



HANGZHOU YUQIU MACHINE CO.,LTD

Add: Chunguang Village, Yipeng Street,
Qiantang District, Hangzhou City

Sale: 086-571-82185388
18868825101

SER-LINE: 400-187-0388

Fax: 086-571-82161755

Web: www.hzyqjx.com

E-mail: txhuan23@126.com



**YUQIU
MACHINE**

HANGZHOU YUQIU MACHINE CO.,LTD



HIGH EFFICIENCY HYPOID GEAR UNITS

BRIEF INTRODUCTION

Hangzhou YUQIU Machinery Co., Ltd. set worm gear, Gear Reducer R & D, production and sales in one, founded in 2000, is located in Qiantang District, Hangzhou, China, is a professional production of decelerating motor of large-scale industry and trade enterprises. Dedicated to the industry to provide professional, efficient and human-oriented overall transmission program.

The company's leading products include KRV hyperbolic reducers, RFKS four series gear reducers, NMRV series worm gear reducers, three-phase asynchronous motors, WP series worm gear reducers, and SWL screw elevators. The company has a batch of advanced transmission machinery production equipment and precision testing equipment both domestically and internationally, and has established the Zhejiang Provincial High tech R&D Center to continuously improve and innovate based on market demand and customer feedback. With years of research and development experience and technological accumulation, our company is at the forefront of domestic technology, equipment, and product performance, entering the international advanced ranks. Our products are aimed at important fields such as food, chemical, mining, metallurgy, textiles, woodworking machinery, packaging, wind energy, electricity, and lifting.

The company has advanced production equipment and perfect production management system, modern production technology and strict quality control system to ensure that each reducer products are in line with relevant standards and customer requirements. At the same time the company is also committed to improve production efficiency and reduce costs, to provide customers with more competitive products and services.

The company has established a sound sales network, with a professional sales team and technical services team, to provide customers with a full range of sales support and after-sales service. Always adhere to customer-centric, customer-oriented needs, to provide customers with quality services and solutions.

The company has been awarded the National high-tech Enterprises, Zhejiang manufacturing character certification, Zhejiang Province, Zhejiang province, specialized new small and medium-sized enterprises, small and medium-sized enterprises, such as science and technology. Our products have passed ISO9001 quality system, ISO14001 environmental management system, ISO45001 occupational health management system, 3C certification, CE certification and energy efficiency certification, at present, the products are widely sold all over the country and the developed countries in the world.

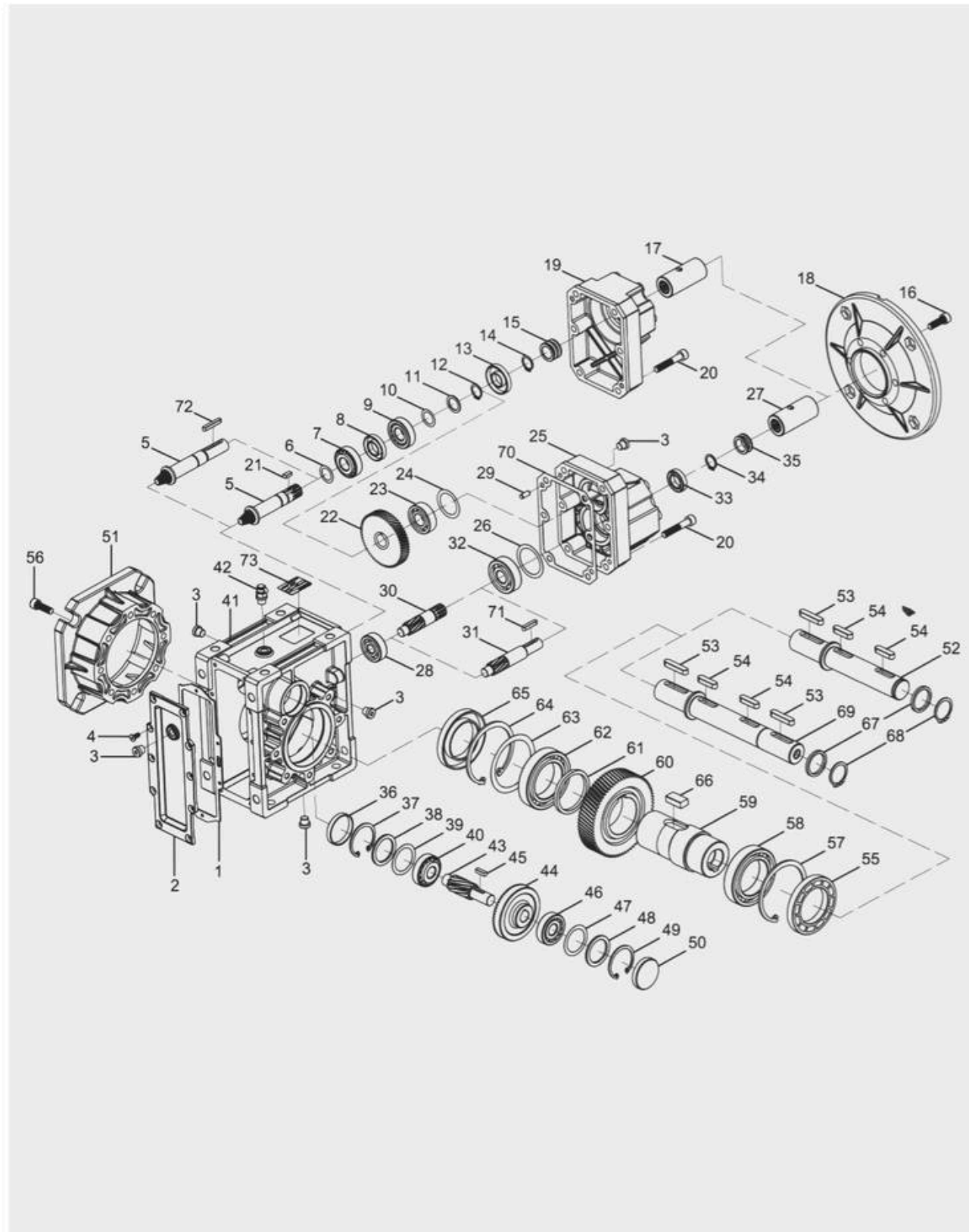
ADVANCED EQUIPMENTS

YUQIU have advanced and perfect inspecting equipment to inspect the spare parts and whole machine precisely.



R&D Center



STRUCTURE DIAGRAM

STRUCTURE DIAGRAM

1	Rubber gasket	38	Washer
2	Gearcase cover	39	Shim ring
3	Oil plug	40	Bearing
4	Hexagon sunk screw	41	Gear case
5	Pinion shaft	42	Breather valve
6	Shin ring	43	Pinion shaft
7	Bearing	44	Gear
8	Oil seal	45	Key
9	Bearing	46	Bearing
10	Shin ring	47	Shim ring
11	Washer	48	Washer
12	Shaft-circlip	49	Hole-circlip
13	Oil seal	50	Closing cap
14	Shaft-Circlip	51	Output flange
15	Rubber boot	52	Single output shaft
16	Inner hex screw	53	Key
17	Input shaft	54	Key
18	Input flange	55	Oil seal
19	2stage input box cover	56	Inner hex screw
20	Inner hex screw	57	Hole-circlip
21	Key	58	Bearing
22	Gear	59	Hollow shaft
23	Bearing	60	Gear
24	Shim ring	61	Washer
25	3 stage input box cover	62	Bearing
26	Shim ring	63	Shim ring
27	Input shaft	64	Hole-circlip
28	Bearing	65	Oil seal
29	Stifte	66	Key
30	Pinion	67	Washer
31	Pinion shaft	68	Shaft-circlip
32	Bearing	69	Double output shaft
33	Oil sea	70	Housing gasket
34	Shaft-circlip	71	Key
35	Rubber boot	72	Key
36	Closing cap	73	Nameplate
37	Hole-circlip		



DESIGN FEATURES

Summarize

KRV series high efficiency hypoid gearbox is a new generation of product developed by our company.

Fuses the advanced technology both at home and abroad. The mounting dimension of KRV the same with NMRV Series worm gearbox. Adopt gear transmission used for reference SEW helical gearbox structure to improve transmission efficiency, solved NMRV worm gearbox transmission efficiency low, service life short and etc. questions.

In industrial developing KRV the role of saving energy and reducing consumption, green environmental protection.

