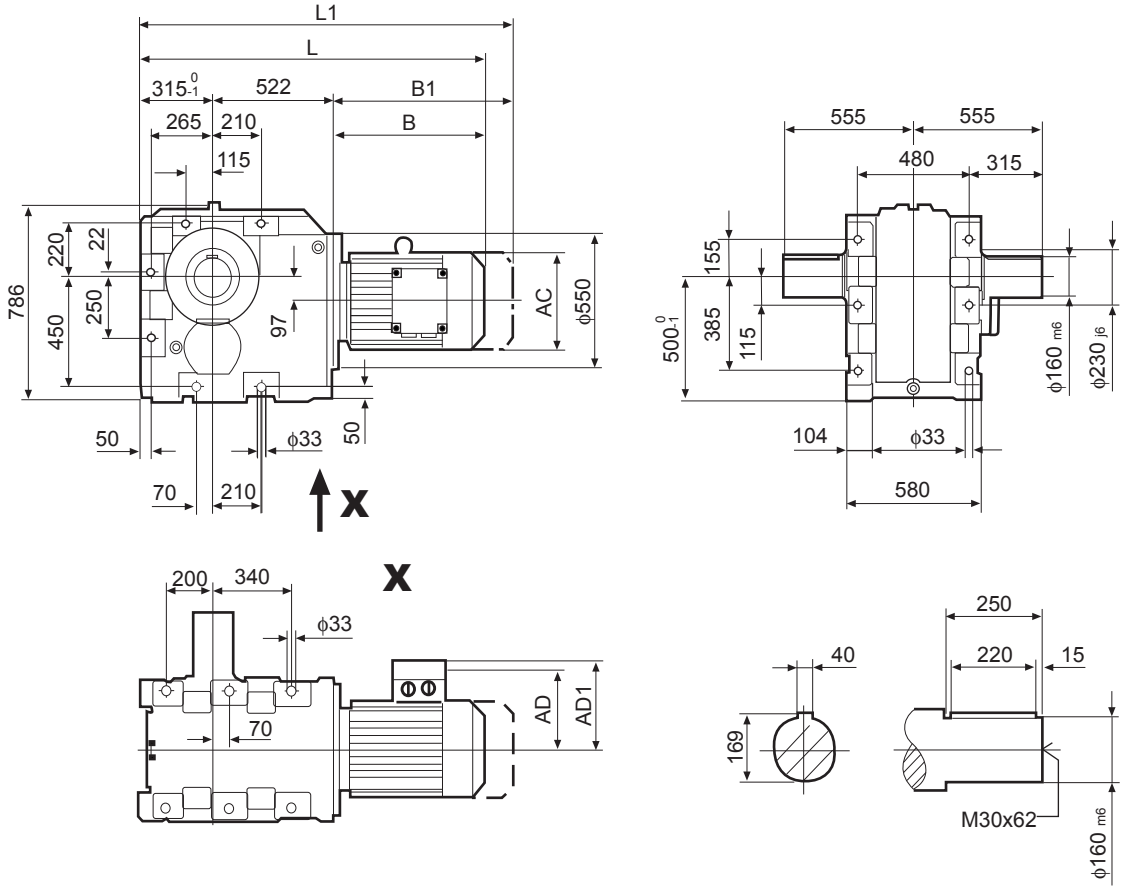




	Y160M□	Y160L□	Y180..□	Y200..□	Y225..□	Y250M□	Y280..□	Y315S□	Y315M		
AC□	275□	331□	331□	394□	394□	510□	510□	612□	612		
AD□	230□	258□	258□	285□	289□	397□	397□	430□	430		
AD1□	230□	258□	258□	285□	289□	397□	397□	430□	430		
B□	433□	480□	552□	600□	682□	771□	771□	999□	1050		
B1□	545□	636□	708□	756□	838□	956□	956□	1210□	1261		
L□	1139□	1186□	1258□	1306□	1388□	1477□	1477□	1705□	1756		
Li□	1251□	1342□	1414□	1462□	1544□	1662□	1662□	1916	1967		



TK 167..



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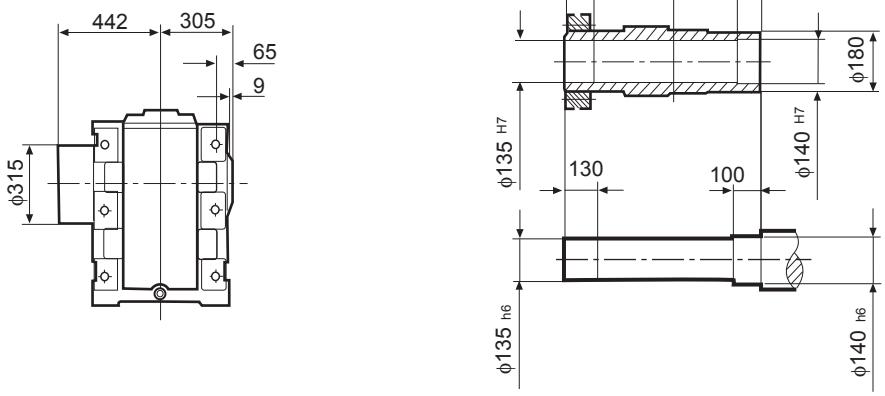
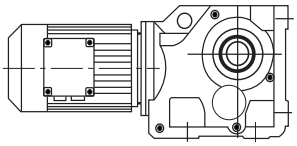
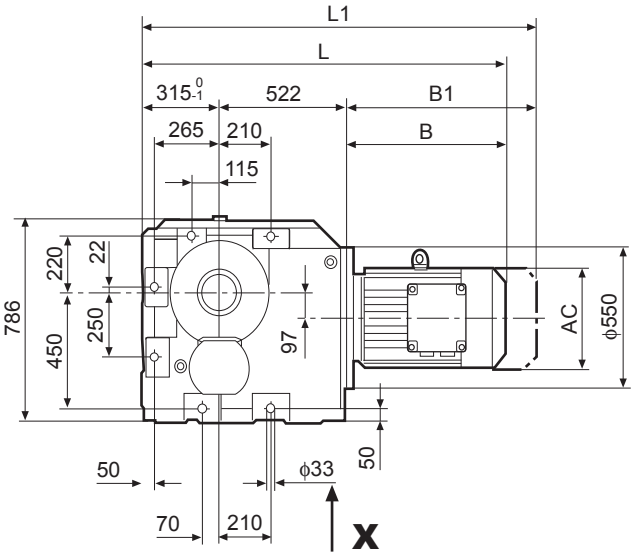


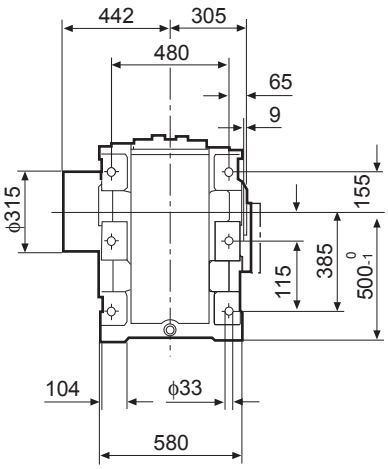
	Y160M□	Y160..□	Y180..□	Y200..□	Y225..□	Y250M□	Y280..□	Y315S□	Y315M		
AC□	275□	331□	331□	394□	394□	510□	510□	612□	612		
AD□	230□	258□	258□	285□	289□	397□	397□	430□	430		
AD1□	230□	258□	258□	285□	289□	397□	397□	430□	430		
B□	433□	480□	552□	600□	682□	771□	771□	999□	1050		
B1□	545□	636□	708□	756□	838□	956□	956□	1210□	1261		
L□	1270□	1317□	1389□	1437□	1519 □	1608□	1608□	1836□	1887		
L1□	1382□	1473□	1545□	1593□	1675□	1793□	1793□	2047	2098		

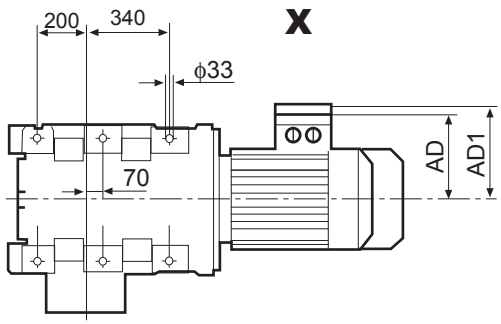
OUTLINE DIMENSION SHEET

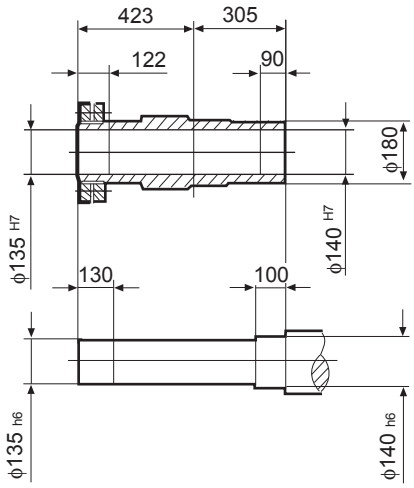


TKF 167..

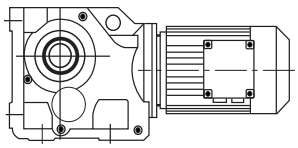




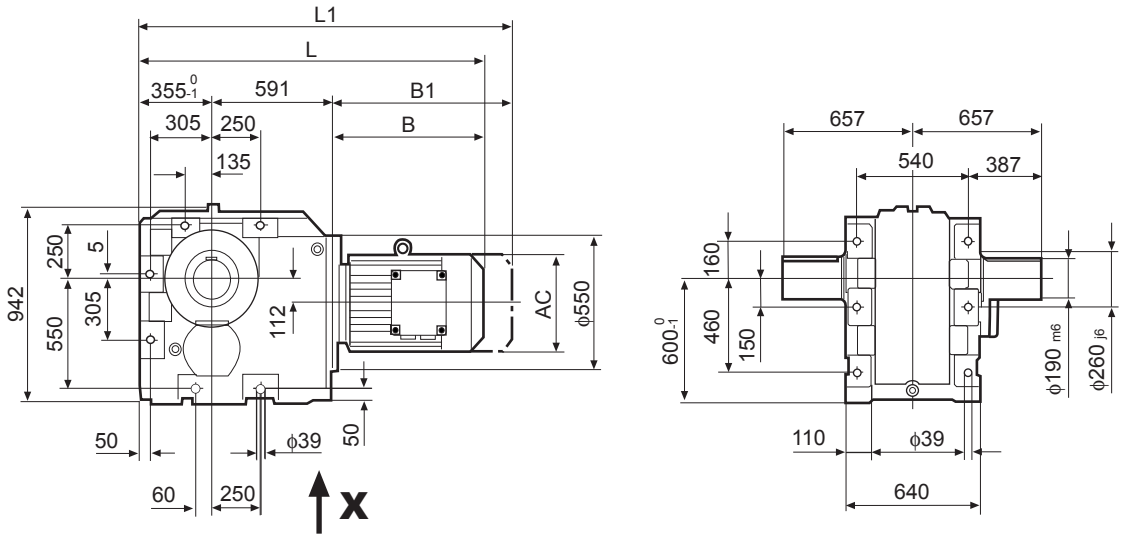


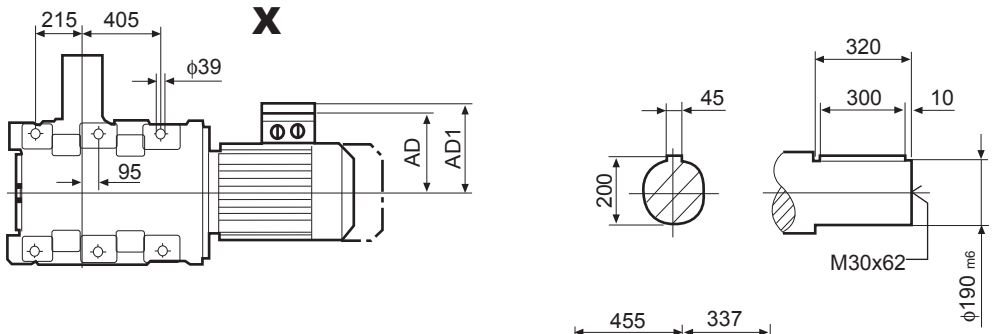


	Y160M□	Y160L□	Y180..□	Y200..□	Y225..□	Y250M□	Y280..□	Y315S□	Y315M		
AC□	275□	331□	331□	394□	394□	510□	510□	612□	612		
AD□	230□	258□	258□	285□	289□	397□	397□	430□	430		
AD1□	230□	258□	258□	285□	289□	397□	397□	430□	430		
B□	433□	480□	552□	600□	682□	771□	771□	999□	1050		
B1□	545□	636□	708□	756□	838□	956□	956□	1210□	1261		
L□	1270□	1317□	1389□	1437□	1519□	1608□	1608□	1836□	1887		
L1□	1382□	1473□	1545□	1593□	1675□	1793□	1793□	2047	2098		

