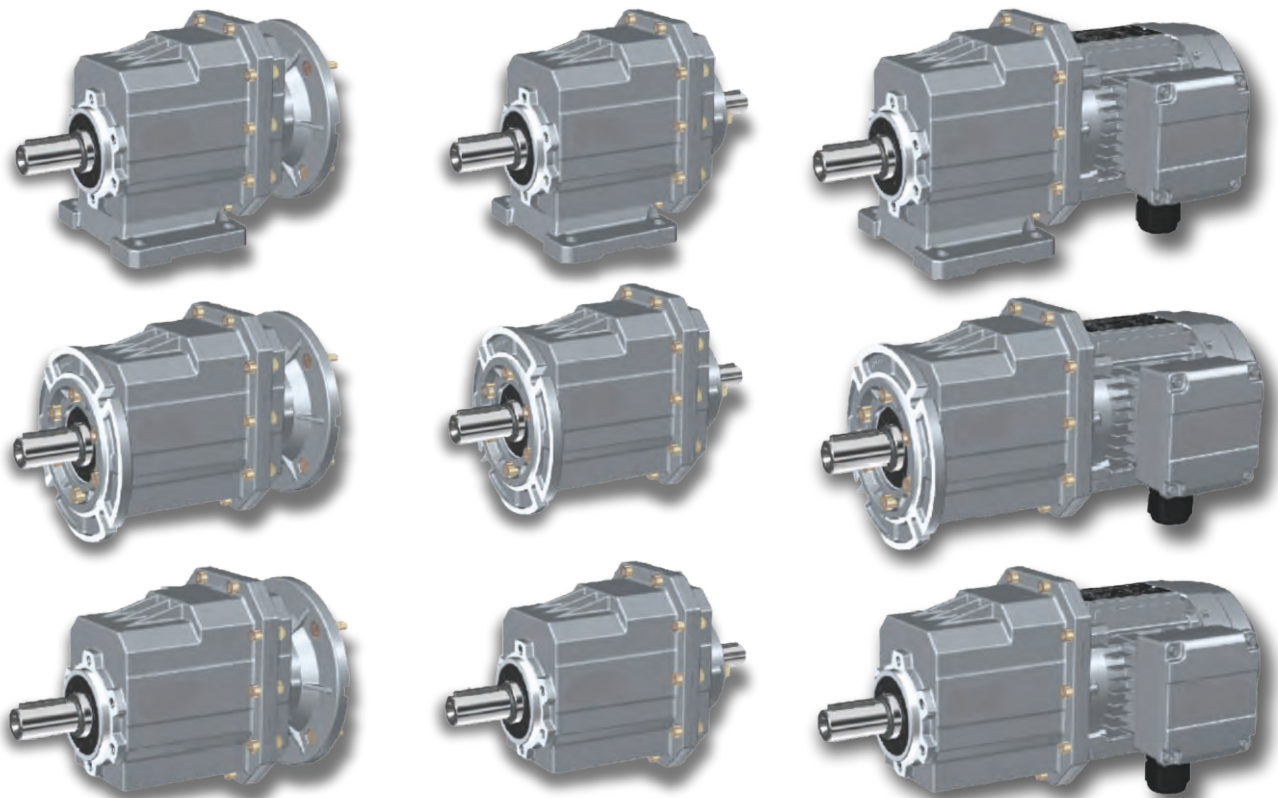


ATG Stirnradgetriebemotor Reihe KST modular

ATG helical gears
Series KST modular

Katalog/ Catalog

2023 / 2024



ATG Stirnradgetriebe KST/ ATG Helical gears KST

*modulare Stirnradgetriebe Serie für schnelle und kosteneffiziente Anpassung der Anbausituation. Geringe Lagerhaltung durch ein einzigartiges modulares System mit unterschiedlichen Flanschvarianten und Fußvarianten./ **Modular helical gear series for quick and cost-efficient adaptation of the mounting situation. Low stock levels thanks to a unique modular system with different flange variants and foot variants.**

*Standardmäßig mit IEC Motor Adapter, andere Anbaufansche wie Servomotor -oder Nema-Flansche auf Nachfrage lieferbar/ **Standard with IEC motor adapter, other mounting flanges such as Servomotor -or Nema-flanges available on request**

*Hoher Wirkungsgrad/ **High efficiency**

*Geringe Eigengeräusche und sehr ruhiger Lauf / **Low intrinsic noise and very smooth running**

*Platzsparendes und raffiniertes Design/ **Space effective and refined design**

*Getriebegehäuse in leichtbauweise aus hochwertigem Aluminiumdruckguss/ **Lightweight gearbox housing made of high-quality die-cast aluminium**

*Motoranbau erfolgt mittels IEC-Adapter B5 oder B14k (klein)/ **Motor is attached using IEC adapter B5 or B14k (small)**

*Lange Lebensdauer durch gehärtete Zahnräder/ **Hardened gears for a long service life**

* Automatisierte Produktion mit Jahresmengen bis zu 1,7 Millionen Einheiten /**Automated production with annual quantities of up to 1.7 million units**



*Anzahl der Getriebe Baugrößen/
Number of gear sizes

: 6

*Leistungsbereich/ **Power range**

: 0,12 – 11 kW

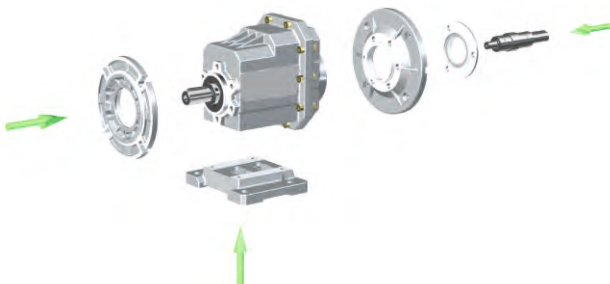
*Untersetzung i/ **Ratio i**

: 3,74 – 58,78

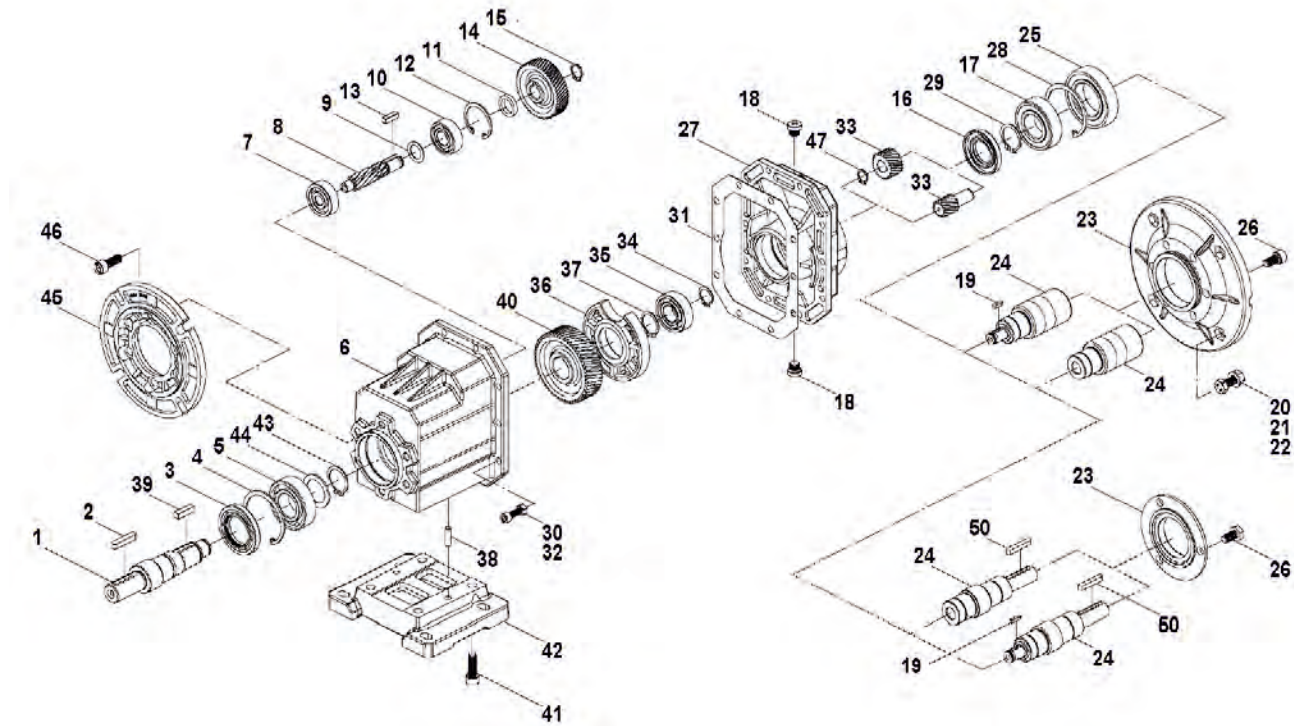
*Drehmomentbereich/ **Torque range**

: 3 – 1649 Nm

Modulares System/ Modular System:



Schnittbild/ Sectional view:



Stückliste/ Part list

No.	Bauteil	Part
1	Ausgangswelle	Output shaft
2	Passfeder	Key
3	Wellendichtring	Oil seal
4	Loch-Sicherungsring	Hole circlip
5	Kugellager	Bearing
6	Getriebegehäuse	Gear box
7	Kugellager	Bearing
8	Ritzelwelle	Pinion shaft
9	Sicherungsringe	Circlips retaining rings
10	Kugellager	Bearing
11	Distanzring	Spacer ring
12	Loch-Sicherungsring	Hole circlip
13	Passfeder	Key
14	Zahnrad	Gear
15	Wellensicherungsring	Shaft circlip
16	Wellendichtring	Oil seal
17	Kugellager	Bearing
18	Ölstopfen	Oil plug
19	Passfeder	Key
20	Sechskantschraube	Hex head bolt
21	Unterlegscheibe	Washer
22	Sechskantmutter	Hex nut
23	Eingangsflansch	Input flange
24	Eingangswelle	Input shaft

No.	Bauteil	Part
25	Kugellager	Bearing
26	Innensechskantschraube	Socket head cap screw
27	Eingangsabdeckung	Input cover
28	Loch-Sicherungsring	Hole circlip
29	Wellensicherungsring	Shaft circlip
30	Sechskantmutter	Hex nut
31	Gehäusedichtung	Housing gasket
32	Innensechskantschraube	Socket head cap screw
33	Ritzel	Pinion
34	Wellensicherungsring	Shaft circlip
35	Kugellager	Bearing
36	Stützsitz	Support seat
37	Wellensicherungsring	Shaft circlip
38	Zylindrischer Stift	Cylindrical pin
39	Passfeder	Key
40	Zahnrad	Gear
41	Innensechskantschraube	Socket head cap screw
42	Füße	Foot
43	Wellensicherungsring	Shaft circlip
44	Unterlegscheibe	Washer
45	Ausgangsflansch	Output flange
46	Innensechskantschrauben	Socket head cap screw
47	Wellensicherungsring	Shaft circlip
50	Passfeder	Key

relevante Parameter/ Relevant Parameter

Leistung/ Power P

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

$$P_{1n} \geq P_1 \cdot f_s \text{ [kW]}$$

P_1 = Eingangsleistung/ Input power

P_2 = Ausgangsleistung/ Output power

P_{1n} = Bemessungseingangsleistung des Motors/ Rated input motor power

f_s = Servicefaktor/ Service factor

η = Übertragungseffizienz/ Transmission efficiency

Das Stirnradgetriebe der KST-Serie ist 2-stufig und der Wirkungsgrad beträgt ca. 96%/ KST Series helical gear unit has 2 stage and the efficiency is about 96%

Drehzahl/ Rotation speed n

n_1 = Eingangsdrehzahl/ Gear unit input speed

n_2 = Ausgangsdrehzahl/ Gear unit output speed

Es wird eine Drehzahl von 1500 U/min oder niedriger empfohlen, um die Arbeitsbedingungen zu optimieren und die Lebensdauer zu verlängern. Eine höhere Eingangsdrehzahl ist zulässig, aber in dieser Situation wird das Nenndrehmoment M_2 reduziert./ If driven by the external gearing, 1500 r/min or lower rotation speed is suggested so as to optimize the working conditions and prolong the service live. Higher input rotation speed is permitted, but in this situation, the rated torque M_2 will be reduced .

Übersetzungsverhältnis/ Transmission ratio i

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

Drehmoment/ Torque M

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

$$M_{2n} \geq M_2 \cdot f_s \text{ [Nm]}$$

M_2 = Ausgangsdrehmoment/ Output torque

M_{2n} = Nennausgangsdrehmoment/ Rated output torque

P_1 = Eingangsleistung/ Input power

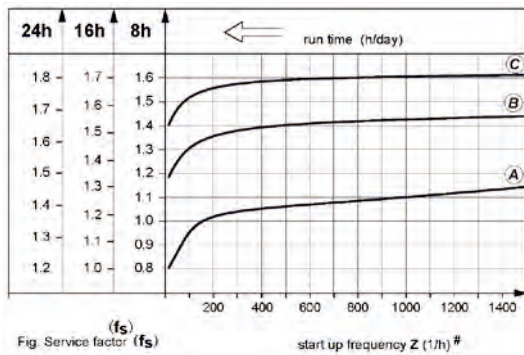
η = Übertragungseffizienz/ Transmission efficiency

f_s = Servicefaktor/ Service factor

Servicefaktor/ Service factor f_s

Mit dem Betriebsfaktor f_s wird die Wirkung der Arbeitsmaschine auf das Getriebe mit ausreichender Genauigkeit berücksichtigt. Der Betriebsfaktor wird anhand der täglichen Betriebszeit und der Anfahrhäufigkeit Z ermittelt. Abhängig vom Massenbeschleunigungsfaktor werden drei Belastungsklassen berücksichtigt. Den für Ihre Anwendung geltenden Betriebsfaktor können Sie in der folgenden Abbildung ablesen. Der anhand dieses Diagramms gewählte Betriebsfaktor muss kleiner oder gleich dem Betriebsfaktor sein, der in der Tabelle der Leistungsparameter angegeben ist./

The effect of the driven machine on the gear unit is taken into account to a sufficient level of accuracy using the service factor f_s . This 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.



Anfahrhäufigkeit Z : Die Zyklen umfassen alle Anfahr- und Bremsvorgänge sowie Umschaltungen von niedriger auf hohe Drehzahl.

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

Der Betriebsfaktor f_s sollte wie folgt angepasst werden/ Service factor f_s should be adjusted as follows:

- 1) Die Umgebungstemperatur beträgt $30\sim 40^\circ\text{C} = f_s \times (1.1\sim 1.2)$ / Ambient temperature is $30\sim 40^\circ\text{C} = f_s \times (1.1\sim 1.2)$
- 2) Die Umgebungstemperatur beträgt $40\sim 50^\circ\text{C} = f_s \times (1.3\sim 1.4)$ / Ambient temperature is $40\sim 50^\circ\text{C} = f_s \times (1.3\sim 1.4)$
- 3) Die Umgebungstemperatur beträgt $50\sim 60^\circ\text{C} = f_s \times (1.5\sim 1.6)$ / Ambient temperature is $50\sim 60^\circ\text{C} = f_s \times (1.5\sim 1.6)$
- 4) Umgebungstemperatur $>60^\circ\text{C}$, bitte rufen Sie unseren technischen Service an/ Ambient temperature $>60^\circ\text{C}$, please call our technical service

Um die Lebensdauer von Getrieben zu erhalten, muss der aus dem Katalog gewählte Nutzungsfaktor f_s gleich oder etwas höher sein als der berechnete Nutzungsfaktor f_s ./ To keep the service-life of gear units, the user factor f_s selected from the catalogue must be equal or slightly higher than the calculated use factor f_s .

Load classification

- A** Gleichmäßige Stoßbelastung, zulässiger Massenbeschleunigungsfaktor $\leq 0,2$ / Uniform shock load, permitted mass acceleration factor $\leq 0,2$
- B** Moderate Stoßbelastung, zulässiger Massenbeschleunigungsfaktor ≤ 3 / Moderate shock load, permitted mass acceleration factor ≤ 3
- C** Starke Stoßbelastung, zulässiger Massenbeschleunigungsfaktor ≤ 10 / Heavy shock load, permitted mass acceleration factor ≤ 10

Massenbeschleunigungsfaktor/ Mass acceleration factor

Der Massenbeschleunigungsfaktor wird wie folgt berechnet:/ The mass acceleration factor is calculated as follows:

$$f_a = \frac{J_c}{J_m}$$

f_a = Massenbeschleunigungsfaktor/ Mass acceleration factor

J_c = Alle externen Massenträgheitsmomente [kgm^2]/ All external mass moments of inertia [kgm^2]

J_m = Massenträgheitsmoment motorseitig [kgm^2]/ Mass moment of inertia on the motor end [kgm^2]

Bei Massenbeschleunigungsfaktoren $f_a > 10$ wenden Sie sich bitte an unseren technischen Service/ If mass acceleration factors $f_a > 10$, please call our technical service .

Um die Lebensdauer von Getrieben zu erhalten, muss der aus dem Katalog gewählte Servicefaktor f_s gleich oder geringfügig höher sein als der berechnete Servicefaktor f_s ./ To keep the service-life of gear units, the use service factor f_s selected from the catalogue must be equal or slightly higher than the calculated use service factor f_s .

Radiale Belastungen/ Radial loads Fr

Bei der Ermittlung der resultierenden Radiallasten muss die Art der am Wellenende montierten Übertragungselemente berücksichtigt werden. Verschiedene Übertragungsglieder entsprechen folgendem Übertragungsgliederfaktor fz: /

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 factor fz:

Übertragungselement / Transmission element	Übertragungselementfaktor Fz/ Transmission element factor Fz	Bemerkungen / Comments
Zahnrad/ Gears	1.00	≥17 Zähne/ teeth
	1.15	<17 Zähne/ teeth
Kettenräder/ Chain sprockets	1.00	≥20 Zähne/ teeth
	1.25	<20 Zähne/ teeth
	1.40	<13 Zähne/ teeth
Schmale Keilriemenscheiben/ Narrow V-belt pulleys	1.75	Einfluss der Zugkraft/ Influence of the tensile force
Flachriemenscheiben/ Flat belt pulleys	2.50	Einfluss der Zugkraft/ Influence of the tensile force
Zahnriemenscheiben/ Toothed belt pulleys	2.50	Einfluss der Zugkraft/ Influence of the tensile force

Die auf die Motor -bzw. Getriebewelle ausgeübten Querkräfte berechnen sich dann wie folgt: /

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

$$F_r = \frac{M \cdot 2000 \cdot f_z}{d_0} \text{ [N]}$$

Fr = Resultierende radiale Belastung [N]/ Resulting radial load [N]

M = Drehmoment an der Welle [Nm]/ Torque on the shaft [Nm]

d0 = Mittlerer Durchmesser des montierten Übertragungselements in [mm]/ Mean diameter of the mounted transmission element in [mm]

fz = Übertragungselementfaktor/ Transmission element factor

Die zulässige radiale Belastungskraft auf der Welle wird mit folgender Formel berechnet/ The allowed radial load force on the shaft is calculated with the following formula:

$$F_{xL} \leq \frac{Fr_2 \cdot a}{(b+x)} \text{ [N]}$$

Fr2= Zulässige Querkraft (x= L/2) für Fußgetriebe gemäß Auswahltabellen in [N]/ Permitted overhung load (x= L/2) for foot-mounted gear units according to the selection tables in [N]

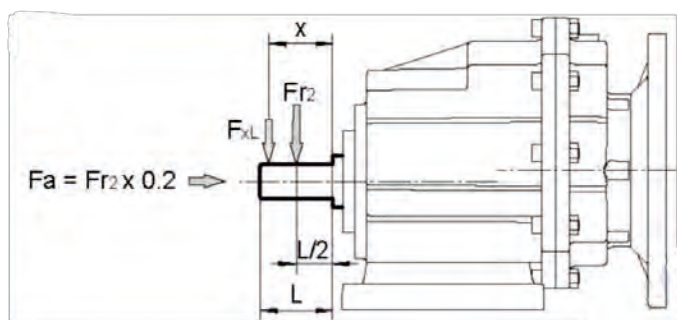
a, b= Getriebekonstante für die Umrechnung der fliegenden Last [mm]/ Gear unit constant for overhung load conversion [mm]

x Abstand vom Wellenbund zum Kraftangriffspunkt in [mm]. Die Werte von a, b, Fr2 sind in den folgenden Tabellen angegeben:

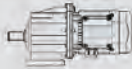


x Distance from the shaft shoulder to the force application point in [mm]. The values of a, b, Fr2 are given in the following tables:

	KSTo1	KSTo2	KSTo3	KSTo4	KSTo5	KSTo6
a	103	116,5	130	147	174	217
b	83	91,5	100	112	134	167

Abtriebswellen Radiallasten & Axiallasten Fr2, Fa/ Output shafts radial loads & axial loads Fr2, Fa



Anmerkungen zu den Auswahltabellen/ [Selection Tables Comments](#)

P_{1n} [kW]	n_2 [r/min]	M_{2n} [Nm]	i	F_{r2} [N]	f_s		Page			Page
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P_{1n} = Nennleistung Antriebsmotor/ [Rated power driving motor \[kw\]](#)

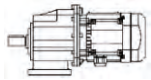
n_2 = Abtriebsdrehzahl [U/min]/ [Output speed \[r/min\]](#)

M_{2n} = Nenn-Abtriebsdrehmoment [Nm]/ [Rated output torque \[Nm\]](#)

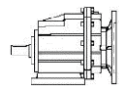
M_{2max} =Zulässiges Abtriebsdrehmoment [Nm]/ [Permissible output torque \[Nm\]](#)

i = Getriebeübersetzung/ [Gear unit ratio](#)

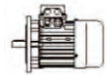
f_s = Servicefaktor/ [Service factor](#)



= Getriebemotor Type/ [Geared motor type](#)



= Getriebeeinheit Type/ [Gear unit type](#)



= Motortype/ [Motor type](#)

Page = Maßblatt Seite Nr. / [Dimension sheet page no.](#)

* = Endliches Untersetzungsverhältnis des Getriebes / [Finite gear unit reduction ratio](#)

Bei der Bestellung sollten Sie angeben, ob die Reduzierstücke mit Motoren ausgestattet sind, andernfalls werden die Reduzierstücke nicht mit Motoren geliefert./ [When ordering, you should show whether the reducers are equipped with motors, otherwise reducers aren't supplied with motors.](#)

Beispiel/ [Example](#): KSTo1Bo1-28.50-M1-MX71D4

KSTZ03-HS-6.31

KSTFo2III-P8oB14-8.78-M1-8o24-R-S/E

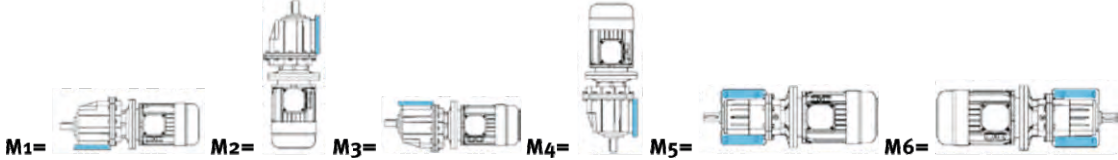
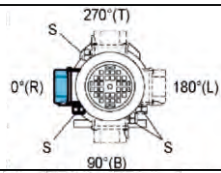
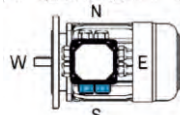
Typenschlüssel/ Model Illuminate

Getriebemotor/ Geared motor

KST F 02 II - 28.88 - M6 - MX71D4 - BMG - R - S
 ① ② ③ ④ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪

Getriebeeinheit für IEC Motor Anbau/ Gear unit for IEC motor attachment

KST F 02 II - P71B5 - 28.88 - M6 - 0.37-4 - R - S
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑩ ⑪

No	Beschreibung/ Description																																																																																																				
1	KST = Krauter Stirnradgetriebe modular / Krauter helical gear modular																																																																																																				
2	1. _ : Kein Code bedeutet fußmontiert/ No code means foot-mounted 2. E : B5 Ausgangsflansch montiert/ B5 output flange mounted 3. Z : B14 Ausgangsflansch montiert/ B14 output flange mounted																																																																																																				
3	Getriebegröße mit Ausgangswelle/ Gear size with output shaft 01=Ø20mm Welle/ Shaft 03= Ø30mm Welle/ Shaft 05= Ø40mm Welle/ Shaft 02= Ø25mm Welle/ Shaft 04= Ø35mm Welle/ Shaft 06= Ø50mm Welle/ Shaft																																																																																																				
4	Ausgangsbefestigung in mm bei Getriebegröße/ Output fastening in mm at gear size <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Fuß/ Foot</th> <th>V</th> <th>V1</th> <th>V2 - V3</th> <th colspan="6">Ausgangsflansch bei Getriebegröße/ Output flange at gear size</th> </tr> </thead> <tbody> <tr> <td>01/02: B01</td> <td>= 87</td> <td>50</td> <td>110</td> <td>I</td> <td>= 01: Ø120</td> <td>02: Ø140</td> <td>03/04: Ø160</td> <td>05: Ø250</td> <td>06: Ø300</td> </tr> <tr> <td>01/02: M01</td> <td>= 80</td> <td>-</td> <td>110 - 120</td> <td>II</td> <td>= 01: Ø140</td> <td>02: Ø160</td> <td>03/04: Ø200</td> <td>05: Ø300</td> <td>06: Ø350</td> </tr> <tr> <td>01/02: B02</td> <td>= 107,5</td> <td>60</td> <td>130</td> <td>III</td> <td>= 01: Ø160</td> <td>02: Ø200</td> <td>03/04: Ø250</td> <td colspan="2"></td> </tr> <tr> <td>01/02: M02</td> <td>= 85</td> <td>-</td> <td>110 - 120</td> <td colspan="6"></td> </tr> <tr> <td>03/04: B03</td> <td>= 130</td> <td>70</td> <td>160</td> <td>Fuß/ Foot</td> <td>V</td> <td>V2</td> <td colspan="3"></td> </tr> <tr> <td>03/04: M03</td> <td>= 100</td> <td>-</td> <td>135 - 150</td> <td>05: B0501</td> <td>= 156</td> <td>225</td> <td colspan="3"></td> </tr> <tr> <td>03/04: B04</td> <td>= 130</td> <td>-</td> <td>170</td> <td>05: R0502</td> <td>= 205</td> <td>170</td> <td colspan="3"></td> </tr> <tr> <td>03/04: M04</td> <td>= 110</td> <td>-</td> <td>170 - 185</td> <td>06: B0601</td> <td>= 180</td> <td>250</td> <td colspan="3"></td> </tr> <tr> <td>03/04/05: B05</td> <td>= 149,5</td> <td>-</td> <td>180</td> <td>06: R0602</td> <td>= 260</td> <td>215</td> <td colspan="3"></td> </tr> </tbody> </table>	Fuß/ Foot	V	V1	V2 - V3	Ausgangsflansch bei Getriebegröße/ Output flange at gear size						01/02: B01	= 87	50	110	I	= 01: Ø120	02: Ø140	03/04: Ø160	05: Ø250	06: Ø300	01/02: M01	= 80	-	110 - 120	II	= 01: Ø140	02: Ø160	03/04: Ø200	05: Ø300	06: Ø350	01/02: B02	= 107,5	60	130	III	= 01: Ø160	02: Ø200	03/04: Ø250			01/02: M02	= 85	-	110 - 120							03/04: B03	= 130	70	160	Fuß/ Foot	V	V2				03/04: M03	= 100	-	135 - 150	05: B0501	= 156	225				03/04: B04	= 130	-	170	05: R0502	= 205	170				03/04: M04	= 110	-	170 - 185	06: B0601	= 180	250				03/04/05: B05	= 149,5	-	180	06: R0602	= 260	215			
Fuß/ Foot	V	V1	V2 - V3	Ausgangsflansch bei Getriebegröße/ Output flange at gear size																																																																																																	
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03/04/05: B05	= 149,5	-	180	06: R0602	= 260	215																																																																																															
5	1. IEC Eingangsfansch/ IEC input flange 2. HS/ AD Eingangsvollwelle bei Getriebegröße/ input solid shaft at gear size 01: HS = Ø16mm 03: HS = Ø19mm 05: AD2 = Ø19mm 05: AD3 = Ø24mm 05: AD4 = Ø38mm 02: HS = Ø19mm 04: HS = Ø24mm 06: AD2 = Ø19mm 06: AD3 = Ø28mm 06: AD4 = Ø38mm																																																																																																				
6	i= Übersetzungsverhältnis des Getriebes/ i= Transmission ratio of gear unit																																																																																																				
7	Einbaulage/ Mounting position 																																																																																																				
8	1. Keine Markierung bedeutet ohne Motor / No marks means without motor 2. Motortype: P/TAM =IEC Motor: Leistung - Polzahl/ power - number of poles MX = Sondermotor/ special Motor																																																																																																				
9	1. _ : Kein Code bedeutet ohne Bremse/ no code means without brake 2. BMG : Bremse/ brake																																																																																																				
10	Position des Klemmenkastens/ Position of Terminal box  <p>R (0°)= Standard</p>																																																																																																				
11	Position der Kabelverschraubung/ Position of the cable gland  <p>S= Standard</p>																																																																																																				

Auswahlbeispiel/ Selection Example

Getriebeeinheiten/ Gear units

Beispiel: Das erforderliche Drehmoment an der angetriebenen Maschine beträgt 400 Nm, arbeitet 6 Stunden pro Tag, gleichmäßige Stoßbelastung, Anlaufhäufigkeit beträgt 400 Mal pro Stunde, ø200 mm Abtriebsflansch, n₂=30 U/min
Example: The required torque on driven machine is 400 Nm, works for 6 hours per day, Uniform shock load, start-up frequency is 400 times per hour, ø200 mm output flange mounted, n₂= 30 r/min.