Products characteristics

1. Driven by hypoid gear, has big ratios
2. Large in output torque, high efficiency energy saving and environmental protection
3. Made of high-quality aluminum alloy, light in weight and non-rusting.
4. Smooth in running and low in noise, can work long time in dreadful conditions.
5. Good-looking in appearance, durable in service life and small in volume,
6. Suitable for all round installation, wide application and easy of use.
7. The mounting dimension of KRV series are compatible with NMRV series worm gear unit(A part of NMRV050 dimensions are different from KRV050)
8. Modular and multi-structure can meet the demands of various conditions.



DESIGN FEATURES

Comparative advantage**1. High efficiency & energy-saving**

The hypoid gear has low friction, efficiency is as high as 92%, compared with the worm gearbox, the efficiency improved about 10%–40%.

Type	Ratios [i]	Input speed[n]	Efficiency[n]
KRV075	30.24	1400	90%
NMRV075	30	1400	60%

2. High strength & long life

The hypoid gear made of high quality alloy, treated by surface hardening, and produced by high-precision grinding machine, the output torque gear strength and life are much better than worm gearbox.

Main materials

1. Housing: die-cast aluminum alloy(frame size:050 to 090);
grey cast iron(frame size:110);
2. Gear wheel:20CrMnTi,carbonization & nitriding treatment make the hardness of gear's surface up to 58–62 HRC, retain carbonized layer's thickness between 0.3 and 0.6mm after accurate grinding.

Surface painting

Aluminum alloy housing:

1. Shot blasting and special antiseptic treatment on the aluminum alloy surface.
2. After phosphating, spray the paint RAL7035 in grey or RAL5010 in blue.

MODEL ILLUMINATE

Gear unit							Motor			
KRV	063	2 /	20.25 /	FA1 /	SS1 /	B3 /	71B5-0.37-4P /	BMG /	1 /	X
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪

NO	Comments
1	Code for gear units series: KRV
2	Specification code of gear units 050、063、075、090、110
3	1. 2:Means 2 stages 2. 3:Means 3 stages
4	Speed ratio of reducer i
5	1.No mark means without output flange 2.FA、FB、FC、FD、FE(1/2):output Flange and position
6	1.No mark means hole output 2.SS(1/2):Single output shaft and position 3.DS:Double output shaft
7	Installation position code
8	1. 71B5:IEC input flange code 2. MV7124:Compact motor type 3. 71B5-0.37-4P:IEC input flange code and model motors(poles of power) 4. 56C:NEMA input flange code 5. ST80:Servo motor input flange code 6. ST80-80ST-M01330:Servo motor input flange code and servo motor type 7. 80STM-M01330:Compact servo motor type 8. HS: means shaft input
9	1.No mark means without brake 2.BMG:brake
10	Position of motor terminal box default position 1 not to write out is ok
11	Coil position for motor, default position X not to write out is ok

NOTE: When ordering, you should show whether the reducers are equipped with motors, otherwise reducers aren't supplied with motors.

Example: **KRV0633/63.33/FA2/80B5**

RELEVANT PARAMETER

POWER P

$$P_1 = P_2 / \eta \text{ (kW)}$$

$$P_{1n} \geq P_1 \cdot fs \text{ (kW)}$$

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

The efficiency of KRV gear units varies with the number of gear stages, which is 92% for 2-stage, 90% for 3-stage.

Rotation speed n

n_1 Gear units input speed
 n_2 Gear units output speed

If driven by the external gearing, 1400r/min or lower rotation speed is suggested so as to optimize the working conditions and prolong the service life. Higher input rotation speed is permitted, but in this situation, the rated torque M_2 will be reduced.

Transmission ratio i

$i = n_1 / n_2$ Usually transmission ratio is decimal fraction with 2 radix point tagged in selection tables.

Torque m

$$M_2 = 9550 \cdot P_1 \cdot \eta / n_2 \text{ (Nm)}$$

$$M_{2n} \geq M_2 \cdot fs \text{ (Nm)}$$

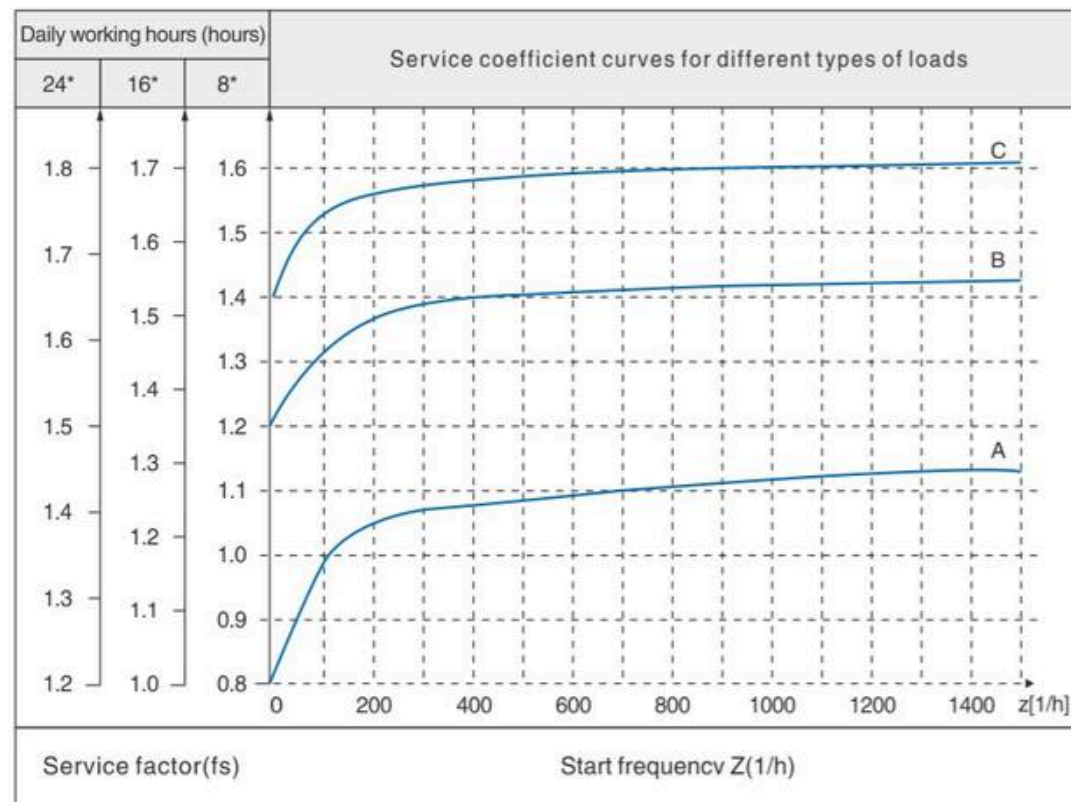
M_2 Output torque
 M_{2n} Rated output torque
 P_1 Input power
 η Transmission efficiency
 fs Service factor

RELEVANT PARAMETER

Service factor f_s

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 . The service factor is determined according to the daily operating time and the starting frequency Z .

Three load classifications are considered depending on the mass acceleration factor. You can read off the service factor applicable to your application in following figure. The service factor selected using this diagram must be less than or equal to the service factor as given in the performance parameter table.



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

RELEVANT PARAMETER

Load classifications

Type of load:

- A. Uniform, permitted mass acceleration factor $F_a \leq 0.2$
- B. Moderate shock load, permitted mass acceleration factor $F_a \leq 3$
- C. Heavy shock load, permitted mass acceleration factor $F_a \leq 10$

Screw feeders for light materials, fans, assembly lines, conveyor belts for light materials, small mixers, lifts, cleaning machines, fillers, control machines.

Winding devices, woodworking machine feeders, goods lifts, balancers, threading machines, medium mixers, conveyor belts for heavy materials, winches, sliding doors, fertilize scrapers, packing machines, concrete mixers, crane mechanisms, milling cutters, folding machines, gear pumps.

Mixers for heavy materials, shears, presses, centrifuges, rotating supports, winches and lifts for heavy materials, grinding lathes, stone mills, bucket elevators, drilling machines, hammer mills, cam presses, folding machines, turntables, tumbling barrels, vibrators, shredders.

Mass acceleration factor

The mass acceleration factor is calculated as follows:

$$F_a = J_c / J_m$$

F_a Mass acceleration factor

J_c All external mass moments of inertia (kgm^2)

J_m Mass moment of inertia on the motor end (kgm^2)

If mass acceleration factors $f_a > 10$, please call our Technical Service.

To keep the service-life of gear units, use factor f_s selected from the catalogue must be equal or slightly

higher than the calculated use factor f_s .