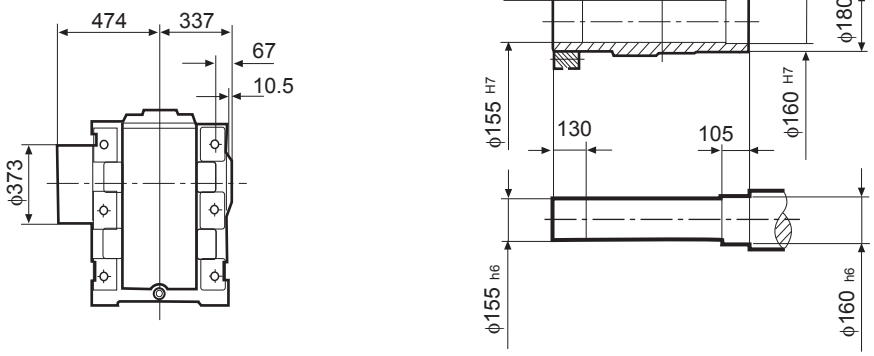


TKF 187..



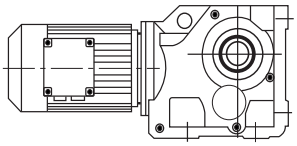


TKH187B..

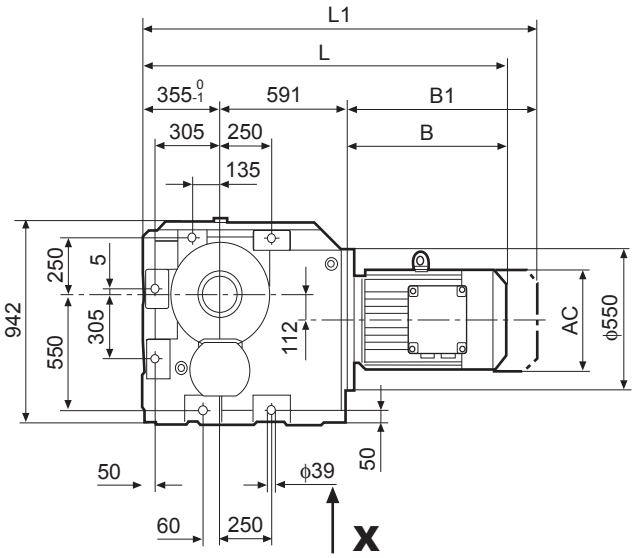


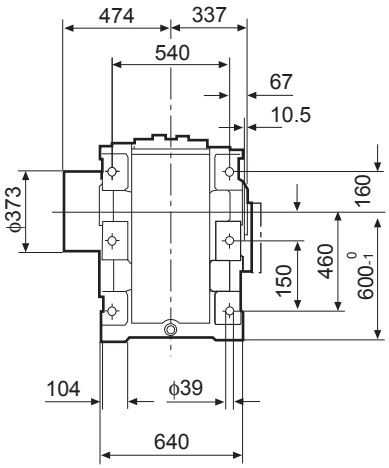
	Y180..□	Y200..□	Y225..□	Y250M□	Y280..□	Y315S□	Y315M				
AC□	331□	394□	394□	510□	510□	612□	612				
AD□	258□	285□	289□	397□	397□	430□	430				
AD1□	258□	285□	289□	397□	397□	430□	430				
B□	552□	600□	682□	771□	771□	999□	1050				
B1□	708□	756□	838□	956□	956□	1210□	1261				
L□	1498□	1546□	1628□	1717□	1717□	1945□	1996				
L1□	1654□	1702□	1784□	1902□	1902□	2156	2207				

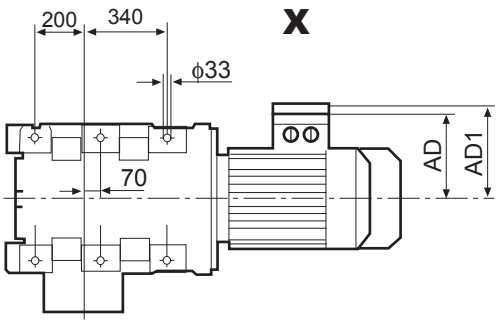
OUTLINE DIMENSION SHEET

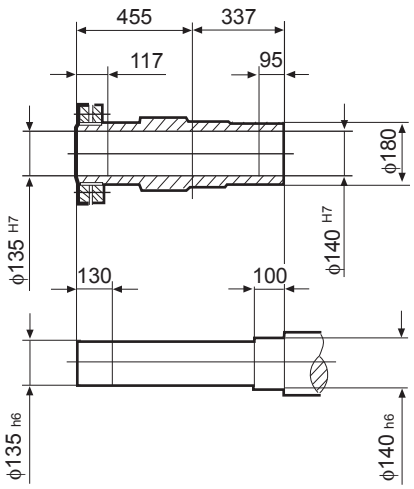


TKF 167..

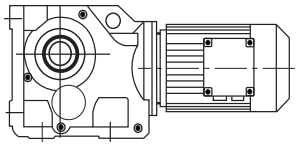




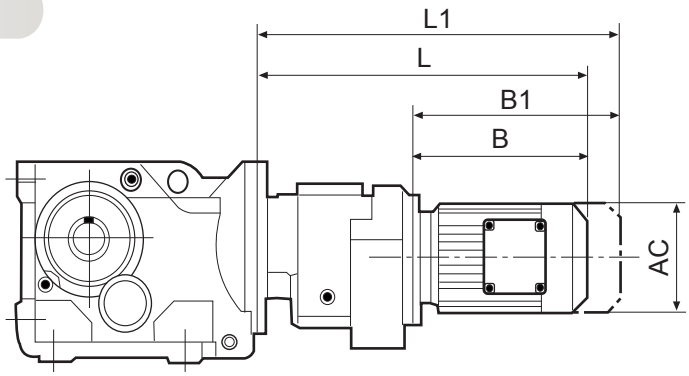




	Y180..□	Y200..□	Y225..□	Y250M□	Y280..□	Y315S□	Y315M				
AC□	331□	394□	394□	510□	510□	612□	612				
AD□	258□	285□	289□	397□	397□	430□	430				
AD1□	258□	285□	289□	397□	397□	430□	430				
B□	552□	600□	682□	771□	771□	999□	1050				
B1□	708□	756□	838□	956□	956□	1210□	1261				
L□	1498□	1546□	1628□	1717□	1717□	1945□	1996				
L1□	1654□	1702□	1784□	1902□	1902□	2156	2207				



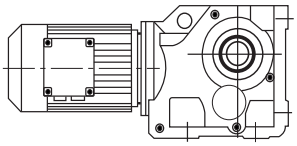
TK../TRF..



TK../TRF..□	Y..□	AC□	L□	L1□	B□	B1□
TK..37/TRF17□	Y63..□	132□	324□	379□	149□	204
	Y71D□	145□	339□	403□	164□	228□
	Y80..□	145□	389□	453□	214□	278□
TK..47/TRF37□	Y63..□	132□	356□	411□	191□	246
	Y71D□	145□	371□	435□	206□	270□
	Y80..□	145□	421□	485□	256□	320□
TK..57/TRF37□ TK..67/TRF37□	Y63..□	132□	356□	411□	191□	246
	Y71D□	145□	371□	435□	206□	270
	Y80..□	145□	421□	485□	256□	320□
	Y90..□	197□	441□	526□	276□	361□
TK..77/TRF37□	Y63..□	132□	348□	403□	191□	246
	Y71D□	145□	363□	427□	206□	270□
	Y80..□	145□	413□	477□	256□	320□
	Y90..□	197□	433□	518□	276□	361□
TK..87/TRF57□	Y63..□	132□	401□	456□	185□	240□
	Y71D□	145□	415□	479□	199□	263
	Y80..□	145□	465□	529□	249□	313□
	Y90..□	197□	485□	570□	269□	354□
	Y100M□	197□	535□	620□	319□	404□
	Y100L□	197□	565□	650□	349□	434□
TK..97/TRF57□	Y63..□	132□	396□	451□	185□	240□
	Y71D□	145□	410□	474□	199□	263□
	Y80..□	145□	460□	524□	249□	313
	Y90..□	197□	480□	565□	269□	354□
	Y100M□	197□	530□	615□	319□	404□
	Y100L□	197□	560□	645□	349□	434□
	Y112M□	221□	565□	645□	354□	434□
TK..107/TRF77..□	Y63..□	132□	426□	481□	179□	234□
	Y71D□	145□	440□	504□	193□	257□
	Y80..□	145□	490□	554□	243□	307□
	Y90..□	197□	508□	593□	261□	346□
	Y100M□	197□	558□	643□	311□	396
	Y100L□	197□	588□	673□	341□	426□
	Y112M□	221□	592□	672□	345□	425□
	Y132S□	221□	637□	717□	390□	470□
	Y132M□	275□	659□	771□	412□	524□
	Y132ML□	275□	719□	831	472	584
	Y160M	275	719	831	472	584