Siehe Tabellen/ See tables, f_s= 1.05

$$M_{2n} \geq M_2 \cdot f_s = 400 \times 1.05 = 420[\text{Nm}]$$

$$i = \frac{n_1}{n_2} = \frac{1400}{30} = 46.67$$

Wähle Type/ Choose Type: KSTFo4II-P90B5-44.18

Getriebemotor/ Gear motor

Beispiel: Erforderliche Leistung an angetriebener Maschine 1kW, Betrieb 8 Stunden pro Tag, mäßige Stoßbelastung, Dauerlauf, M6-Fuß montiert, n₂= 95 U/min
Example: The required power on driven machine 1kW, works for 8 hours per day, moderate shock load, start up continuously, M6 foot mounted, n₂= 95 r/min

Siehe Tabellen/ See tables, f_s=1.35

$$i = \frac{n_1}{n_2} = \frac{1400}{95} = 14.74$$

$$P_{1n} \geq P_1 \cdot f_s = \frac{P_2}{\eta} \cdot f_s = \frac{1}{0.96} \times 1.35 = 1.41[\text{kW}]$$

Wähle Type/ Choose Type :KSTo2Bo1-P90B5-14.81-M6-1.5-4-R-S

Allgemeine Information/ General information

Sofern keine Sonderregelung getroffen wird, liefert KRAUTER die Antriebe mit einer getriebe -und baufomspezifischen Schmierstofffüllung. Ausschlaggebend ist die bei der Bestellung des Antriebs angegebene Einbaulage (M1 ... M6, -> Kap. „Einbaulagen und wichtige Bestellhinweise“). Bei nachträglicher Änderung der Einbaulage müssen Sie die Schmierstoff-Füllung anpassen (-> Schmierstoff-Füllmengen)./ Unless a special arrangement is made, KRAUTER supplies the drives with a lubricant fill adapted for the specific gear unit and mounting position. The decisive factor is the mounting position (M1 ... M6, -> Sec. “Mounting Positions and Important Order Information”) specified when ordering the drive. You must adapt the lubricant fill in case of any subsequent changes made to the mounting position (-> Lubricant fill quantities).

Wälzlagerfette/ Anti-friction bearing greases






Die Schmierstofftabelle auf der folgenden Seite zeigt die zulässigen Schmierstoffe für KRAUTER-Getriebe. Bitte beachten Sie folgende Legende zur Schmierstofftabelle:/ The lubricant table on the following page shows the permitted lubricants for KRAUTER gear units. Please note the following key to the lubricant table:

	Umgebungstemperatur Ambient temperature	Marke Brand	Modell Model	Ölart Type of Oil
Getriebe Kugellager Getriebe Ball Bearings	-20°C ~ +60°C	Mobil	Mobilux EP 2	Mineralöl / Mineral Oil
	-40°C ~ +80°C	Mobil	Mobiltemp SHC 100	Synthetisches Öl / Synthetic Oil
Motor Kugellager Motor Ball Bearings	-20°C ~ +80°C	Esso	Unirex EQ3	Mineralöl / Mineral Oil
	-20°C ~ +60°C	Shell	Alvania RL3	Mineralöl / Mineral Oil
	-45°C ~ +60°C	Shell	Aero Shell Grease 16	Synthetisches Öl / Synthetic Oil

Folgende Fettmengen werden benötigt/ The following grease quantities are required:

- Bei schnelllaufenden Lagern (Motor -und Getriebeantriebsseite): Die Hohlräume zwischen den Wälzkörpern zu einem Drittel mit Fett füllen./ For fast-running bearings (motor and gear unit input end): Fill the cavities between the rolling elements one third full with grease.
- Bei langsam laufenden Lagern (in Getrieben und am Getriebeabtrieb): Hohlräume zwischen den Wälzkörpern zu zwei Dritteln mit Fett füllen./ For slow-running bearings (in gear units and at gear unit output end): Fill the cavities between the rolling elements two thirds full with grease.

Arten der Schmierung/ Types of lubrication

	 °C -50 0 +50 +100	 ISO	 SHELL	 MOBIL	 BP	Art der Schmierung Lubrication type
KST	-10 to +40°C	VG220	Shell Omala 220	Mobilgear 630	BP Energol GR-XP 220	Mineralöl Mineral oil
	-20 to +25°C	VG150 VG100	Shell Omala 100	Mobilgear 627	BP Energol GR-XP 100	
	-30 to +10°C	VG68-46 VG32	Shell Tellus T32	Mobil D.T.E. 13M		
	-40 to -20°C	VG22 VG15	Shell Tellus T15	Mobil D.T.E. 11M	BP Energol HLP-HM 15	Synthetisches Öl Synthetic oil
	-40 to +80°C	VG220	Shell Omala HD 220	Mobil SHC 630		
	-40 to +40°C	VG150	Shell Omala HD 150	Mobil SHC 629		
	-40 to +10°C	VG32		Mobil SHC 624		

Schmierstoff-Füllmenge/ Lubricant fill quantity

Getriebegröße Gear unit	Füllmenge in Liter (L) bei Einbaulage / Fill quantity in liters (L) at installation position					
	M1	M2	M3	M4	M5	M6
KST 01	0.4	0.6	0.4	0.3	0.3	0.3
KST 02	0.5	0.7	0.5	0.4	0.4	0.4
KST 03	0.8	1.1	0.8	0.6	0.6	0.6
KST 04	1.2	1.6	1.0	1.0	0.9	0.9
KST 05	2.4	3.0	2.0	2.0	1.5	1.5
KST 06	4.6	5.5	4.0	4.0	3.0	3.0

Auf die Füllmenge in der Tabelle wird Bezug genommen, der genaue Wert ergibt sich aus dem Verhältnis. Alle Stirnradgetriebe der Baureihe KST sind vor der Auslieferung mit der Lebensdauerschmierung gefüllt und müssen in der Regel nicht gewechselt werden./ The fill quantity in the table is referenced, the exact value relating to the ratio. All KST series helical gear units are filled with the life lubrication before delivery, do not need to change it in general.

Vorbereitung vor der Installation/ Preparation before the installation

1. Prüfen Sie, ob die Daten auf den Typenschildern des Getriebemotors mit dem Spannungsnetz übereinstimmen./ Check if the data on the nameplates of the gearmotor matches the voltage supply system.
2. Bei Standardgetrieben muss die Umgebungstemperatur der entsprechenden Schmierstofftabelle entsprechen./ For standard gear unit, the ambient temperature must be in accordance with the corresponding lubricant table.
3. Der Antrieb darf nicht unter Bedingungen wie Öl, Gas, Dämpfe, Säuren, Strahlung usw. montiert werden./ The drive must not be assembled in conditions such as oil, gas, vapors, acids, radiation and so on.
4. Abtriebswelle und Flanschflächen müssen gründlich gereinigt werden, um sicherzustellen, dass sie frei von Korrosionsschutzmitteln, Verunreinigungen oder ähnlichem sind. Verwenden Sie ein handelsübliches Lösungsmittel. Lösungsmittel nicht mit der Dichtlippe der Wellendichtringe in Berührung bringen, da sonst das Material beschädigt wird!/ Output shaft and flange surfaces must thoroughly cleaned to ensure they are free of anticorrosion 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!
5. Die Tragkonstruktion muss folgende Eigenschaften aufweisen: eben, schwingungsdämpfend und verwindungssteif./The supporting structure must have the following characteristics: level, vibration damping and torsionally rigid.

Montage der Getriebe/ The installation of the gear units

1. Ziehen Sie die Gehäusefüße und Befestigungsflansche nicht gegeneinander und achten Sie auf die Einhaltung der zulässigen Radial- und Axiallast./ 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.
2. Treiben Sie Riemenscheiben, Kupplungen, Ritzel usw. niemals durch Schläge mit einem Hammer auf das Wellenende. Dadurch werden Lager, Gehäuse und Welle beschädigt./ 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.
3. Prüfen Sie vor der Inbetriebnahme, ob der Ölstand der Einbaulage entspricht. Wenn die Ölkontroll- und Ablassschraube und die Entlüftungsventile frei zugänglich sind./ 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.

Problem/ Problem	Mögliche Ursache/ Possible cause	Abhilfe/ Remedy
<p>Ungewöhnliches, regelmäßiges Laufgeräusch Unusual, regular running noise</p>	<p>A. Kratzendes/schleifendes Geräusch: Lagerschaden Meshing/ grinding noise: Bearing damage</p> <p>B. Klopfgeräusch: Unregelmäßigkeit in der Verzahnung Knocking noise: Irregularity in the gearing</p>	<p>A. Öl prüfen, Lager wechseln Check the oil, change bearings</p> <p>B. Wenden Sie sich an den Kundendienst Contact customer service</p>
<p>Ungewöhnliches, unregelmäßiges Laufgeräusch Unusual, irregular running noise</p>	<p>Fremdkörper im Öl Foreign bodies in the oil</p>	<ul style="list-style-type: none"> Überprüfen Sie das Öl Check the oil Antrieb stoppen, Kundendienst kontaktieren Stop the drive, contact customer service
<p>Ölaustritt/ Oil leaking ¹⁾</p> <ul style="list-style-type: none"> Von der Getriebeabdeckplatte From the gear cover plate Vom Motorflansch From the motor flange Von der Motoröldichtung From the motor oil seal Vom Getriebeflansch From the gear unit flange Von der ausgangsseitigen Öldichtung From the output end oil seal 	<p>A. Gummidichtung an der Getriebeabdeckplatte undicht Rubber seal on the gear cover plate leaking</p> <p>B. Dichtung defekt Seal defective</p> <p>C. Getriebe nicht entlüftet Gear unit not vented</p>	<p>A. Ziehen Sie die Schrauben an der Getriebeabdeckplatte fest und beobachten Sie das Getriebe. Es tritt immer noch Öl aus: Wenden Sie sich an den Kundendienst Tighten the bolts on the gear cover plate and observe the gear unit. Oil still leaking: contact customer service</p> <p>B. Kundendienst kontaktieren Contact customer service</p> <p>C. Getriebe entlüften (siehe „Einbaulagen“) Vent the gear unit (see “Mounting positions”)</p>
<p>Öl tritt aus dem Bremsventil aus/ Oil leaking from breaking valve</p>	<p>A. Zu viel Öl/ Too much oil</p> <p>B. Antrieb in falscher Einbaulage betrieben Drive operated in incorrect mounting position</p> <p>C. Häufige Kaltstarts (Öl schäumt) und/oder hoher Ölstand Frequent cold starts (oil foams) and/ or high oillevel</p>	<p>A. Korrigieren Sie den Ölstand (siehe „Inspektion und Wartung“) Correct the oil level (see Sec. “Inspection and Maintenance”)</p> <p>B. Entlüftungsventil richtig montieren (siehe Kapitel „Einbaulagen“) und Ölstand korrigieren (siehe „Schmierstoffe“) Mount the breather valve correctly (see Sec. “Mounting Positions”) and correct the oil level (see “Lubricants”)</p>
<p>Abtriebswelle dreht sich nicht, obwohl der Motor läuft oder die Antriebswelle gedreht wird Output shaft does not turn although the motor is running or the input shaft is rotated</p>	<p>Verbindung zwischen Welle und Nabe im Getriebe unterbrochen Connection between shaft and hub in gear unit interrupted</p>	<p>Getriebe/Getriebemotor zur Reparatur einsenden Send in the gear unit/ gear motor for repair</p>

1) Kurzzeitiger Öl-/Fettaustritt am Wellendichtring in der Einlaufphase (24 Stunden Laufzeit) möglich.
Short-term oil/ grease leakage at the oil seal is possible in the run-in phase (24 hours running time)

Ladekennliniendiagramm (als Referenz)/ Charge characteristic chart (for Reference)

Luftgebläse Air Blowers	Maschinen für die Lebensmittelverarbeitung Foodstuff processing machinery		
Luftgebläse (axial oder radial) / Air blower (axial or radial)	A	Placer oder Kastenfüller/ Placer or box filler	A
Lüfter des Kühlturms/ Fan of cooling tower	B	Rohrzerkleinerer/ Cane crusher	A
Saugzuggebläse/ Induced draught fan	B	**Stangenschneider/ **Cane cutter	B
Drehkolbengebläse/ Rotary piston type fan	B	** Rohrbrecher/ **Cane crasher	C
Turbo-Lüfter/ Turbo-fan	A	Mischer/ Mixer	B
Baumaschine/ Construction machinery	Eimer für Paste/ Paste bucket		B
Betonmischer/ Concrete mixer	B	Verpacker /Packager	A
Hebezeug/ Hoist	B	Rübenschneider/ Beet slicer	B
Straßenbaumaschinen/ Road building machinery	B	Rübenwaschmaschine/ Beet washing machine	B
Bohrwerk/ Boring mill	B	Motor -und Umwandlungsanlagen Motor and conversion equipments	
Chemische Maschinen/ Chemical machinery			
Mischer (flüssig)/ Mixer (liquid)	A	Frequenzumrichter/ Frequency converter	C
Mischer (halb flüssig)/ Mixer (half liquid)	B	Motor/ Motor	C
Zentrifuge (schwer)/ Centrifuge (heavy)	B	Motor zum Schweißen/ Welding motor	C
Zentrifuge (leicht)/ Centrifuge (light)	A	Waschmaschine/ Washing machine	
**Kühlwalzentrommel/ **Cooling rolling drum	B	Rollende Trommel/ Rolling drum	B
**Trockenrollende Trommel/ **Dry rolling drum	B	Waschmaschine/ Washing machine	B
Mischer/ Mixer	B	Metallwalzenmaschine/ Metal roller machine	
Kompressor/ Compressor	**Stahlschneider/ **Steel cutter		C
Kolbenkompressor/ Piston type compressor	C	**Kettenförderer/ **Chain conveyer	B
Turbokompressor/ Turbo-compressor	B	**Kalte Mühle/ **Cold mill	C
Übertragungsfrachter/ Transmission freighter	Stranggussanlagen/ Continuous casting equipments		
Pfannenförderer/ Pan conveyer	B	**Kaltes Bett/ **Cold bed	B
Gleichgewichtslifter/ Balance lifter	B	**Schneidegerät/ **Cropper	C
Trogförderer/ Trough conveyer	B	**Querlenker-Sender/ **Cross steering transmitter	B
Bänderförderer (großes Stück)/ Ribbon conveyer (large piece)	C	**Entferner/ **Deruster	C
Bänderförderer (kleines Stück)/ Ribbon conveyer (small piece)	B	**Schwere und mittlere Stahlwerke	C
Trommelförderer für Mehl/ Drum-type flour conveyer	A	**Heavy and medium steel mill	C
Kettenförderer/ Chain conveyer	B	**Bar Mühle/ **Bar mill	C
Ringförmiges Förderband/ Ring type conveyer	B	Stangenübertragungsanlagen Bar transmission equipments	
Heber / Lifter	B		
Hebezeug/ Hoist	B	Stangenschieber/ Bar pusher	B
Kurbel-Verbindungsförderer/ Crank-connecting conveyer	B	Schiebebett/ Push bed	B
Aufzug/ Lifter	B	**Scheren/ **Shears	C
Schneckenförderer/ Worm conveyer	B	**Holzaufzugsplattform	
Reed-Kettenförderer/ Chain reed-type conveyer	B	**Lumber elevator platform	B
Krabbenfrachter/ Crab freighter	B	Walzeneinstellgeräte/ Roll adjusting equipments	
Hebezeug/ Hoist	Walzenrichtmaschine/ Roller leveling machine		B
Halterung für Schwenkgetriebe/ Bracket swing gear assembly	B	**Mühlenwalzweg (schwer)	C
Baugruppe Hebezeuggetriebe/ Hoist gear assembly	A	**Mill rolling way (heavy)	
Baugruppe Derrickgetriebe/ Derrick gear assembly	B	**Mühlenwalzweg (schwer)	B
Baugruppe Lenkgetriebe/ Steering gear assembly	B	**Mill rolling way (heavy)	
Baugruppe Fahrwerk/ Moving gear assembly	C	**Blechwalzwerk/ **Sheet rolling Mill	C
Landbagger/ Land dredger	**Besäumschere/ **Trimming shears		
Trommelsauger/ Drum-type coveyer	C	Rohrschweißer/ Pipe welder	C
Trommel-Rotationsrad/ Drum-type rotation wheel	C	Lötmaschine (Bandmaterial und Walzdraht)	B
Baggerkopf/ Dredger head	C	Soldering machine (belt material and wire rod)	
Angetriebene Krabbe/ Powered crab	B	Drahtzugbank/ Wire drawbench	B
Pumpe/ Pump	B	Werkzeugmaschinen für die Metallverarbeitung Metal processing machine tools	
Pumpen-Drehwerk-Baugruppe/ Pump turning gear assembly	B		
Fahrwerk (Lauftrad)/ Moving gear assembly (apron wheel)	C	Antriebswelle/ Power shaft	A
Fahrwerk (Schiene)/ Moving gear assembly (track)	B	**Schmiedemaschine/ **Forgingmachine	C

Werkzeugmaschinen für die Metallverarbeitung Metal processing machine tools		Gummanlagen/ Rubber equipment	
		**Verglasungspresse/ **Glazing press	B
Fallhammer/ Drop hammer	C	**Auswurfspresse/ **Ejecting press	C
Werkzeugmaschine/ Machine tool	A	**Rührmaschine/ **Mixing stir machine	B
Werkzeugmaschine und Hauptantriebsvorrichtung Machine tool and main driving equipment	B	Knetmaschine/ Kneading machine	B
		**Walzenmaschine/ **Roller machine	C
Metallbearbeitungsmaschine/ Metal facing machine	C	Anlagen zur Verarbeitung von Steinporzellan Stone porcelain clay processing equipments	
Werkzeugmaschine zum Richten von Platten Plate-leveling machine tool	C	Kugelzerkleinerer/ Ball crusher	B
Ausziehstempel/ Backing-out punch	C	**Auswurfspresse und Brecher	C
Werkzeugmaschine für Pressen/ Press machine tool	C	**Ejecting press and breaker	C
Schneidemaschine/ Cutting machine	B	Brecher/ Breaker	C
Werkzeugmaschine zum Biegen von Blechen Sheet bending machine tool	B	Ziegelsteinpresse/ Brick press	C
		**Schlagende Brecher/ **Beating crusher	C
Erdölverarbeitungsanlagen/ Petroleum processing machinery		**Konverter/ **Converter	C
**Pumpe der Ölleitung/ **Pump of oil pipe line	B	**Zylindermühle/ **Cylinder mill	C
Drehbohrgeräte/ Rotary drilling equipment	C	Textilmaschine/ Textile machine	
Papiermaschine/ Papery machine		Zuführungsmaschine/ Feeding machine	B
**Glasierpresse/ **Glazing press	C	Webmaschine/ Loom machine	B
**Mehrlagen-Pappmaschine **Multilayer paper board machine	C	Färbemaschine/ Dyeing machine	B
		Gereinigte Trommel/ Purified drum	B
**Trockenzylinder/ **Drying cylinder	C	Welon-Maschine/ Welon machine	B
**Glaszylinder/ **Glazing cylinder	C	Anlagen für die Abfallbehandlung Waster treatment equipments	
**Stampfer/ **Masher	C	**Luftgebläse/ **Air blast	B
**Misch- und Brechmaschine **Mashing and breaking machine	C	Schneckenpumpe/ Screw pump	B
**Saugrolle/ **Suction roll	C	Werkzeugmaschine für die Holzbearbeitung Wood processing machine tool	
**Nasspapierwalzenmaschine/ **Wet paper roller machine	C	Rindeschälmaschine/ Barker machine	C
**Wasserabsorbierende Walzenmaschine **Water absorbing roller machine	C	Abrichtmaschine/ Facing machine	B
Welon-Maschine/ Welon machine	C	Sägebank/ Saw bench	C
Pumpen/ Pumps		Werkzeugmaschine für die Holzbearbeitung Wood processing machine tool	
Kreiselpumpe (dünne Flüssigkeit) Centrifugal pump (thin liquid)	A		A
Kreiselpumpe (halbflüssig)/ Centrifugal pump (half liquid)	B		
Verdrängerpumpe/ Displacement pump	C		
Kolbenpumpe/ Plunger pump	C		
Druckpumpe/ Force pump	C		
Kunststoffanlagen/ Plastic Equipments			
**Verglasungspresse/ **Glazing press	B		
**Auswurfspresse/ **Ejecting press	B		
**Spiralstrangpressmaschine/ **Spiral extruding machine	B		
**Mischmaschine/ **Mixing machine	B		

- A- Gleichmäßige Belastung/ **Uniform load**
B- Mäßige Stoßbelastung/ **Moderate shock load**
C- Starke Stoßbelastung/ **Heavy shock load**

** für 24 Stunden System/ ****for 24hours system**

Auswahltabellen für Getriebe/ Gear unit selection tables

Mögliche geometrische Kombinationen/ Possible geometrical combinations

KSTo1

$n_1 = 1400$ r/min

Abtriebswelle/ Output shaft: 20 mm

120 Nm

n_2 [r/min]	$M_{2,max}$ [Nm]	F_{r2} [N]	i	MX63 63B5	MX71 71B5/B14	MX80 80B5/B14	MX90 90B5/B14
26	120	2600	53.33				
31	120	2600	45.89				
35	120	2600	40.10				
39	120	2560	35.47				
49	120	2380	28.50				
59	120	2230	23.56				
71	120	2100	19.83				
78	90	2030	17.86				
96	120	1900	14.62				
101	90	1860	13.80*				
118	120	1770	11.90				
143	120	1660	9.81				
153	80	1630	9.17				
181	80	1540	7.72				
246	70	1390	5.69				
302	70	1290	4.63				
366	70	1210	3.82				

* = Endliches Untersetzungsverhältnis des Getriebes / * = Finite gear unit reduction ratio

KSTo2

$n_1 = 1400$ r/min

Abtriebswelle/ Output shaft: 25 mm

200 Nm

n_2 [r/min]	$M_{2,max}$ [Nm]	F_{r2} [N]	i	MX63 63B5	MX71 71B5/B14	MX80 80B5/B14	MX90 90B5/B14
26	200	4500	54.00*				
30	200	4500	46.46*				
34	200	4500	40.60*				
39	200	4270	35.91*				
48	200	3970	28.88*				
59	200	3730	23.85*				
70	200	3520	20.08*				
82	140	3330	17.10				
95	200	3180	14.81*				
106	140	3060	13.21				
116	200	2970	12.05				
141	200	2780	9.93				
159	120	2670	8.78				
189	120	2520	7.39				
257	100	2280	5.45				
316	100	2120	4.43				
383	80	1990	3.66				

* = Endliches Untersetzungsverhältnis des Getriebes / * = Finite gear unit reduction ratio

KST03

$n_1 = 1400$ r/min

Abtriebswelle/ Output shaft: 30 mm

300 Nm

n_2 [r/min]	$M_{2,max}$ [Nm]	F_{r_2} [N]	i	MX71 71B5/B14	MX80 80B5/B14	MX90 90B5/B14	MX100 100B5/B14	MX112 112B5/B14
24	300	6000	58.09					
28	300	6000	50.02					
32	300	6000	43.75					
36	300	6000	38.73					
40	300	5860	34.62					
49	300	5480	28.30					
64	280	5020	21.78					
81	280	4660	17.33					
93	260	4440	15.06					
113	260	4160	12.37					
136	240	3910	10.28					
177	180	3590	7.93					
222	180	3320	6.31					
255	150	3170	5.48					
311	150	2970	4.50					
374	150	2790	3.74					

KST04

$n_1 = 1400$ r/min

Abtriebswelle/ Output shaft: 35 mm

500 Nm

n_2 [r/min]	$M_{2,max}$ [Nm]	F_{r_2} [N]	i	MX80 80B5/B14	MX90 90B5/B14	MX100 100B5/B14	MX112 112B5/B14
24	500	8000	58.09				
28	500	8000	50.02				
32	500	8000	43.75				
36	500	8000	38.73				
40	500	7950	34.62				
49	500	7430	28.30				
64	480	6810	21.78				
81	480	6310	17.33				
93	460	6020	15.06				
113	460	5640	12.37				
136	440	5300	10.28				
177	260	4860	7.93				
222	260	4510	6.31				
255	230	4300	5.48				
311	230	4030	4.50				
374	200	3780	3.74				

KSTo5

$n_1 = 1400$ r/min

Abtriebswelle/ Output shaft: 40 mm

820 Nm

n_2 [r/min]	$M_{2,max}$ [Nm]	F_{r_2} [N]	i	MX90 TAM90	MX100 TAM100	MX112 TAM112	MX132S/M TAM132	MX132ML TAM132	MX160M TAM160
25	820	9000	56.08						
29	820	9000	48.29						
33	820	8910	42.23						
37	820	8550	37.38						
42	820	8240	33.42						
46	820	7960	30.12						
56	820	7470	24.92						
67	810	7060	21.03						
84	810	6540	16.72						
110	710	5970	12.73						
121	690	5780	11.57						
140	660	5510	10.02						
160	630	5260	8.72						
184	610	5030	7.62						
222	560	4730	6.31						
256	540	4510	5.47						
294	520	4300	4.76*						
337	500	4110	4.16						

* = Endliches Untersetzungsverhältnis des Getriebes / *= Finite gear unit reduction ratio

KSTo6

$n_1 = 1400$ r/min

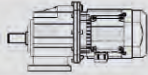


Abtriebswelle/ Output shaft: 50mm

1550 Nm

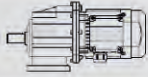


n_2 [r/min]	$M_{2,max}$ [Nm]	F_{r_2} [N]	i	MX90 TAM90	MX100 TAM100	MX112 TAM112	MX132S/M TAM132	MX132ML TAM132	MX160M TAM160
24	1550	13000	58.78*						
27	1550	13000	51.56*						
31	1550	13000	45.79*						
34	1550	12470	41.06*						
38	1550	12060	37.13*						
45	1550	11350	30.94*						
53	1550	10750	26.30*						
66	1490	10000	21.17						
84	1380	9240	16.68						
93	1330	8920	15.03						
106	1270	8540	13.18						
120	1230	8190	11.63*						
136	1200	7870	10.31*						
159	1180	7470	8.81						
174	1150	7240	8.04						
198	1050	6930	7.06						
225	1000	6650	6.23*						
254	950	6390	5.52						
297	900	6060	4.71						

* = Endliches Untersetzungsverhältnis des Getriebes / *= Finite gear unit reduction ratio

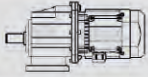


Leistungsparameter/ Performance Parameter

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s	 Page			  Page				
0.12	26	42	53.33	2600	2.9	KST01	MX63S4	40	KST01	63B5	6314	41	
	31	36	45.89	2600	3.3	KSTF01	MX63S4	40	KSTF01	63B5	6314	41	
	35	32	40.10	2600	3.8	KSTZ01	MX63S4	40	KSTZ01	63B5	6314	41	
	39	28	35.47	2560	4.3								
	49	22	28.50	2380	5.4								
	59	18.5	23.56	2230	6.5								
	71	15.6	19.83	2100	7.7								
	78	14.0	17.86	2030	6.4								
	96	11.5	14.62	1900	10.4								
	101	10.8	13.80*	1860	8.3								
	118	9.4	11.90	1770	12.8								
	143	7.7	9.81	1660	15.6								
	153	7.2	9.17	1630	11.1								
	181	6.1	7.72	1540	13.2								
	246	4.5	5.69	1390	15.7								
	302	3.6	4.63	1290	19.2								
	366	3.0	3.82	1210	23.3								
		16.9	65	53.33	2600	1.8	KST01	MX63M6	40	KST01	63B5	6326	41
		19.6	56	45.89	2600	2.1	KSTF01	MX63M6	40	KSTF01	63B5	6326	41
		22	49	40.10	2600	2.4	KSTZ01	MX63M6	40	KSTZ01	63B5	6326	41
		25	43	35.47	2560	2.8							
		32	35	28.50	2380	3.4							
		38	29	23.56	2230	4.2							
		45	24	19.83	2100	5.0							
		50	22	17.86	2030	4.1							
		62	17.9	14.62	1900	6.7							
		65	16.9	13.80*	1860	5.3							
		76	14.5	11.9	1770	8.2							
		92	12.0	9.81	1660	10.0							
		98	11.2	9.17	1630	7.1							
		117	9.4	7.72	1540	8.5							
		158	7.0	5.69	1390	10.1							
		194	5.7	4.63	1290	12.4							
		236	4.7	3.82	1210	15.0							
	0.18	26	63	53.33	2600	1.9	KST01	MX63M4	40	KST01	63B5	6324	41
		31	54	45.89	2600	2.2	KSTF01	MX63M4	40	KSTF01	63B5	6324	41
35		47	40.10	2600	2.5	KSTZ01	MX63M4	40	KSTZ01	63B5	6324	41	
39		42	35.47	2560	2.9								
49		34	28.50	2380	3.6								
59		28	23.56	2230	4.3								
71		23	19.83	2100	5.1								
78		21	17.86	2030	4.3								
96		17.2	14.62	1900	7.0								
101		16.3	13.80*	1860	5.5								
118		14.0	11.90	1770	8.6								
143		11.6	9.81	1660	10.4								
153		10.8	9.17	1630	7.4								
181		9.1	7.72	1540	8.8								
246		6.7	5.69	1390	10.4								
302		5.5	4.63	1290	12.8								
366		4.5	3.82	1210	15.5								