Example:

Mass acceleration factor 2.5 (load classification B), 14 hours/day operating time (read off at 16h/d) and 200 cycles/hour result in a service factor $f_s = 1.48$.

choose the service factor $f_s \geq 1.48$ according to the parameter sheet.

RELEVANT PARAMETER

Overhung loads and axial forces

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

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

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

$$F_r = \frac{M \cdot 2000 \cdot f_z}{d_o} \text{ (N)}$$

Fr Resulting radial load [N]
M Torque on the shafts [Nm]
d_o Mean diameter of the mounted transmission element [mm]
fz Transmission element factor

The basis for determining the permitted radial loads is the computation of the rated service life L_{10h} of the bearings (according to ISO0281) For special operating conditions , the permitted radial loads can be determined with regard service life Lna.

The permitted radial loads given in the selection tables must be calculated using the following formula in the event of force application not in the center of the shaft end. The smaller of the two values FxL (according to bearing service life)

according to bearing service life :

$$F_{xL} = F_r \cdot \frac{a}{b+x} \text{ [N]}$$

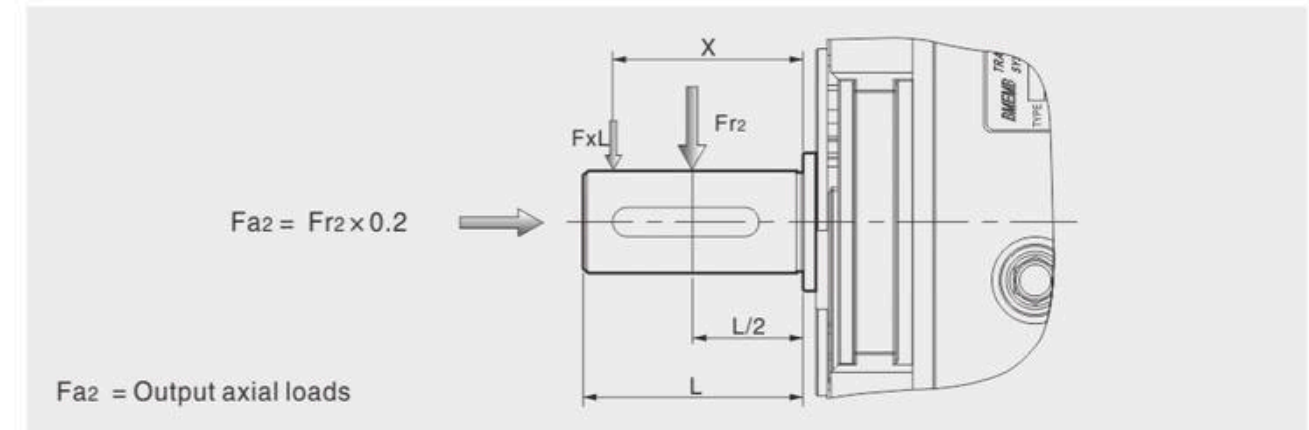
Permitted overhung load (x=L/2) for footmounted gear units according to he selection tables in [N]

X= Distance from the shaft shoulder to the force application point in [mm]

a,b = Gear unit constant for overhung load conversion [mm]

RELEVANT PARAMETER

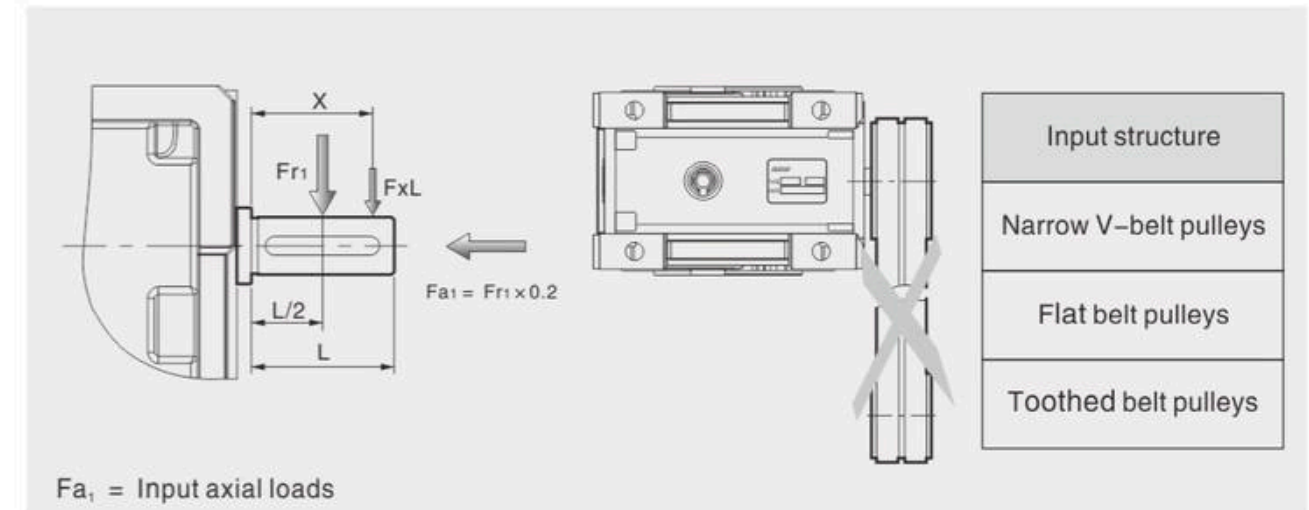
● Output shafts radial loads



KRV Gear unit constants for overhung load conversion:

	KRV0502	KRV0503	KRV0632	KRV0633	KRV0752	KRV0753	KRV0902	KRV0903	KRV1102	KRV1103
a	104	104	118	118	131	131	159	159	174	174
b	78	78	93	93	101	101	119	119	134	134

● Input shafts radial loads



It is forbidden to use the input on the right chart (including 3 stage input) .

KRV Gear unit constants for overhung load conversion:

	KRV0502	KRV0503	KRV0632	KRV0633	KRV0752	KRV0753	KRV0902	KRV0903	KRV1102	KRV1103
a	51.5	56	90	56	73	70	81	70	101	87
b	40	44.5	43	44.5	53	55	61	55	76	67

RELEVANT PARAMETER

Selection tables comments

	Combination with the motor in the header row is possible
	Combination with the motor in the header row is not possible

★	Finite gear unit reduction ratio	i_a	Gear unit actual ratio
P_{1n}	Rated power driving motor [kW]	f_s	Service factor
n_2	Output speed [r/min]		Geared motor type
M_{2n}	Output torque [Nm]		Gear unit type
M_{2max}	Max.permissible output torque [Nm]		Motor type
F_{r2}	Permissible overhung load output size [N]		
i	Gear unit nominal ratio		

RELEVANT PARAMETER

● Selection example

Gear motor

Example: Required power 0.25 kW on driven machine, work for 8 h/day, moderate shock load, start up frequency 100 (1/h), $n_2=35$ r/min, B3 mounted, So:

$$i = \frac{n_1}{n_2} = \frac{1400}{35} = 40$$

Check the service factor table on page 7, choose $f_s=1.3$

$$P_{1n} \geq P_1 \cdot f_s = \frac{P_2}{\eta} \cdot f_s = \frac{0.25}{0.94} \times 1.3 = 0.345 \text{ (kW)}$$

Choose type:

KRV0502 / 40.09 / 71B5 / 0.37-4P / B3

Gear units

Example: Required torque 200Nm on driven machine, work 8 h/day, uniform load, Start up frequency 400(1/h) FA1 mounted, $n_1=900$ r/min, $n_2=6$ r/min, so the only selection is 3 stage after checked the table:

Check the service factor table on page 7, choose $f_s=1$

$$i = \frac{n_1}{n_2} = \frac{900}{6} = 150$$

$$M_{2n} \geq M_2 \cdot f_s = 200 \times 1.05 = 210 \text{ (Nm)}$$

$$P_{1n} \geq P_1 \cdot f_s = \frac{M_2 \cdot n_1}{9550 \cdot \eta \cdot i} \cdot f_s = \frac{210 \times 900}{9550 \times 0.92 \times 150} \times 1.05 = 0.151 \text{ (kW)}$$

Choose type:

KRV0753 / 151.20 / FA1

RELEVANT PARAMETER

● Selection example analysis

Example: A certain large enterprise added a production line, need to purchase 40 units of gear motors. Required the output power is 0.8kW, $n_1=1400\text{r/min}$, uniform load, start up frequency 30(1/h), continuous running for 8 hours, the ambient temperature is 32°C, $n_2=28\text{r/min}$, So