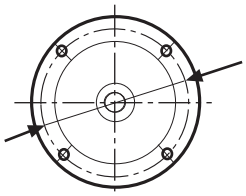
TK.. / TRF..□	Y..□	AC□	L□	L1□	B□	B1□
TK..127/TRF77□	Y63..□	132□	411□	466□	179□	234□
	Y71D□	145□	425□	489□	193□	257□
	Y80..□	145□	475□	539□	243□	307□
	Y90..□	197□	493□	578□	261□	346□
	Y100M□	197□	543□	628□	311□	396
	Y100L□	197□	573□	658□	341□	426□
	Y112M□	221□	577□	657□	345□	425□
	Y1328□	221□	622□	702□	390□	470□
	Y132M□	275□	644□	756□	412□	524□
	Y132ML□	275□	704□	816□	472□	584□
	Y160M□	275□	704□	816□	472□	584□
TK..127/TRF87□	Y90..□	197□	537□	622□	257□	342□
	Y100M□	197□	587□	672□	307□	392□
	Y100L□	197□	617□	702□	337□	422□
	Y112M□	221□	620□	700□	340□	420
	Y132S□	221□	665□	745□	385□	465□
	Y132M□	275□	687□	799□	407□	519□
	Y132ML□	275□	747□	859□	467□	579□
	Y160M□	275□	747□	859□	467□	579□
	Y160L□	331□	794□	950□	514□	670□
	Y180..□	331□	866□	1022□	586□	742□
TK..157/TRF97□ TK167/TRF97□ TKH167/BTRF97□ TK187/TRF97□ TKH187/BTRF97□	Y80..□	145□	556□	620□	231□	295□
	Y90..□	197□	576□	661□	251□	336□
	Y100M□	197□	626□	711□	301□	386□
	Y100L□	197□	656□	741□	331□	416
	Y112M□	221□	660□	740□	335□	415
	Y132S□	221□	705□	785□	380□	460
	Y132M□	275□	727□	839□	402□	514
	Y132ML□	275□	787□	899□	462□	574
	Y160M□	275□	787□	899□	462□	574□
	Y160L□	331□	834□	990□	509□	665□
	Y180..□	331□	906□	1062□	581□	737□
	Y200..□	394□	954□	1110□	629□	785□
TK..157/TRF107□ TK167/TRF107□ TKH167B/TRF107□ TK187/TRF107□ TKH187/BTRF107□	Y100M□	197□	677□	762□	295□	380□
	Y100L□	197□	707□	792□	325□	410□
	Y112M□	221□	711□	791□	329□	409
	Y132S□	221□	756□	836□	374□	454
	Y132M□	275□	778□	890□	396□	508
	Y132ML□	275□	838□	950□	456□	568
	Y160M□	275□	838□	950□	456□	568
	Y160L□	331□	885□	1041□	503□	659□
	Y180..□	331□	957□	1113□	575□	731□
	Y200..□	394□	1005□	1161	623	779
	Y225..□	394	1087	1243	705	861

OUTLINE DIMENSION SHEET

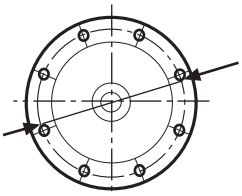


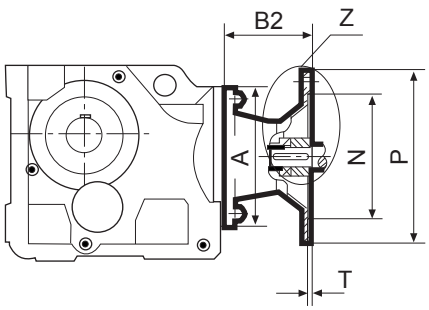
TK../AM(IEC)..

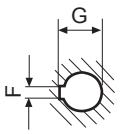
1 / Flange. 1

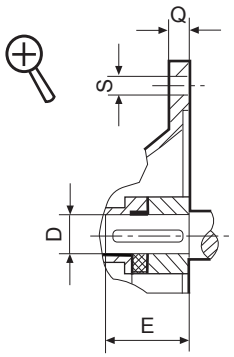


2 / Flange. 2



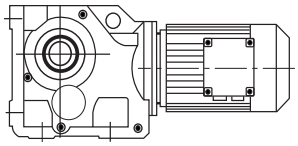






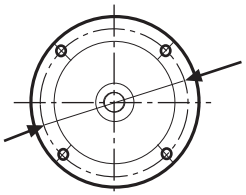
TK..□	AM..□	Flange.□	A□	B2□	D□	E□	F□	G□	M□	N□	P□	Q□	S□	T
TK..37□	AM63□	1	120	72	11□	23□	4□	12.8□	115□	95□	140□	10□	4-Φ9□	3.5
	AM71 1)				14□	30□	5□	16.3□	130□	110□	160□			
	AM80 1)□			106	19□	40□	6□	21.8□	165□	130□	200□	12□	4-Φ11□	4.5
	AM90 1)□				24□	50□	8□	27.3□						
TK..47 2)□ TK..57□ TK..67□	AM63□	1	160	66	11□	23□	4□	12.8□	115□	95□	140	10□	4-Φ9□	3.5
	AM71				14□	30□	5□	16.3□	130□	110□	160			
	AM80			99	19□	40□	6□	21.8	165□	130□	200□	12□	4-Φ11□	4.5
	AM90				24□	50□	8□	27.3						
	AM100 1)□			134	28□	60□	8□	31.3□	215□	180□	250□	15	4-Φ13.5□	5
	AM112 1)□													
	AM132S/M 1) □			191	38□	80□	10□	41.3□	265□	230□	300□	16		
TK..77□	AM63□	1	200	60	11□	23□	4□	12.8□	115□	95□	140□	10□	4-Φ 9□	3.5
	AM71□				14□	30□	5□	16.3□	130□	110□	160□			
	AM80□			92	19□	40□	6□	21.8□	165□	130□	200□	12□	4-Φ 11□	4.5
	AM90				24□	50□	8□	27,3□						
	AM100 1)□			126	28□	60□	8□	31.3□	215	180	250	15	4-Φ 13.5	5
	AM112 1)□													
	AM132S/M 1)□			179	38□	80□	10□	41.3□	265□	230□	300□	16□		
	AM132ML 1)□													
TK..87□	AM80□	1	250	87	19□	40□	6□	21.8□	165□	130□	200□	12□	4-Φ 11□	4.5
	AM90□				24□	50 □	8□	27.3□						
	AM100□			121	28□	60□	8□	31.3□	215□	180□	250□	15□	4-Φ13.5□	5
	AM112													
	AM132S/M□			174	38□	80□	10□	41.3□	265□	230□	300□	16□		
	AM132ML													
	AM160 1)			232	42□	110	12□	45.3□	300□	250□	350□	18□	4-Φ 17.5□	6
	AM180 1)				48		14□	51.8						

1. Dimension P/2 may protrue past foot mounting surface, please check.
2. Not with AM112

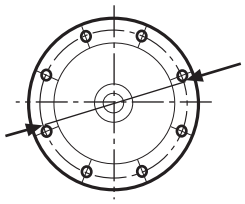


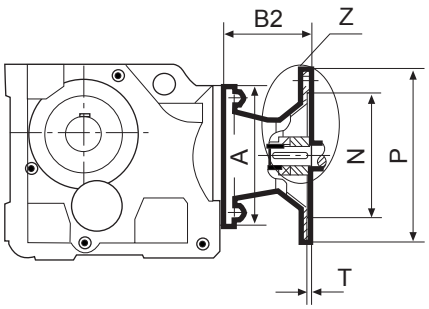
TK../AM(IEC)..

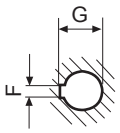
1 / Flange. 1

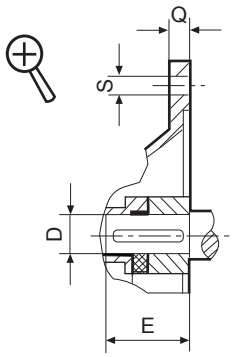


2 / Flange. 2



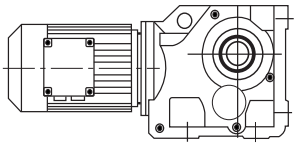






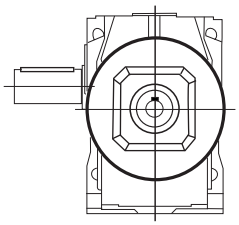
TK..□	AM..□	Flange.□	A□	B2□	D□	E□	F□	G□	M□	N□	P□	Q□	S□	T
TK..97□	AM100□	1□	300□	116□	28□	60□	8□	31.3□	215□	180□	250□	15□	4-13 ϕ13.5	5
	AM112□													
	AM132S/M□			169□	38□	80□	10□	41.3□	265□	230□	300□	16□		
	AM132ML□													
	AM160□				42□	110□	12□	45.3□	300□	250□	350□	18	4-0 ϕ17.5	6
	AM180□			227□	48□		14□	51.8□						
	AM200□			268□	55□		16□	59.3□	350□	300□	400□	20□		7
TK..107□	AM100□	1□	350□	110□	28□	608□		31.3□	215□	180□	250□	15□	4-0 ϕ 13.5	5
	AM112□													
	AM132S/M□			163□	38□	80□	10□	41.3□	265□	230□	300□	16□		
	AM132ML □													
	AM160□			221□	42□	110□	12□	45.3□	300□	250□	350□	18	4-0 ϕ 17.5	6
	AM180□				48□		14□	51.8						
	AM200□			262□	55□		16□	59.3□	350□	300□	400□	20		7
	AM225□	2□		277□	60□	140□	18□	64.4□	400□	350□	450□	22□	8-0 ϕ 17.5	
TK..127□	AM132S/M□	1□	450□	148□	38□	80□	10□	41.3□	265□	230□	300□	16□	4-0 ϕ 13.5	5
	AM132ML□													
	AM160□			206□	42□	110□	12□	45.3□	300□	250□	350□	18	4-0 ϕ 17.5	6
	AM180□				48□		14□	51.8□						
	AM200□			247□	55□		16□	59.3□	350□	300□	400□	20		7
	AM225□	2□		262□	60□	140□	18□	64.4□	400□	350□	450□	22□		
	AM250□			336□	65□		20□	69.4□	500□	450□	550□	25		
	AM280□				75□			79.9□						
TK..157□ TK..167□ TK..187	AM160□	1□	550	198□	42□	110□	12□	45.3□	300□	250□	350□	18	8-0 ϕ 17.5	6
	AM180□				48□		14□	51.8□						
	AM200□			239□	55□		16□	59.3□	350□	300□	400□	20		7
	AM225□	2		254□	60□		18□	64.4□	400□	350□	450□	22□		
	AM250			328□	65□		140□	69.4□	500□	450□	550□	25		
	AM280				75□		20	79.9						

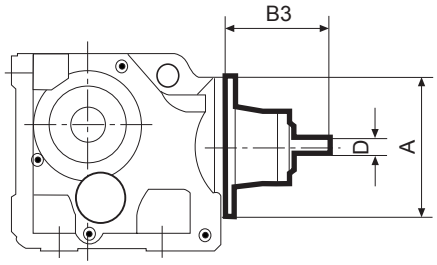
OUTLINE DIMENSION SHEET

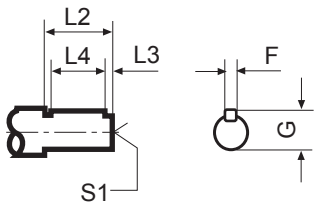


TK..AD..

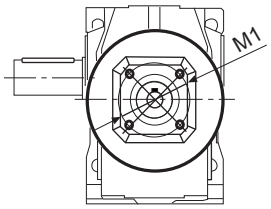
TK..AD..