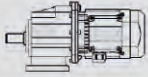
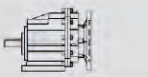

Leistungsparameter/ Performance Parameter

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s				 			
						Page	Page	Page	Page			
0.18	16.9	98	53.33	2600	1.2	KSTo1	MX63L6	40	KSTo1	71B5/B14	7116	41
	19.6	84	45.89	2600	1.4	KSTFo1	MX63L6	40	KSTFo1	71B5/B14	7116	41
	22	74	40.10	2600	1.6	KSTZo1	MX63L6	40	KSTZo1	71B5/B14	7116	41
	25	65	35.47	2600	1.8							
	32	52	28.50	2600	2.3							
	38	43	23.56	2580	2.8							
	45	36	19.83	2440	3.3							
	50	33	17.86	2360	2.7							
	26	64	54.00*	4500	3.1	KSTo2	MX63M4	43	KSTo2	63B5	6324	44
	30	55	46.46*	4500	3.7	KSTFo2	MX63M4	43	KSTFo2	63B5	6324	44
	34	48	40.60*	4500	4.2	KSTZo2	MX63M4	43	KSTZo2	63B5	6324	44
	39	42	35.91*	4270	4.7							
	16.7	99	54.00*	4500	2.0	KSTo2	MX63L6	43	KSTo2	71B5/B14	7116	44
	19.4	85	46.46*	4500	2.3	KSTFo2	MX63L6	43	KSTFo2	71B5/B14	7116	44
	22	74	40.60*	4500	2.7	KSTZo2	MX63L6	43	KSTZo2	71B5/B14	7116	44
25	66	35.91*	4500	3.0								
31	53	28.88*	4500	3.8								
0.25	26	87	53.33	2600	1.4	KSTo1	MX63L4	40				
	31	75	45.89	2600	1.6	KSTFo1	MX63L4	40				
	35	66	40.10	2600	1.8	KSTZo1	MX63L4	40				
	39	58	35.47	2560	2.1							
	49	47	28.50	2380	2.6							
	59	39	23.56	2230	3.1							
	71	32	19.83	2100	3.7							
	78	29	17.86	2030	3.1							
	96	24	14.62	1900	5.0							
	101	23	13.80	1860	4.0							
	118	19.5	11.90	1770	6.2							
	143	16.1	9.81	1660	7.5							
	153	15.0	9.17	1630	5.3							
	181	12.6	7.72	1540	6.3							
	246	9.3	5.69	1390	7.5							
	302	7.6	4.63	1290	9.2							
	366	6.3	3.82	1210	11.2							
	16.9	136	53.33	2600	0.88	KSTo1	MX71D6	40	KSTo1	71B5/B14	7126	41
	19.6	117	45.89	2600	1.0	KSTFo1	MX71D6	40	KSTFo1	71B5/B14	7126	41
	22	102	40.10	2600	1.2	KSTZo1	MX71D6	40	KSTZo1	71B5/B14	7126	41
	25	90	35.47	2600	1.3							
	32	73	28.50	2600	1.7							
	38	60	23.56	2580	2.0							
	45	51	19.83	2440	2.4							
	50	45	17.86	2360	2.0							
	62	37	14.62	2200	3.2							
	65	35	13.80*	2160	2.6							
76	30	11.90	2060	4.0								
92	25	9.81	1930	4.8								
98	23	9.17	1890	3.4								
117	19.7	7.72	1780	4.1								
158	14.5	5.69	1610	4.8								
194	11.8	4.63	1500	5.9								
236	9.7	3.82	1410	7.2								

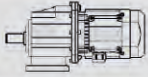


Leistungsparameter/ Performance Parameter

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s	 Page			  Page				
						Model	Page	Model	Model	Page			
0.37	26	129	53.33	2600	0.93	KST01	MX71D4	40	KST01	71B5/B14	7124	41	
	31	111	45.89	2600	1.1	KSTF01	MX71D4	40	KSTF01	71B5/B14	7124	41	
	35	97	40.10	2600	1.2	KSTZ01	MX71D4	40	KSTZ01	71B5/B14	7124	41	
	39	86	35.47	2560	1.4								
	49	69	28.50	2380	1.7								
	59	57	23.56	2230	2.1								
	71	48	19.83	2100	2.5								
	78	43	17.86	2030	2.1								
	96	35	14.62	1900	3.4								
	101	33	13.80*	1860	2.7								
	118	29	11.90	1770	4.2								
	143	24	9.81	1660	5.0								
	153	22	9.17	1630	3.6								
	181	18.7	7.72	1540	4.3								
	246	13.8	5.69	1390	5.1								
	302	11.2	4.63	1290	6.2								
	366	9.3	3.82	1210	7.6								
		25	134	35.47	2600	0.90	KST01	MX80K6	40	KST01	80B5/B14	8016	41
		32	107	28.50	2600	1.1	KSTF01	MX80K6	40	KSTF01	80B5/B14	8016	41
		38	89	23.56	2580	1.4	KSTZ01	MX80K6	40	KSTZ01	80B5/B14	8016	41
		45	75	19.83	2440	1.6							
		50	67	17.86	2360	1.3							
		62	55	14.62	2200	2.2							
		65	52	13.80*	2160	1.7							
		76	45	11.90	2060	2.7							
		92	37	9.81	1930	3.2							
		98	35	9.17	1890	2.3							
		117	29	7.72	1780	2.7							
		26	131	54.00*	4500	1.5	KST02	MX71D4	43	KST02	71B5/B14	7124	44
		30	113	46.46*	4500	1.8	KSTF02	MX71D4	43	KSTF02	71B5/B14	7124	44
		34	98	40.60*	4500	2.0	KSTZ02	MX71D4	43	KSTZ02	71B5/B14	7124	44
		39	87	35.91*	4270	2.4							
		48	70	28.88*	3970	2.9							
		59	58	23.85*	3730	3.5							
		70	49	20.08*	3520	4.1							
		82	41	17.10	3330	3.4							
	95	36	14.81*	3180	5.6								
	16.7	204	54.00*	4500	1.0	KST02	MX80K6	43	KST02	80B5/B14	8016	44	
	19.4	175	46.46*	4500	1.1	KSTF02	MX80K6	43	KSTF02	80B5/B14	8016	44	
	22	153	40.60	4500	1.3	KSTZ02	MX80K6	43	KSTZ02	80B5/B14	8016	44	
	25	135	35.91	4500	1.5								
	31	109	28.88*	4500	1.8								
	38	90	23.85*	4320	2.2								
	45	76	20.08*	4080	2.6								
	53	64	17.10	3860	2.2								
	68	50	13.21	3550	2.8								
	24	141	58.09	6000	2.1	KST03	MX71D4	46	KST03	71B5/B14	7124	47	
	28	121	50.02	6000	2.5	KSTF03	MX71D4	46	KSTF03	71B5/B14	7124	47	
	32	106	43.75	6000	2.8	KSTZ03	MX71D4	46	KSTZ03	71B5/B14	7124	47	
	36	94	38.73	6000	3.2								
	40	84	34.62	5860	3.6								

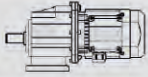


Leistungsparameter/ Performance Parameter

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s									
							Page		Page		Page			
0.37	15.5	219	58.09	6000	1.4	KSTo3	MX8oK6	46	KSTo3	8oB5/B14	8o16	47		
	18.0	189	50.02	6000	1.6	KSTFo3	MX8oK6	46	KSTFo3	8oB5/B14	8o16	47		
	21	165	43.75	6000	1.8	KSTZo3	MX8oK6	46	KSTZo3	8oB5/B14	8o16	47		
	23	146	38.73	6000	2.1									
	26	130	34.62	6000	2.3									
	32	107	28.30	6000	2.8									
	41	82	21.78	5820	3.4									
0.55	53	96	53.33	2320	1.2	KSTo1	MX71D2	40	KSTo1	71B5/B14	7122	41		
	61	83	45.89	2210	1.5	KSTFo1	MX71D2	40	KSTFo1	71B5/B14	7122	41		
	70	72	40.10	2110	1.7	KSTZo1	MX71D2	40	KSTZo1	71B5/B14	7122	41		
	79	64	35.47	2030	1.9									
	98	51	28.50	1880	2.3									
	119	42	23.56	1770	2.8									
	141	36	19.83	1670	3.4									
	157	32	17.86	1610	2.8									
	203	25	13.80*	1480	3.6									
	39	128	35.47	2560	0.94	KSTo1	MX8oK4	40	KSTo1	8oB5/B14	8o14	41		
	49	103	28.50	2380	1.2	KSTFo1	MX8oK4	40	KSTFo1	8oB5/B14	8o14	41		
	59	85	23.56	2230	1.4	KSTZo1	MX8oK4	40	KSTZo1	8oB5/B14	8o14	41		
	71	71	19.83	2100	1.7									
	78	64	17.86	2030	1.4									
	96	53	14.62	1900	2.3									
	101	50	13.80*	1860	1.8									
	118	43	11.90	1770	2.8									
	143	35	9.81	1660	3.4									
	153	33	9.17	1630	2.4									
	181	28	7.72	1540	2.9									
	246	20	5.69	1390	3.4									
	302	16.7	4.63	1290	4.2									
	366	13.8	3.82	1210	5.1									
38	132	23.56	2580	0.91	KSTo1	MX8oN6	40	KSTo1	8oB5/B14	8o26	41			
45	111	19.83	2440	1.1	KSTFo1	MX8oN6	40	KSTFo1	8oB5/B14	8o26	41			
62	82	14.62	2200	1.5	KSTZo1	MX8oN6	40	KSTZo1	8oB5/B14	8o26	41			
65	77	13.80*	2160	1.2										
76	67	11.90	2060	1.8										
92	55	9.81	1930	2.2										
98	51	9.17	1890	1.6										
117	43	7.72	1780	1.8										
158	32	5.69	1610	2.2										
194	26	4.63	1500	2.7										
236	21	3.82	1410	3.3										
52	97	54.00*	3880	2.1	KSTo2	MX71D2	43	KSTo2	71B5/B14	7122	44			
60	84	46.46*	3690	2.4	KSTFo2	MX71D2	43	KSTFo2	71B5/B14	7122	44			
69	73	40.60*	3530	2.7	KSTZo2	MX71D2	43	KSTZo2	71B5/B14	7122	44			
78	65	35.91*	3390	3.1										
97	52	28.88*	3150	3.8										
26	194	54.00*	4500	1.0	KSTo2	MX8oK4	43	KSTo2	8oB5/B14	8o14	44			
30	167	46.46*	4500	1.2	KSTFo2	MX8oK4	43	KSTFo2	8oB5/B14	8o14	44			
34	146	40.60*	4500	1.4	KSTZo2	MX8oK4	43	KSTZo2	8oB5/B14	8o14	44			
39	129	35.91*	4270	1.5										
48	104	28.88*	3970	1.9										

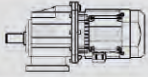
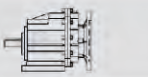

Leistungsparameter/ Performance Parameter

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s									
						Page	Page	Page	Page	Page	Page			
0.55	59	86	23.85*	3730	2.3	KSTo2	MX8oK4	43	KSTo2	8oB5/B14	8o14	44		
	70	72	20.08*	3520	2.8	KSTFo2	MX8oK4	43	KSTFo2	8oB5/B14	8o14	44		
	82	62	17.10	3330	2.3	KSTZo2	MX8oK4	43	KSTZo2	8oB5/B14	8o14	44		
	95	53	14.81*	3180	3.7									
	106	48	13.21	3060	2.9									
	22	227	40.60*	4500	0.88	KSTo2	MX8oN6	43	KSTo2	8oB5/B14	8o26	44		
	25	201	35.91*	4500	1.0	KSTFo2	MX8oN6	43	KSTFo2	8oB5/B14	8o26	44		
	31	162	28.88*	4500	1.2	KSTZo2	MX8oN6	43	KSTZo2	8oB5/B14	8o26	44		
	38	134	23.85*	4320	1.5									
	45	113	20.08*	4080	1.8									
	53	96	17.10	3860	1.5									
	61	83	14.81*	3680	2.4									
	68	74	13.21	3550	1.9									
	103	49	8,78	3090	2.4									
	24	209	58.09	6000	1.4	KSTo3	MX8oK4	46	KSTo3	8oB5/B14	8o14	47		
	28	180	50.02	6000	1.7	KSTFo3	MX8oK4	46	KSTFo3	8oB5/B14	8o14	47		
	32	158	43.75	6000	1.9	KSTZo3	MX8oK4	46	KSTZo3	8oB5/B14	8o14	47		
	36	139	38.73	6000	2.2									
	40	125	34.62	5860	2.4									
	49	102	28.30	5480	2.9									
	64	78	21.78	5020	3.6									
	81	62	17.33	4660	4.5									
	15.5	325	58.09	6000	0.92	KSTo3	MX8oN6	46	KSTo3	8oB5/B14	8o26	47		
	18.0	280	50.02	6000	1.1	KSTFo3	MX8oN6	46	KSTFo3	8oB5/B14	8o26	47		
	21	245	43.75	6000	1.2	KSTZo3	MX8oN6	46	KSTZo3	8oB5/B14	8o26	47		
	23	217	38.73	6000	1.4									
	26	194	34-62	6000	1.5									
	32	159	28.30	6000	1.9									
	41	122	21.78	5820	2.3									
	52	97	17.33	5400	2.9									
	60	84	15.06	5150	3.1									
	73	69	12.37	4820	3.8									
	24	209	58.09	8000	2.4	KSTo4	MX8oK4	49	KSTo4	8oB5/B14	8o14	50		
	28	180	50.02	8000	2.8	KSTFo4	MX8oK4	49	KSTFo4	8oB5/B14	8o14	50		
	32	158	43.75	8000	3.2	KSTZo4	MX8oK4	49	KSTZo4	8oB5/B14	8o14	50		
	36	139	38.73	8000	3.6									
40	125	34.62	7950	4.0										
15.5	325	58.09	8000	1.5	KSTo4	MX8oN6	49	KSTo4	8oB5/B14	8o26	50			
18	280	50.02	8000	1.8	KSTFo4	MX8oN6	49	KSTFo4	8oB5/B14	8o26	50			
21	245	43.75	8000	2.0	KSTZo4	MX8oN6	49	KSTZo4	8oB5/B14	8o26	50			
23	217	38.73	8000	2.3										
26	194	34.62	8000	2.6										
32	159	28.30	8000	3.2										
41	122	21.78	7890	3.9										
0.75	61	113	45.89	2210	1.1	KSTo1	MX8oK2	40	KSTo1	8oB5/B14	8o12	41		
	70	98	40.10	2110	1.2	KSTFo1	MX8oK2	40	KSTFo1	8oB5/B14	8o12	41		
	79	87	35.47	2030	1.4	KSTZo1	MX8oK2	40	KSTZo1	8oB5/B14	8o12	41		
	98	70	28.50	1880	1.7									
	119	58	23.56	1770	2.1									
	141	49	19.83	1670	2.5									
	157	44	17.86	1610	2.1									

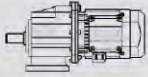


Leistungsparameter/ Performance Parameter

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s	 Page			  Page			
						Model	Page	Model	Model	Page		
0.75	192	36	14.62	1510	3.3	KSTo1	MX8oK2	40	KSTo1	8oB5/B14	8o12	41
	203	34	13.80*	1480	2.7	KSTFo1	MX8oK2	40	KSTFo1	8oB5/B14	8o12	41
						KSTZo1	MX8oK2	40	KSTZo1	8oB5/B14	8o12	41
	59	116	23.56	2230	1.0	KSTo1	MX8oN4	40	KSTo1	8oB5/B14	8o24	41
	71	97	19.83	2100	1.2	KSTFo1	MX8oN4	40	KSTFo1	8oB5/B14	8o24	41
	78	88	17.86	2030	1.0	KSTZo1	MX8oN4	40	KSTZo1	8oB5/B14	8o24	41
	96	72	14.62	1900	1.7							
	101	68	13.80*	1860	1.3							
	118	58	11.90	1770	2.1							
	143	48	9.81	1660	2.5							
	153	45	9.17	1630	1.8							
	181	38	7.72	1540	2.1							
	246	28	5.69	1390	2.5							
	302	23	4.63	1290	3.1							
	366	18.8	3.82	1210	3.7							
	62	112	14.42	2200	1.1	KSTo1	MX9oS6	40	KSTo1	9oS6/B14	9oS6	41
	76	91	11.90	2060	1.3	KSTFo1	MX9oS6	40	KSTFo1	9oS6/B14	9oS6	41
	92	75	9.81	1930	1.6	KSTZo1	MX9oS6	40	KSTZo1	9oS6/B14	9oS6	41
	98	70	9.17	1890	1.1							
	117	59	7.72	1780	1.4							
	158	43	5.69	1610	1.6							
	194	35	4.63	1500	2.0							
	236	29	3.82	1410	2.4							
	52	133	54.00*	3880	1.5	KSTo2	MX8oK2	43	KSTo2	8oB5/B14	8o12	44
	60	114	46.46*	3690	1.8	KSTFo2	MX8oK2	43	KSTFo2	8oB5/B14	8o12	44
	69	100	40.60*	3530	2.0	KSTZo2	MX8oK2	43	KSTZo2	8oB5/B14	8o12	44
	78	88	35.91*	3390	2.3							
	97	71	28.88*	3150	2.8							
	117	59	23.85*	2960	3.4							
	139	49	20.08*	2790	4.1							
	164	42	17.10	2650	3.3							
	30	228	46.46*	4500	0.88	KSTo2	MX8oN4	43	KSTo2	8oB5/B14	8o24	44
	34	199	40.60*	4500	1.0	KSTFo2	MX8oN4	43	KSTFo2	8oB5/B14	8o24	44
	39	176	35.91*	4270	1.1	KSTZo2	MX8oN4	43	KSTZo2	8oB5/B14	8o24	44
	48	142	28.88*	3970	1.4							
	59	117	23.85*	3730	1.7							
70	99	20.08*	3520	2.0								
82	84	17.10	3330	1.7								
95	73	14.81*	3180	2.7								
106	65	13.21	3060	2.2								
116	59	12.05	2970	3.4								
141	49	9.93	2780	4.1								
159	43	8.78	2670	2.8								
189	36	7.39	2520	3.3								
257	27	5.45	2280	3.7								
38	182	23.85*	4320	1.1	KSTo2	MX9oS6	43	KSTo2	9oS6/B14	9oS6	44	
45	153	20.08*	4080	1.3	KSTFo2	MX9oS6	43	KSTFo2	9oS6/B14	9oS6	44	
61	113	14.81*	3680	1.8	KSTZo2	MX9oS6	43	KSTZo2	9oS6/B14	9oS6	44	
68	101	13.21	3550	1.4								
75	92	12.05	3440	2.2								
91	76	9.93	3220	2.6								

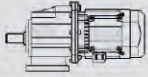


Leistungsparameter/ Performance Parameter

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s									
							Page			Page		Page		
0.75	103	67	8.78	3090	1.8	KSTo2	MX9oS6	43	KSTo2	90B5/B14	90S6	44		
	122	56	7.39	2920	2.1	KSTFo2	MX9oS6	43	KSTFo2	90B5/B14	90S6	44		
	165	42	5.45	2640	2.4	KSTZ02	MX9oS6	43	KSTZ02	90B5/B14	90S6	44		
	48	143	58.09	5530	2.1	KSTo3	MX8oK2	46	KSTo3	80B5/B14	8012	47		
	56	123	50.02	5260	2.4	KSTFo3	MX8oK2	46	KSTFo3	80B5/B14	8012	47		
	64	107	43.75	5030	2.8	KSTZ03	MX8oK2	46	KSTZ03	80B5/B14	8012	47		
	72	95	38.73	4830	3.2									
	81	85	34.62	4650	3.5									
	24	285	58.09	6000	1.1	KSTo3	MX8oN4	46	KSTo3	80B5/B14	8024	47		
	28	246	50.02	6000	1.2	KSTFo3	MX8oN4	46	KSTFo3	80B5/B14	8024	47		
	32	215	43.75	6000	1.4	KSTZ03	MX8oN4	46	KSTZ03	80B5/B14	8024	47		
	36	190	38.73	6000	1.6									
	40	170	34.62	5860	1.8									
	49	139	28.30	5480	2.2									
	64	107	21.78	5020	2.6									
	81	85	17.33	4660	3.3									
	93	74	15.06	4440	3.5									
	23	296	38.73	6000	1.0	KSTo3	MX9oS6	46	KSTo3	90B5/B14	90S6	47		
	26	264	34.62	6000	1.1	KSTFo3	MX9oS6	46	KSTFo3	90B5/B14	90S6	47		
	32	216	28.30	6000	1.4	KSTZ03	MX9oS6	46	KSTZ03	90B5/B14	90S6	47		
	41	166	21.78	5820	1.7									
	52	132	17.33	5400	2.1									
	60	115	15.06	5150	2.3									
	73	95	12.37	4820	2.8									
	88	79	10.28	4530	3.1									
	113	61	7.93*	4160	3.0									
	143	48	6.31	3850	3.7									
	164	42	5.48	3670	3.6									
	24	285	58.09	8000	1.8	KSTo4	MX8oN4	49	KSTo4	80B5/B14	8024	50		
	28	246	50.02	8000	2.0	KSTFo4	MX8oN4	49	KSTFo4	80B5/B14	8024	50		
	32	215	43.75	8000	2.3	KSTZ04	MX8oN4	49	KSTZ04	80B5/B14	8024	50		
	36	190	38.73	8000	2.6									
	40	170	34.62	7950	2.9									
	49	139	28.30	7430	3.6									
	64	107	21.78	6810	4.5									
	15.5	444	58.09	8000	1.1	KSTo4	MX9oS6	49	KSTo4	90B5/B14	90S6	50		
18.0	382	50.02	8000	1.3	KSTFo4	MX9oS6	49	KSTFo4	90B5/B14	90S6	50			
21	334	43.75	8000	1.5	KSTZ04	MX9oS6	49	KSTZ04	90B5/B14	90S6	50			
23	296	38.73	8000	1.7										
26	264	34.62	8000	1.9										
32	216	28.30	8000	2.3										
41	166	21.78	7890	2.9										
52	132	17.33	7310	3.6										
1.1	98	103	28.50	1880	1.2	KSTo1	MX8oN2	40	KSTo1	80B5/B14	8022	41		
	119	85	23.56	1770	1.4	KSTFo1	MX8oN2	40	KSTFo1	80B5/B14	8022	41		
	141	71	19.83	1670	1.7	KSTZ01	MX8oN2	40	KSTZ01	80B5/B14	8022	41		
	157	64	17.86	1610	1.4									
	192	53	14.62	1510	2.3									
	203	50	13.80*	1480	1.8									
	235	43	11.90	1410	2.8									
	285	35	9.81	1320	3.4									

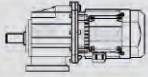
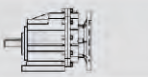

Leistungsparameter/ Performance Parameter

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s	 Page			  Page			
						Model	Page	Model	Model	Page		
1.1	305	33	9.17	1290	2.4	KSTo1	MX8oN2	40	KSTo1	8oB5/B14	8o22	41
	363	28	7.72	1220	2.9	KSTFo1	MX8oN2	40	KSTFo1	8oB5/B14	8o22	41
	492	20	5.69	1100	3.4	KSTZo1	MX8oN2	40	KSTZo1	8oB5/B14	8o22	41
	605	16.7	4.63	1030	4.2							
	733	13.8	3.82	960	5.1							
	96	105	14.62	1900	1.1	KSTo1	MX9oS4	40	KSTo1	9oB5/B14	9oS4	41
	118	86	11.90	1770	1.4	KSTFo1	MX9oS4	40	KSTFo1	9oB5/B14	9oS4	41
	143	71	9.81	1660	1.7	KSTZo1	MX9oS4	40	KSTZo1	9oB5/B14	9oS4	41
	153	66	9.17	1630	1.2							
	181	56	7.72	1540	1.4							
	246	41	5.69	1390	1.7							
	302	33	4.63	1290	2.1							
	366	28	3.82	1210	2.5							
	92	110	9.81	1930	1.1	KSTo1	MX9oL6	40	KSTo1	9oB5/B14	9oL6	41
	117	87	7.72	1780	0.92	KSTFo1	MX9oL6	40	KSTFo1	9oB5/B14	9oL6	41
158	64	5.69	1610	1.1	KSTZo1	MX9oL6	40	KSTZo1	9oB5/B14	9oL6	41	
194	52	4.63	1500	1.3								
236	43	3.82	1410	1.6								
52	194	54.00*	3880	1.0	KSTo2	MX8oN2	43	KSTo2	8oB5/B14	8o22	44	
60	167	46.46*	3690	1.2	KSTFo2	MX8oN2	43	KSTFo2	8oB5/B14	8o22	44	
69	146	40.60*	3530	1.4	KSTZo2	MX8oN2	43	KSTZo2	8oB5/B14	8o22	44	
78	129	35.91*	3390	1.5								
97	104	28.88*	3150	1.9								
117	86	23.85*	2960	2.3								
139	72	20.08*	2790	2.8								
164	62	17.10	2650	2.3								
189	53	14.81*	2520	3.7								
212	48	13.21	2430	2.9								
48	208	28.88*	3970	0.96	KSTo2	MX9oS4	43	KSTo2	9oB5/B14	9oS4	44	
59	172	23.85*	3730	1.2	KSTFo2	MX9oS4	43	KSTFo2	9oB5/B14	9oS4	44	
70	145	20.08*	3520	1.4	KSTZo2	MX9oS4	43	KSTZo2	9oB5/B14	9oS4	44	
95	107	14.81*	3180	1.9								
106	95	13.21	3060	1.5								
116	87	12.05	2970	2.3								
141	72	9.93	2780	2.8								
159	63	8.78	2670	1.9								
189	53	7.39	2520	2.3								
257	39	5.45	2280	2.5								
316	32	4.43	2120	3.1								
383	26	3.66	1990	3.0								
61	166	14.81*	3680	1.2	KSTo2	MX9oL6	43	KSTo2	9oB5/B14	9oL6	44	
75	135	12.05	3440	1.5	KSTFo2	MX9oL6	43	KSTFo2	9oB5/B14	9oL6	44	
91	111	9.93	3220	1.8	KSTZo2	MX9oL6	43	KSTZo2	9oB5/B14	9oL6	44	
103	98	8.78	3090	1.2								
122	83	7.39	2920	1.4								
165	61	5.45	2640	1.6								
203	50	4.43	2460	2.0								
246	41	3.66	2310	2.0								
48	209	58.09	5530	1.4	KSTo3	MX8oN2	46	KSTo3	8oB5/B14	8o22	47	
56	180	50.02	5260	1.7	KSTFo3	MX8oN2	46	KSTFo3	8oB5/B14	8o22	47	
64	158	43.75	5030	1.9	KSTZo3	MX8oN2	46	KSTZo3	8oB5/B14	8o22	47	

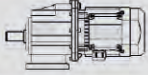
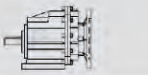

Leistungsparameter/ Performance Parameter

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s	 Page			  Page			
						Model	Page	Model	Model	Page		
1.1	72	139	38.73	4830	2.2	KSTo3	MX8oN2	46	KSTo3	8oB5/B14	8o22	47
	81	125	34.62	4650	2.4	KSTFo3	MX8oN2	46	KSTFo3	8oB5/B14	8o22	47
	99	102	28.30	4350	2.9	KSTZo3	MX8oN2	46	KSTZo3	8oB5/B14	8o22	47
	129	78	21.78	3990	3.6							
	32	315	43.75	6000	0.95	KSTo3	MX9oS4	46	KSTo3	9oB5/B14	9oS4	47
	36	279	38.73	6000	1.1	KSTFo3	MX9oS4	46	KSTFo3	9oB5/B14	9oS4	47
	40	249	34.62	5860	1.2	KSTZo3	MX9oS4	46	KSTZo3	9oB5/B14	9oS4	47
	49	204	28.30	5480	1.5							
	64	157	21.78	5020	1.8							
	81	125	17.33	4660	2.2							
	93	108	15.06	4440	2.4							
	113	89	12.37	4160	2.9							
	136	74	10.28	3910	3.2							
	177	57	7.93*	3590	3.2							
	222	45	6.31	3320	4.0							
	255	39	5.48	3170	3.8							
	311	32	4.50	2970	4.6							
374	27	3.74	2790	5.6								
	32	317	28.30	6000	0.95	KSTo3	MX9oL6	46	KSTo3	9oB5/B14	9oL6	47
	41	244	21.78	5820	1.1	KSTFo3	MX9oL6	46	KSTFo3	9oB5/B14	9oL6	47
	52	194	17.33	5400	1.4	KSTZo3	MX9oL6	46	KSTZo3	9oB5/B14	9oL6	47
	60	169	15.06	5150	1.5							
	73	139	12.37	4820	1.9							
	88	115	10.28	4530	2.1							
	113	89	7.93*	4160	2.0							
	143	71	6.31	3850	2.5							
	164	61	5.48	3670	2.4							
	200	50	4.50	3440	3.0							
	241	42	3.74	3230	3.6							
	48	209	58.09	7500	2.4	KSTo4	MX8oN2	49	KSTo4	8oB5/B14	8o22	50
	56	180	50.02	7130	2.8	KSTFo4	MX8oN2	49	KSTFo4	8oB5/B14	8o22	50
	64	158	43.75	6820	3.2	KSTZo4	MX8oN2	49	KSTZo4	8oB5/B14	8o22	50
	72	139	38.73	6550	3.6							
	81	125	34.62	6310	4.0							
	24	418	58.09	8000	1.2	KSTo4	MX9oS4	49	KSTo4	9oB5/B14	9oS4	50
	28	360	50.02	8000	1.4	KSTFo4	MX9oS4	49	KSTFo4	9oB5/B14	9oS4	50
	32	315	43.75	8000	1.6	KSTZo4	MX9oS4	49	KSTZo4	9oB5/B14	9oS4	50
	36	279	38.73	8000	1.8							
	40	249	34.62	7950	2.0							
	49	204	28.30	7430	2.5							
	64	157	21.78	6810	3.1							
	81	125	17.33	6310	3.8							
	93	108	15.06	6020	4.2							
	21	490	43.75	8000	1.0	KSTo4	MX9oL6	49	KSTo4	9oB5/B14	9oL6	50
	23	434	38.73	8000	1.2	KSTFo4	MX9oL6	49	KSTFo4	9oB5/B14	9oL6	50
	26	388	34.62	8000	1.3	KSTZo4	MX9oL6	49	KSTZo4	9oB5/B14	9oL6	50
	32	317	28.30	8000	1.6							
	41	244	21.78	7890	2.0							
	52	194	17.33	7310	2.5							
	60	169	15.06	6980	2.7							
	73	139	12.37	6540	3.3							
	88	115	10.28	6150	3.8							