The first scheme, purchase traditional worm gearbox:

$$i = \frac{n_1}{n_2} = \frac{1400}{28} = 50$$

Check mash table, estimate when the $i=50$, $\eta_d \approx 0.68$ Check and adjust the service factor, will get

$$f_s = 1.05 \times 1.12 = 1.176$$

$$P_{1n} \geq \frac{P_2}{\eta_d} \cdot f_s = \frac{0.8}{0.68} \times 1.176 = 1.384 \text{ (kW)}$$

Count output torque:

$$M_2 = 9550 \times \frac{P_2}{n_2} = 9550 \times \frac{0.8}{28} = 272.86 \text{ (Nm)}$$

$$M_{2n} = 379 \geq M_2 \cdot f_s = 272.86 \times 1.176 = 320.88 \text{ (Nm)}$$

Choose type:

NMRV110/50/1.5-4P

The power consumption on the production line is (22 days/per month):

$$P_{1n} \times 8 \times 22 \times 12 \times 40 = 1.384 \times 8 \times 22 \times 12 \times 40 = 116920.32 \text{ (kW.h)}$$

The power price at 1.01 yuan/kw.h, so the electric cost is 118089.52 per year

$$116920.32 \times 1.01 = 118089.52 \text{ yuan}$$

The second scheme, purchase KRV high efficiency hypoid gear units:

$$P_{1n} \geq \frac{P_2}{\eta_d} \cdot f_s = \frac{0.8}{0.94} \times 1.0 = 0.85 \text{ (kW)}$$

Count output torque:

$$M_2 = 9550 \times \frac{P_2}{n_2} = 9550 \times \frac{0.8}{28} = 272.86 \text{ (Nm)}$$

$$M_{2n} = 379 \geq M_2 \cdot f_s = 272.86 \times 1.0 = 272.86 \text{ (Nm)}$$

The gearbox size can be fixed from the KRV series character chart:

KRV0752/48.18/90B5/90S4

The power consumption on the production line is (22 days/per month):

$$P_{1n} \times 8 \times 22 \times 12 \times 40 = 0.85 \times 8 \times 22 \times 12 \times 40 = 71808 \text{ (kW.h)}$$

The power price at 1.01 yuan/kw.h, so the electric cost is 72526.08 per year

$$71808 \times 1.01 = 72526.08 \text{ yuan}$$

Choosing the second scheme can reduce the cost at **46000** yuan.

KRV GEAR UNIT SELECTION TABLES

KRV 050.. Possible geometrical combinations ($n_1=1400\text{r/min}$)

130Nm

Gear units	i Nominal	i Actual	n_2 [r/min]	M_{2max} [Nm]	F_{t2} [N]	MV63	MV71	MV80	MV90
3 Stage									
KRV0503	300	291.79	4.8	130	4100				
KRV0503	250	244.29	5.7	130	4100				
KRV0503	200	200.44	7.0	130	4100				
KRV0503	150	146.67	9.5	130	4000				
KRV0503	125	120.34	11.6	130	3770				
KRV0503	100	101.04	13.9	100	3560				
KRV0503	75	74.62	18.8	80	3220				
KRV0503	60	62.36	22	130	3030				
KRV0503	50	52.36	27	100	2860				
2 Stage									
KRV0502	60	58.36	24	130	2960				
KRV0502	50	48.86	29	130	2790				
KRV0502	40	40.09	35	130	2610				
KRV0502	30	29.33	48	130	2350				
KRV0502	25	24.07	58	130	2200				
KRV0502	20	20.21	69	100	2080				
KRV0502	15	14.92	94	80	1880				
KRV0502	12.5	12.47	112	130	1770				
KRV0502	10	10.47	134	100	1670				
KRV0502	7.5	7.73	181	80	1510				

KRV GEAR UNIT SELECTION TABLES

 KRV 063.. Possible geometrical combinations ($n_1=1400\text{r/min}$)

200Nm

Gear units	i Nominal	i Actual	n_2 [r/min]	$M_{2\max}$ [Nm]	F_{r2} [N]	MV63	MV71	MV80	MV90
3 Stage									
KRV0633	300	302.50	4.6	200	4800				
KRV0633	250	243.57	5.7	200	4800				
KRV0633	200	196.43	7.1	180	4800				
KRV0633	150	151.56	9.2	200	4650				
KRV0633	125	122.22	11.5	180	4330				
KRV0633	100	101.27	13.8	150	4070				
KRV0633	75	73.33	19.1	110	3650				
KRV0633	60	63.33	22	180	3480				
KRV0633	50	52.48	27	150	3270				
2 Stage									
KRV0632	60	60.50	23	200	3430				
KRV0632	50	48.71	29	200	3190				
KRV0632	40	39.29	36	180	2970				
KRV0632	30	30.31	46	200	2720				
KRV0632	25	24.44	57	180	2530				
KRV0632	20	20.25	69	150	2380				
KRV0632	15	14.67	95	110	2130				
KRV0632	12.5	12.67	110	180	2030				
KRV0632	10	10.50	133	150	1910				
KRV0632	7.5	7.60	184	110	1710				

KRV GEAR UNIT SELECTION TABLES

 KRV 075.. Possible geometrical combinations ($n_1=1400\text{r/min}$)

350Nm

Gear units	i Nominal	i Actual	n_2 [r/min]	$M_{2\max}$ [Nm]	F_{r2} [N]	MV63	MV71	MV80	MV90	MV100	MV112
3 Stage											
KRV0753	300	297.21	4.7	350	6500						
KRV0753	250	240.89	5.8	350	6500						
KRV0753	200	200.66	7.0	300	6500						
KRV0753	150	151.20	9.3	350	6500						
KRV0753	125	125.95	11.1	300	5980						
KRV0753	100	99.22	14.1	240	5520						
KRV0753	75	75.45	18.6	200	5040						
KRV0753	60	62.43	22	300	4730						
KRV0753	50	49.18	28	240	4370						
2 Stage											
KRV0752	60	59.44	24	350	4660						
KRV0752	50	48.18	29	350	4340						
KRV0752	40	40.13	35	300	4080						
KRV0752	30	30.24	46	350	3720						
KRV0752	25	25.19	56	300	3500						
KRV0752	20	19.84	71	240	3230						
KRV0752	15	15.09	93	200	2950						
KRV0752	12.5	12.49	112	300	2770						
KRV0752	10	9.84	142	240	2550						
KRV0752	7.5	7.48	187	200	2330						

KRV GEAR UNIT SELECTION TABLES

 KRV 090.. Possible geometrical combinations ($n_1=1400\text{r/min}$)

550Nm

Gear units	i Nominal	i Actual	n_2 [r/min]	$M_{2\max}$ [Nm]	F_{r2} [N]	MV63	MV71	MV80	MV90	MV100	MV112
3 Stage											
KRV0903	300	297.21	4.7	500	8300						
KRV0903	250	240.89	5.8	500	8300						
KRV0903	200	200.66	7.0	480	8300						
KRV0903	150	151.20	9.3	500	8050						
KRV0903	125	125.95	11.1	480	7580						
KRV0903	100	99.22	14.1	380	7000						
KRV0903	75	75.45	18.6	300	6390						
KRV0903	60	62.43	22	480	6000						
KRV0903	50	49.18	28	380	5540						
2 Stage											
KRV0902	60	59.44	24	500	5890						
KRV0902	50	48.18	29	500	5500						
KRV0902	40	40.13	35	480	5170						
KRV0902	30	30.24	46	500	4710						
KRV0902	25	25.19	56	480	4430						
KRV0902	20	19.84	71	380	4090						
KRV0902	15	15.09	93	300	3730						
KRV0902	12.5	12.49	112	480	3510						
KRV0902	10	9.84	142	380	3240						
KRV0902	7.5	7.48	187	300	2950						

KRV GEAR UNIT SELECTION TABLES

 KRV 110.. Possible geometrical combinations ($n_1=1400\text{r/min}$)

750Nm

Gear units	i Nominal	i Actual	n_2 [r/min]	$M_{2\max}$ [Nm]	F_{r2} [N]	MV71	MV80	MV90	MV100	MV112	MV132
3 Stage											
KRV1103	300	296.10	4.7	750	10000						
KRV1103	250	244.29	5.7	750	10000						
KRV1103	200	206.29	6.8	750	9920						
KRV1103	150	153.33	9.1	750	8980						
KRV1103	125	129.48	10.8	750	8490						
KRV1103	100	103.64	13.5	650	7880						
KRV1103	75	75.55	18.5	520	7090						
KRV1103	60	64.18	22	750	6720						
KRV1103	50	51.37	27	650	6240						
2 Stage											
KRV1102	60	59.22	24	750	6540						
KRV1102	50	48.86	29	750	6130						
KRV1102	40	41.26	34	750	5800						
KRV1102	30	30.67	46	750	5250						
KRV1102	25	25.90	54	750	4960						
KRV1102	20	20.73	68	650	4610						
KRV1102	15	15.11	93	520	4150						
KRV1102	12.5	12.84	109	750	3930						
KRV1102	10	10.27	136	650	3650						
KRV1102	7.5	7.49	187	520	3280						