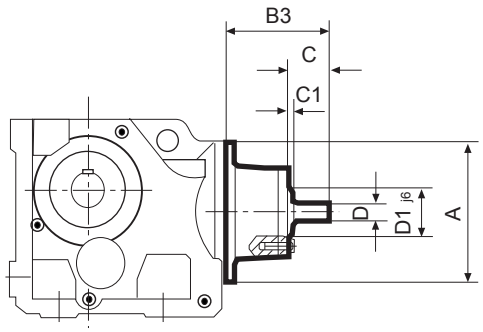


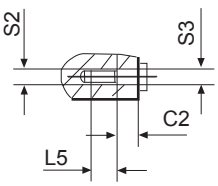




TK..AD../ZR



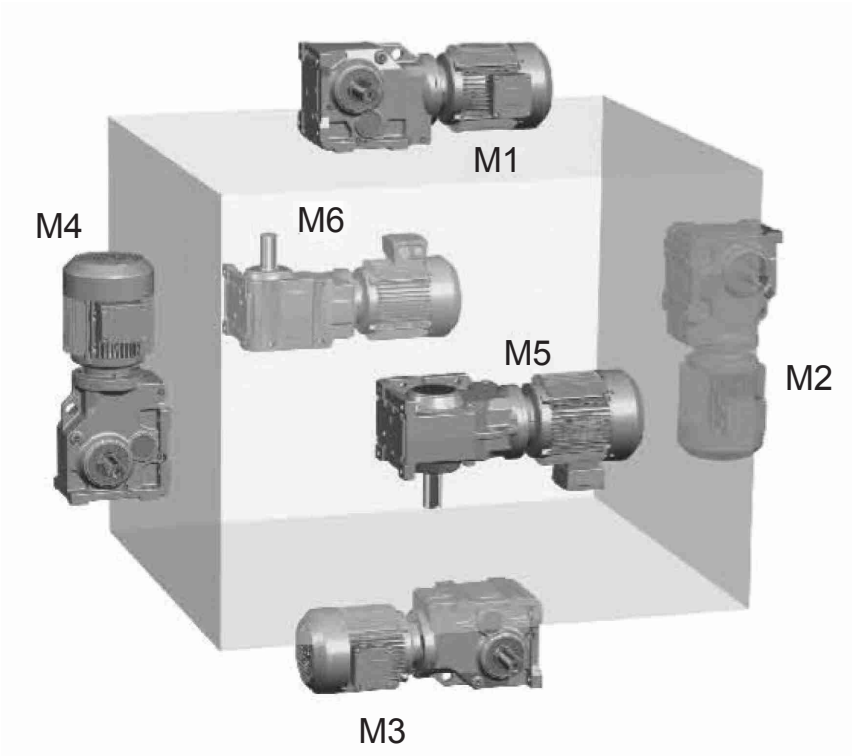




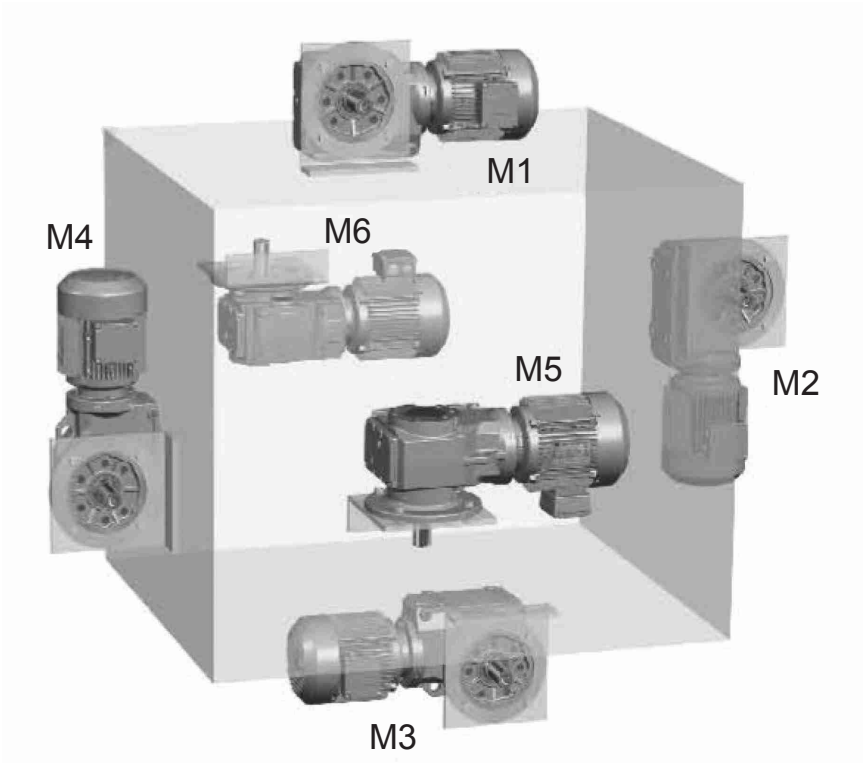
TK..□	AD..□	A□	B3□	C□	C1□	C2□	D□	D1□	F□	G□	L2□	L3□	L4□	L5□	M1□	S1□	S2□	S3
TK..37 □	AD1□	120□	102□	-□	-□	-□	16□	-□	5□	18□	40□	4□	32□	-□	-□	M5X12.5□	-□	-□
	AD2,AD2/ZR□		130□	50□	8□	13.5□	19□	55□	6□	21.5□	40□	4□	32□	12□	80□	M6X16□	MB□	9
TK..47□	AD2,AD2/ZR□		123□	50□	8□	13.5□	19□	55□	6□	21.5□	40□	4□	32□	12□	80□	M6X16□	MB□	9
TK..57□		160□																
TK..67□	AD3,AD3/ZR□		159□	60□	8□	15.5□	24□	70□	8□	27□	50□	5□	40□	16□	105□	MBX19□	M10□	11□
	AD2,AD2/ZR□		116□	50□	8□	13.5□	19□	55□	6□	21.5□	40□	4□	32□	12□	80□	M6X16□	M8□	9
TK..77□	AD3,AD3/ZR□	200□	151□	60□	8□	15.5□	24□	70□	8□	27□	50□	5□	40□	16□	105□	M8X19□	M10□	11□
	AD4,AD4/ZR□		224□	95.5□	13□	16□	38□	100□	10□	41□	80□	5□	70□	20□	130□	M12X28□	M12□	13.5□
	AD2,AD2/ZR□		111□	50□	8□	13.5□	19□	55□	6□	21.5□	40□	4□	32□	12□	80□	M6X16□	M8□	9
TK..87□	AD3,AD3/ZR□	250□	156□	70□	8□	15.5□	28□	70□	8□	31□	60□	5□	50□	16□	105□	M8X19□	M10□	11□
	AD4,AD4/ZR□		219□	95.5□	13□	16□	38□	100□	10□	41□	80□	5□	70□	20□	130□	M12X28□	M12□	13.5□
	AD5,AD5/ZR□		292□	126□	11□	24□	42□	120□	12□	45□	110□	10□	70□	20□	180□	M16X36□	M12□	13.5□
	AD3,AD3/ZR□		151□	70□	8□	15.5□	28□	70□	8□	31□	60□	5□	50□	16□	105□	M8X19□	M10□	11
TK..97□	AD4,AD4/ZR□	300□	214□	95.5□	13□	16□	38□	100□	10□	41□	80□	5□	70□	20□	130□	M12X28□	M12□	13.5□
	AD5,AD5/ZR□		287□	126□	11□	24□	42□	120□	12□	45□	110□	10□	70□	20□	180□	M16X36□	M12□	13.5□
	AD6,AD6/ZR□		327□	130.5□	11□	22.5□	48□	130□	14□	51.5□	110□	10□	80□	26□	200□	M16X36□	M16□	17.5□
	AD3,AD3/ZR□		145□	70□	8□	15.5□	28□	70□	8□	31□	60□	5□	50□	16□	105□	M8X19□	M10□	11
TK..107□	AD4,AD4/ZR□	350□	208□	95.5□	13□	16□	38□	100□	10□	41□	80□	5□	70□	20□	130□	M12X28□	M12□	13.5□
	AD5,AD5/ZR□		281□	126□	11□	24□	42□	120□	12□	45□	110□	10□	70□	20□	180□	M16X36□	M12□	13.5□
	AD6,AD6/ZR□		321□	130.5□	11□	22.5□	48□	130□	14□	51.5□	110□	10□	80□	26□	200□	M16X36□	M16□	17.5□
	AD4,AD4/ZR□		193□	95.5□	13□	16□	38□	100□	10□	41□	80□	5□	70□	20□	130□	M12X28□	M12□	13.5□
	AD5,AD5/ZR□		266□	126□	11□	24□	42□	120□	12□	45□	110□	10□	70□	20□	180□	M16X36□	M12□	13.5
TK..127□	AD6,AD6/ZR□	450□	306□	130.5□	11□	22.5□	48□	130□	114□	51.5□	110□	10□	80□	26□	200□	M16X36□	M16□	17.5□
	AD7,AD7/ZR□		300□	133□	13□	19□	55□	125□	16□	59□	110□	10□	90□	30□	190□	M20X42□	M20□	22□
	AD8,AD8/ZR□		383□	155□	5□	22.5□	70□	120□	20□	74.5□	140□	15□	110□	19.5□	210□	M20X42□	M12□	13.5
TK..157□	AD5,AD5/ZR□		258□	126□	11□	24□	42□	120□	12□	45□	110□	10□	70□	20□	180□	M16X36□	M12□	13.5
TK..167□	AD6,AD6/ZR□	550□	298□	130.5□	11□	22.5□	48□	130□	14□	51.5□	110□	10□	80□	26□	200□	M16X36□	M16□	17.5
TK..187□	AD7,AD7/ZR□		292□	133□	13□	19□	55□	125□	16□	59□	110□	10□	90□	30□	190□	M20X42□	M20□	22□
	AD8,AD8/ZR□		374□	155□	5□	22.5□	70□	120□	20□	74.5□	140□	15□	110	19.5	210	M20X42	M12	13.5

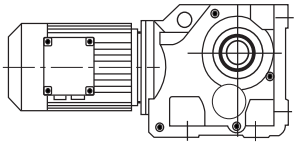
8.1 Mounting Position designation

Differentiates between six mounting positions, M1.....M6 for gear units. The following figure shows thespatial orientation of the gearmotor in mounting positions M1 ... M6.



TK..



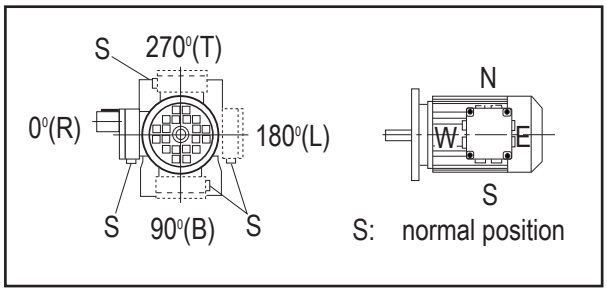


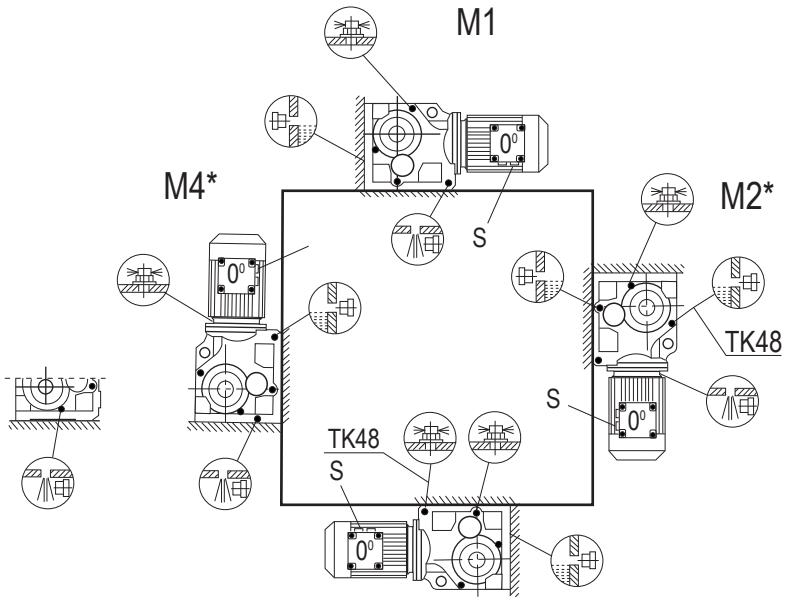
MOUNTING POSITIONS

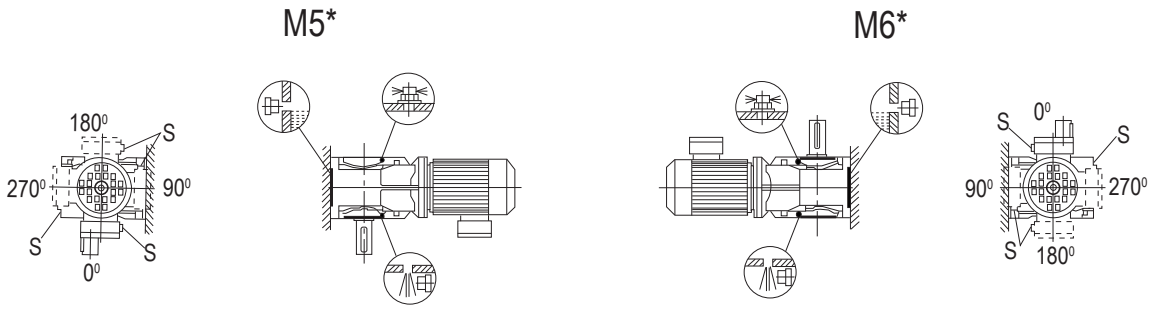
8.2 Mounting Position for helical-bevel gearmotors