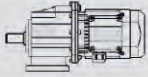
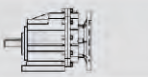

Leistungsparameter/ Performance Parameter

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s	 Page			  Page			
1.1	113	89	7.93*	5640	2.9	KSTo4	MX9oL6	49	KSTo4	9oB5/B14	9oL6	50
	143	71	6.31	5220	3.7	KSTFo4	MX9oL6	49	KSTFo4	9oB5/B14	9oL6	50
	164	61	5.48	4980	3.7	KSTZo4	MX9oL6	49	KSTZo4	9oB5/B14	9oL6	50
	25	404	56.08	9000	2.0	KSTo5	MX9oS4	52	KSTo5	TAM9o	9oS4	53
	29	348	48.29	9000	2.4	KSTFo5	MX9oS4	52	KSTFo5	TAM9o	9oS4	53
	33	304	42.23	8910	2.7	KSTZo5	MX9oS4	52	KSTZo5	TAM9o	9oS4	53
	37	269	37.38	8550	3.0							
	42	241	33.42	8240	3.4							
	46	217	30.12	7960	3.8							
	16	628	56.08	9000	1.3	KSTo5	MX9oL6	52	KSTo5	TAM9o	9oL6	53
	18.6	541	48.29	9000	1.5	KSTFo5	MX9oL6	52	KSTFo5	TAM9o	9oL6	53
	21	473	42.23	9000	1.7	KSTZo5	MX9oL6	52	KSTZo5	TAM9o	9oL6	53
	24	419	37.38	9000	2.0							
	27	374	33.42	9000	2.2							
	30	338	30.12	9000	2.4							
	36	279	24.92	8660	2.9							
	43	236	21.03	8180	3.4							
	24	423	58.78*	13000	3.7	KSTo6	MX9oS4	55	KSTo6	TAM9o	9oS4	56
	27	371	51.56*	13000	4.2	KSTFo6	MX9oS4	55	KSTFo6	TAM9o	9oS4	56
						KSTZo6	MX9oS4	55	KSTZo6	TAM9o	9oS4	56
15.3	659	58.78*	13000	2.4	KSTo6	MX9oL6	55	KSTo6	TAM9o	9oL6	56	
17.5	578	51.56*	13000	2.7	KSTFo6	MX9oL6	55	KSTFo6	TAM9o	9oL6	56	
19.7	513	45.79*	13000	3.0	KSTZo6	MX9oL6	55	KSTZo6	TAM9o	9oL6	56	
22	460	41.06*	13000	3.4								
24	416	37.13*	13000	3.7								
1.5	119	116	23.56	1770	1.0	KSTo1	MX9oS2	40	KSTo1	9oB5/B14	9oS2	41
	141	97	19.83	1670	1.2	KSTFo1	MX9oS2	40	KSTFo1	9oB5/B14	9oS2	41
	192	72	14.62	1510	1.7	KSTZo1	MX9oS2	40	KSTZo1	9oB5/B14	9oS2	41
	203	68	13.80*	1480	1.3							
	235	58	11.90	1410	2.1							
	285	48	9.81	1320	2.5							
	305	45	9.17	1290	1.8							
	363	38	7.72	1220	2.1							
	492	28	5.69	1100	2.5							
	605	23	4.63	1030	3.1							
	733	18.8	3.82	960	3.7							
	118	117	11.90	1770	1.0	KSTo1	MX9oL4	40	KSTo1	9oB5/B14	9oL4	41
	143	96	9.81	1660	1.2	KSTFo1	MX9oL4	40	KSTFo1	9oB5/B14	9oL4	41
	153	90	9.17	1630	0.89	KSTZo1	MX9oL4	40	KSTZo1	9oB5/B14	9oL4	41
	181	76	7.72	1540	1.1							
	246	56	5.69	1390	1.3							
	302	45	4.63	1290	1.5							
	366	38	3.82	1210	1.9							
	69	199	40.60*	3530	1.0	KSTo2	MX9oS2	43	KSTo2	9oB5/B14	9oS2	44
	78	176	35.91*	3390	1.1	KSTFo2	MX9oS2	43	KSTFo2	9oB5/B14	9oS2	44
97	142	28.88*	3150	1.4	KSTZo2	MX9oS2	43	KSTZo2	9oB5/B14	9oS2	44	
117	117	23.85*	2960	1.7								
139	99	20.08*	2790	2.0								
189	73	14.81*	2520	2.7								
212	65	13.21	2430	2.2								

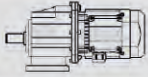
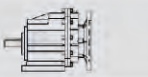

Leistungsparameter/ Performance Parameter

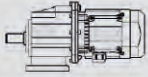
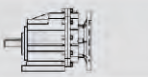

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s									
							Page			Page		Page		
1.5	232	59	12.05	2350	3.4	KSTo2	MX9oS2	43	KSTo2	90B5/B14	90S2	44		
	282	49	9.93	2210	4.1	KSTFo2	MX9oS2	43	KSTFo2	90B5/B14	90S2	44		
	319	43	8.78	2120	2.8	KSTZo2	MX9oS2	43	KSTZo2	90B5/B14	90S2	44		
	379	36	7.39	2000	3.3									
	514	27	5.45	1810	3.7									
	95	145	14.81*	3180	1.4	KSTo2	MX9oL4	43	KSTo2	90B5/B14	90L4	44		
	116	118	12.05	2970	1.7	KSTFo2	MX9oL4	43	KSTFo2	90B5/B14	90L4	44		
	141	98	9.93	2780	2.1	KSTZo2	MX9oL4	43	KSTZo2	90B5/B14	90L4	44		
	159	86	8.78	2670	1.4									
	189	73	7.39	2520	1.7									
	257	54	5.45	2280	1.9									
	316	44	4.43	2120	2.3									
	383	36	3.66	1990	2.2									
	48	285	58.09	5530	1.1	KSTo3	MX9oS2	46	KSTo3	90B5/B14	90S2	47		
	56	246	50.02	5260	1.2	KSTFo3	MX9oS2	46	KSTFo3	90B5/B14	90S2	47		
64	215	43.75	5030	1.4	KSTZo3	MX9oS2	46	KSTZo3	90B5/B14	90S2	47			
72	190	38.73	4830	1.6										
81	170	34.62	4650	1.8										
99	139	28.30	4350	2.2										
129	107	21.78	3990	2.6										
162	85	17.33	3690	3.3										
186	74	15.06	3530	3.5										
40	340	34.62	5860	0.88	KSTo3	MX9oL4	46	KSTo3	90B5/B14	90L4	47			
49	278	28.30	5480	1.1	KSTFo3	MX9oL4	46	KSTFo3	90B5/B14	90L4	47			
64	214	21.78	5020	1.3	KSTZo3	MX9oL4	46	KSTZo3	90B5/B14	90L4	47			
81	170	17.33	4660	1.6										
93	148	15.06	4440	1.8										
113	122	12.37	4160	2.1										
136	101	10.28	3910	2.4										
177	78	7.93*	3590	2.3										
222	62	6.31	3320	2.9										
255	54	5.48	3170	2.8										
311	44	4.50	2970	3.4										
374	37	3.74	2790	4.1										
52	265	17.33	5400	1.1	KSTo3	MX100M6	46	KSTo3	100B5/B14	100L6	47			
60	230	15.06	5150	1.1	KSTFo3	MX100M6	46	KSTFo3	100B5/B14	100L6	47			
73	189	12.37	4820	1.4	KSTZo3	MX100M6	46	KSTZo3	100B5/B14	100L6	47			
88	157	10.28	4530	1.5										
113	121	7.93*	4160	1.5										
143	96	6.31	3850	1.9										
164	84	5.48	3670	1.8										
200	69	4.50	3440	2.2										
241	57	3.74	3230	2.6										
48	285	58.09	7500	1.8	KSTo4	MX9oS2	49	KSTo4	90B5/B14	90S2	50			
56	246	50.02	7130	2.0	KSTFo4	MX9oS2	49	KSTFo4	90B5/B14	90S2	50			
64	215	43.75	6820	2.3	KSTZo4	MX9oS2	49	KSTZo4	90B5/B14	90S2	50			
72	190	38.73	6550	2.6										
81	170	34.62	6310	2.9										
99	139	28.30	5900	3.6										

Leistungsparameter/ Performance Parameter

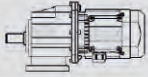
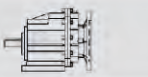

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s									
							Page			Page		Page		
1.5	24	571	58.09	8000	0.88	KSTo4	MX9oL4	49	KSTo4	9oB5/B14	9oL4	50		
	28	491	50.02	8000	1.0	KSTFo4	MX9oL4	49	KSTFo4	9oB5/B14	9oL4	50		
	32	430	43.75	8000	1.2	KSTZo4	MX9oL4	49	KSTZo4	9oB5/B14	9oL4	50		
	36	380	38.73	8000	1.3									
	40	340	34.62	7950	1.5									
	49	278	28.30	7430	1.8									
	64	214	21.78	6810	2.2									
	81	170	17.33	6310	2.8									
	93	148	15.06	6020	3.1									
	113	122	12.37	5640	3.8									
	136	101	10.28	5300	4.4									
	177	78	7.93*	4860	3.3									
	222	62	6.31	4510	4.2									
	255	54	5.48	4300	4.3									
		26	529	34.62	8000	0.95	KSTo4	MX1ooM6	49	KSTo4	1ooB5/B14	9oL4	50	
	32	432	28.30	8000	1.2	KSTFo4	MX1ooM6	49	KSTFo4	1ooB5/B14	9oL4	50		
	41	333	21.78	7890	1.4	KSTZo4	MX1ooM6	49	KSTZo4	1ooB5/B14	9oL4	50		
	52	265	17.33	7310	1.8									
	60	230	15.06	6980	2.0									
	73	189	12.37	6540	2.4									
	88	157	10.28	6150	2.8									
	113	121	7.93*	5640	2.1									
	143	96	6.31	5220	2.7									
	164	84	5.48	4980	2.7									
	200	69	4.50	4660	3.3									
	41	57	3.74	4390	3.5									
	50	275	56.08	7770	3.0	KSTo5	MX9oS2	52	KSTo5	TAM9o	9oS2	53		
	58	237	48.29	7390	3.5	KSTFo5	MX9oS2	52	KSTFo5	TAM9o	9oS2	53		
	66	207	42.23	7070	4.0	KSTZo5	MX9oS2	52	KSTZo5	TAM9o	9oS2	53		
	25	551	56.08	9000	1.5	KSTo5	MX9oL4	52	KSTo5	TAM9o	9oL4	53		
	29	474	48.29	9000	1.7	KSTFo5	MX9oL4	52	KSTFo5	TAM9o	9oL4	53		
	33	415	42.23	8910	2.0	KSTZo5	MX9oL4	52	KSTZo5	TAM9o	9oL4	53		
	37	367	37.38	8550	2.2									
	42	328	33.42	8240	2.5									
	46	296	30.12	7960	2.8									
	56	245	24.92	7470	3.3									
	67	207	21.03	7060	3.9									
	18.6	738	48.29	9000	1.1	KSTo5	MX1ooM6	52	KSTo5	TAM1oo	1ooL6	53		
	21	645	42.23	9000	1.3	KSTFo5	MX1ooM6	52	KSTFo5	TAM1oo	1ooL6	53		
	24	571	37.38	9000	1.4	KSTZo5	MX1ooM6	52	KSTZo5	TAM1oo	1ooL6	53		
	27	511	33.42	9000	1.6									
	30	460	30.12	9000	1.8									
	36	381	24.92	8660	2.2									
	43	321	21.03	8180	2.5									
	54	255	16.72	7580	3.2									
	71	195	12.73	6920	3.7									
	78	177	11.57	6700	3.9									
	24	577	58.78*	13000	2.7	KSTo6	MX9oL4	55	KSTo6	TAM9o	9oL4	56		
	27	506	51.56*	13000	3.1	KSTFo6	MX9oL4	55	KSTFo6	TAM9o	9oL4	56		
	31	450	45.79*	13000	3.4	KSTZo6	MX9oL4	55	KSTZo6	TAM9o	9oL4	56		
	34	403	41.06*	12470	3.8									

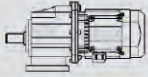


Leistungsparameter/ Performance Parameter

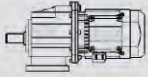


P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s									
							Page			Page		Page		
1.5	15.3	898	58.78*	13000	1.7	KSTo6	MX100M6	55	KSTo6	TAM100	100L6	56		
	17.5	788	51.56*	13000	2.0	KSTFo6	MX100M6	55	KSTFo6	TAM100	100L6	56		
	19.7	700	45.79*	13000	2.2	KSTZo6	MX100M6	55	KSTZo6	TAM100	100L6	56		
	22	627	41.06*	13000	2.5									
	24	567	37.13*	13000	2.7									
	29	473	30.94*	13000	3.3									
	34	402	26.30*	12460	3.9									
2.2	97	208	28.88*	3150	0.96	KSTo2	MX90L2	43	KSTo2	90B5/B14	90L2	44		
	117	172	23.85*	2960	1.2	KSTFo2	MX90L2	43	KSTFo2	90B5/B14	90L2	44		
	139	145	20.08*	2790	1.4	KSTZo2	MX90L2	43	KSTZo2	90B5/B14	90L2	44		
	189	107	14.81*	2520	1.9									
	212	95	13.21	2430	1.5									
	232	87	12.05	2350	2.3									
	282	72	9.93	2210	2.8									
	319	63	8.78	2120	1.9									
	379	53	7.39	2000	2.3									
	514	39	5.45	1810	2.5									
	632	32	4.43	1680	3.1									
	765	26	3.66	1580	3.0									
	64	315	43.75	5030	0.95	KSTo3	MX90L2	46	KSTo3	90B5/B14	90L2	47		
	72	279	38.73	4830	1.1	KSTFo3	MX90L2	46	KSTFo3	90B5/B14	90L2	47		
	81	249	34.62	4650	1.2	KSTZo3	MX90L2	46	KSTZo3	90B5/B14	90L2	47		
	99	204	28.30	4350	1.5									
	129	157	21.78	3990	1.8									
	162	125	17.33	3690	2.2									
	186	108	15.06	3530	2.4									
	226	89	12.37	3300	2.9									
	272	74	10.28	3100	3.2									
	353	57	7.93*	2850	3.2									
	444	45	6.31	2640	4.0									
	511	39	5.48	2520	3.8									
	64	314	21.78	5020	0.89	KSTo3	MX100M4	46	KSTo3	100B5/B14	100LA4	47		
	81	250	17.33	4660	1.1	KSTFo3	MX100M4	46	KSTFo3	100B5/B14	100LA4	47		
	93	217	15.06	4440	1.2	KSTZo3	MX100M4	46	KSTZo3	100B5/B14	100LA4	47		
	113	178	12.37	4160	1.5									
	136	148	10.28	3910	1.6									
	177	114	7.93*	3590	1.6									
	222	91	6.31	3320	2.0									
	255	79	5.48	3170	1.9									
	311	65	4.50	2970	2.3									
	374	54	3.74	2790	2.8									
	73	277	12.37	4820	0.94	KSTo3	MX112M6	46	KSTo3	112B5/B14	112M6	47		
	88	230	10.28	4530	1.0	KSTFo3	MX112M6	46	KSTFo3	112B5/B14	112M6	47		
	113	178	7.93*	4160	1.0	KSTZo3	MX112M6	46	KSTZo3	112B5/B14	112M6	47		
	143	141	6.31	3850	1.3									
	164	123	5.48	3670	1.2									
200	101	4.50	3440	1.5										
241	84	3.74	3230	1.8										
48	418	58.09	7500	1.2	KSTo4	MX90L2	49	KSTo4	90B5/B14	90L2	50			
56	360	50.02	7130	1.4	KSTFo4	MX90L2	49	KSTFo4	90B5/B14	90L2	50			
64	315	43.75	6820	1.6	KSTZo4	MX90L2	49	KSTZo4	90B5/B14	90L2	50			

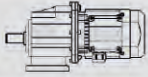
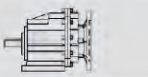

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s									
						Page	Page	Page						
2.2	72	279	38.73	6550	1.8	KSTo4	MX9oL2	49	KSTo4	9oB5/B14	9oL2	50		
	81	249	34.62	6310	2.0	KSTFo4	MX9oL2	49	KSTFo4	9oB5/B14	9oL2	50		
	99	204	28.30	5900	2.5	KSTZo4	MX9oL2	49	KSTZo4	9oB5/B14	9oL2	50		
	129	157	21.78	5410	3.1									
	162	125	17.33	5010	3.8									
	40	499	34.62	7950	1.0	KSTo4	MX1ooM4	49	KSTo4	1ooB5/B14	1ooLA4	50		
	49	408	28.30	7430	1.2	KSTFo4	MX1ooM4	49	KSTFo4	1ooB5/B14	1ooLA4	50		
	64	314	21.78	6810	1.5	KSTZo4	MX1ooM4	49	KSTZo4	1ooB5/B14	1ooLA4	50		
	81	250	17.33	6310	1.9									
	93	217	15.06	6020	2.1									
	113	178	12.37	5640	2.6									
	136	148	10.28	5300	3.0									
	177	114	7.93*	4860	2.3									
	222	91	6.31	4510	2.9									
	255	79	5.48	4300	2.9									
311	65	4.50	4030	3.5										
374	54	3.74	3780	3.7										
41	488	21.78	7890	1.0	KSTo4	MX112M6	49	KSTo4	112B5/B14	112M6	50			
52	388	17.33	7310	1.2	KSTFo4	MX112M6	49	KSTFo4	112B5/B14	112M6	50			
60	338	15.06	6980	1.4	KSTZo4	MX112M6	49	KSTZo4	112B5/B14	112M6	50			
73	277	12.37	6540	1.7										
88	230	10.28	6150	1.9										
113	178	7.93*	5640	1.5										
143	141	6.31	5220	1.8										
164	123	5.48	4980	1.9										
200	101	4.50	4660	2.3										
241	84	3.74	4390	2.4										
50	404	56.08	7770	2.0	KSTo5	MX9oL2	52	KSTo5	TAM9o	9oL2	53			
58	348	48.29	7390	2.4	KSTFo5	MX9oL2	52	KSTFo5	TAM9o	9oL2	53			
66	304	42.23	7070	2.7	KSTZo5	MX9oL2	52	KSTZo5	TAM9o	9oL2	53			
75	269	37.38	6790	3.0										
84	241	33.42	6540	3.4										
93	217	30.12	6320	3.8										
29	696	48.29	9000	1.2	KSTo5	MX1ooM4	52	KSTo5	TAM1oo	1ooLA4	53			
33	608	42.23	8910	1.3	KSTFo5	MX1ooM4	52	KSTFo5	TAM1oo	1ooLA4	53			
37	539	37.38	8550	1.5	KSTZo5	MX1ooM4	52	KSTZo5	TAM1oo	1ooLA4	53			
42	481	33.42	8240	1.7										
46	434	30.12	7960	1.9										
56	359	24.92	7470	2.3										
67	303	21.03	7060	2.7										
84	241	16.72	6540	3.4										
110	183	12.73	5970	3.9										
121	167	11.57	5780	4.1										
24	838	37.38	9000	0.98	KSTo5	MX112M6	52	KSTo5	TAM112	112M6	53			
27	749	33.42	9000	1.1	KSTFo5	MX112M6	52	KSTFo5	TAM112	112M6	53			
30	675	30.12	9000	1.2	KSTZo5	MX112M6	52	KSTZo5	TAM112	112M6	53			
36	558	24.92	8660	1.5										
43	471	21.03	8180	1.7										
54	375	16.72	7580	2.2										
71	285	12.73	6920	2.5										
78	259	11.57	6700	2.7										

Leistungsparameter/ Performance Parameter

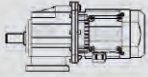

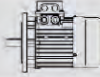
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						Page	Page	Page	Page	Page	Page			
2.2	90	225	10.02	6390	2.9	KSTo5	MX112M6	52	KSTo5	TAM112	112M6	53		
	103	195	8.72	6100	3.2	KSTFo5	MX112M6	52	KSTFo5	TAM112	112M6	53		
	118	171	7.62	5830	3.6	KSTZo5	MX112M6	52	KSTZo5	TAM112	112M6	53		
	143	141	6.31	5480	4.0									
	48	423	58.78*	11160	3.7	KSTo6	MX90L2	55	KSTo6	TAM90	90L2	56		
	54	371	51.56*	10680	4.2	KSTFo6	MX90L2	55	KSTFo6	TAM90	90L2	56		
						KSTZo6	MX90L2	55	KSTZo6	TAM90	90L2	56		
	24	847	58.78*	13000	1.8	KSTo6	MX100M4	55	KSTo6	TAM100	100LA4	56		
	27	743	51.56*	13000	2.1	KSTFo6	MX100M4	55	KSTFo6	TAM100	100LA4	56		
	31	660	45.79*	13000	2.3	KSTZo6	MX100M4	55	KSTZo6	TAM100	100LA4	56		
	34	592	41.06*	12470	2.6									
	38	535	37.13*	12060	2.9									
	45	446	30.94*	11350	3.5									
	53	379	26.30*	10750	4.1									
	15.3	1317	58.78*	13000	1.2	KSTo6	MX112M6	55	KSTo6	TAM112	112M6	56		
	17.5	1155	51.56*	13000	1.3	KSTFo6	MX112M6	55	KSTFo6	TAM112	112M6	56		
	19.7	1026	45.79*	13000	1.5	KSTZo6	MX112M6	55	KSTZo6	TAM112	112M6	56		
	22	920	41.06*	13000	1.7									
	24	832	37.13*	13000	1.9									
	29	693	30.94*	13000	2.2									
34	589	26.30*	12460	2.6										
43	474	21.17	11590	3.1										
54	374	16.68	10700	3.7										
60	337	15.03	10340	3.9										
3.0	99	278	28.30	4350	1.1	KSTo3	MX100M2	46	KSTo3	100B5/B14	100L2	47		
	129	214	21.78	3990	1.3	KSTFo3	MX100M2	46	KSTFo3	100B5/B14	100L2	47		
	162	170	17.33	3690	1.6	KSTZo3	MX100M2	46	KSTZo3	100B5/B14	100L2	47		
	186	148	15.06	3530	1.8									
	226	122	12.37	3300	2.1									
	272	101	10.28	3100	2.4									
	353	78	7.93*	2850	2.3									
	444	62	6.31	2640	2.9									
	511	54	5.48	2520	2.8									
	622	44	4.50	2350	3.4									
	749	37	3.74	2210	4.1									
	93	296	15.06	4440	0.88	KSTo3	MX100L4	46	KSTo3	100B5/B14	100LB4	47		
	113	243	12.37	4160	1.1	KSTFo3	MX100L4	46	KSTFo3	100B5/B14	100LB4	47		
	136	202	10.28	3910	1.2	KSTZo3	MX100L4	46	KSTZo3	100B5/B14	100LB4	47		
	177	156	7.93*	3590	1.2									
	222	124	6.31	3320	1.5									
	255	108	5.48	3170	1.4									
	311	88	4.50	2970	1.7									
	374	73	3.74	2790	2.0									
	81	340	34.62	6310	1.5	KSTo4	MX100M2	49	KSTo4	100B5/B14	100L2	50		
99	278	28.30	5900	1.8	KSTFo4	MX100M2	49	KSTFo4	100B5/B14	100L2	50			
129	214	21.78	5410	2.2	KSTZo4	MX100M2	49	KSTZo4	100B5/B14	100L2	50			
162	170	17.33	5010	2.8										
186	148	15.06	4780	3.1										
226	122	12.37	4480	3.8										
272	101	10.28	4210	4.4										
353	78	7.93*	3860	3.3										
444	62	6.31	3580	4.2										

P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s	 Page			  Page			
						Model	Page	Model	Model	Page		
3.0	49	556	28.30	7430	0.90	KSTo4	MX100L4	49	KSTo4	100B5/B14	100LB4	50
	64	428	21.78	6810	1.1	KSTFo4	MX100L4	49	KSTFo4	100B5/B14	100LB4	50
	81	340	17.33	6310	1.4	KSTZo4	MX100L4	49	KSTZo4	100B5/B14	100LB4	50
	93	296	15.06	6020	1.6							
	113	243	12.37	5640	1.9							
	136	202	10.28	5300	2.2							
	177	156	7.93*	4860	1.7							
	222	124	6.31	4510	2.1							
	255	108	5.48	4300	2.1							
	311	88	4.50	4030	2.6							
	374	73	3.74	3780	2.7							
		58	474	48.29	7390	1.7	KSTo5	MX100M2	52	KSTo5	TAM100	100L2
	66	415	42.23	7070	2.0	KSTFo5	MX100M2	52	KSTFo5	TAM100	100L2	53
	75	367	37.38	6790	2.2	KSTZo5	MX100M2	52	KSTZo5	TAM100	100L2	53
	84	328	33.42	6540	2.5							
	93	296	30.12	6320	2.8							
	112	245	24.92	5930	3.3							
	133	207	21.03	5600	3.9							
	33	830	42.23	8910	1.0	KSTo5	MX100L4	52	KSTo5	TAM100	100LB4	53
	37	734	37.38	8550	1.1	KSTFo5	MX100L4	52	KSTFo5	TAM100	100LB4	53
	42	657	33.42	8240	1.2	KSTZo5	MX100L4	52	KSTZo5	TAM100	100LB4	53
	46	592	30.12	7960	1.4							
	56	490	24.92	7470	1.7							
	67	413	21.03	7060	2.0							
	84	328	16.72	6540	2.5							
	110	250	12.73	5970	2.8							
	121	227	11.57	5780	3.0							
	140	197	10.02	5510	3.4							
	161	171	8.72	5260	3.7							
	30	920	30.12	9000	0.89	KSTo5	MX132S6	52	KSTo5	TAM132	132S6	53
	36	762	24.92	8660	1.1	KSTFo5	MX132S6	52	KSTFo5	TAM132	132S6	53
	43	643	21.03	8180	1.3	KSTZo5	MX132S6	52	KSTZo5	TAM132	132S6	53
	54	511	16.72	7580	1.6							
	71	389	12.73	6920	1.8							
	78	354	11.57	6700	2.0							
	90	306	10.02	6390	2.2							
	103	266	8.72	6100	2.4							
	118	233	7.62	5830	2.6							
	143	193	6.31	5480	2.9							
	165	167	5.47	5220	3.2							
	189	145	4.76*	4980	3.6							
	216	127	4.16	4770	3.9							
	48	577	58.78*	11160	2.7	KSTo6	MX100M2	55	KSTo6	TAM100	100L2	56
	54	506	51.56*	10680	3.1	KSTFo6	MX100M2	55	KSTFo6	TAM100	100L2	56
	61	450	45.79*	10270	3.4	KSTZo6	MX100M2	55	KSTZo6	TAM100	100L2	56
	68	403	41.06*	9900	3.8							
	24	1155	58.78*	13000	1.3	KSTo6	MX100L4	55	KSTo6	TAM100	100LB4	56
	27	1013	51.56*	13000	1.5	KSTFo6	MX100L4	55	KSTFo6	TAM100	100LB4	56
	31	900	45.79*	13000	1.7	KSTZo6	MX100L4	55	KSTZo6	TAM100	100LB4	56
	34	807	41.06*	12470	1.9							
	38	729	37.13*	12060	2.1							