KRV GEAR UNIT SELECTION TABLES

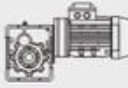
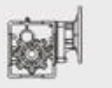
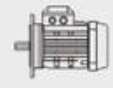
 KRV+ST Servo gear unit possible geometrical combinations($n_1=1500\text{r/min}$)

KRV	ST	7.5	10	12.5	15	20	25	30	40	50	60	75	100	125	150	200	250	300
050	100W																	
	200W	●	●	●														
	400W																	
	500W																	
	750W																	
	1000W																	
	1500W																	
063	200W	●	●	●	●	●	●	●										
	400W	●	●	●														
	500W																	
	750W																	
	1000W																	
	1500W																	
075	400W	●	●	●	●	●	●	●										
	500W	●	●	●														
	750W	●	●	●														
	1000W																	
	1500W																	
	2000W																	
	3000W																	
	4000W																	
090	400W	●	●	●	●	●	●	●										
	500W	●	●	●	●	●	●											
	750W	●	●	●														
	1000W	●	●	●														
	1500W																	
	2000W																	
	3000W																	
	4000W																	
110	750W	●	●	●	●	●	●	●										
	1000W	●	●	●	●													
	1500W	●	●	●														
	2000W																	
	3000W																	
	4000W																	

NOTE : ● Means allowed but not recommended configurations, space parts means unallowed configurations.

KRV PERFORMANCE PARAMETER

KRV... Performance Parameter

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s					
0.12	4.8	215	300	291.79	4100	0.6	KRV0503	MV6314	KRV0503	63B5	6314
	5.7	180	250	244.29	4100	0.72					
	7.0	148	200	200.44	4100	0.88					
	9.5	108	150	146.67	4000	1.2					
	11.6	89	125	120.34	3770	1.5					
	13.9	74	100	101.04	3560	1.3					
	18.8	55	75	76.62	3220	1.5					
	22	46	60	62.36	3030	2.8					
	27	39	50	52.36	2860	2.6					
	24	44	60	58.36	2960	3.0	KRV0502	MV6314	KRV0502	63B5	6314
	29	37	50	48.86	2790	3.5					
	35	30	40	40.09	2610	4.3					
	48	22	30	29.33	2350	5.9					
	58	18.1	25	24.07	2200	7.2					
	69	15.2	20	20.21	2080	6.6					
	94	11.2	15	14.92	1880	7.1					
	112	9.4	12.5	12.47	1770	13.8					
	134	7.9	10	10.47	1670	12.7					
	181	5.8	7.5	7.73	1510	13.7					
	4.6	223	300	302.50	4800	0.9	KRV0633	MV6314	KRV0633	63B5	6314
	5.7	179	250	243.57	4800	1.1					
	7.1	145	200	196.43	4800	1.2					
	9.2	112	150	151.56	4650	1.8					
	11.5	90	125	122.22	4330	2.0					
	13.8	75	100	101.27	4070	2.0					
	19.1	54	75	73.33	3650	2.0					
	22	47	60	63.33	3480	3.9					
	27	39	50	52.48	3270	3.9					
	23	46	60	60.50	3420	4.4	KRV0632	MV6314	KRV0632	63B5	6314
	29	37	50	48.71	3190	5.5					
	36	30	40	39.29	2970	6.1					
	46	23	30	30.31	2720	8.8					
	4.7	219	300	297.21	6500	1.6	KRV0753	MV6314	KRV0753	63B5	6314
	5.8	177	250	240.89	6500	2.0					
	7.0	148	200	200.66	6500	2.0					
	9.3	111	150	151.20	6500	3.1					
	11.1	93	125	125.95	5980	3.2					
	14.1	73	100	99.22	5520	3.3					
	18.6	56	75	75.45	5040	3.6					

KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s					
0.12	4.7	217	300	297.21	8300	2.3	KRV0903	MV6314	KRV0903	63B5	6314
	5.8	177	250	240.89	8300	2.8					
	7.0	148	200	200.66	8300	3.2					
	9.3	111	150	151.20	8050	4.5					
0.18	9.6	161	300	291.79	4000	0.81	KRV0503	MV6312	KRV0503	63B5	6312
	11.5	135	250	244.29	3790	0.96					
	14.0	111	200	200.44	3550	1.2					
	19.1	81	150	146.67	3200	1.6					
	23	66	125	120.34	2990	2.0					
	28	56	100	101.04	2820	1.8					
	38	41	75	74.62	2550	1.9					
	45	34	60	62.36	2400	3.8					
	53	29	50	52.36	2270	3.5					
	11.6	133	125	120.34	3770	0.98	KRV0503	MV6324	KRV0503	63B5	6324
	13.9	112	100	101.04	3560	0.9					
	18.8	82	75	74.62	3220	0.97					
	22	69	60	62.36	3030	1.9					
	27	58	50	52.36	2860	1.7					
	24	66	60	58.36	2960	2.0	KRV0502	MV6324	KRV0502	63B5	6324
	29	55	50	48.86	2790	2.4					
	35	45	40	40.09	2610	2.9					
	48	33	30	29.33	2350	3.9					
	58	27	25	24.07	2200	4.8					
	69	23	20	20.21	2080	4.4					
	94	17.2	15	14.92	1880	4.7					
	14.4	107	60	62.36	3510	1.2	KRV0503	MV7116	KRV0503	71B5/B14	7116
	17.2	90	50	52.36	3310	1.1					
	15.4	103	60	58.36	3430	1.3	KRV0502	MV7116	KRV0502	71B5/B14	7116
	18.4	86	50	48.86	3240	1.5					
	22	70	40	40.09	3030	1.8					
	31	52	30	29.33	2730	2.5					
	37	42	25	24.07	2550	3.1					
	45	36	20	20.21	2410	2.8					
	60	26	15	14.92	2180	3.1					
	75	22	12.5	12.47	2050	5.9					
	89	18.4	10	10.47	1930	5.4					
	116	13.6	7.5	7.73	1750	5.9					
	9.3	167	300	302.50	4650	1.2	KRV0633	MV6312	KRV0633	63B5	6312
	11.5	135	250	243.57	4330	1.5					
	14.3	109	200	196.43	4030	1.7					
	18.5	84	150	151.56	3690	2.4					
	23	68	125	122.22	3440	2.7					

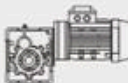
KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s					
0.18	28	56	100	101.27	3230	2.7	KRV0633	MV6312	KRV0633	63B5	6312
	38	41	75	73.33	2900	2.7					
	44	35	60	63.33	2760	5.1					
	53	29	50	52.48	2590	5.2					
	7.1	217	200	196.43	4800	0.83	KRV0633	MV6324	KRV0633	63B5	6324
	9.2	167	150	151.56	4650	1.2					
	11.5	135	125	122.22	4330	1.3					
	13.8	112	100	101.27	4070	1.3					
	19.1	81	75	73.33	3650	1.4					
	22	70	60	63.33	3480	2.6					
	27	58	50	52.48	3270	2.6					
	23	68	60	60.50	3430	2.9	KRV0632	MV6324	KRV0632	63B5	6324
	29	55	50	48.71	3190	3.6					
	36	44	40	39.29	2970	4.1					
	7.4	210	125	122.22	4800	0.86	KRV0633	MV7116	KRV0633	71B5/B14	7116
	8.9	174	100	101.27	4720	0.86					
	12.3	126	75	73.33	4230	0.87					
	14.2	109	60	63.33	4030	1.7					
	17.1	90	50	52.48	3790	1.7					
	14.9	106	60	60.50	3970	1.9	KRV0632	MV7116	KRV0632	71B5/B14	7116
	18.5	86	50	48.71	3690	2.3					
	23	69	40	39.29	3440	2.6					
	30	53	30	30.31	3150	3.8					
	37	43	25	24.44	2930	4.2					
	44	36	20	20.25	2760	4.2					
	61	26	15	14.67	2470	4.3					
	9.4	164	300	297.21	6320	2.1	KRV0753	MV6312	KRV0753	63B5	6312
	11.6	133	250	240.89	5890	2.6					
	14.0	111	200	200.66	5540	2.7					
	18.5	84	150	151.20	5040	4.2					
	4.7	328	300	297.21	6500	1.1	KRV0753	MV6324	KRV0753	63B5	6324
	5.8	266	250	240.89	6500	1.3					
	7.0	222	200	200.66	6500	1.4					
	9.3	167	150	151.20	6500	2.1					
	11.1	139	125	125.95	5980	2.2					
	14.1	110	100	99.22	5520	2.2					
	18.6	83	75	75.45	5040	2.4					
	3.7	414	250	240.89	6500	0.85					
	4.5	345	200	200.66	6500	0.87	KRV0753	MV7116	KRV0753	71B5	7116
	6.0	260	150	151.20	6500	1.3					

KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s					
0.18	7.1	217	125	125.95	6500	1.4	KRV0753	MV7116	KRV0753	71B5	7116
	9.1	171	100	99.22	6400	1.4					
	11.9	130	75	75.45	5840	1.5					
	14.4	107	60	62.43	5480	2.8					
	18.3	85	50	49.18	5060	2.8					
	15.1	107	60	59.44	5390	3.4	KRV0752	MV7116	KRV0752	71B5	7116
	18.7	85	50	48.18	5030	4.1					
	22	71	40	40.13	4730	4.3					
	9.5	163	300	297.21	7990	3.1	KRV0903	MV6312	KRV0903	63B5	6312
	11.6	133	250	240.89	7470	3.8					
	14.0	111	200	200.66	7030	4.3					
	4.7	326	300	297.21	8300	1.5	KRV0903	MV6324	KRV0903	63B5	6324
	5.8	266	250	240.89	8300	1.9					
	7.0	222	200	200.66	8300	2.2					
	9.3	167	150	151.20	8050	3.0					
	11.1	139	125	125.95	7580	3.4					
	14.1	110	100	99.22	7000	3.5					
	18.6	83	75	75.45	6390	3.6					
	3.0	507	300	297.21	8300	1.0	KRV0903	MV7116	KRV0903	71B5	7116
	3.7	414	250	240.89	8300	1.2					
	4.5	345	200	200.66	8300	1.4					
	6.0	260	150	151.20	8300	1.9					
	7.1	217	125	125.95	8300	2.2					
	9.1	171	100	99.22	8110	2.2					
	11.9	130	75	75.45	7400	2.3					
	14.4	107	60	62.43	6950	4.5					
	18.3	85	50	49.18	6420	4.5					
	3.0	520	300	296.10	10000	1.5	KRV1103	MV7116	KRV1103	71B5	7116
	3.7	420	250	244.29	10000	1.8					
	4.4	355	200	206.29	10000	2.1					
	5.9	264	150	153.33	10000	2.8					
	7.0	223	125	129.48	9840	3.4					
	8.7	178	100	103.64	9130	3.6					
	11.9	130	75	75.55	8220	4.0					
0.25	19.1	113	150	146.67	3200	1.2	KRV0503	MV6322	KRV0503	63B5	6322
	23	92	125	120.34	2990	1.4					
	28	78	100	101.04	2820	1.3					
	38	57	75	74.62	2550	1.4					
	45	48	60	62.36	2400	2.7					
	53	40	50	52.36	2270	2.5					

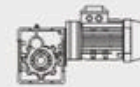
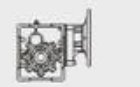
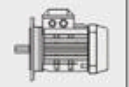
KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s					
0.25	22	96	60	62.36	3030	1.4	KRV0503	MV6334	KRV0503	71B5/B14	7114
	27	80	50	52.36	2860	1.2					
	24	92	60	58.36	2960	1.4	KRV0502	MV6334	KRV0502	71B5/B14	7114
	29	77	50	48.86	2790	1.7					
	35	63	40	40.09	2610	2.1					
	48	46	30	29.33	2350	2.8					
	58	38	25	24.07	2200	3.4					
	69	32	20	20.21	2080	3.2					
	94	23	15	14.92	1880	3.4					
	15.4	142	60	58.36	3430	0.9	KRV0502	MV7126	KRV0502	71B5/B14	7126
	18.4	119	50	48.86	3240	1.1					
	22	98	40	40.09	3030	1.3					
	31	72	30	29.33	2730	1.8					
	37	59	25	24.07	2550	2.2					
	45	49	20	20.21	2410	2.0					
	60	36	15	14.92	2180	2.2					
	72	30	12.5	12.47	2050	4.3					
	86	26	10	10.47	1930	3.9					
	116	19	7.5	7.73	1750	4.2					
	9.3	232	300	302.50	4650	0.86	KRV0633	MV6322	KRV0633	63B5	6322
	11.5	187	250	243.57	4330	1.1					
	14.3	151	200	196.43	4030	1.2					
	18.5	116	150	151.56	3690	1.7					
	23	94	125	122.22	3440	1.9					
	28	78	100	101.27	3230	1.9					
	38	56	75	73.33	2900	2.0					
	44	49	60	63.33	2760	3.7					
53	40	50	52.48	2590	3.7						
9.2	233	150	151.56	4650	0.86	KRV0633	MV6334	KRV0633	71B5/B14	7114	
11.5	188	125	122.22	4330	0.96						
13.8	155	100	101.27	4070	0.97						
19.1	113	75	73.33	350	1.0						
22	97	60	63.33	3480	1.9						
27	81	50	52.48	3270	1.9						
23	95	60	60.50	3430	2.1	KRV0632	MV6334	KRV0632	71B5/B14	7114	
29	76	50	48.71	3190	2.6						
36	62	40	39.29	2970	2.9						
46	48	30	30.31	2720	4.2						
14.2	151	60	63.33	4030	1.2	KRV0633	MV7126	KRV0633	71B5/B14	7126	
17.1	125	50	52.48	3790	1.2						

KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s				
0.25	14.9	148	60	60.50	3970	1.4	KRV0632	MV7126	KRV0632 71B5/B14	7126
	18.5	119	50	48.71	3690	1.7				
	23	96	40	39.29	3440	1.9				
	30	74	30	30.31	3150	2.7				
	37	60	25	24.44	2930	3.0				
	44	49	20	20.25	2760	3.0				
	61	36	15	14.67	2470	3.1				
	9.4	228	300	297.21	6320	1.5	KRV0753	MV6322	KRV0753 63B5	6322
	11.6	185	250	240.89	5890	1.9				
	14.0	154	200	200.66	5540	1.9				
	18.5	116	150	151.20	5040	3.0				
	22	97	125	125.95	4750	3.1				
	28	76	100	99.22	4380	3.2				
	37	58	75	75.45	4000	3.5				
	5.8	370	250	240.89	6500	0.95	KRV0753	MV6334	KRV0753 71B5	7114
	7.0	308	200	200.66	6500	1.0				
	9.3	232	150	151.20	6500	1.5				
	11.1	193	125	125.95	5980	1.6				
	14.1	152	100	99.22	5520	1.6				
	18.6	116	75	75.45	5040	1.7				
	22	96	60	62.43	4730	3.1				
	28	75	50	49.18	4370	3.2				
	24	93	60	59.44	4660	3.8	KRV0752	MV6334	KRV0752 71B5	7114
	29	76	50	48.18	4340	4.6				
	6.0	361	150	151.20	6500	0.97	KRV0753	MV7126	KRV0753 71B5	7126
	7.1	301	125	125.95	6500	1.0				
	9.1	237	100	99.22	6400	1.0				
	11.9	180	75	75.45	5840	1.1				
	14.4	149	60	62.43	5480	2.0				
	18.3	117	50	49.18	5060	2.0				
	15.1	145	60	59.44	5390	2.4				
	18.7	118	50	48.18	5030	3.0	KRV0752	MV7126	KRV0752 71B5	7126
	22	98	40	40.13	4730	3.1				
	9.5	227	300	297.21	7990	2.2	KRV0903	MV6322	KRV0903 63B5	6322
	11.6	185	250	240.89	7470	2.7				
	14.0	154	200	200.66	7030	3.1				
	18.5	116	150	151.20	6390	4.3				
	4.7	453	300	297.21	8300	1.1	KRV0903	MV6334	KRV0903 71B5	7114
	5.8	370	250	240.89	8300	1.4				
	7.0	308	200	200.66	8300	1.6				