TK/TKA..B/TKH37B-157B, TKV37B-107B

Symbol	Meaning
	Breather valve
	Oil Level Plug
	Oil drain plug



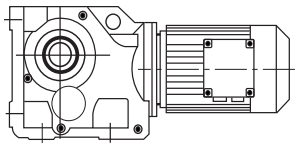




Mounting Position□	Gear unit size□	Input speed□ (r/min)□
M2*,M3*,M4*,M5*,M6*□	77..107□	> 2500
	> 107□	> 1500

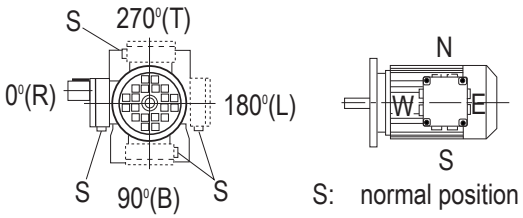
Important: Please refer to the i Information in the 'Geared Motors'catalog, Sec. (page 6)

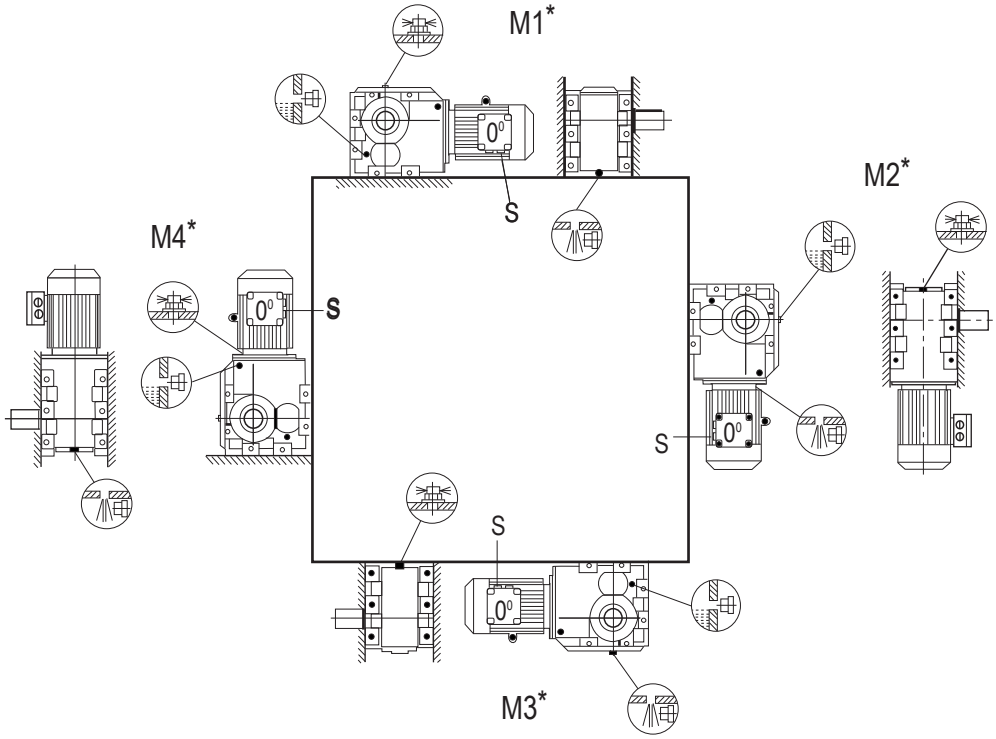
Increased churning losses may arise in some mounting positions. Contact our company in case of the above-mentioned combinations.

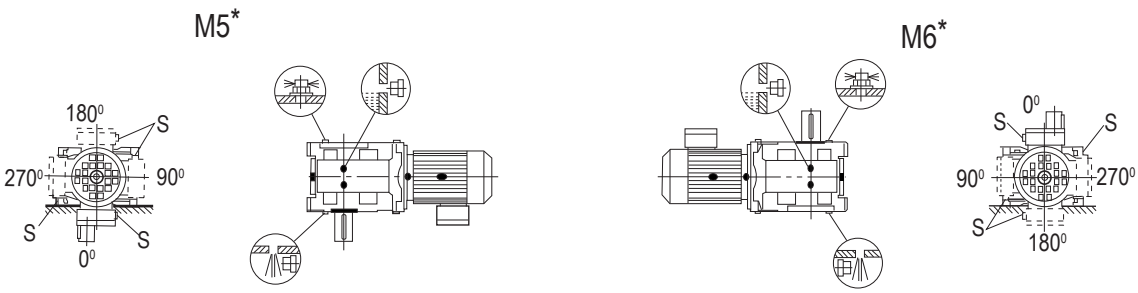


TK167-187, TKH167B-187B

Symbol	Meaning
	Breather valve
	Oil Level Plug
	Oil drain plug



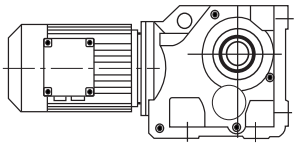




Mounting Position□	Gear unit size□	Input speed□ (r/min)□
M2*,M3*,M4*,M5*,M6*□	77..107□	> 2500
	> 107□	> 1500

Important: Please refer to the Information in the 'Geared Motors'catalog, Sec. (page 6)

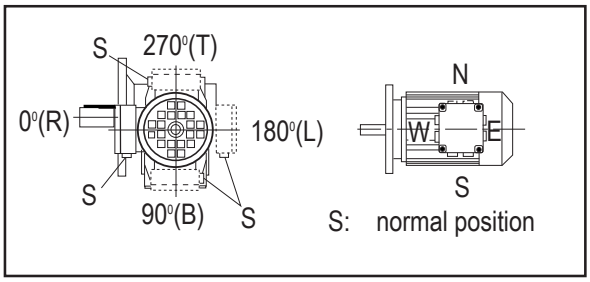
Increased churning losses may arise in some mounting positions. Contact our company in case of the above-mentioned combinations.

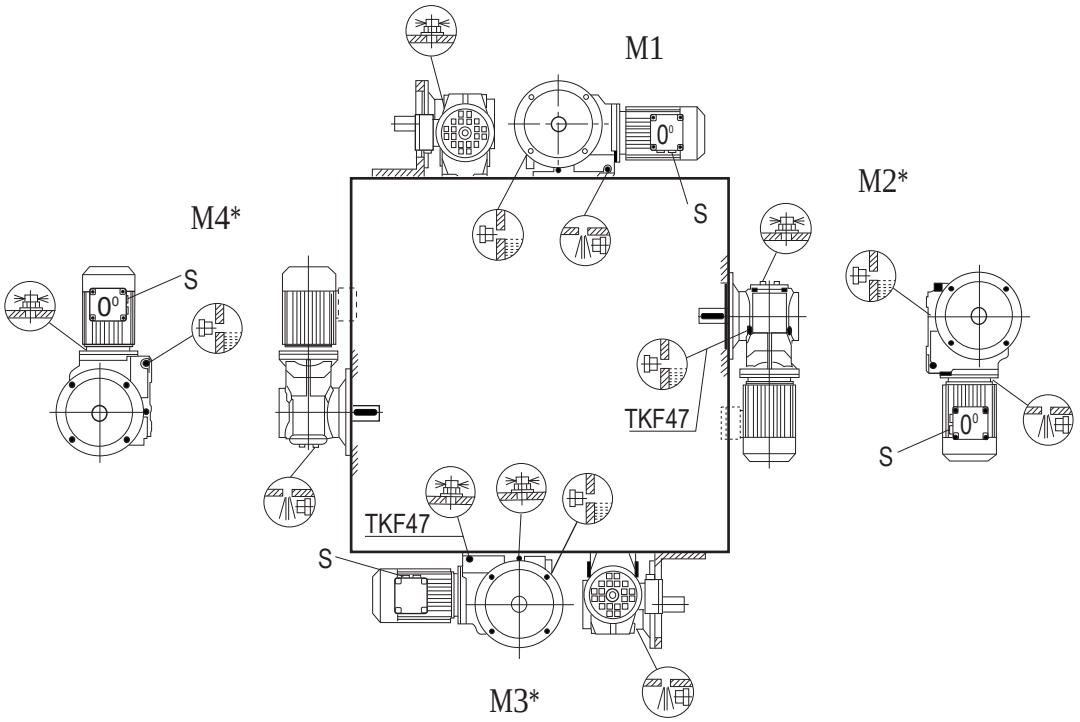


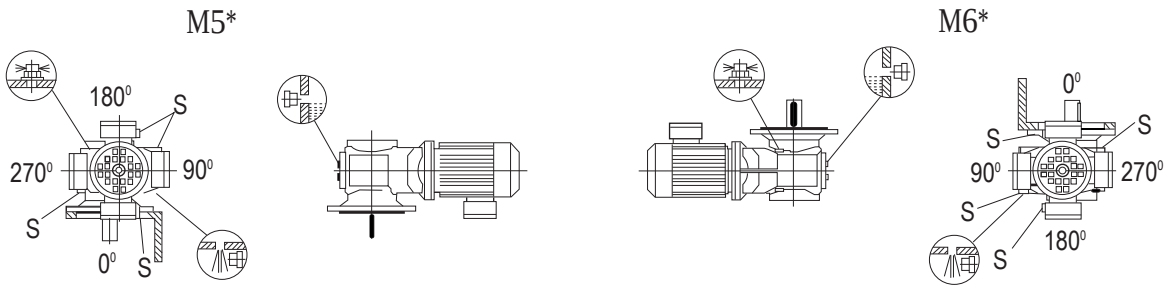
MOUNTING POSITIONS

TKF/TKAF/TKHF/TKAZ/TKHZ37-157,TKVF

Symbol	Meaning
	Breather valve
	Oil Level Plug
	Oil drain plug

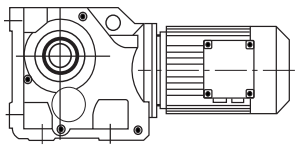






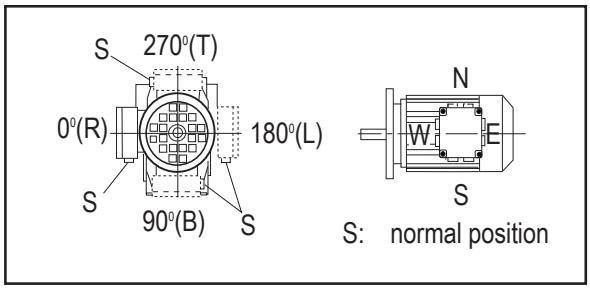
Mounting Position□	Gear unit size□	Input speed□ (r/min)□
M2*,M3*,M4*,M5*,M6*□	77..107□	> 2500
	> 107□	> 1500