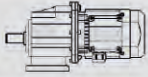

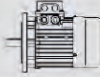
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							Page		Page		Page			
3.0	45	608	30.94*	11350	2.6	KSTo6	MX100L4	55	KSTo6	TAM100	100LB4	56		
	53	517	26.30*	10750	3.0	KSTFo6	MX100L4	55	KSTFo6	TAM100	100LB4	56		
	66	416	21.17	10000	3.6	KSTZo6	MX100L4	55	KSTZo6	TAM100	100LB4	56		
	84	328	16.68	9240	4.2									
	19.7	1399	45.79*	13000	1.1	KSTo6	MX132S6	55	KSTo6	TAM132	132S6	56		
	22	1255	41.06*	13000	1.2	KSTFo6	MX132S6	55	KSTFo6	TAM132	132S6	56		
	24	1135	37.13*	13000	1.4	KSTZo6	MX132S6	55	KSTZo6	TAM132	132S6	56		
	29	946	30.94*	13000	1.6									
	34	804	26.30*	12460	1.9									
	43	647	21.17	11590	2.3									
	54	510	16.68	10700	2.7									
	60	459	15.03	10340	2.9									
	68	403	13.18	9890	3.2									
	77	355	11.63*	9490	3.5									
87	315	10.31*	9120	3.8										
4.0	162	227	17.33	3690	1.2	KSTo3	MX112M2	46	KSTo3	112B5/B14	112M2	47		
	186	197	15.06	3530	1.3	KSTFo3	MX112M2	46	KSTFo3	112B5/B14	112M2	47		
	226	162	12.37	3300	1.6	KSTZo3	MX112M2	46	KSTZo3	112B5/B14	112M2	47		
	272	135	10.28	3100	1.8									
	353	104	7.93*	2850	1.7									
	444	83	6.31	2640	2.2									
	511	72	5.48	2520	2.1									
	622	59	4.50	2350	2.5									
	749	49	3.74	2210	3.1									
	136	269	10.28	3910	0.89	KSTo3	MX112M4	46	KSTo3	112B5/B14	112M4	47		
	177	208	7.93*	3590	0.87	KSTFo3	MX112M4	46	KSTFo3	112B5/B14	112M4	47		
	222	165	6.31	3320	1.1	KSTZo3	MX112M4	46	KSTZo3	112B5/B14	112M4	47		
	255	144	5.48	3170	1.0									
	311	118	4.50	2970	1.3									
	374	98	3.74	2790	1.5									
	81	453	34.62	6310	1.1	KSTo4	MX112M2	49	KSTo4	112B5/B14	112M2	50		
	99	371	28.30	5900	1.3	KSTFo4	MX112M2	49	KSTFo4	112B5/B14	112M2	50		
	129	285	21.78	5410	1.7	KSTZo4	MX112M2	49	KSTZo4	112B5/B14	112M2	50		
	162	227	17.33	5010	2.1									
	186	197	15.06	4780	2.3									
	226	162	12.37	4480	2.8									
	272	135	10.28	4210	3.3									
	353	104	7.93*	3860	2.5									
	444	83	6.31	3580	3.1									
	511	72	5.48	3410	3.2									
	622	59	4.50	3190	3.9									
	749	49	3.74	3000	4.1									
	81	454	17.33	6310	1.1	KSTo4	MX112M4	49	KSTo4	112B5/B14	112M4	50		
	93	394	15.06	6020	1.2	KSTFo4	MX112M4	49	KSTFo4	112B5/B14	112M4	50		
	113	324	12.37	5640	1.4	KSTZo4	MX112M4	49	KSTZo4	112B5/B14	112M4	50		
	136	269	10.28	5300	1.6									
	177	208	7.93*	4860	1.3									
	222	165	6.31	4510	1.6									
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	311	118	4.50	4030	2.0									
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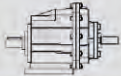
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								Page			Page			Page
4.0	58	632	48.29	7390	1.3	KST05	MX112M2	52	KST05	TAM112	112M2	53		
	66	553	42.23	7070	1.5	KSTF05	MX112M2	52	KSTF05	TAM112	112M2	53		
	75	490	37.38	6790	1.7	KSTZ05	MX112M2	52	KSTZ05	TAM112	112M2	53		
	84	438	33.42	6540	1.9									
	93	394	30.12	6320	2.1									
	112	326	24.92	5930	2.5									
	133	275	21.03	5600	2.9									
	167	219	16.72	5190	3.7									
	42	875	33.42	8240	0.94	KST05	MX112M4	52	KST05	TAM112	112M4	53		
	46	789	30.12	7960	1.0	KSTF05	MX112M4	52	KSTF05	TAM112	112M4	53		
	56	653	24.92	7470	1.3	KSTZ05	MX112M4	52	KSTZ05	TAM112	112M4	53		
	67	551	21.03	7060	1.5									
	84	438	16.72	6540	1.8									
	110	333	12.73	5970	2.1									
	121	303	11.57	5780	2.3									
	140	262	10.02	5510	2.5									
	161	228	8.72	5260	2.8									
	184	200	7.62	5030	3.1									
	222	165	6.31	4730	3.4									
	256	143	5.47	4510	3.8									
	48	770	58.78*	11160	2.0	KST06	MX112M2	55	KST06	TAM112	112M2	56		
	54	675	51.56*	10680	2.3	KSTF06	MX112M2	55	KSTF06	TAM112	112M2	56		
	61	600	45.79*	10270	2.6	KSTZ06	MX112M2	55	KSTZ06	TAM112	112M2	56		
	68	538	41.06*	9900	2.9									
	75	486	37.13*	9570	3.2									
	90	405	30.94*	9010	3.8									
	24	1540	58.78*	13000	1.0	KST06	MX112M4	55	KST06	TAM112	112M4	56		
	27	1351	51.56*	13000	1.1	KSTF06	MX112M4	55	KSTF06	TAM112	112M4	56		
	31	1199	45.79*	13000	1.3	KSTZ06	MX112M4	55	KSTZ06	TAM112	112M4	56		
	34	1076	41.06*	12470	1.4									
	38	973	37.13*	12060	1.6									
	45	810	30.94*	11350	1.9									
	53	689	26.30*	10750	2.2									
	66	555	21.17	10000	2.7									
	84	437	16.68	9240	3.2									
	93	394	15.03	8920	3.4									
106	345	13.18	8540	3.7										
120	305	11.63*	8190	4.0										
5.5	75	673	37.38	6790	1.2	KST05	MX132S2	52	KST05	TAM132	132SA2	46		
	84	602	33.42	6540	1.4	KSTF05	MX132S2	52	KSTF05	TAM132	132SA2	46		
	93	542	30.12	6320	1.5	KSTZ05	MX132S2	52	KSTZ05	TAM132	132SA2	46		
	112	449	24.92	5930	1.8									
	133	379	21.03	5600	2.1									
	167	301	16.72	5190	2.7									
	220	229	12.73	4740	3.1									
	242	208	11.57	4590	3.3									
	279	180	10.02	4380	3.7									
	321	157	8.72	4180	4.0									
	56	898	24.92	7470	0.91	KST05	MX132S4	52	KST05	TAM132	132S4	53		
	67	757	21.03	7060	1.1	KSTF05	MX132S4	52	KSTF05	TAM132	132S4	53		
	84	602	16.72	6540	1.3	KSTZ05	MX132S4	52	KSTZ05	TAM132	132S4	53		

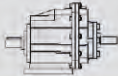
Leistungsparameter/ Performance Parameter

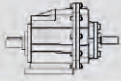
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s	 Page			  Page				
5.5	110	458	12.83	5970	1.5	KST05	MX132S4	52	KST05	TAM132	132S4	53	
	121	417	11.57	5780	1.7	KSTF05	MX132S4	52	KSTF05	TAM132	132S4	53	
	140	361	10.02	5510	1.8	KSTZ05	MX132S4	52	KSTZ05	TAM132	132S4	53	
	161	314	8.72	5260	2.0								
	184	274	7.62	5030	2.2								
	222	227	6.31	4730	2.5								
	256	197	5.47	4510	2.7								
	294	171	4.76*	4300	3.0								
	337	150	4.16	4110	3.3								
	48	1059	58.78*	11160	1.5	KST06	MX132S2	55	KST06	TAM132	132SA2	56	
	61	825	45.79*	10270	1.9	KSTF06	MX132S2	55	KSTF06	TAM132	132SA2	56	
	68	739	41.06*	9900	2.1	KSTZ06	MX132S2	55	KSTZ06	TAM132	132SA2	56	
	75	669	37.13*	9570	2.3								
	90	557	30.94*	9010	2.8								
	106	474	26.30*	8530	3.3								
	132	381	21.17	7940	3.9								
	31	1649	45.79*	13000	0.94	KST06	MX132S4	55	KST06	TAM132	132S4	56	
	34	1479	41.06*	12470	1.0	KSTF06	MX132S4	55	KSTF06	TAM132	132S4	56	
	38	1337	37.13*	12060	1.2	KSTZ06	MX132S4	55	KSTZ06	TAM132	132S4	56	
	45	1114	30.94*	11350	1.4								
	53	947	26.30*	10750	1.6								
	66	762	21.17	10000	2.0								
	84	601	16.68	9240	2.3								
	93	541	15.03	8920	2.5								
	106	475	13.18	8540	2.7								
	120	419	11.63*	8190	2.9								
	136	371	10.31*	7870	3.2								
	159	317	8.81	7470	3.7								
	174	290	8.04	7240	4.0								
	198	254	7.06	6930	4.1								
	7.5	84	821	16.72	6540	1.0	KST05	MX132M4	52	KST05	TAM132	132MA4	53
		110	625	12.73	5970	1.1	KSTF05	MX132M4	52	KSTF05	TAM132	132MA4	53
		121	568	11.57	5780	1.2	KSTZ05	MX132M4	52	KSTZ05	TAM132	132MA4	53
140		492	10.02	5510	1.3								
161		428	8.72	5260	1.5								
184		374	7.62	5030	1.6								
222		310	6.31	4730	1.8								
256		269	5.47	4510	2.0								
294		234	4.76*	4300	2.2								
337		204	4.16	4110	2.4								
45		1520	30.94*	11350	1.0	KST06	MX132M4	55	KST06	TAM132	132MA4	56	
53		1292	26.30*	10750	1.2	KSTF06	MX132M4	55	KSTF06	TAM132	132MA4	56	
66		1040	21.17	10000	1.4	KSTZ06	MX132M4	55	KSTZ06	TAM132	132MA4	56	
84		819	16.68	9240	1.7								
93		738	15.03	8920	1.8								
106		647	13.18	8540	2.0								
120		571	11.63*	8190	2.2								
136		506	10.31*	7870	2.4								
159		433	8.81	7470	2.7								
174		395	8.04	7240	2.9								
198		347	7.06	6930	3.0								

Leistungsparameter/ Performance Parameter

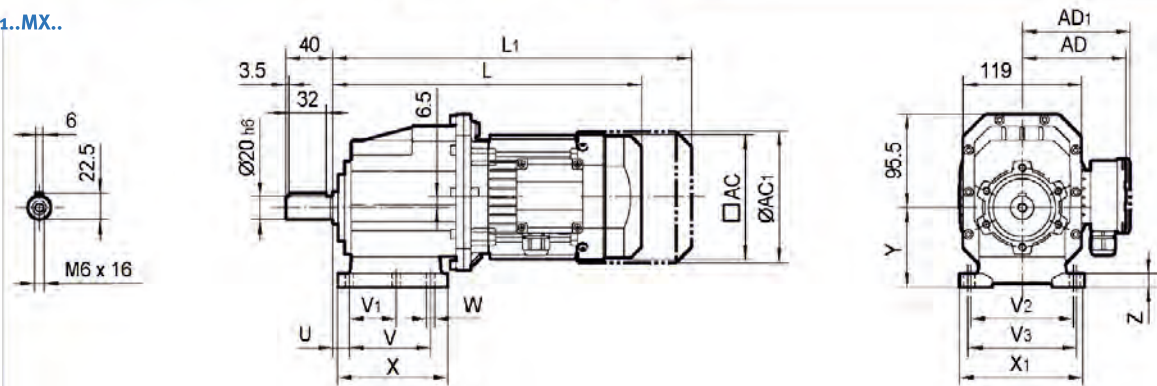
P _{1n} [kW]	n ₂ [r/min]	M _{2n} [Nm]	i	F _{r2} [N]	f _s	 Page			  Page			
7.5	225	306	6.23*	6650	3.3	KSTo6	MX132M4	55	KSTo6	TAM132	132MA4	56
	254	271	5.52	6390	3.5	KSTFo6	MX132M4	55	KSTFo6	TAM132	132MA4	56
	297	231	4.71	6060	3.9	KSTZo6	MX132M4	55	KSTZo6	TAM132	132MA4	56
9.2	121	697	11.57	5780	1.0	KSTo5	MX132ML4	52	KSTo5	TAM132	132MB4	53
	140	604	10.02	5510	1.1	KSTFo5	MX132ML4	52	KSTFo5	TAM132	132MB4	53
	161	525	8.72	5260	1.2	KSTZo5	MX132ML4	52	KSTZo5	TAM132	132MB4	53
	184	459	7.62	5030	1.3							
	222	380	6.31	4730	1.5							
	256	330	5.47	4510	1.6							
	294	287	4.76*	4300	1.8							
	337	251	4.16	4110	2.0							
	53	1584	26.30*	10750	0.98	KSTo6	MX132ML4	55				
	66	1275	21.17	10000	1.2	KSTFo6	MX132ML4	55				
	84	1005	16.68	9240	1.4	KSTZo6	MX132ML4	55				
	93	906	15.03	8920	1.5	KSTo6	MX132ML4	55	KSTo6	TAM132	132MB4	56
	106	794	13.18	8540	1.6	KSTFo6	MX132ML4	55	KSTFo6	TAM132	132MB4	56
	120	701	11.63*	8190	1.8	KSTZo6	MX132ML4	55	KSTZo6	TAM132	132MB4	56
	136	621	10.31*	7870	1.9							
	159	531	8.81	7470	2.2							
	174	484	8.04	7240	2.4							
	198	425	7.06	6930	2.5							
	225	375	6.23*	6650	2.7							
	254	333	5.52	6390	2.9							
	297	284	4.71	6060	3.2							
11	140	722	10.02	5510	0.91	KSTo5	MX160M4	52				
	161	628	8.72	5260	1.0	KSTFo5	MX160M4	52				
	184	549	7.62	5030	1.1	KSTZo5	MX160M4	52				
	222	455	6.31	4730	1.2							
	256	394	5.47	4510	1.4							
	294	343	4.76*	4300	1.5							
	337	300	4.16	4110	1.7							
	66	1525	21.17	10000	0.98	KSTo6	MX160M4	55	KSTo6	TAM160	160M4	56
	84	1202	16.68	9240	1.1	KSTFo6	MX160M4	55	KSTFo6	TAM160	160M4	56
	93	1083	15.03	8920	1.2	KSTZo6	MX160M4	55	KSTZo6	TAM160	160M4	56
	106	949	13.18	8540	1.3							
	120	838	11.63*	8190	1.5							
	136	743	10.31*	7870	1.6							
	159	635	8.81	7470	1.9							
	174	579	8.04	7240	2.0							
198	509	7.06	6930	2.1								
225	449	6.23*	6650	2.2								
254	398	5.52	6390	2.4								
297	339	4.71	6060	2.7								

M _{2max} [Nm]	n ₂ [r/min]	i	P _{1n} [kW]	n ₁ [r/min]	F _{r2}	F _{r1}		Page	
120	26.3	53.33	0.34	1400	2600	800	KST01-HS	42	
120	30.5	45.89	0.40	1400	2600	800		KSTF01-HS	42
120	34.9	40.10	0.46	1400	2600	800		KSTZ01-HS	42
120	39.5	35.47	0.52	1400	2560	800			
120	49.1	28.50	0.64	1400	2380	800			
120	59.4	23.56	0.78	1400	2230	800			
120	70.6	19.83	0.92	1400	2100	800			
90	78.4	17.86	0.77	1400	2030	800			
120	95.8	14.62	1.25	1400	1900	800			
90	101	13.80	1.00	1400	1860	800			
120	118	11.90	1.54	1400	1770	800			
120	143	9.81	1.87	1400	1660	800			
80	153	9.17	1.33	1400	1630	800			
80	181	7.72	1.58	1400	1540	800			
70	246	5.69	1.88	1400	1390	800			
70	302	4.63	2.31	1400	1290	800			
70	366	3.82	2.80	1400	1210	800			
200	25.9	54.00	0.57	1400	4500	800	KST02-HS	45	
200	30.1	46.46	0.66	1400	4500	800		KSTF02-HS	45
200	34.5	40.60	0.75	1400	4500	800		KSTZ02-HS	45
200	39.0	35.91	0.85	1400	4270	800			
200	48.5	28.88	1.06	1400	3970	800			
200	58.7	23.85	1.28	1400	3730	800			
200	69.7	20.08	1.52	1400	3520	800			
140	81.9	17.10	1.25	1400	3330	800			
200	94.5	14.81	2.06	1400	3180	800			
140	106	13.21	1.62	1400	3060	800			
200	116	12.05	2.53	1400	2970	800			
200	141	9.93	3.08	1400	2780	800			
120	159	8.78	2.09	1400	2670	800			
120	189	7.39	2.48	1400	2520	800			
100	257	5.45	2.80	1400	2280	800			
100	316	4.43	3.45	1400	2120	800			
80	383	3.66	3.34	1400	1990	800			
300	24.1	58.09	0.79	1400	6000	1200	KST03-HS	48	
300	28.0	50.02	0.92	1400	6000	1200		KSTF03-HS	48
300	32.0	43.75	1.05	1400	6000	1200		KSTZ03-HS	48
300	36.10	38.73	1.18	1400	6000	1200			
300	40.4	34.62	1.32	1400	5860	1200			
300	49.5	28.30	1.62	1400	5480	1200			
280	64.3	21.78	1.96	1400	5020	1200			
280	81	17.33	2.47	1400	4660	1200			
260	93	15.06	2.64	1400	4440	1200			
260	113	12.37	3.21	1400	4160	1200			
240	136	10.28	3.57	1400	3910	1200			
180	177	7.93	3.47	1400	3590	1200			
180	222	6.31	4.36	1400	3320	1200			
150	255	5.48	4.18	1400	3170	1200			
150	311	4.50	5.09	1400	2970	1200			
150	374	3.74	6.12	1400	2790	1200			

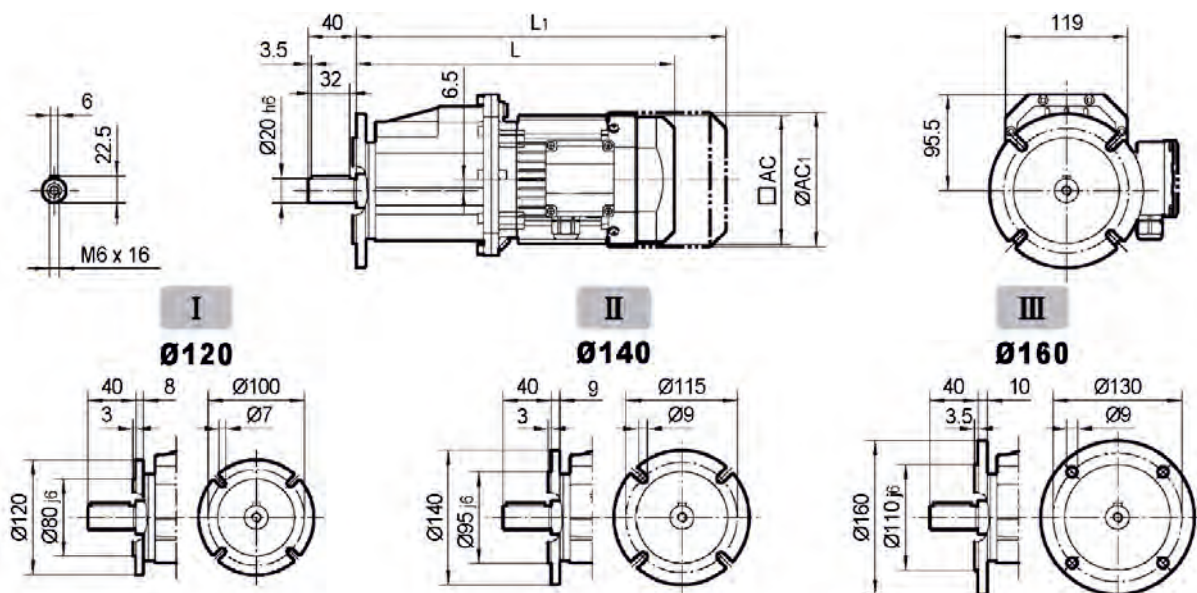
M_{2max} [Nm]	n_2 [r/min]	i	P_{1n} [kW]	n_1 [r/min]	F_{r2}	F_{r1}		Page
500	24.1	58.09	1.31	1400	8000	1200	KSTo4-HS	51
500	28.0	50.02	1.53	1400	8000	1200	KSTFo4-HS	51
500	32.0	43.75	1.75	1400	8000	1200	KSTZo4-HS	51
500	36.1	38.73	1.97	1400	8000	1200		
500	40.4	34.62	2.21	1400	7950	1200		
500	49.5	28.30	2.70	1400	7430	1200		
480	64.3	21.78	3.37	1400	6810	1200		
480	81	17.33	4.23	1400	6310	1200		
460	93	15.06	4.66	1400	6020	1200		
460	113	12.37	5.68	1400	5640	1200		
440	136	10.28	6.54	1400	5300	1200		
260	177	7.93	5.01	1400	4860	1200		
260	222	6.31	6.29	1400	4510	1200		
230	255	5.48	6.41	1400	4300	1200		
230	311	4.50	7.80	1400	4030	1200		
200	374	3.74	8.17	1400	3780	1200		
820	25.0	56.08	2.33	1400	9000	1200	KSTo5-HS AD2	54
820	29.0	48.29	2.59	1400	9000	1200	KSTF5-HS AD2	54
820	33.2	42.23	2.97	1400	8910	1200	KSTZ5-HS AD2	54
820	37.5	37.38	3.35	1400	8550	1600	KSTo5-HS AD3	54
820	41.9	33.42	3.75	1400	8240	1600	KSTF5-HS AD3	54
820	46.5	30.12	4.16	1400	7960	1600	KSTZ5-HS AD3	54
820	56.2	24.92	5.02	1400	7470	1600		
810	66.6	21.03	5.88	1400	7060	1600		
810	83.7	16.72	7.40	1400	6540	1600		
710	110	12.73	8.52	1400	5970	1600	KSTo5-HS AD4	54
690	121	11.57	9.11	1400	5780	3000	KSTF5-HS AD4	54
660	140	10.02	10.1	1400	5510	3000	KSTZ5-HS AD4	54
630	161	8.72	11.0	1400	5260	3000		
610	184	7.62	12.2	1400	5030	3000		
560	222	6.31	13.6	1400	4730	3000		
540	256	5.47	15.1	1400	4510	3000		
520	294	4.76	16.7	1400	4300	3000		
500	337	4.16	18.4	1400	4110	3000		
1550	23.8	58.78	4.20	1400	13000	1200	KSTo6-HS AD2	57
1550	27.2	51.56	4.59	1400	13000	1200	KSTFo6-HS AD2	57
							KSTZo6-HS AD2	57
1550	30.6	45.79	5.17	1400	13000	1600	KSTo6-HS AD3	57
1550	34.1	41.06	5.76	1400	12470	1600	KSTFo6-HS AD3	57
1550	37.7	37.13	6.37	1400	12060	1600	KSTZo6-HS AD3	57
1550	45.2	30.94	7.65	1400	11350	1800		
1550	53.2	26.30	9.00	1400	10750	1800		
1490	66.1	21.17	10.7	1400	10000	1800		
1380	83.9	16.68	12.6	1400	9240	3000		

M_{2max} [Nm]	n_2 [r/min]	i	P_{1n} [kW]	n_1 [r/min]	F_{r2}	F_{r1}		Page
1330	93.1	15.03	13.5	1400	8920	3000	KSTo6-HS AD4	57
1270	106	13.18	14.7	1400	8540	3000	KSTFo6-HS AD4	57
1230	120	11.63	16.2	1400	8190	3000	KSTZo6-HS AD4	57
1200	136	10.31	17.8	1400	7870	3000		
1180	159	8.81	20.5	1400	7470	3000		
1150	174	8.04	21.8	1400	7240	3000		
1050	198	7.06	22.7	1400	6930	3000		
1000	225	6.23	24.5	1400	6650	3000		
950	254	5.52	26.3	1400	6390	3000		
900	297	4.71	29.2	1400	6060	3000		

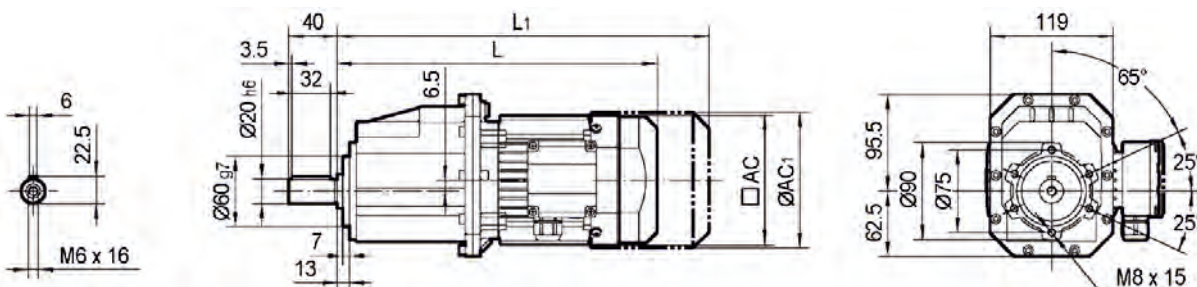
KST01..MX..



KSTF01..MX..



KSTZ01..MX..

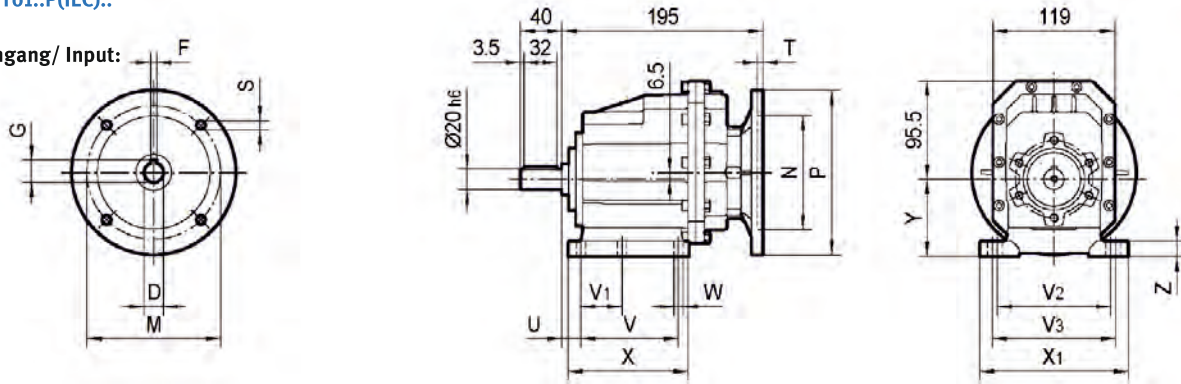


Motor Type	L	L1	AC	AC1	AD	AD1
MX63	305	360	132	132	105	105
MX71	320	384	134	148	122	127
MX80	355	419	134	148	122	127
MX90	386	471	182	203	154	161

Fuß Code Foot code	U	V	V1	V2	V3	W	X	X1	Y	Z
B01	18	87	50	110	-	9	118	130	85	15
M01	18	80	-	110	120	9	118	145	75	15
B02	18	107.5	60	130	-	11	136	155	95	17
M02	25	85	-	110	120	9	112	145	75	15

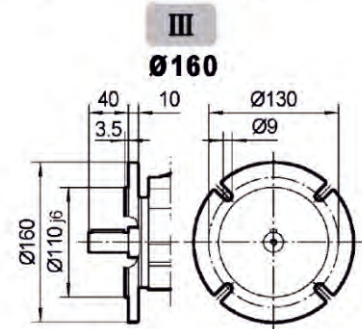
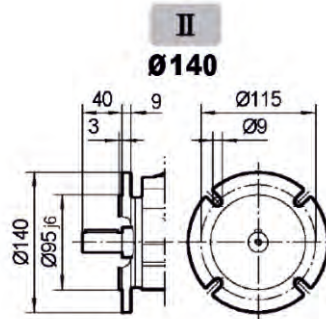
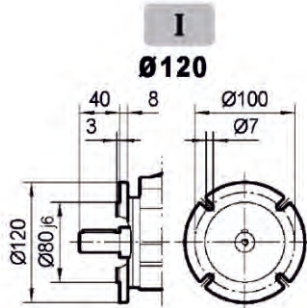
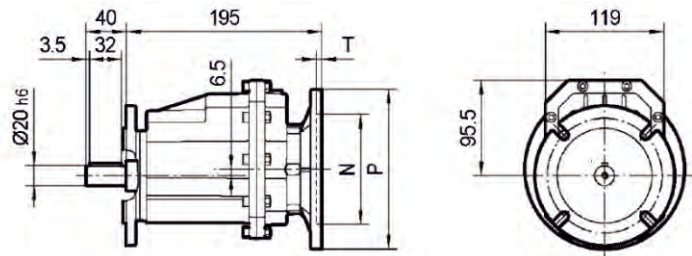
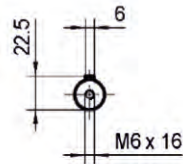
KSTo1..P(IEC)..

Eingang/ Input:

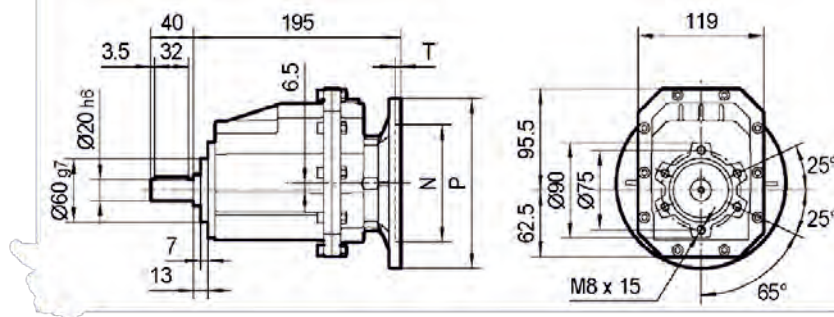


KSTFo1..P(IEC)..