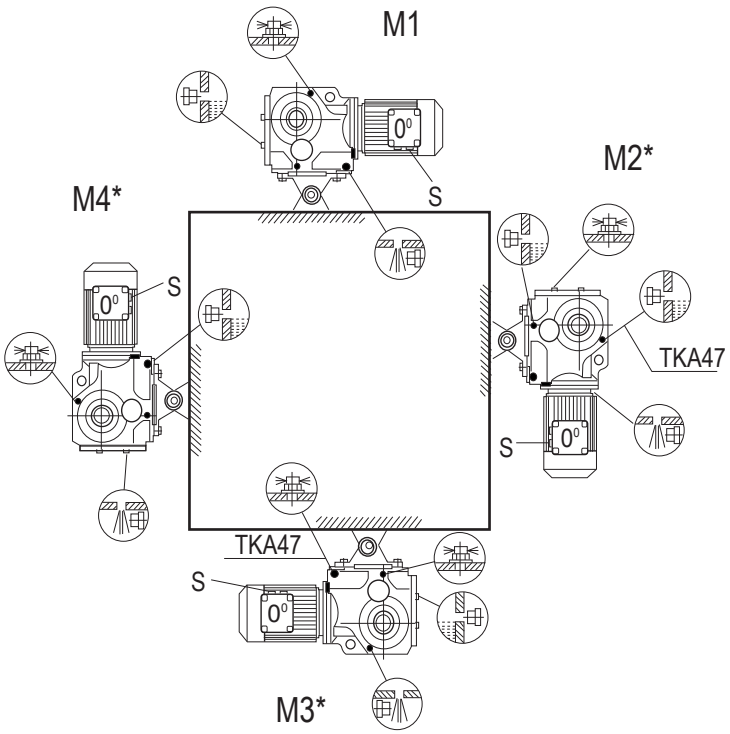
Increased churning losses may arise in some mounting positions. Contact our company in case of the above-mentioned combinations.

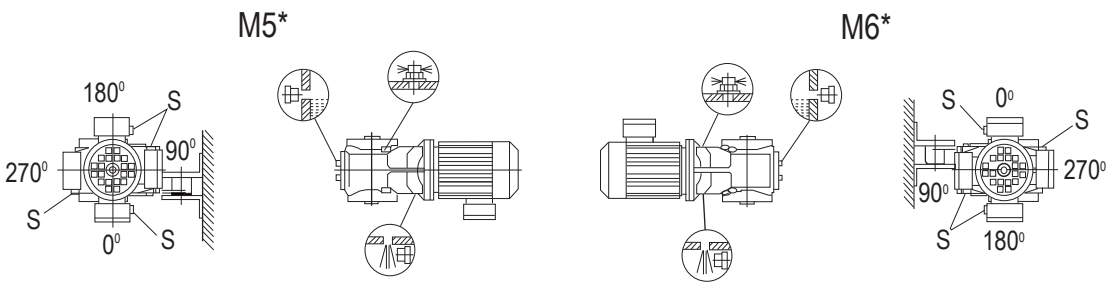


TKA/TKH37-157, TKV37-107

Symbol	Meaning
	Breather valve
	Oil Level Plug
	Oil drain plug



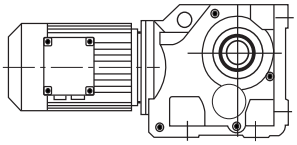




Mounting Position	Gear unit size	Input speed (r/min)
M2*,M3*,M4*,M5*,M6*	77..107	> 2500
	> 107	> 1500

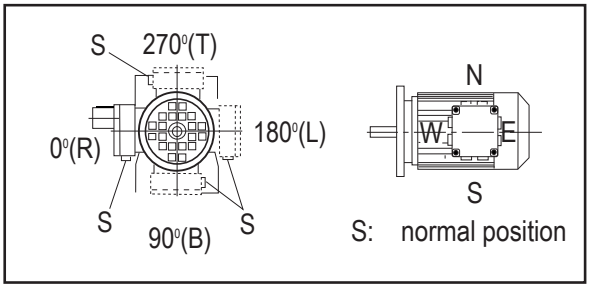
Increased churning losses may arise in some mounting positions. Contact our company in case of the above-mentioned combinations.

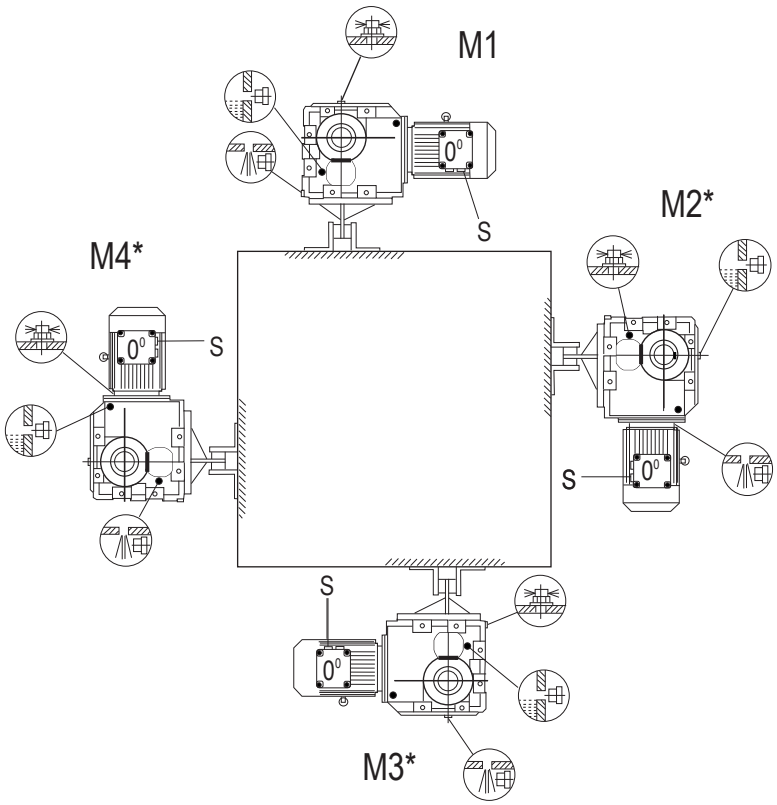
MOUNTING POSITIONS

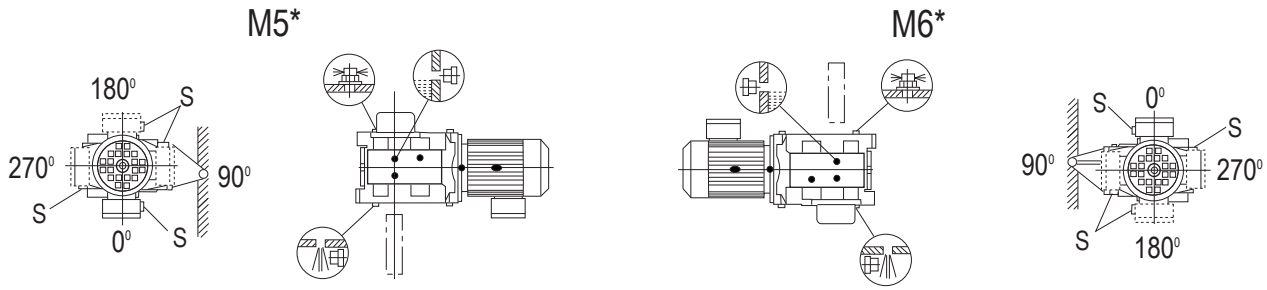


TKH167-187

Symbol	Meaning
	Breather valve
	Oil Level Plug
	Oil drain plug







Mounting Position□	Gear unit size□	Input speed□ (r/min)□
M2*,M3*,M4*,M5*,M6*□	77..107□	> 2500
	> 107□	> 1500

Increased churning losses may arise in some mounting positions. Contact our company in case of the above-mentioned combinations.

8.3 Direction of rotation

If the drive has a backstop RS,it is also necessary to stipulate the direction of rotation of the drive .The following definition applies looking onto the output shaft:
Clocwise(CW) = Rotating clockwise
Counterclockwise (CCW) = Rotating clockwise

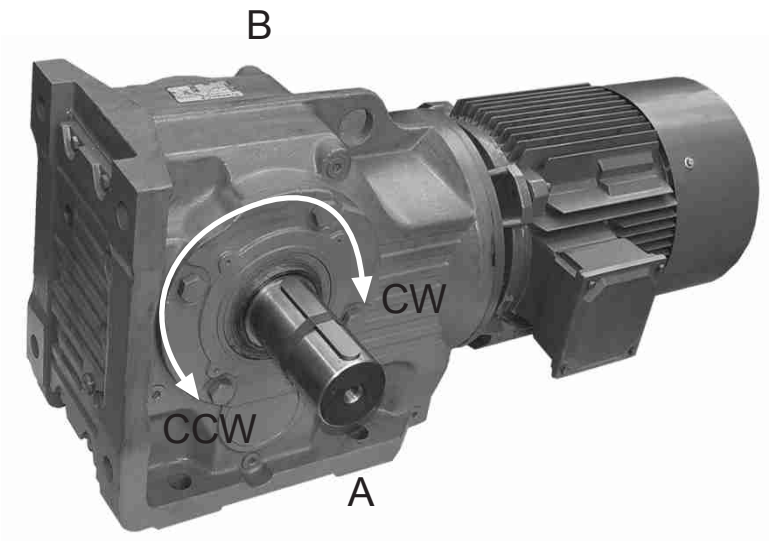


Figure : Direction of rotation of the output. In right-angle gear units it is also necessary to stipulate whether the direction of rotation is given looking onto the A or B end.