Ausgang/ Output:



KSTZo1..P(IEC)..

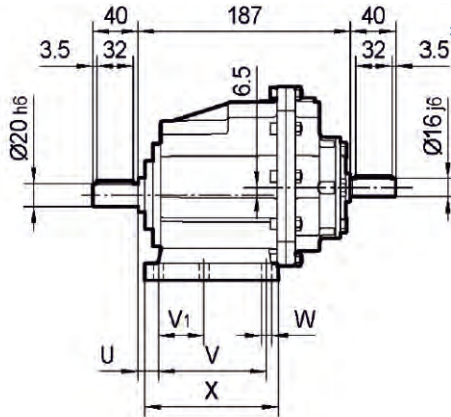
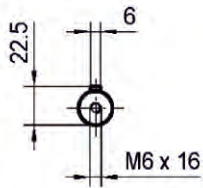


IEC	D (E8)	F	G	P	M	N	S	T
P63B5	11	4	12.8	140	115	95	9	4
P71B5	14	5	16.3	160	130	110	9	4
P71B14	14	5	16.3	105	85	70	7	4
P80B5	19	6	21.8	200	165	130	11	4
P80B14	19	6	21.8	120	100	80	7	4
P90B5	24	8	27.3	200	165	130	11	4
P90B14	24	8	27.3	140	115	95	9	4

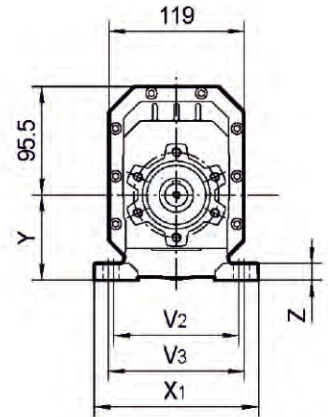
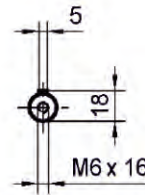
Fuß Code Foot code	U	V	V1	V2	V3	W	X	X1	Y	Z
B01	18	87	50	110	-	9	118	130	85	15
M01	18	80	-	110	120	9	118	145	75	15
B02	18	107.5	60	130	-	11	136	155	95	17
M02	25	85	-	110	120	9	112	145	75	15

KST01..HS..

Ausgang/ Output

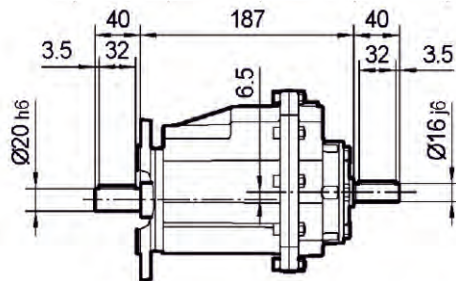
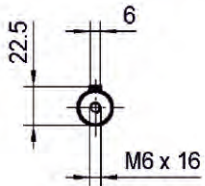


Eingang/ Input:

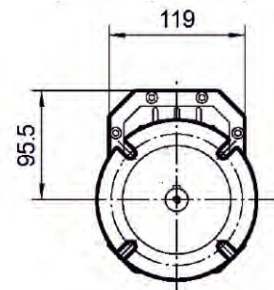
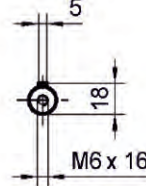


KSTF01..HS..

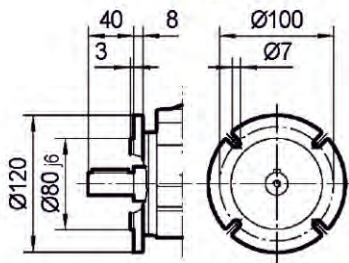
Ausgang/ Output:



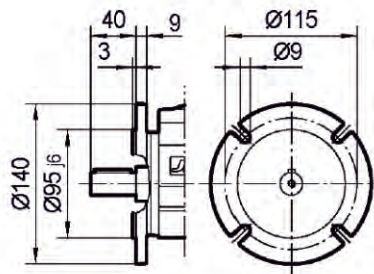
Eingang/ Input:



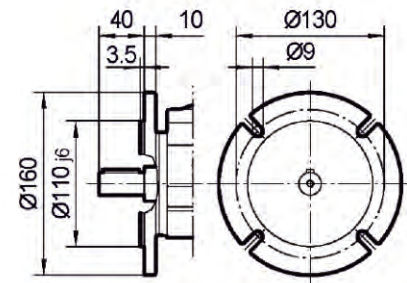
I
Ø120



II
Ø140

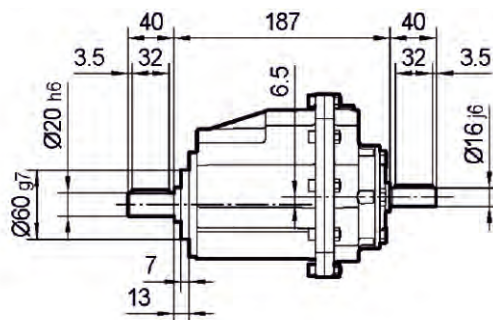
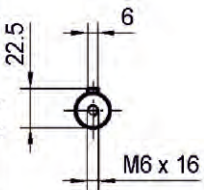


III
Ø160

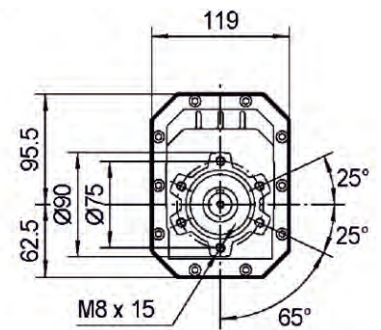
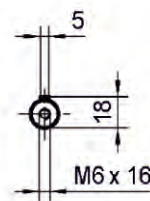


KSTZ01..HS..

Ausgang/ Output:



Eingang/ Input:

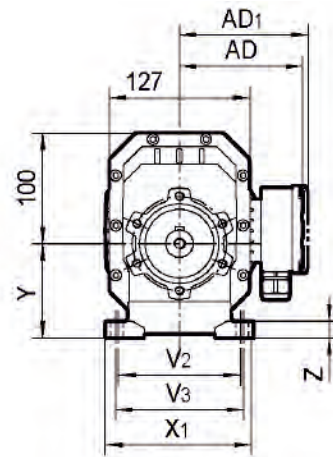
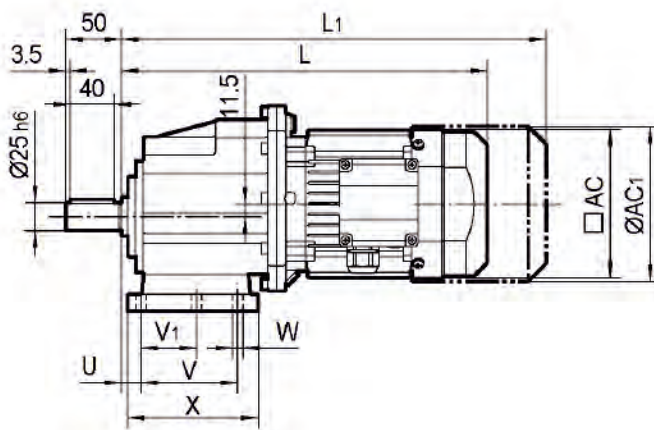
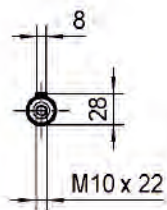


Fuß Code Foot code	U	V	V1	V2	V3	W	X	X1	Y	Z
B01	18	87	50	110	-	9	118	130	85	15
M01	18	80	-	110	120	9	118	145	75	15
B02	18	107.5	60	130	-	11	136	155	95	17
M02	25	85	-	110	120	9	112	145	75	15

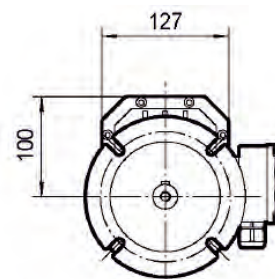
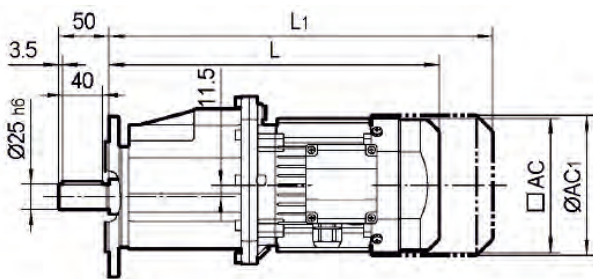
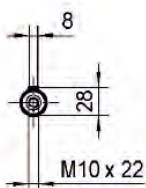
Maßblatt / Outline Dimension Sheet

KST..o2..MX

KSTo2..MX..

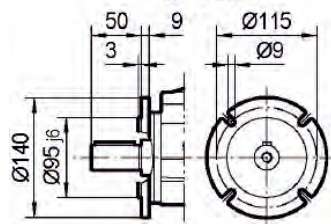


KSTFo2..MX..



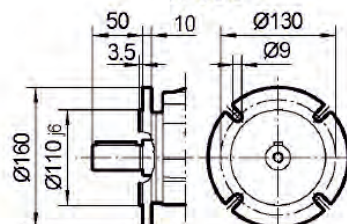
I

Ø140



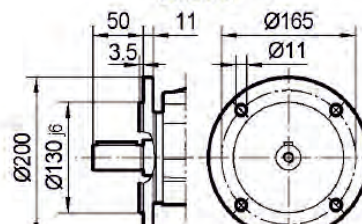
II

Ø160

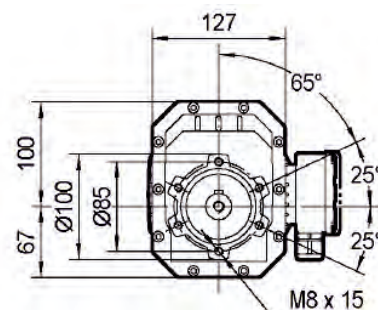
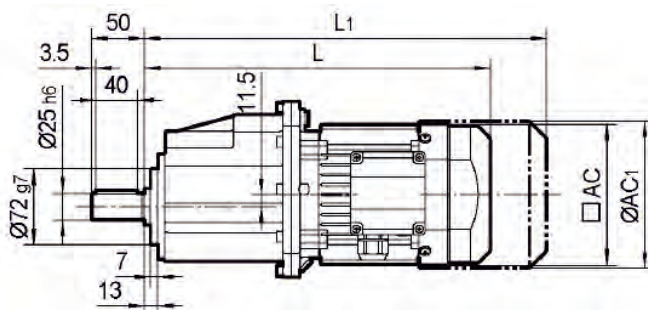


III

Ø200



KSTZo2..MX..

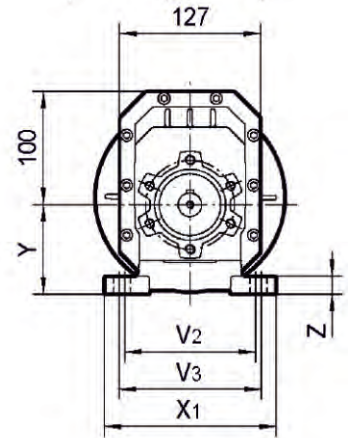
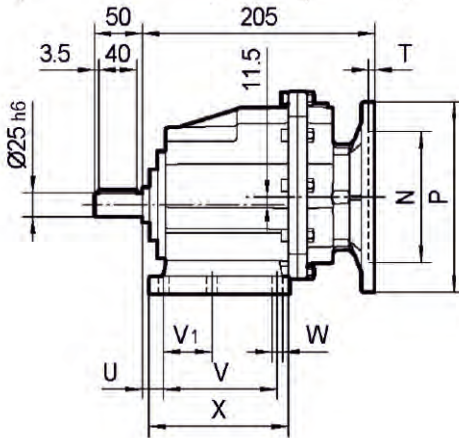
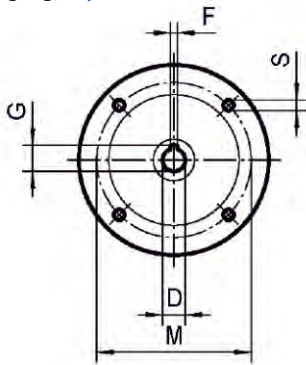


Motor Type	L	L1	AC	AC1	AD	AD1
MX63	315	370	132	132	105	105
MX71	330	394	134	148	122	127
MX80	365	429	134	148	122	127
MX90	396	481	182	203	154	161

Fuß Code Foot code	U	V	V1	V2	V3	W	X	X1	Y	Z
B01	18	87	50	110	-	9	118	130	90	15
M01	18	80	-	110	120	9	118	145	80	15
B02	18	107.5	60	130	-	11	136	155	100	17
M02	25	85	-	110	120	9	112	145	80	15

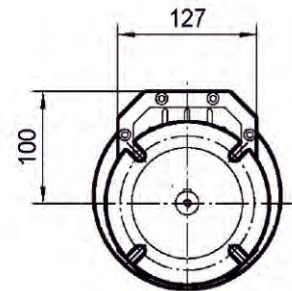
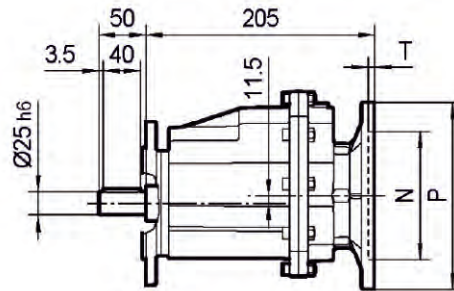
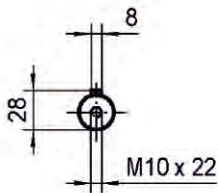
KSTo2..P(IEC)..

Eingang / Input:



KSTFo2..P(IEC)..

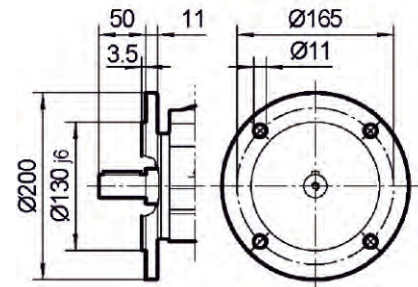
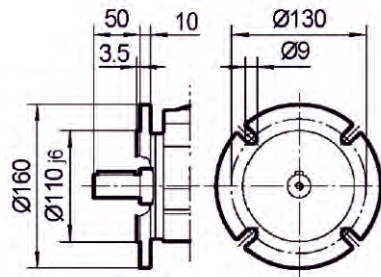
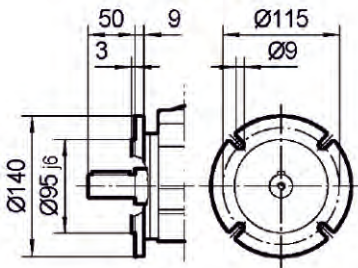
Ausgang / Output:



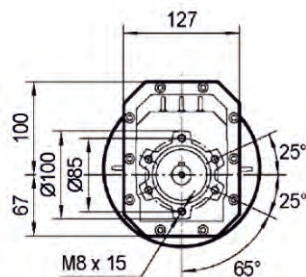
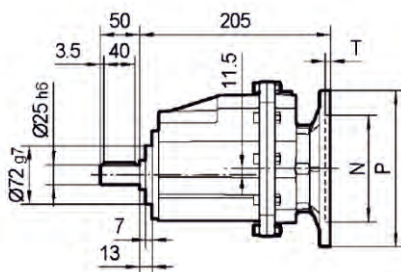
I
Ø140

II
Ø160

III
Ø200



KSTZo2..P(IEC)..

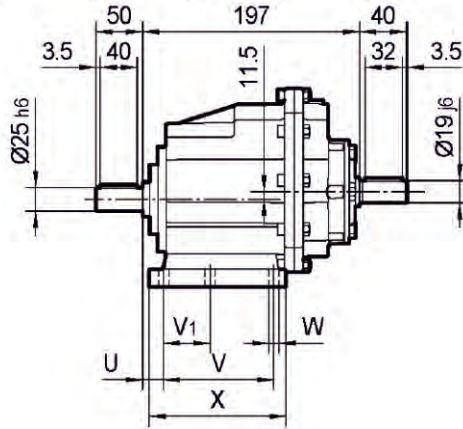
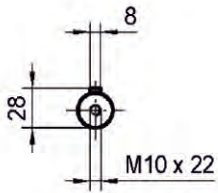


IEC	D (E8)	F	G	P	M	N	S	T
P63B5	11	4	12.8	140	115	95	9	4
P71B5	14	5	16.3	160	130	110	9	4
P71B14	14	5	16.3	105	85	70	7	4
P80B5	19	6	21.8	200	165	130	11	4
P80B14	19	6	21.8	120	100	80	7	4
P90B5	24	8	27.3	200	165	130	11	4
P90B14	24	8	27.3	140	115	95	9	4

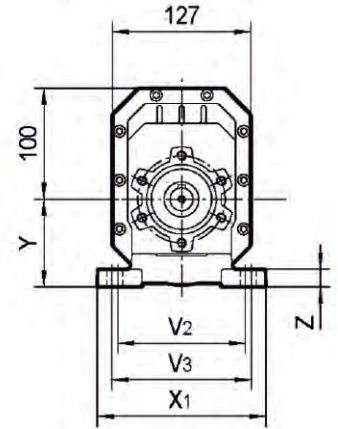
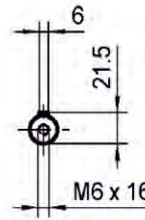
Fuß Code Foot code	U	V	V1	V2	V3	W	X	X1	Y	Z
B01	18	87	50	110	-	9	118	130	90	15
M01	18	80	-	110	120	9	118	145	80	15
B02	18	107.5	60	130	-	11	136	155	100	17
M02	25	85	-	110	120	9	112	145	80	15

KSTo2..HS..

Ausgang / Output:

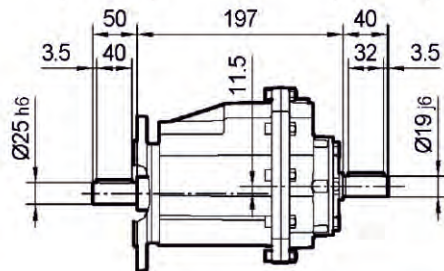
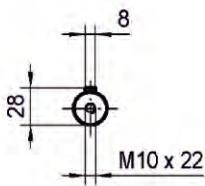


Eingang / Input:

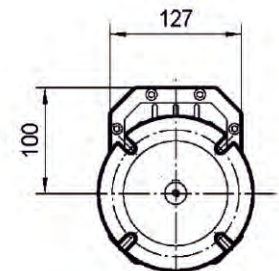
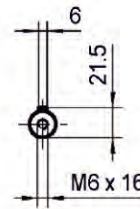


KSTFo2..HS..

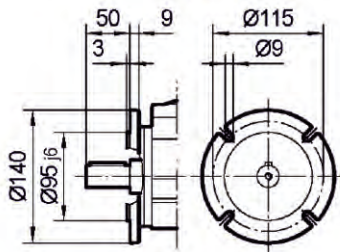
Ausgang / Output:



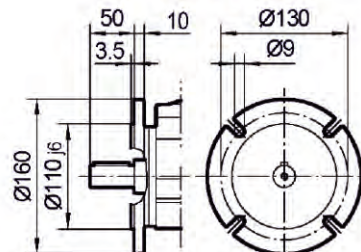
Eingang / Input:



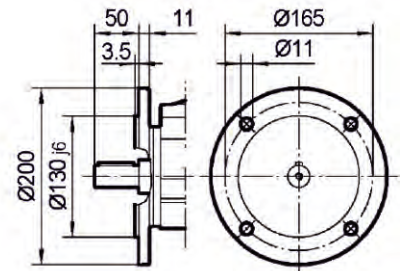
I
Ø140



II
Ø160

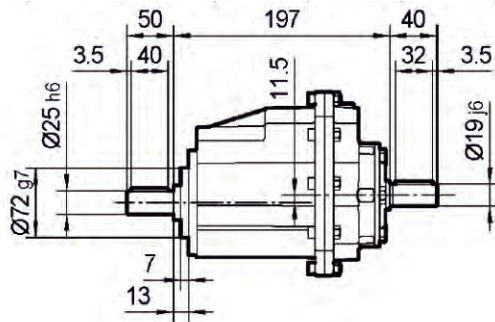
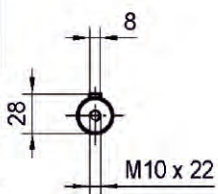


III
Ø200

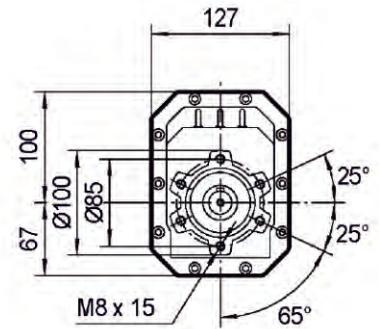
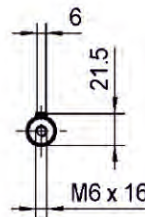


KSTZo2..HS..

Ausgang / Output:

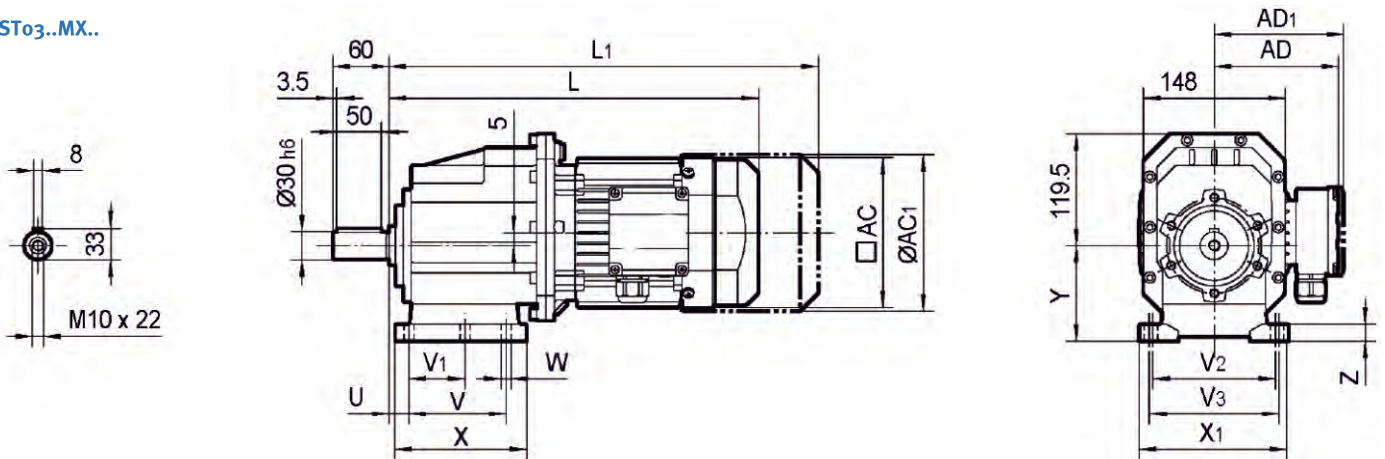


Eingang / Input:

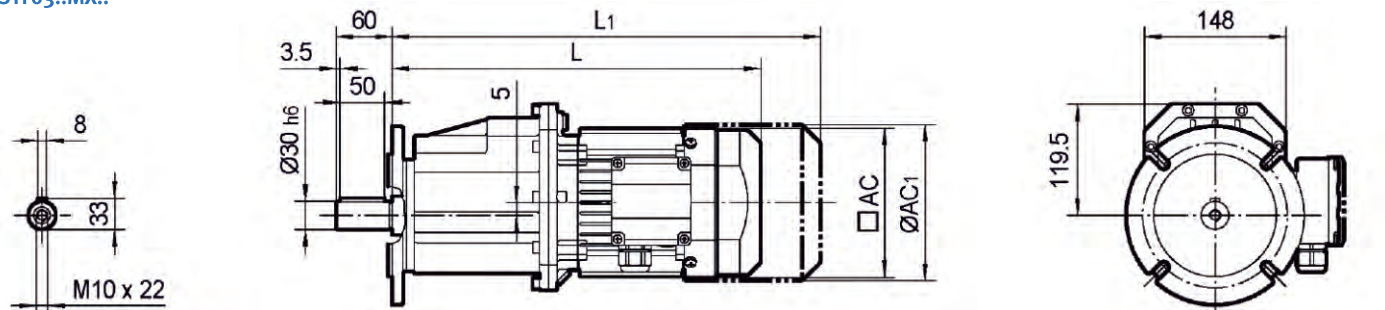


Fuß Code Foot code	U	V	V1	V2	V3	W	X	X1	Y	Z
B01	18	87	50	110	-	9	118	130	90	15
M01	18	80	-	110	120	9	118	145	80	15
B02	18	107.5	60	130	-	11	136	155	100	17
M02	25	85	-	110	120	9	112	145	80	15

KSTo3..MX..



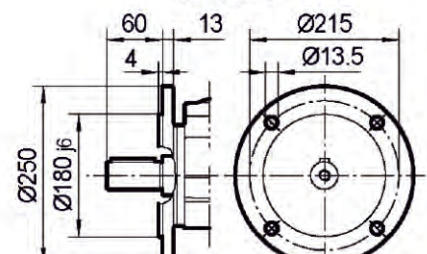
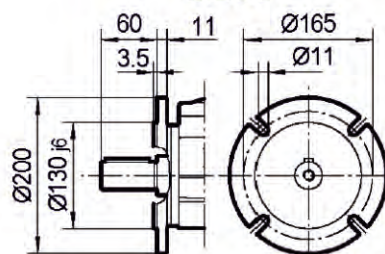
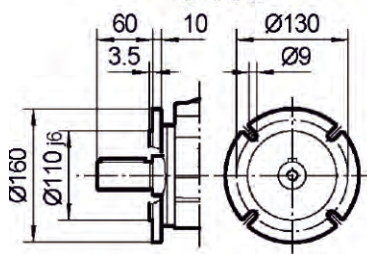
KSTFo3..MX..



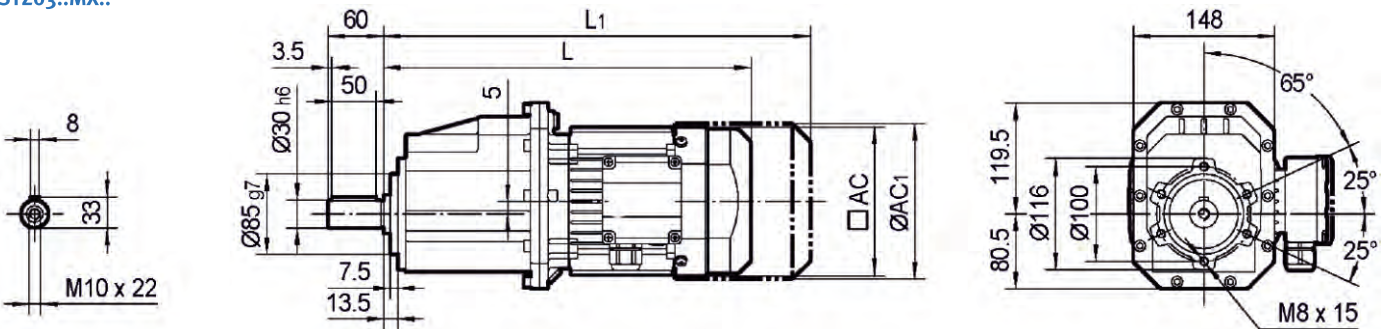
I
Ø160

II
Ø200

III
Ø250



KSTZo3..MX..

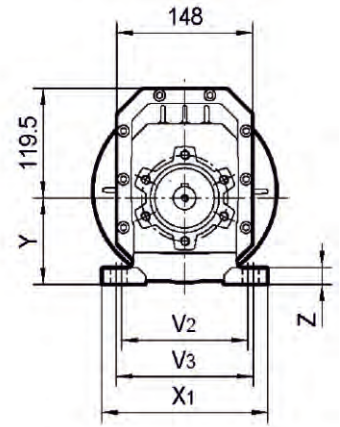
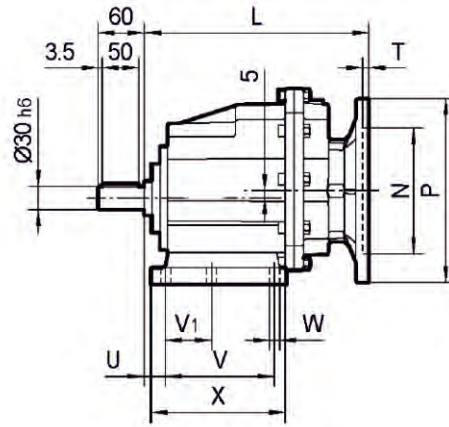
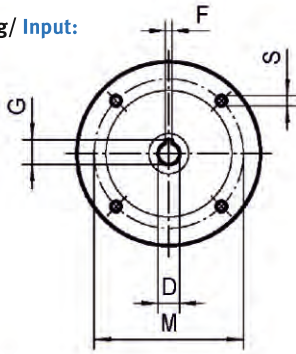


Motor Type	L	L1	AC	AC1	AD	AD1
MX71	345	409	134	148	122	127
MX80	380	444	134	148	122	127
MX90	411	496	182	203	154	161
MX100M	451	536	182	203	154	161
MX100L	481	566	182	203	154	161
MX112	492	572	206	221	179	182

Fuß Code Foot code	U	V	V1	V2	V3	W	X	X1	Y	Z
B03	18	130	70	160	-	11	156	190	110	20
M03	30	100	-	135	150	11	150	190	110	18
B04	20.5	130	-	170	-	14	168	205	105	20
M04	32	110	-	170	185	14	150	230	110	20

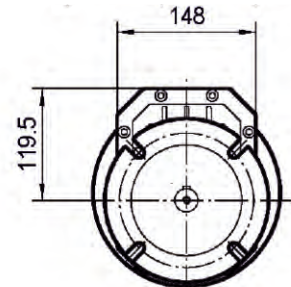
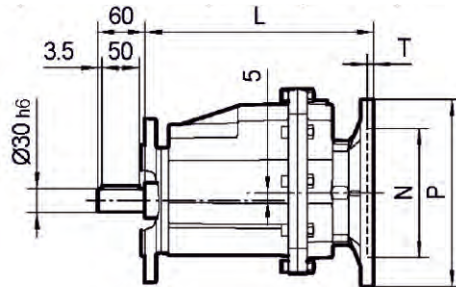
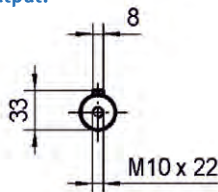
KSTo3..P(IEC)..