8.4 Position of the output shaft and the output flange

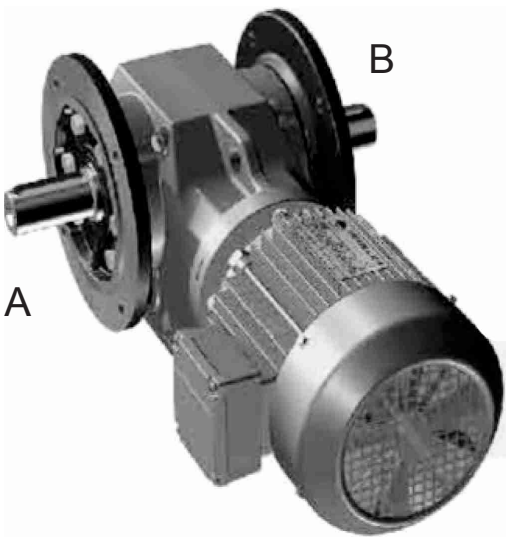
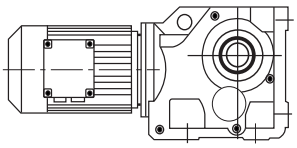


Figure:Position of the output shaft and the output flange

In right-angle gear units ,it is also necessaty to stipulate the position of the output shaft and the output flange:
A or B or A+B



INSTALLATION METHOD

8.4 Position of the connection end in right-angle gear units

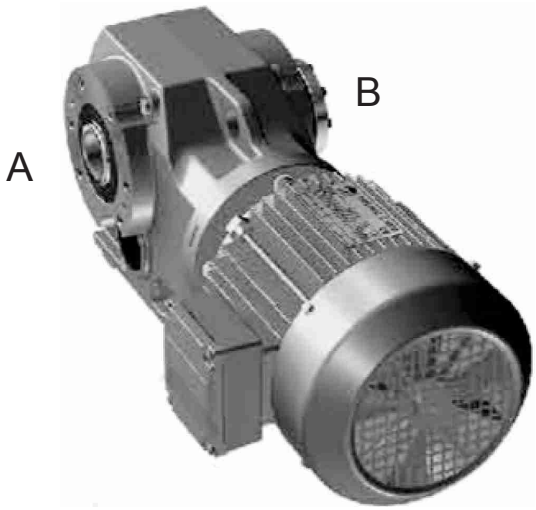
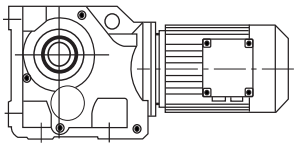


Figure. Position of the connection end In shaft mounted right-angle gear unit with a shrink disk, it is also necessary to stipulate whether the A or B end is the connection end .
In Figure 12: the A end is the connection end ,the shrink disk is located opposite to the connection end.

8.5 Sample Order

Only connection end at bottom is possible with helical-bevel gear units TK167/TK187 in mounting positions N5 and M6.

TYPE (examples)	Mounting position	Shaft with	Flange with	Connection end	Position of shrink disk	Position of terminal box	Position	Direction of rotation of the output
TKF47Y71D4/RS	M2	A	L	-	-	0^{0}	'S'	CW
TSF77Y100L4	MG	A+B	A+B	-	-	90°	'N'	-
TKA97Y132M4	M4	-	-	B	-	270'.	'E'	-
TKH107Y100L4	M1	-	-	A	B	180°	'N'	-



9. INSTALLATION METHODS

9.1. Preparation before the installation:

a). Check if the data on the nameplates of the gearmotor matches the voltage supply system.

b). Check if the drive has not been damaged during transportation and storage.

c). For standard gear unit, the ambient temperature must be in accordance with the corresponding lubricant table.

d). The drive must not be assembled in conditions such as oil, gas, vapors, acids, radiation and so on.

e). Output shaft and flange surfaces must thoroughly cleaned to ensure they are free of anti-corrosion agents, contamination or similar. Use a commercially available solvent. Do not let the solvent come into contact with the sealing lip of the oil seals, or will damage the material!

f). The supporting structure must have the following characteristics: level, vibration damping and torsionally rigid.

g). So as to prevent the tolerance of fit of gear units from damaging, the parts assembled on the gear units must be worked as specified tolerance according to ISOH7.

9.2. The installation of the gear units:

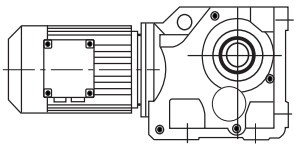
a). Do not tighten the housing legs and mounting flanges against one another and ensure that you comply with the permitted radial load and axial load.

b). Never drive belt pulleys, couplings, pinions, etc. onto the shaft end by hitting them with a hammer. This will damage the bearing, housing and the shaft.

c). When installing the IEC couplings, remove the key from the motor shaft and replace it with the supplied key. Secure key and coupling half using grub screw and tighten to the motor shaft. Seal the contact surface between the adapter and motor using a suitable sealing compound.

d). Prior to startup, check that if the oil level is as specified for the mounting position. if the oil checking and drain screw and the breather valves are free accessible.

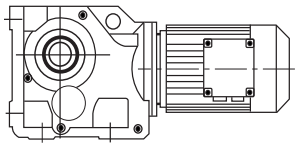
LUBRICATION



	℃ -50 0 +50 +100	ISO	SHELL	MOBIL	BP	lubrication type
TK..	Standard −10 +40	VG 220	Shell Omala 220	Mobilgear 630	BP Energol GR-XP 220	Mineral oil
	−20 +25	VG 150 VG 100	Shell Omala 100	Mobilgear 627	BP Energol GR-XP 100	
	−30 +10	VG 68-46 VG 32	Shell Tellus T 32	Mobil D.T.E. 13M		
	−40 −20	VG 22 VG 15	Shell Tellus T 15	Mobil D.T.E. 11M	BP Energol HLP-HM 15	
	−40 +80	VG 220	Shell Omala HD 220	Mobil SHC 630		Synthetic oil
	−40 +40	VG 150		Mobil SHC 629		
	−40 +10	VG 32		Mobil SHC 624		

10. LUBRICANT FILL QUANTITY

The specified fill quantities are recommended values. The precise values vary depending on the number of stages and gear ratio. When filling, it is essential to check the oil level plug since it indicates the precise oil capacity. The following tables show guide values for lubricant fill quantities in relation to the mounting position M1 ~ M6.



TK..,TKA...B,TKH..B,TKV..B :

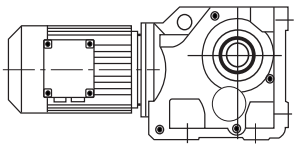
Gear units□	Eill quantity in liters□					(L)
	Mi□	M2□	M3□	M4□	M5□	MS
TK..37□	0.50□	1.00□	1.00□	1.30□	0.95□	0.95
TK..47□	0.80□	1.30□	1.50□	2.0□	1.60□	1.60
TK..57□	1.20□	2.3□	2.5□	3.0□	2.6□	2.4
TK..67□	1.10□	2.4□	2.6□	3.4□	2.6□	2.6
TK..77□	2.2□	4,1□	4.4□	5.9□	4.2□	4.4
TK..87□	3.7□	8.0□	8.7□	10.9□	8.0□	8.0
TK..97□	7.0□	14.0□	15.7□	20.0□	15.7□	15.5
TK..107□	10.0□	21.0□	25.5□	33.5□	24.0□	24.0
TK..127□	21.0□	41.5□	44.0□	54□	40.0□	41.0
TK..157□	31.0□	62□	62□	90□	58□	62
TK..167□	33.0□	95□	105□	123□	85□	84
TK..187□	53□	152□	167	200	143	143

TKF...:

Gear units□	Eill quantity in liters □					(L)
	M1□	M2□	M3□	M4□	M5□	MS
TKF37□	0.50□	1.00□	1.00□	1.50□	1.00□	1.00
TKF47□	0.80□	1.30□	1.70□	2.2□	1.60□	1.60
TKF57□	1.30□	2.3□	2/□	3.2□	2.9□	2.7
TKF67□	1.10□	2.4□	2.8□	3.6□	2.7□	2.7
TKF77□	2.1□	4.1□	4.4□	6.0□	4.5□	4.5
TKF87□	3.7□	8.2□	9.0□	11.9□	8.4□	8.4
TKF97□	7.0□	14.7□	17.3□	21.5□	15.7□	16.5
TKF107□	10.0□	22.0□	26.0□	35.0□	25.0□	25.0
TKF127□	21.0□	41.5□	46.0□	55□	41.0□	41.0
TKF157□	31.0□	66□	69□	92	62	62

TKA..., TKH.., TKV.., TKAF.., TKHF.., TKAZ.., TKHZ.., TKVH..

Gear units□	Eill quantity in liters □					(L)
	M1□	M2□	M3□	M4□	M5□	M6
TK..37□	0.50□	1.00□	1.00□	1.40□	1.00□	1.00
TK..47□	0.80□	1.30□	1.60□	2.1□	1.60□	1.60
TK..57□	1.30□	2.3□	2.7□	3.2□	2.9□	2.7
TK..67□	1.10□	2.4□	2.7□	3.6□	2.6□	2.6
TK..77□	2.1□	4.1□	4.6□	6.0□	4.4□	4.4
TK..87□	3.7□	8.2□	8.8□	11.1□	8.0□	8.0
TK..97□	7.0□	14.7□	15.7□	20.0□	15.7□	15.7
TK..107□	10.0□	20.5□	24.0□	32.0□	24.0□	24.0
TK..127□	21.0□	41.5□	43.0□	52□	40.0□	40.0
TK..157□	31.0□	66□	67□	87□	62□	62
TK..167□	33,0□	95□	105□	123□	85□	84
TK..187□	53□	152□	167	200□	143	143



11. MAINTENANCE

1). For gear units, first oil change should beafter about 300 hours (run-in period). The right lotion is required to clean the gear units with care. Never mix the synthetic oil and mineral oil together.

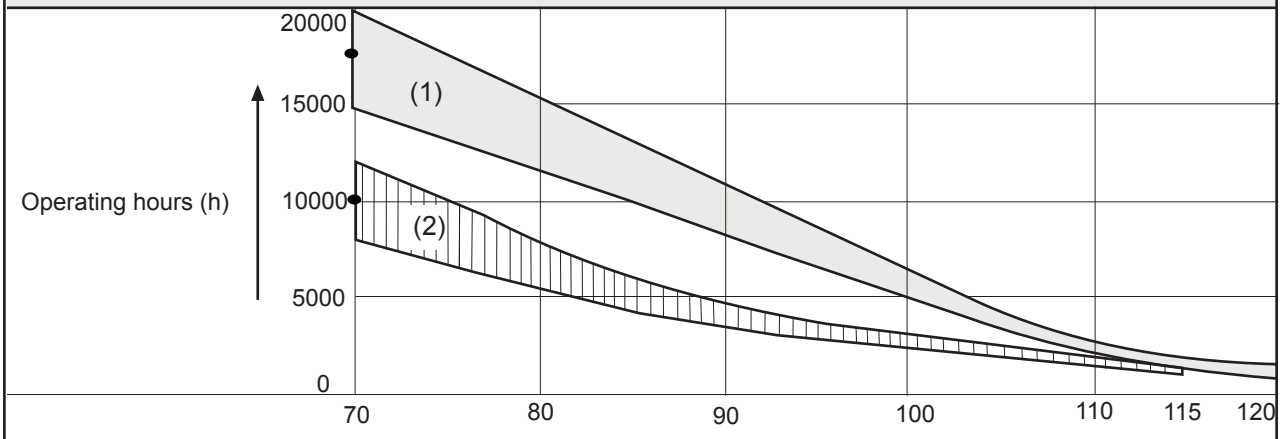
2). Every 3000 working time, at least every 6 months, you have to check the oil and oil level, the seals visually for leakage. For IEC input gear units, the elastomer should be tested or replaced if necessary.

3). Depending on the operating conditions (see chart below), every 3 years at the latest for inspection is needed. Then change the mineral oil and replace the bearing grease.

4). Depending on the operating conditions, change the oil seals on output shaft.

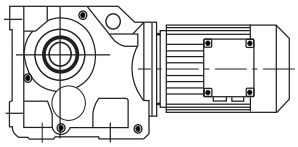
5). Once the malfunctions appear, stop disassembling the parts, and firstly please contact the customer service (the information about specification, delivery date, series number, time used, name of machine, machine manufacturer, malfunction problems is required) , then take the reasonable measures.

Oil change intervals for standard gear units under normal environmental conditions



-□ Average value per oil type at 70 °C

(1) Synthetic oil
(2) Mineral oil



12. STORAGE

1). Under roof, protected against rain and snow, no shock loads.

2). Underlay the block and other material between the ground and equipment.

3). The opened but not used gear units should be added with the anti-corrosive oil on its surface, and then return to the packing containers timely.

4). Two years or more given regular inspections. Check for cleanliness and mechanical damage as part of the inspection,Check corrosion

13. NOTICE FOR ORDER

Please offer the following information when place the orders:

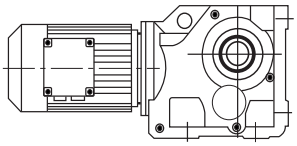
1). The model mark of the gear units (type, ratio, Power and mounting position).

2). Gear units are available with "blue/gray" painting optionally.Unless specified, it offers the blue painting as standard.

3). Quantity ordered.

4). Other special requirements.

5). Company, contact and telephone.



MALFUNCTIONS

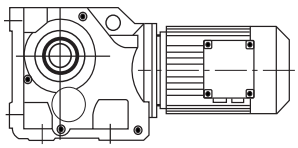
14.1. Gear unit malfunction

Problem	Possible cause	Remedy
Unusual, regular running noise	A. Meshing/grinding noise. Bearing gearing B. Knocking noise: irregularity in the damage,	A. Check the oil, change bearings B. Contact customer service
Unusual, irregular running noise	Foreign bodies in the oil	• Check the oil • Stop the drive, contact customer service
Oil leakingi) • From the gear cover plate • From the motor flange • From the motor oil seal • From the gear unit flange • From the output end oil seal	A. Rubber seal on the gear cover plate leaking B. Seal defective C. Gear unit not vented	A. Tighten the bolts on the gear cover plate and observe the gear unit. Oil still leaking:Contact customer service B. Contact customer service C. Vent the gear unit (see "Mounting Positions")
Oil leaking from breaking valve	A. Too much oil B. Drive operated in incorrect mounting position C. Frequent cold starts(oil foams) and/or high oillevel	A. Correct the oil level (see Sec. "Inspection and Maintenance") B. Mount the breather valve correctly (see Sec."Mounting Positions")and correct the oil level(see"Lubricants')
Output shaft does not turn although the motor is run-ning or the input shaft is rotated	Connection between shaft and hub in gear unit interrupted	Send in the gear unitigearmotor for repair

1) Short-term oil/grease leakage at the oil seal is possible in the run-in phase (24 hours running time).

14.2. IEC Coupling unit malfunction

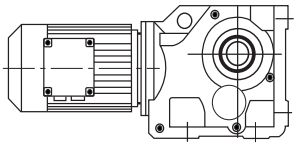
Problem	Possible cause	Remedy
Unusual, regular running noiseBearing damage	Meshing/grinding noise: service	Contact our company customer
Oil leaking	Seal defective	Contact our company customer service
Output shaft does not turn although the motor is run-ning or the input shaft is rotated	Connection between shaft and h b in gear unit interrupted	Send the gear unit to our company for repair.
Change in running noise and I or vibrations occur	A. Annular gear wear, short-term torque transfer through metal contact B. Bolts to secure hub axially are loose.	A. Change the annular gear B. Tighten the bolts
Premature wear in annular gear	A. Contact with aggressive fluids I oil; ozone influence; too high ambient temperatures etc, which can cause a change in the physical properties of the annular gear. B. Impermissibly high ambient/contact temperature for the annular gear; maximum permitted temperature –20 °C to +80 'C. C. Overload	Contact our company customer service



15. Charge Characteristik Chart (for refereance)

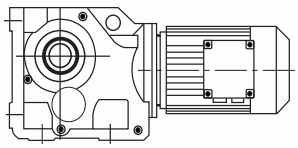
AIR BLOWERS□		Hoist gear assembly□	A
Air blower(axial or radial)□	A□	Derrick gear assembly□	B
Fan of cooling tower□	B□	Steering gear assembly□	B
Induced draught fan□	B□	Moving gear assembly□	C
Rotary piston type fan□	B□	LAND DREDGER□	
Turbo-fan□	A□	Drum-type conveyer□	C
CONSTRUCTION MACHINERY□		Drum-type rotation wheel□	C
Concrete mixer□	B□	Dredger head□	C
Hoist□	B□	Powered crab□	B
Road building machinery□	B□	Pump□	B
Boring mill□	B□	Pump turning gear assembly□	B
CHEMICAL MACHINERY□		Moving gear assemhly (apron wheel)□	C
Mixer (liquid)□	A□	Moving gear assembly (track)□	B
Mixer (half liquid)□	B□	FOODSTUFF PROCESSING MACHINERY□	
Centrifuge (heavy)□	B□	Placer or box filler□	A
Centrifuge(light)□	A□	Cane crusher□	A
** Cooling rolling drum□	B□	** Cane cutter□	B
** Dry rolling drum□	B□	** Cane crasher□	C
Mixer□	B□	Mixer□	B
COMPRESSOR□		Paste bucket□	B
Piston type compressor□	C□	Packager□	A
Turbo-compressor□	B□	Beet slicer□	B
TRANSMISSION FREIGHTER□		Beet washing machine□	B
Pan conveyer□	B□	MOTOR AND CONVERSION EQUIPMENTS□	
Balance lifter□	B□	Frequency converter□	C
Trough conveyer□	B□	Motor□	C
Ribbon conveyer (large piece)□	C□	Welding motor□	C
Ribbon coveyer (small piece)□	B□	WASHING MACHINE□	
Drum-type flour conveyer□	A□	Rolling drum□	B
Chain conveyer□	B□	Washing machine□	B
Ring type conveyer□	B□	METAL ROLLER MACHINE□	
Lifter□	B□	** Steel cutter□	C
Hoist□	B□	** Chain conveyer□	B
Crank-connecting conveyer□	B□	** Cold mill□	C
Lifter□	B□	Continuous casting equipments□	B
Worm conveyer□	B□	** Cold bed□	B
Steel-band conveyer□	B□	** Cropper□	C
Chain reed-type conveyer□	B□	** Cross steering transmitter□	B
Crab freighter□	B□	** Deruster□	C
HOIST□		** Heavy and medium steel mill□	C
Bracket swing gear assembly	B	** Bar mill	C

ADDENDUM



BAR TRANSMISSION EQUIPMENT□	B□	PUMPS□	
Bar pusher□	B□	Centrifugal pump (thin liquid)□	A
Push bed□	B□	Centrifugal pump (half liquid)□	B
** Shears□	C□	Displacement pump□	C
** Lumber elevator platform□	B□	Plunger pump□	C
ROLL ADJUSTING EQUIPMENTS□	B□	Force pump□	C
Roller leveling machine□	B□	PLASTIC EQUIPMENTS□	
** Mill rolling way (heavy)□	C□	** Glazing press□	B
** Mill rolling way (light)□	B□	** Ejecting press□	B
** Sheet rolling mill□	C□	** Spiral extruding machine□	B
** Trimming shears□	B□	** Mixing machine□	B
Pipe welder□	C□	RUBBER EQUIPMENT□	
Soldering machine (belt material and wire rod)□	B□	** Glazing press□	B
Wire drawbench□	B□	** Ejecting press□	C
METAL PROCESSING MACHINE TOOLS□		** Mixing stir machine□	C
Power shaft□	A□	Kneading machine□	C
** Forging machine□	C□	** Roller machine□	B
Drop hammer□	C□	STONE PORCELAIN CLAY PROSSEING □ EQUIPMENT□	
Machine tool and necessary□	A□		
Machine tool and main driving equipment□	B□	Ball crusher□	B
Metal facing mahcine□	C□	** Ejecting press and breaker□	C
Plate-leveling machine tool□	C□	Breaker□	C
Backing-out punch□	C□	Brick press□	C
Press machine tool□	C□	** Beating crusher□	C
Cutting machine□	B□	** Converter□	C
Sheet bending machine tool□	B□	** Cylinder mill□	C
PETROLEUM PROCESSING MACHINERY□		TEXTILE MACHINERY□	
** Pump of oil pipe line□	B□	Feeding machine□	B
Rotary drilling equipment□	C□	Loom machine□	B
PAPERING MACHINE□		Dyeing machine□	B
** Glazing press□	C□	Purified drum□	B
** Multilayer paper board machine□	C□	Welon Machine□	B
** Drying cylinder□	C□	WASTER TREATMENT EQUIPMENT□	
** Glazing cylinder□	C□	Air blast□	B
** Masher□	C□	Screw pump□	B
** Mashing and breaking machine□	C□	WOOD PROCESSING MACHINE TOOL□	
** Suction roll□	C□	Barker□	C
** Wet paper roller machine□	C□	Facing machine□	B
** Water absorbing roller machine□	C□	Saw bench□	C
Welon machine	C	Wood processing machine tool	A

Note: A - Uniform load; B - Moderate shock load; C - Heavy shock load; ** - for 24hour system.



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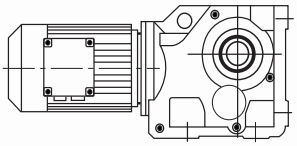
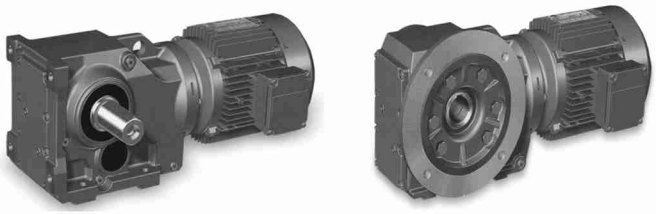


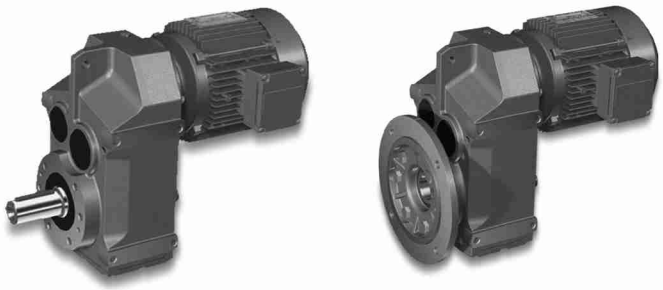
SHOW THE SERIES PRODUCTS

TR Series helical geared motors

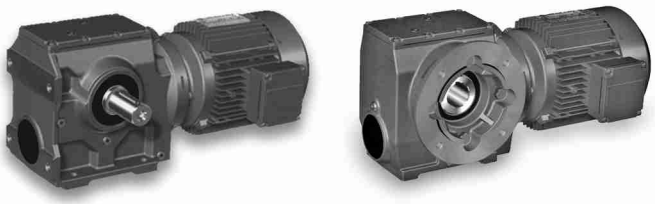
TK Series helical-bevel geared motors



TF Series parallel shaft helical geared motors



TS Series helical-worm geared motors



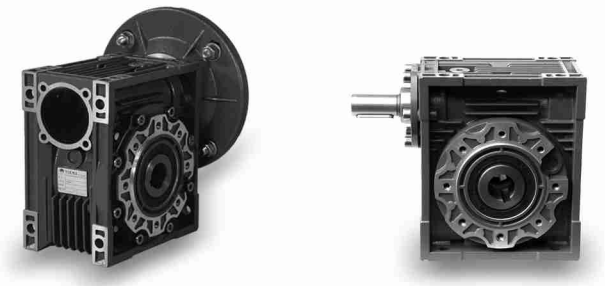
G3 Series mini helical geared motors

CHC Series mini helical gear units

TKB / TKM Series helical bevel geared motors

WP Series worm gear reducer

MRV Series worm, gear units



UDL Series stepless speed variator