Eingang/ Input:



KSTFo3..P(IEC)..

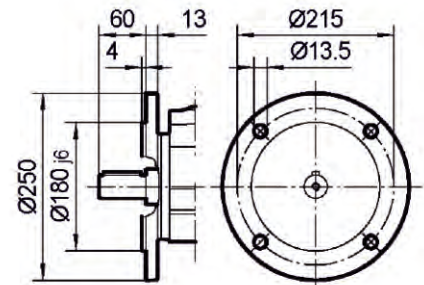
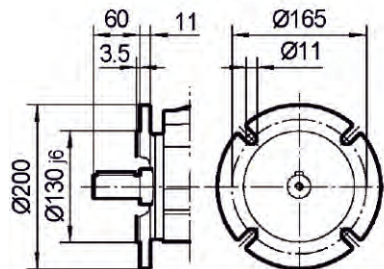
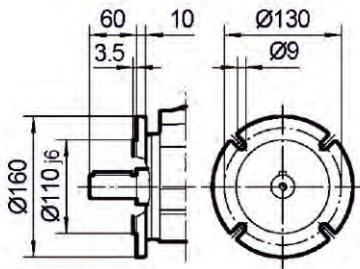
Ausgang/ Output:



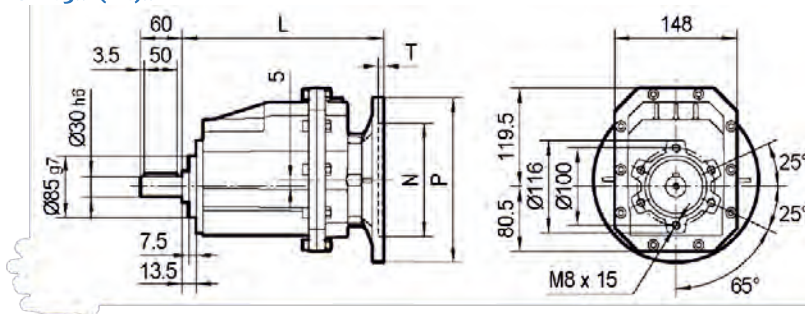
I
Ø160

II
Ø200

III
Ø250



KSTZo3..P(IEC)..

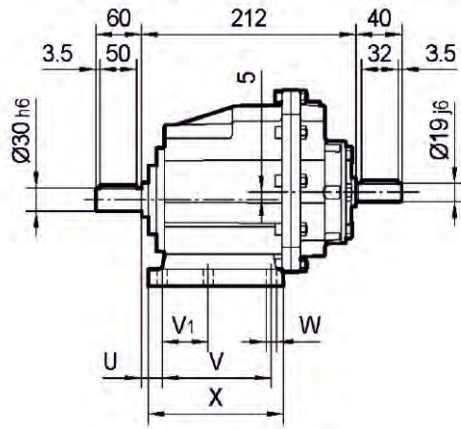
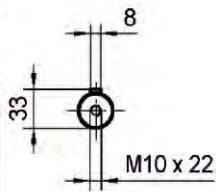


IEC	D (E8)	F	G	L	P	M	N	S	T
P71B5	14	5	16.3	220	160	130	110	9	4
P80B5	19	6	21.8	220	200	165	130	11	4
P80B14	19	6	21.8	220	120	100	80	7	4
P90B5	24	8	27.3	220	200	165	130	11	4
P90B14	24	8	27.3	200	140	115	95	9	4
P100/112B5	28	8	31.3	237	250	215	180	13.5	4.5
P100/112B14	28	8	31.3	237	160	130	110	9	4.5

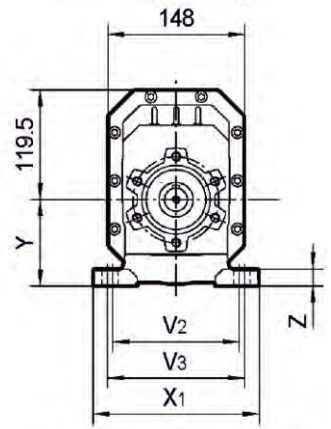
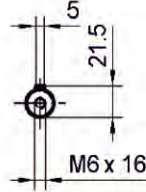
Fuß Code Foot code	U	V	V1	V2	V3	W	X	X1	Y	Z
B03	18	130	70	160	-	11	156	190	110	20
M03	30	100	-	135	150	11	150	190	110	18
B04	20.5	130	-	170	-	14	168	205	105	20
M04	32	110	-	170	185	14	150	230	110	20

KSTo3..HS..

Ausgang / Output:

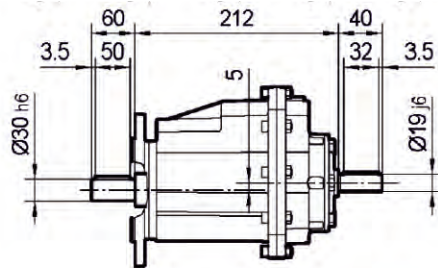
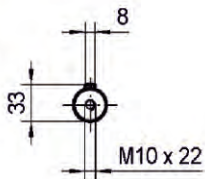


Eingang / Input:

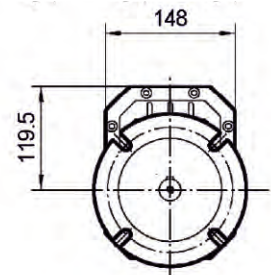
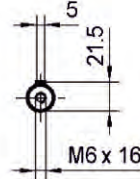


KSTFo3..HS..

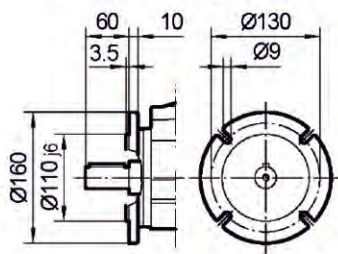
Ausgang / Output:



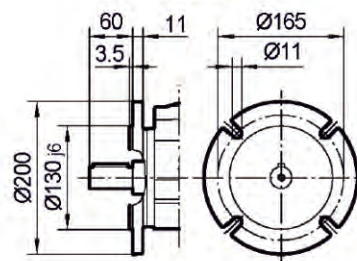
Eingang / Input:



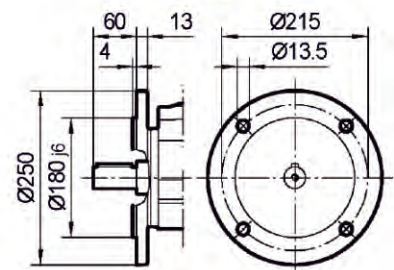
I
Ø160



II
Ø200

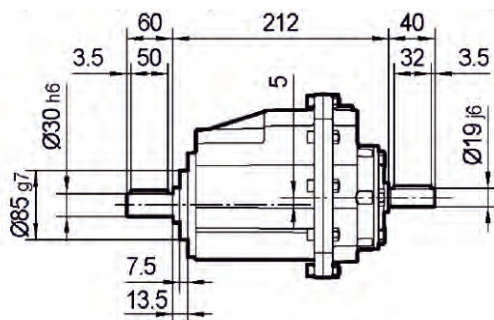
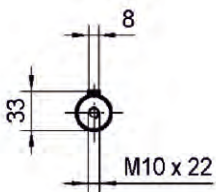


III
Ø250

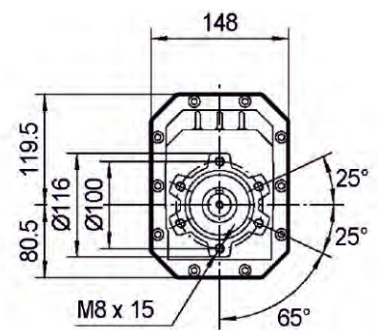
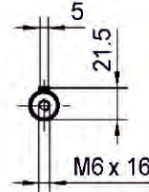


KSTZo3..HS..

Ausgang / Output:

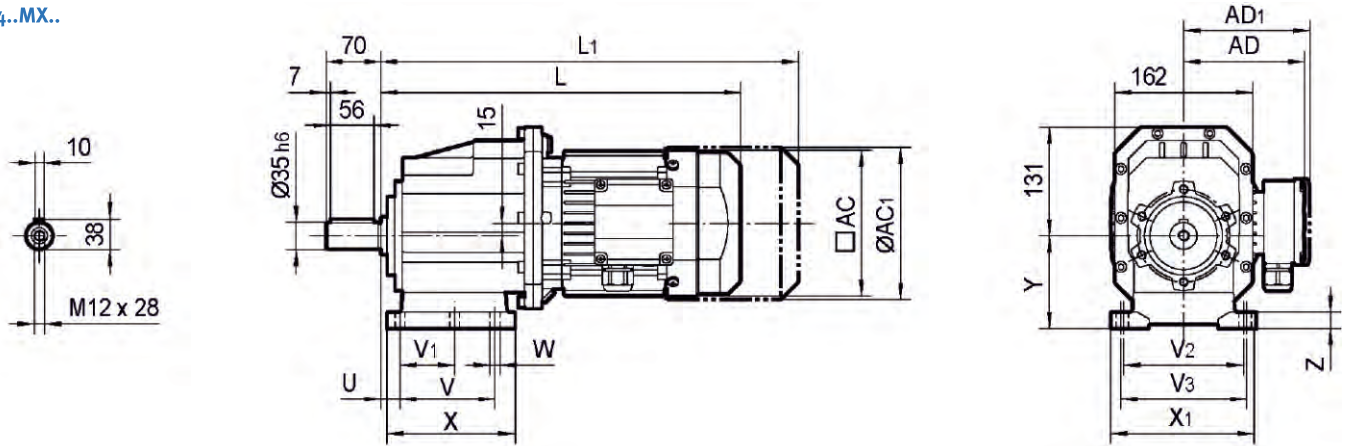


Eingang / Input:

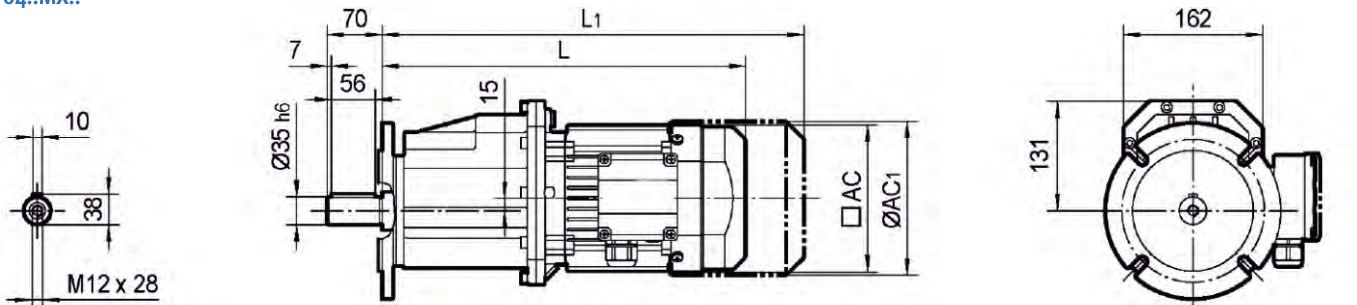


Fuß Code Foot code	U	V	V ₁	V ₂	V ₃	W	X	X ₁	Y	Z
B03	18	130	70	160	-	11	156	190	110	20
M03	30	100	-	135	150	11	150	190	110	18
B04	20.5	130	-	170	-	14	168	205	105	20
M04	32	110	-	170	185	14	150	230	110	20

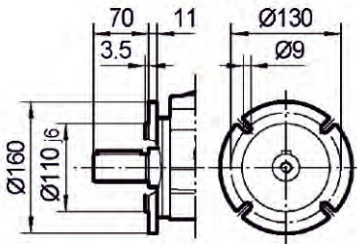
KSTo4..MX..



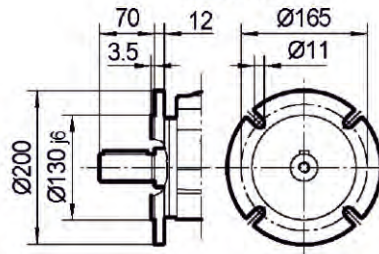
KSTFo4..MX..



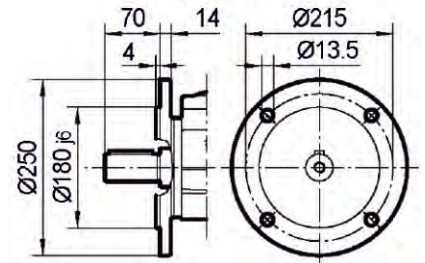
I
Ø160



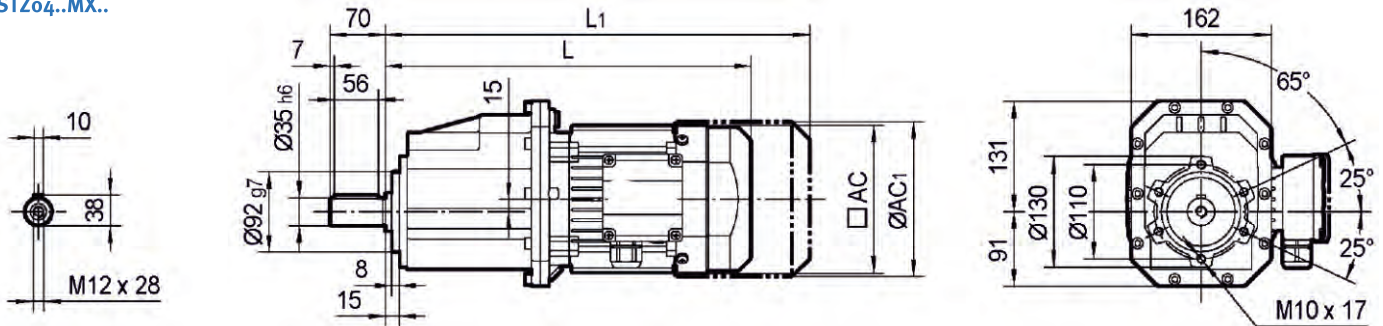
II
Ø200



III
Ø250



KSTZ04..MX..

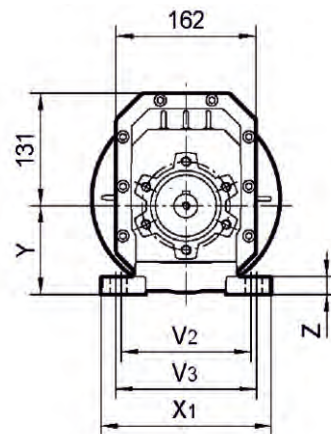
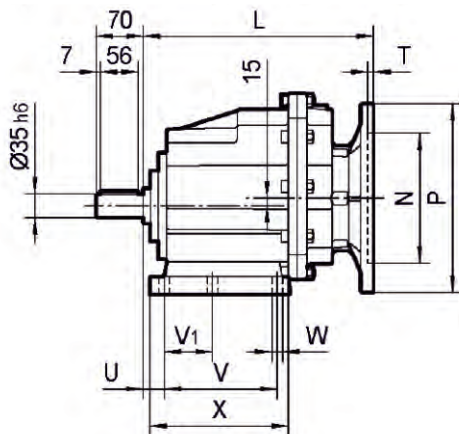
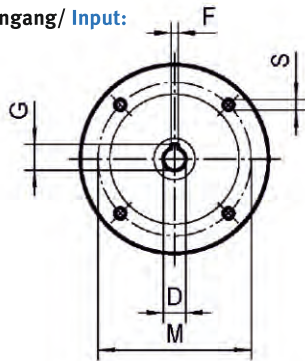


Motor Type	L	L1	AC	AC1	AD	AD1
MX80	393	457	134	148	122	127
MX90	424	509	182	203	154	161
MX100M	464	549	182	203	154	161
MX100L	494	579	182	203	154	161
MX112	505	585	206	221	179	182

Fuß Code Foot code	U	V	V1	V2	V3	W	X	X1	Y	Z
B03	21	130	70	160	-	11	156	190	120	20
M03	33	100	-	135	150	11	150	190	120	18
B04	23.5	130	-	170	-	14	168	205	115	20
M04	35	110	-	170	185	14	150	230	120	20
B05	19.5	149.5	-	180	-	14	185	215	130	20

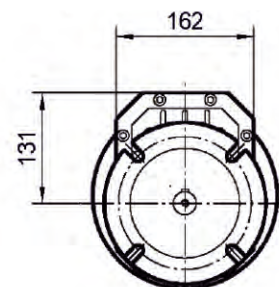
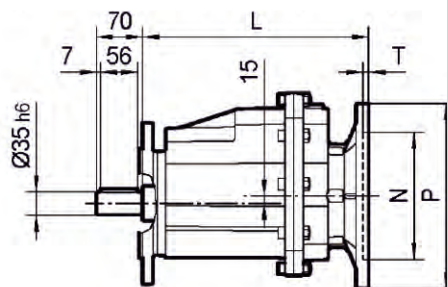
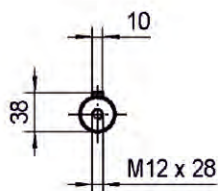
KSTo4..P(IEC)..

Eingang / Input:



KSTFo4..P(IEC)..

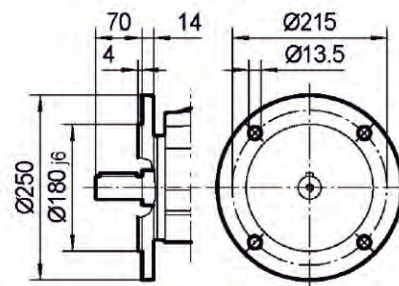
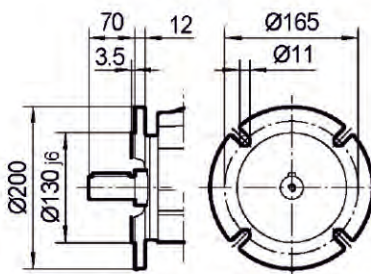
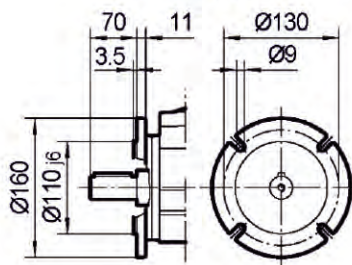
Ausgang / Output:



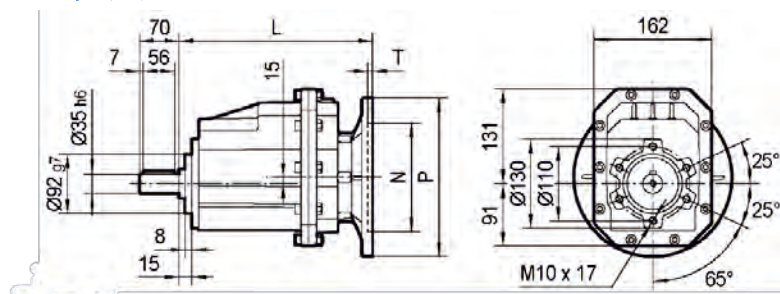
I
Ø160

II
Ø200

III
Ø250



KSTZo4..P(IEC)..

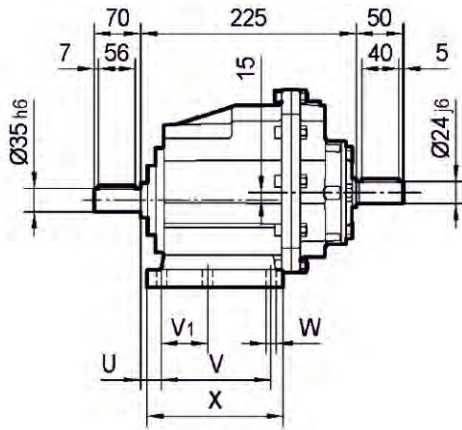
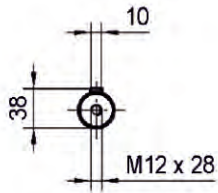


IEC	D (E8)	F	G	L	P	M	N	S	T
P80B5	19	6	21.8	233	200	165	130	11	4
P80B14	19	6	21.8	233	120	100	80	7	4
P90B5	24	8	27.3	233	200	165	130	11	4
P90B14	24	8	27.3	233	140	115	95	9	4
P100/112B5	28	8	31.3	250	250	215	180	13.5	4.5
P100/112B14	28	8	31.3	250	160	130	110	9	4.5

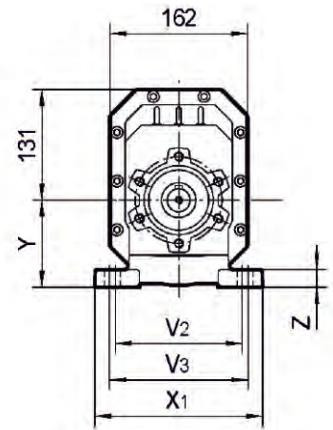
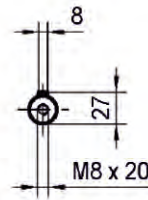
Fuß Code Foot code	U	V	V1	V2	V3	W	X	X1	Y	Z
B03	21	130	70	160	-	11	156	190	120	20
M03	33	100	-	135	150	11	150	190	120	18
B04	23.5	130	-	170	-	14	168	205	115	20
M04	35	110	-	170	185	14	150	230	120	20
B05	19.5	149.5	-	180	-	14	185	215	130	20

KSTo4..HS..

Ausgang / Output:

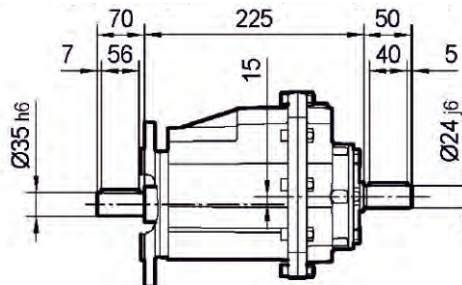
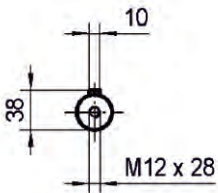


Eingang / Input:

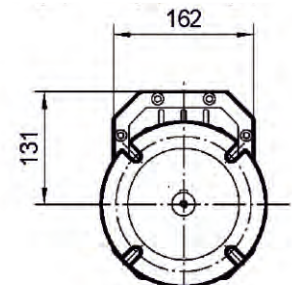
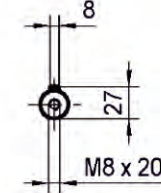


KSTFo4..HS..

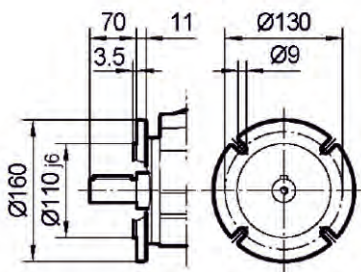
Ausgang / Output:



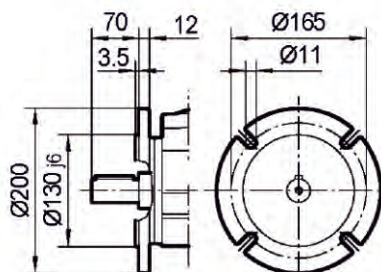
Eingang / Input:



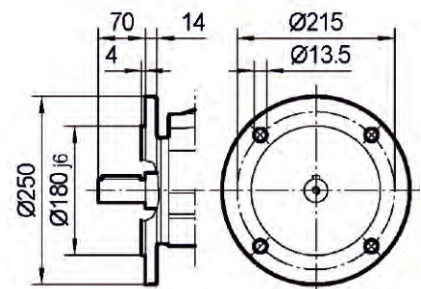
I
Ø160



II
Ø200

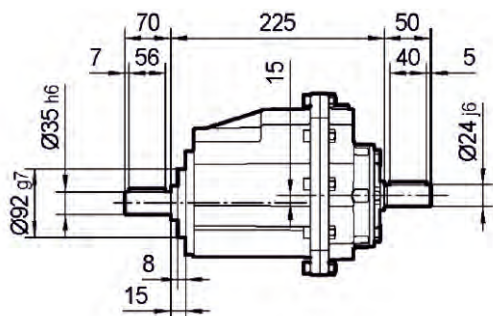
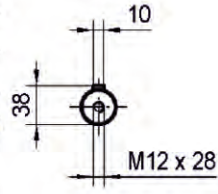


III
Ø250

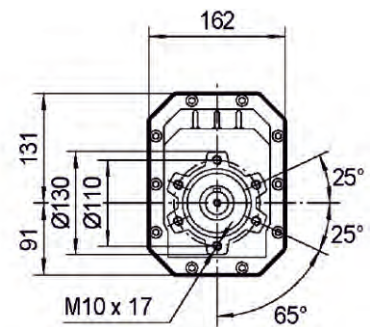
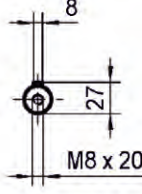


KSTZo4..HS..

Ausgang / Output:

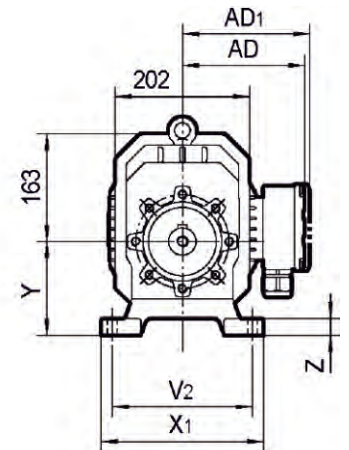
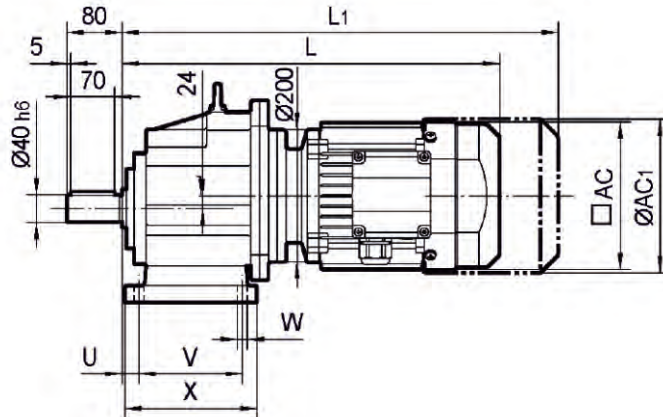
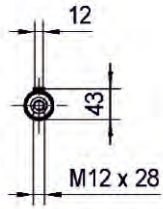


Eingang / Input:

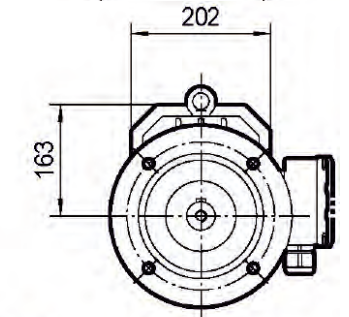
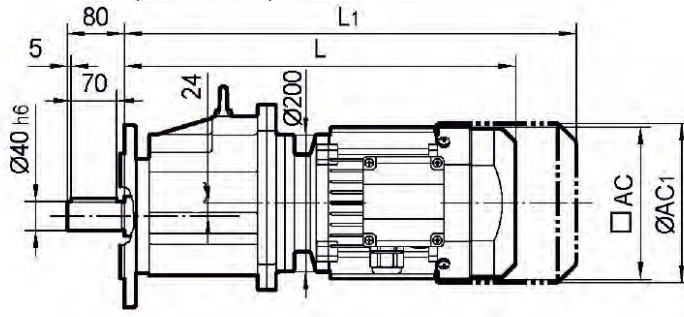
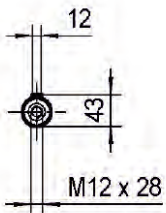


Fuß Code Foot code	U	V	V ₁	V ₂	V ₃	W	X	X ₁	Y	Z
B03	21	130	70	160	-	11	156	190	120	20
M03	33	100	-	135	150	11	150	190	120	18
B04	23.5	130	-	170	-	14	168	205	115	20
M04	35	110	-	170	185	14	150	230	120	20
B05	19.5	149.5	-	180	-	14	185	215	130	20

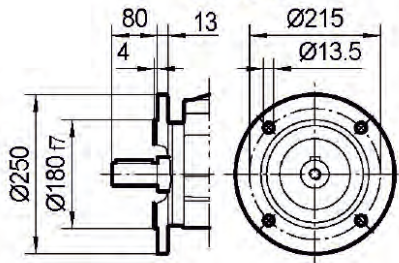
KSTo5..MX..



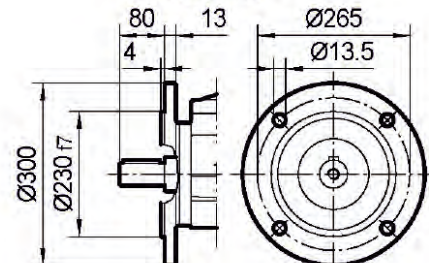
KSTFo5..MX..



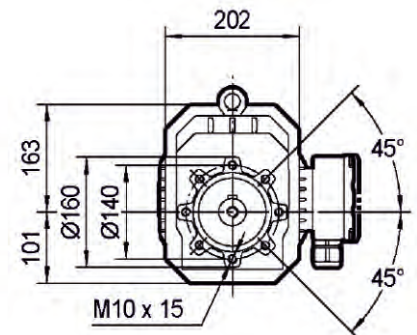
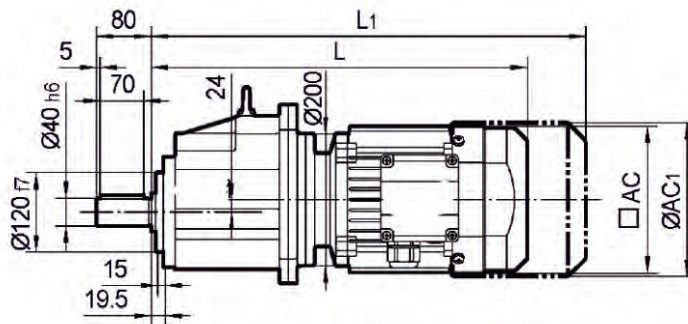
I
Ø250



II
Ø300



KSTZ05..MX..

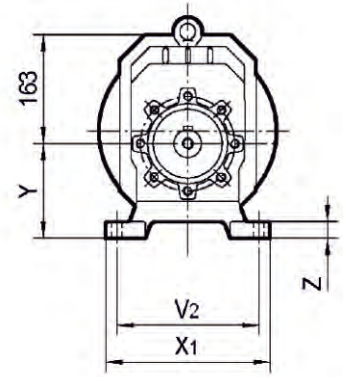
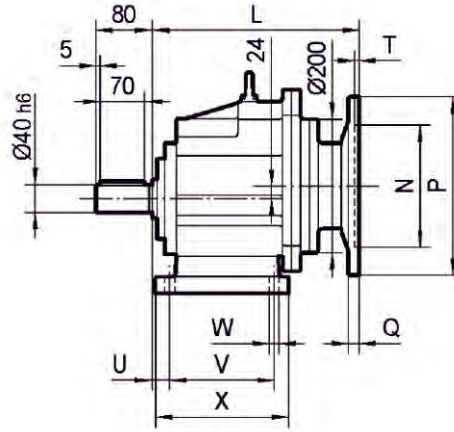
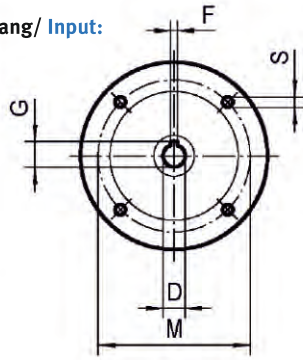


Motor Type	L	L1	AC	AC1	AD	AD1
MX90	477	562	182	203	154	161
MX100M	517	602	182	203	154	161
MX100L	547	632	182	203	154	161
MX112	561	641	206	221	179	182
MX132S	606	686	206	221	179	182
MX132M	628	740	252	221	230	230
MX132ML	688	800	252	275	230	230
MX160M	688	800	252	275	230	230

Fuß Code Foot code	U	V	V1	V2	V3	W	X	X1	Y	Z
B0501	25	156	-	225	-	18	200	270	155	22
R0502	35	205	-	170	-	17.5	245	220	140	20

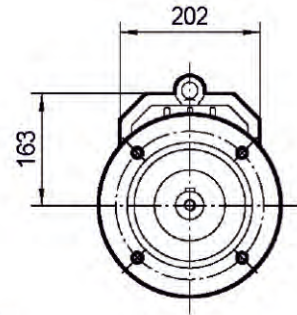
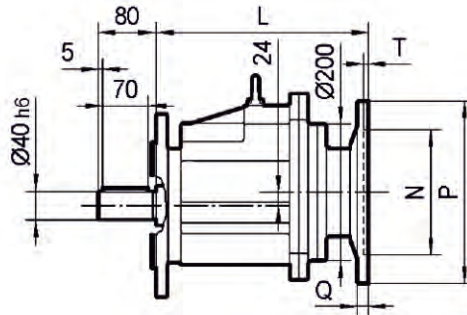
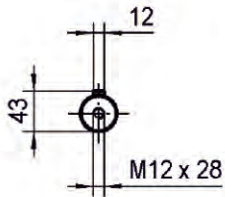
KST05..TAM(IEC)..

Eingang/ Input:



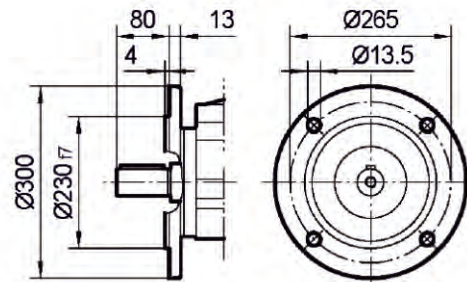
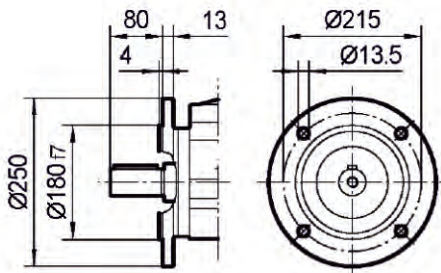
KSTF05..TAM(IEC)..

Ausgang/ Output:

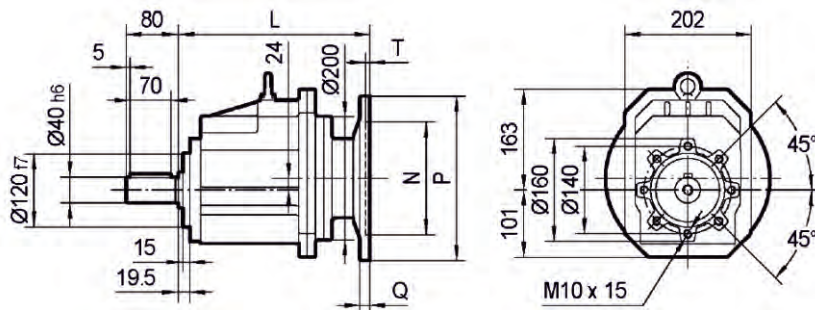


I
Ø250

II
Ø300



KSTZ05..TAM(IEC)..

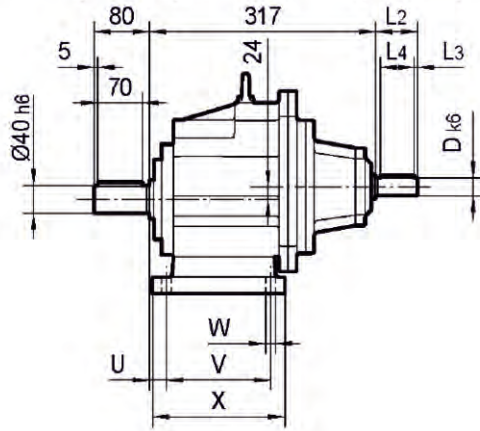
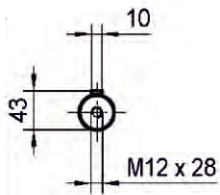


IEC	D (E8)	F	G	L	P	M	N	Q	S	T
TAM90B5	24	8	27.3	285	200	165	130	12	11	4.5
TAM100/112B5	28	8	31.3	294	250	215	180	15	13.5	5
TAM132B5	38	10	41.3	325	300	265	230	16	13.5	5

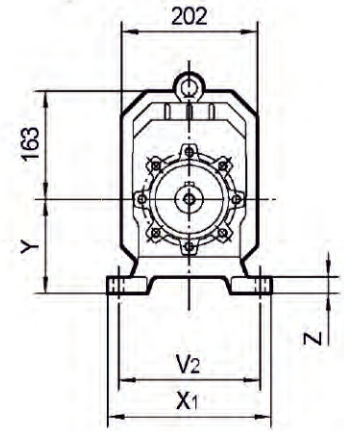
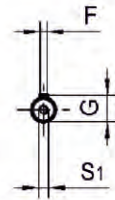
Fuß Code Foot code	U	V	V2	W	X	X1	Y	Z
B0501	25	156	225	18	200	270	155	22
R0502	35	205	170	17.5	245	220	140	20

KSTo5..AD..

Ausgang/ Output:

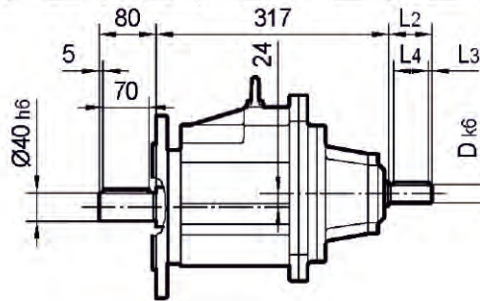
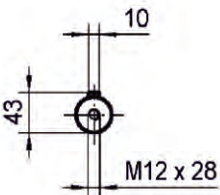


Eingang/ Input:

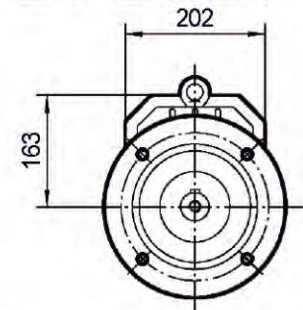
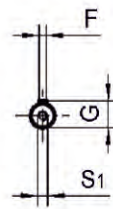


KSTFo5..AD..

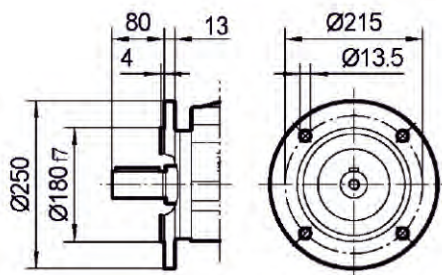
Ausgang/ Output:



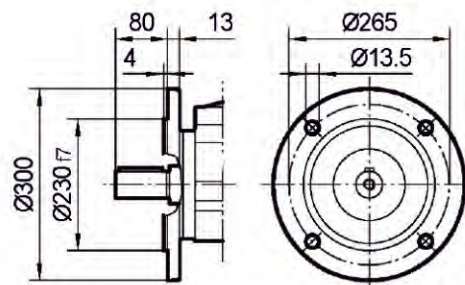
Eingang/ Input:



I
Ø250

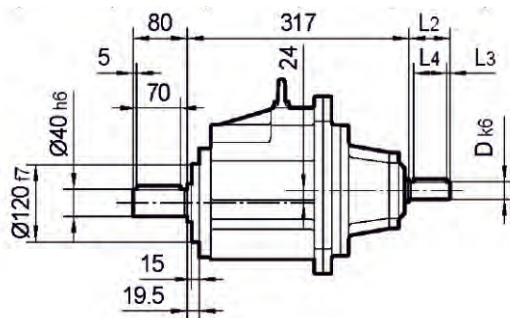
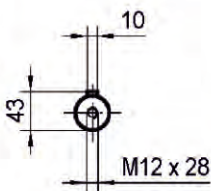


II
Ø300

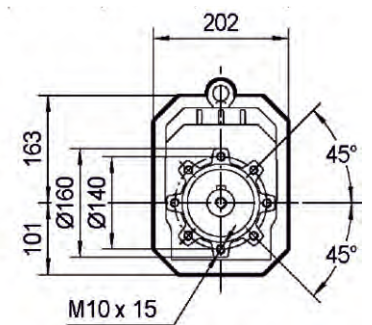
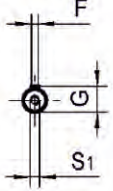


KSTZo5..AD..

Ausgang/ Output:



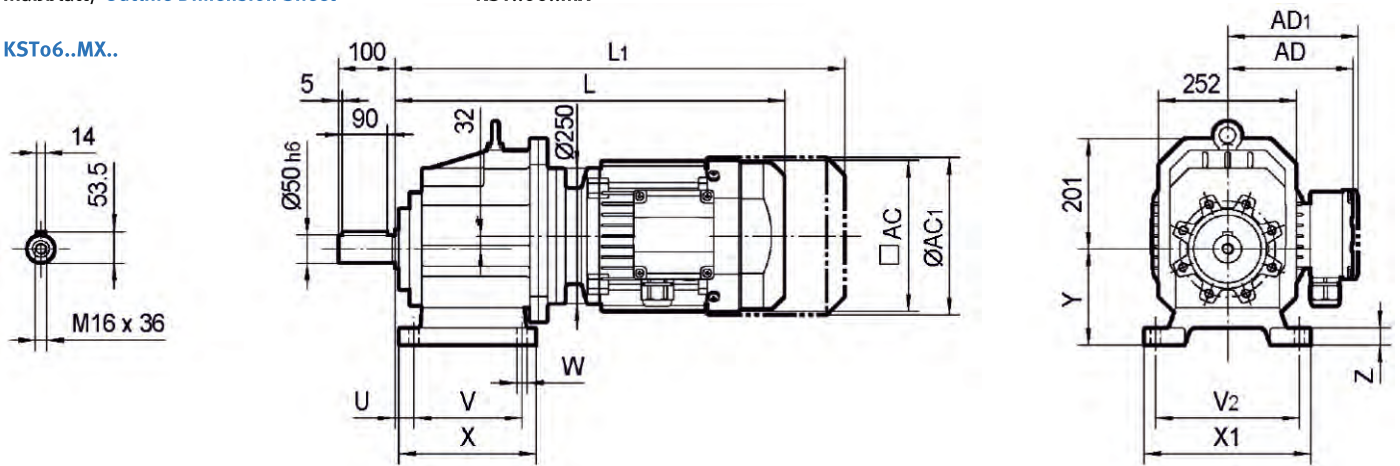
Eingang/ Input:



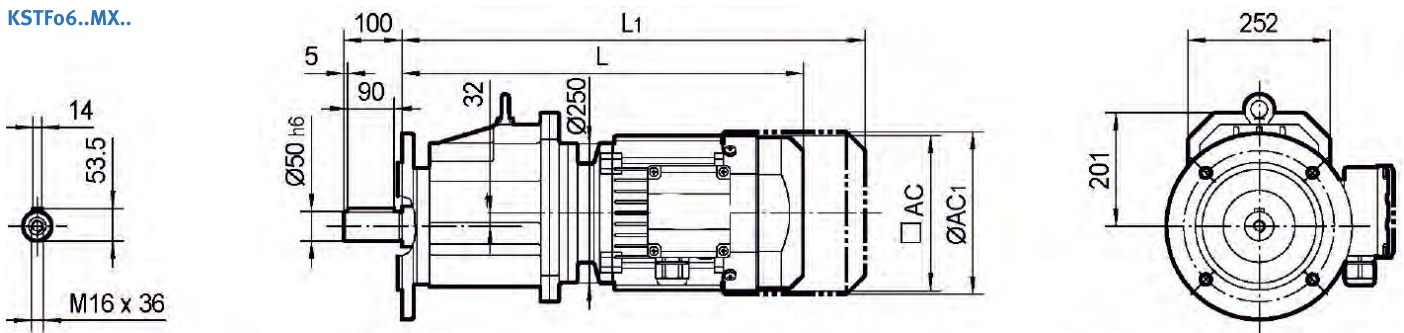
Fuß Code Foot code	U	V	V2	W	X	X1	Y	Z
B0501	25	156	225	18	200	270	155	22
R0502	35	205	170	17.5	245	220	140	20

AD..	D	F	G	L2	L3	L4	S1
AD2	19	6	21.5	40	4	32	M6x16
AD3	24	8	27	50	5	40	M8x19
AD4	38	10	41	80	5	70	M12x28

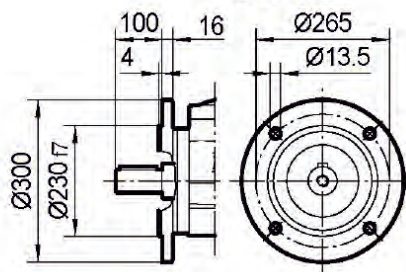
KSTo6..MX..



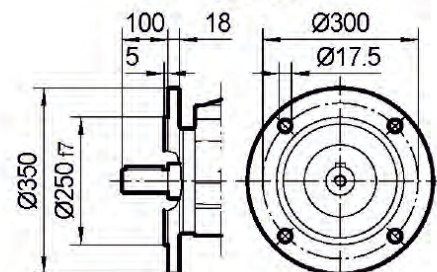
KSTFo6..MX..



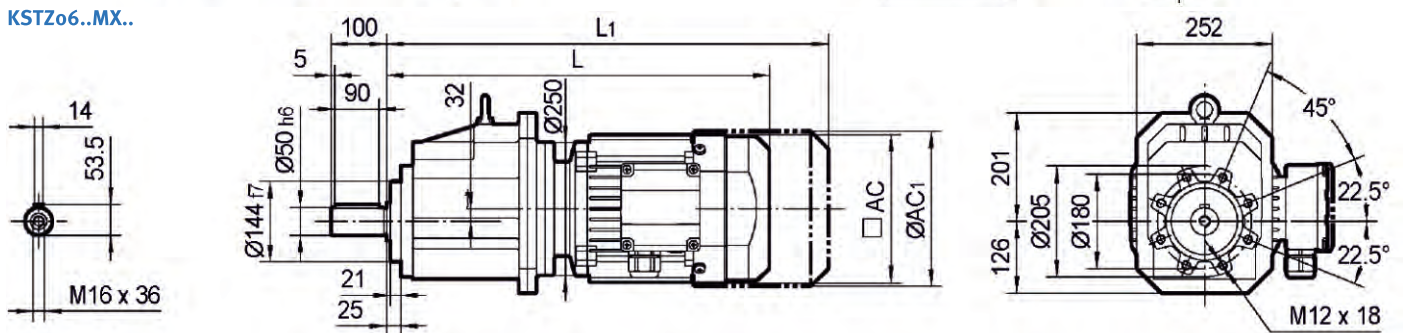
I
Ø300



II
Ø350



KSTZo6..MX..

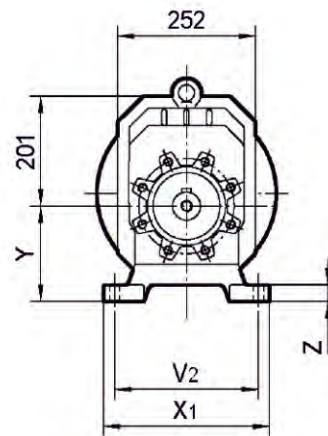
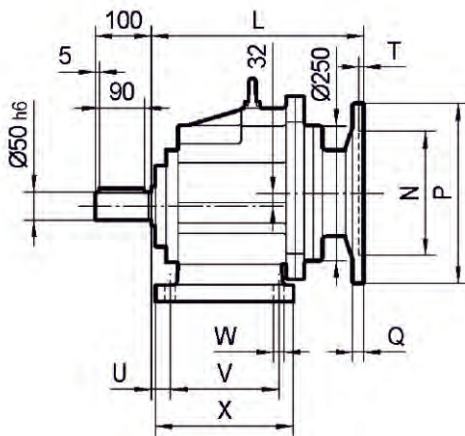
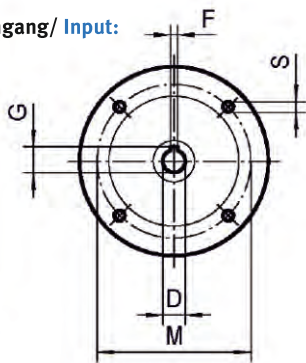


Motor Type	L	L1	AC	AC1	AD	AD1
MX90	518	603	182	203	154	161
MX100M	558	643	182	203	154	161
MX100L	588	673	182	203	154	161
MX112	602	682	206	221	179	182
MX132S	647	727	206	221	179	182
MX132M	669	781	252	221	230	230
MX132ML	729	729	252	275	230	230
MX160M	729	729	252	275	230	230

Fuß Code Foot code	U	V	V2	W	X	X1	Y	Z
B0601	25	180	250	18	232	300	195	25
R0602	40	260	215	17.5	310	280	180	25

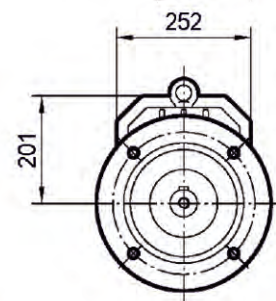
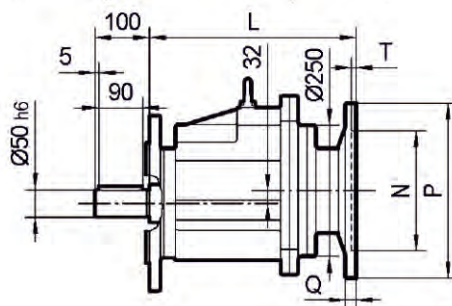
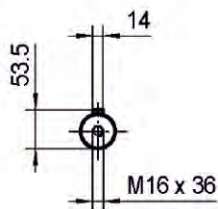
KSTo6..TAM(IEC)..

Eingang/ Input:



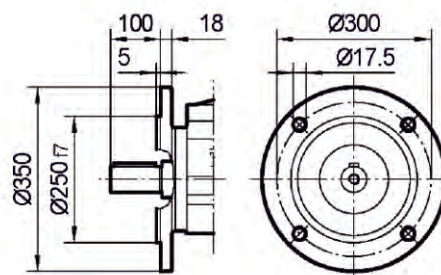
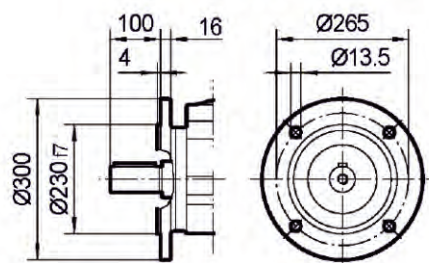
KSTFo6..TAM(IEC)..

Ausgang/ Output:

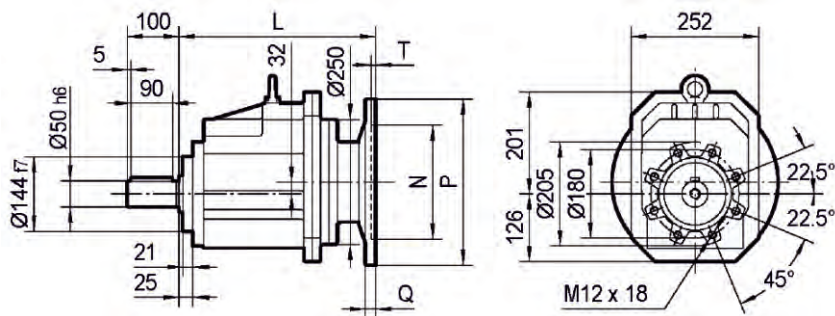


I
Ø300

II
Ø350



KSTZo6..TAM(IEC)..

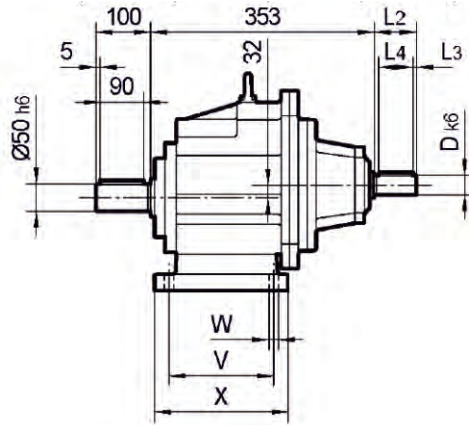
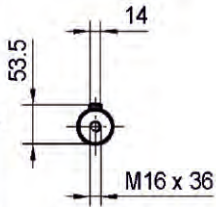


IEC	D (E8)	F	G	L	P	M	N	Q	S	T
TAM90B5	24	8	27.3	321	200	165	130	12	11	4.5
TAM100/112B5	28	8	31.3	330	250	215	180	15	13.5	5
TAM132B5	38	10	41.3	361	300	265	230	16	13.5	5
TAM160B5	42	12	45.3	399	350	300	250	18	17.5	6

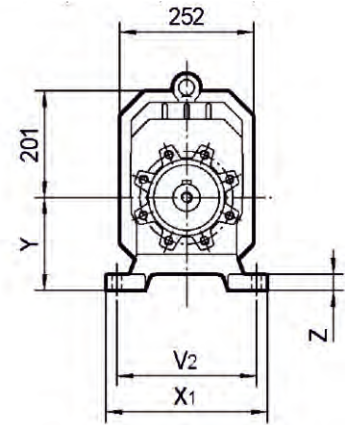
Fuß Code Foot code	U	V	V2	W	X	X1	Y	Z
B0601	25	180	250	18	232	300	195	25
R0602	40	260	215	17.5	310	280	180	25

KSTo6..AD..

Ausgang/Output:

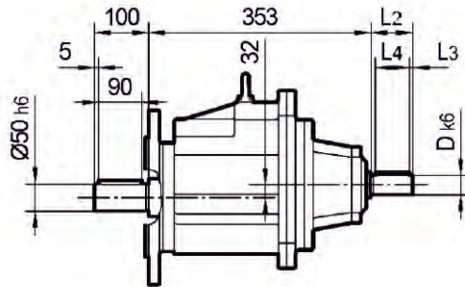
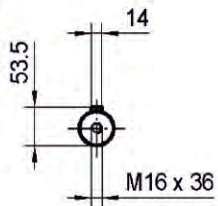


Eingang/ Input:

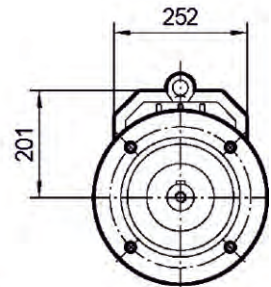
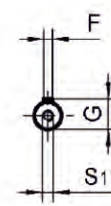


KSTFo6..AD..

Ausgang/Output:

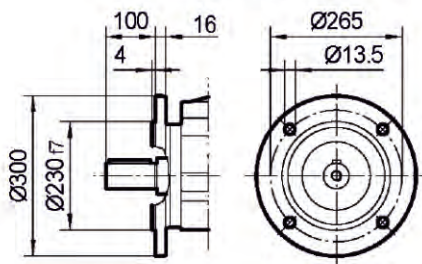


Eingang/ Input:



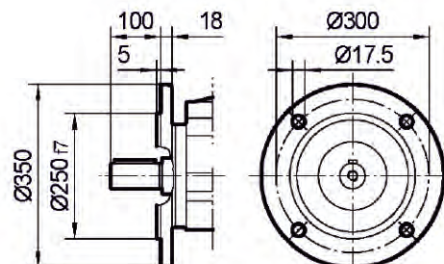
I

Ø300



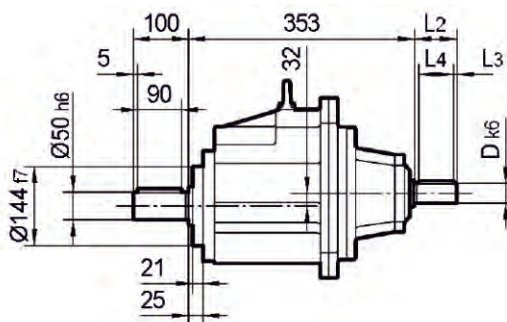
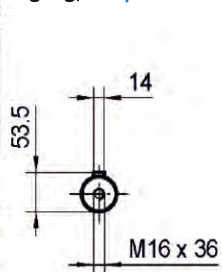
II

Ø350

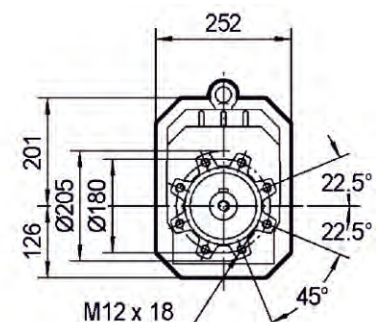
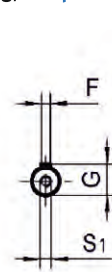


KSTZo6..AD..

Ausgang/ Output:



Eingang/ Input:



Fuß Code Foot code	U	V	V ₂	W	X	X ₁	Y	Z
B0601	25	180	250	18	232	300	195	25
R0602	40	260	215	17.5	310	280	180	25

AD..	D	F	G	L ₂	L ₃	L ₄	S ₁
AD ₂	19	6	21.5	40	4	32	M6x16
AD ₃	24	8	31	60	5	50	M8x19
AD ₄	38	10	41	80	5	70	M12x28

- **KSTR Stirnradgetriebemotoren**
KSTR Series helical geared motors



- **KS Schneckengetriebemotoren**
KS Series helical-worm geared motors



- **KK Kegelstirnradgetriebemotoren**
KK Series helical-bevel geared motors



- **KF Flachgetriebemotoren**
KF Series parallel shaft helical geared motors



- **KM Hypoid-Getriebemotoren der Baureihe**
KM Series helical-hypoid geared motors



- **KST Modulare Stirnradgetriebemotoren**
KST series modular helical geared motors



- **KB Stirnrad-Hypoid-Getriebemotoren**
KB series helical-hypoid gear motors



- **KRV Schneckengetriebemotoren**
KRV series worm gear units





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