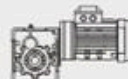
KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s					
0.25	9.3	232	150	151.20	8050	2.2	KRV0903	MV6334	KRV0903	71B5	7114
	11.1	193	125	125.95	7580	2.5					
	14.1	152	100	99.22	7000	2.5					
	18.6	116	75	75.45	6390	2.6					
	22	96	60	62.43	6000	5.0					
	28	75	50	49.18	5540	5.0					
	3.0	705	300	297.21	8300	0.71	KRV0903	MV7126	KRV0903	71B5	7126
	3.7	575	250	240.89	8300	0.9					
	4.5	479	200	200.66	8300	1.0					
	6.0	361	150	151.20	8300	1.4					
	7.1	301	125	125.95	8300	1.6					
	9.1	237	100	99.22	8110	1.6					
	11.9	180	75	75.45	7400	1.7					
	14.4	149	60	62.43	6950	3.2					
	18.3	117	50	49.18	6420	3.2	KRV0902	MV7126	KRV0902	71B5	7126
	15.2	144	60	59.44	6820	3.5					
	18.7	118	50	48.18	6370	4.3	KRV1103	MV6334	KRV1103	71B5	7114
	4.7	454	300	296.10	10000	1.7					
	5.7	375	250	244.29	10000	2.0					
	6.8	317	200	206.29	9920	2.4					
	9.1	235	150	153.33	8980	3.2					
	10.8	199	125	129.48	8490	3.8					
	13.5	159	100	103.64	7880	4.1					
	3.0	707	300	296.10	10000	1.1	KRV1103	MV7126	KRV1103	71B5	7126
	3.7	583	250	244.29	10000	1.3					
	4.4	493	200	206.29	10000	1.5					
	5.9	366	150	153.33	10000	2.0					
	7.0	309	125	129.48	9840	2.4					
8.7	247	100	103.64	9130	2.6						
11.9	180	75	75.55	8220	2.9						
0.37	23	137	125	120.34	2990	0.95	KRV0503	MV6332	KRV0503	71B5/B14	7112
	28	115	100	101.04	2820	0.87					
	38	85	75	74.62	2550	0.94					
	45	71	60	62.36	2400	1.8					
	53	59	50	52.36	2270	1.7					
	24	136	60	58.36	2960	0.96	KRV0502	MV7124	KRV0502	71B5/B14	7124
	29	113	50	48.86	2790	1.1					
	35	93	40	40.09	2610	1.4					
	48	68	30	29.33	2350	1.9					
	58	56	25	24.07	2200	2.3					

KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s				
0.37	69	47	20	20.212	2080	2.1	KRV0502	MV7124	KRV0502 71B5/B14	7124
	94	35	15	14.92	1880	2.3				
	112	29	12.5	12.47	1770	4.5				
	134	24	10	10.47	1670	4.1				
	181	17.9	7.5	7.73	1510	4.5				
	22	145	40	40.09	3030	0.9	KRV0502	MV8016	KRV0502 80B5/B14	8016
	31	106	30	29.33	2730	1.2				
	37	87	25	24.07	2550	1.5				
	45	73	20	20.21	2410	1.4				
	60	54	15	14.92	2180	1.5				
	72	45	12.5	12.47	2050	2.9				
	86	38	10	10.47	1930	2.6				
	116	28	7.5	7.73	1750	2.9				
	18.5	172	150	151.56	3690	1.2	KRV0633	MV6332	KRV0633 71B5/B14	7112
	23	139	125	122.22	3440	1.3				
	28	115	100	101.27	3230	1.3				
	38	83	75	73.33	2900	1.3				
	44	72	60	63.33	2760	2.5				
	53	60	50	52.48	2590	2.5				
	22	144	60	63.33	3480	1.3	KRV0633	MV7124	KRV0633 71B5/B14	7124
	27	119	50	52.48	3270	1.3				
	23	140	60	60.50	3430	1.4	KRV0632	MV7124	KRV0632 71B5/B14	7124
	29	113	50	48.71	3190	1.8				
	36	91	40	39.29	2970	2.0				
	46	70	30	30.31	2720	2.8				
	57	57	25	24.44	2530	3.2				
	69	47	20	20.25	2380	3.2				
	95	34	15	14.67	2130	3.2				
	14.9	219	60	60.50	3970	0.92	KRV0632	MV8016	KRV0632 80B5/B14	8016
	18.5	176	50	48.71	3690	1.1				
	23	142	40	39.29	3440	1.3				
	30	109	30	30.31	3150	1.8				
	37	88	25	24.44	2930	2.0				
	44	73	20	20.25	2760	2.1				
	61	53	15	14.67	2470	2.1				
	71	46	12.5	12.67	2360	3.9				
	86	38	10	10.50	2210	4.0				
	118	27	7.5	7.6	1990	4.0				
	9.4	338	300	297.21	6320	1.0	KRV0753	MV6332	KRV0753 71B5	7112
	11.6	274	250	240.89	5890	1.3				

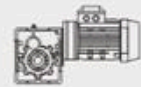
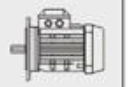
KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s					
0.37	14.0	228	200	200.66	5540	1.3	KRV0753	MV6332	KRV0753	71B5	7112
	18.5	172	150	151.20	5040	2.0					
	22	143	125	125.95	4750	2.1					
	28	113	100	99.22	4380	2.1					
	37	86	75	75.45	4000	2.3					
	45	71	60	62.43	3750	4.2					
	57	56	50	49.18	3470	4.3					
	9.3	343	150	151.20	6500	1.0	KRV0753	MV7124	KRV0753	71B5	7124
	11.1	286	125	125.95	5980	1.0					
	14.1	225	100	99.22	5520	1.1					
	18.6	171	75	75.45	5040	1.2					
	22	142	60	62.43	4730	2.1					
	28	112	50	49.18	4370	2.1					
	24	138	60	59.44	4660	2.5	KRV0752	MV7124	KRV0752	71B5	7124
	29	112	50	48.18	4340	3.1					
	35	93	40	40.13	4080	3.2					
	14.4	221	60	62.43	5480	1.4	KRV0753	MV8016	KRV0753	80B5/B14	8016
	18.3	174	50	49.18	5060	1.4					
	15.1	215	60	59.44	5390	1.6	KRV0752	MV8016	KRV0752	80B5/B14	8016
	18.7	174	50	48.18	5030	2.0					
	22	145	40	40.13	4730	2.1					
	30	109	30	30.24	4310	3.2					
	36	91	25	25.19	4050	3.3					
	45	72	20	19.84	3740	3.3					
	60	55	15	15.09	3410	3.7					
	9.5	335	300	297.21	7990	1.5	KRV0903	MV6332	KRV0903	71B5	7112
	11.6	274	250	240.89	7470	1.8					
	14.0	228	200	200.66	7030	2.1					
	18.5	172	150	151.20	6390	2.9					
	22	143	125	125.95	6010	3.4					
	28	113	100	99.22	5550	3.4					
	37	86	75	75.45	5070	3.5					
	4.7	671	300	297.21	8300	0.75	KRV0903	MV7124	KRV0903	71B5	7124
	5.8	547	250	240.89	8300	0.91					
	7.0	456	200	200.66	8300	1.1					
	9.3	343	150	151.20	8050	1.5					
	11.1	286	125	125.95	7580	1.7					
	14.1	225	100	99.22	7000	1.7					
	18.6	171	75	75.45	6390	1.8					
	22	142	60	62.43	6000	3.4					

KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s				
0.37	25	112	50	49.18	5540	3.4	KRV0903	MV7124	KRV0903 71B5	7124
	24	137	60	59.44	5890	3.6	KRV0902	MV7124	KRV0902 71B5	7124
	29	112	50	48.18	5500	4.5				
	6.0	534	150	151.20	8300	0.94				
	7.1	445	125	125.95	8300	1.1				
	9.1	351	100	99.22	8110	1.1				
	11.9	267	75	75.45	7400	1.1				
	14.4	221	60	62.43	6950	2.2				
	18.3	174	50	49.18	6420	2.2				
	15.2	213	60	59.44	6820	2.3	KRV0902	MV8016	KRV0902 80B5/B14	8016
	18.7	174	50	48.18	6370	2.9				
	22	145	40	40.13	6000	3.3				
	9.5	336	300	296.10	8880	2.2	KRV1103	MV6332	KRV1103 71B5	7112
	11.5	277	250	244.29	8330	2.7				
	13.6	234	200	206.29	7870	3.2				
	18.3	174	150	153.33	7130	4.3				
	4.7	673	300	296.10	10000	1.1	KRV1103	MV7124	KRV1103 71B5	7124
	5.7	555	250	244.29	10000	1.4				
	6.8	469	200	206.29	9920	1.6				
	9.1	348	150	153.33	8980	2.2				
	10.8	294	125	129.48	8490	2.5				
	13.5	235	100	103.64	7880	2.8				
	18.5	172	75	75.55	7090	3.0				
	4.4	729	200	206.29	10000	1.0	KRV1103	MV8016	KRV1103 80B5	8016
	5.9	542	150	153.33	10000	1.4				
	7.0	458	125	129.48	9840	1.6				
	8.7	366	100	103.64	9130	1.8				
	11.9	267	75	75.55	8220	1.9				
	14.0	227	60	64.18	7780	3.3				
17.5	182	50	51.37	7230	3.6					
	15.2	214	60	59.22	7580	3.5	KRV1102	MV8016	KRV1102 80B5	8016
	18.4	176	50	48.86	7118	4.2				
0.55	14.4	221	60	62.43	5480	1.4	KRV0503	MV7122	KRV0503 71B5/B14	7122
	18.3	174	50	49.18	5060	1.4				
	35	138	40	40.09	2610	0.94	KRV0502	MV8014	KRV0502 80B5/B14	8014
	48	101	30	29.33	2350	1.3				
	58	83	25	24.07	2200	1.6				
	69	70	20	20.21	2080	1.4				
	94	51	15	14.92	1880	1.6				
112	43	12.5	12.47	1770	3.0					

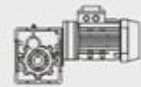
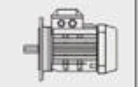
KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s				
0.55	134	36	10	10.47	1670	2.8	KRV0502	MV8014	KRV0502 80B5/B14	8014
	181	27	7.5	7.73	1510	3.0				
	37	129	25	24.07	2550	1.0	KRV0502	MV8026	KRV0502 80B5/B14	8026
	45	109	20	20.21	2410	0.92				
	60	80	15	14.92	2180	1.0				
	72	67	12.5	12.47	2050	1.9				
	86	56	10	10.47	1930	1.8				
	116	42	7.5	7.73	1750	1.9				
	23	206	125	122.22	3440	0.87	KRV0633	MV7122	KRV0633 71B5/B14	7122
	28	171	100	101.27	3230	0.88				
	38	124	75	73.33	2900	0.9				
	44	107	60	63.33	2760	1.7				
	53	89	50	52.48	2590	1.7				
	23	209	60	60.50	3430	0.96	KRV0632	MV8014	KRV0632 80B5/B14	8014
	29	168	50	48.71	3190	1.2				
	36	136	40	39.29	2970	1.3				
	46	105	30	30.31	2720	1.9				
	57	84	25	24.44	2530	2.1				
	69	70	20	20.25	2380	2.1				
	95	51	15	14.67	2130	2.2				
	110	44	12.5	12.67	2030	4.1				
	133	36	10	10.50	1910	4.1				
	184	26	7.5	7.60	1710	4.2				
	23	216	40	39.29	3440	0.85	KRV0632	MV8026	KRV0632 80B5/B14	8026
	30	163	30	30.31	3150	1.2				
	37	131	25	24.44	2930	1.4				
	44	109	20	20.25	2760	1.4				
	61	79	15	14.67	2470	4.4				
	71	68	12.5	12.67	2360	2.6				
	86	56	10	10.50	2210	2.7				
	118	41	7.5	7.60	1990	2.7				
	11.6	407	250	240.89	5890	0.86	KRV0753	MV7122	KRV0753 71B5	7122
	14.0	339	200	200.66	5540	0.9				
	18.5	255	150	151.20	5040	1.4				
	22	213	125	125.95	4750	1.4				
	28	168	100	99.22	4380	1.4				
	37	127	75	75.45	4000	1.6				
	45	105	60	62.43	3750	2.8				
	57	83	50	49.18	3470	2.9				
	18.6	255	75	75.45	5040	0.8	KRV0753	MV8014	KRV0753 80B5/B14	8014

KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s				
0.55	22	211	60	62.43	4730	1.4	KRV0753	MV8014	KRV0753 80B5/B14	8014
	28	166	50	49.18	4370	1.4				
	24	205	60	59.44	4660	1.7	KRV0752	MV8014	KRV0752 80B5/B14	8014
	29	166	50	48.18	4340	2.1				
	35	139	40	40.13	4080	2.2				
	46	104	30	30.24	3720	3.4				
	56	87	25	25.19	3500	3.5				
	71	68	20	19.84	3230	3.5				
	93	52	15	15.09	2950	3.8				
	14.4	328	60	62.43	5480	0.91	KRV0753	MV8026	KRV0753 80B5/B14	8026
	18.3	258	50	49.18	5060	0.93				
	15.1	319	60	59.45	5390	1.1	KRV0752	MV8026	KRV0752 80B5/B14	8026
	18.7	259	50	48.18	5030	1.4				
	22	215	40	40.13	4730	1.4				
	30	162	30	30.24	4310	2.2				
	36	135	25	25.19	4050	2.2				
	45	107	20	19.84	3740	2.3				
	60	81	15	15.09	3410	2.5				
	9.5	498	300	297.21	7990	1.0	KRV0903	MV7122	KRV0903 71B5	7122
	11.6	407	250	240.89	7470	1.2				
	14.0	339	200	200.66	7030	1.4				
	18.5	255	150	151.20	6390	2.0				
	22	213	125	125.95	6010	2.3				
	28	168	100	99.22	5550	2.3				
	37	127	75	75.45	5070	2.4				
	45	105	60	62.43	4760	4.6				
	57	83	50	49.18	4390	4.6				
	9.3	511	150	151.20	8050	1.0				
	11.1	425	125	125.95	7580	1.1				
	14.1	335	100	99.22	7000	1.1				
	18.6	255	75	75.45	6390	1.2				
	22	211	60	62.43	6000	2.3				
	28	166	50	49.18	5540	2.3	KRV0902	MV8014	KRV0902 80B5/B14	8014
	24	204	60	59.44	5890	2.5				
	29	166	50	48.18	5500	3.0				
	35	139	40	40.13	5170	3.5				
	46	104	30	30.24	4710	4.8	KRV0903	MV8026	KRV0903 80B5/B14	8026
	14.4	328	60	62.43	6950	1.5				
	18.3	258	50	49.18	6420	1.5	KRV0902	MV8026	KRV0902 80B5/B14	8026
	15.2	314	60	59.44	6820	1.6				

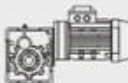
KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s				
0.55	18.7	259	50	48.18	6370	1.9	KRV0902	MV8026	KRV0902 80B5/B14	8026
	22	215	40	40.13	6000	2.2				
	30	162	30	30.24	5460	3.1				
	36	135	25	25.19	5130	3.5				
	45	107	20	19.84	4740	3.6				
	60	81	15	15.09	4330	3.7				
	9.5	500	300	296.10	8880	1.5	KRV1103	MV7122	KRV1103 71B5	7122
	11.5	412	250	244.29	8330	1.8				
	13.6	348	200	206.29	7870	2.2				
	18.3	259	150	153.33	7130	2.9				
	22	219	125	129.48	6740	3.4				
	27	175	100	103.64	6260	3.7				
	37	128	75	75.55	5630	4.1	KRV1103	MV8014	KRV1103 80B5	8014
	5.7	825	250	244.29	10000	0.91				
	6.8	697	200	206.29	9920	1.1				
	9.1	518	150	153.33	8980	1.4				
	10.8	437	125	129.48	8490	1.7				
	13.5	350	100	103.64	7880	1.9				
	18.5	255	75	75.55	7090	2.0				
	22	217	60	64.18	6720	3.5				
	27	173	50	51.37	6240	3.7	KRV1102	MV8014	KRV1102 80B5	8014
	24	204	60	59.22	6540	3.7				
	29	169	50	48.86	6130	4.4	KRV1103	MV8026	KRV1103 80B5	8026
	5.9	805	150	153.33	10000	0.93				
	7.0	680	125	129.48	9840	1.1				
	8.7	544	100	103.64	9130	1.2				
	11.9	397	75	75.55	8220	1.3				
	14.0	337	60	64.18	7780	2.2				
	17.5	270	50	51.37	7230	2.4	KRV1102	MV8026	KRV1102 80B5	8026
	15.2	318	60	59.22	7580	2.4				
	18.4	262	50	48.86	7110	2.9				
	22	222	40	41.26	6720	3.4				
	29	165	30	30.67	6090	4.6	KRV0502	MV8024	KRV0502 80B5/B14	8024
	48	138	30	29.33	2350	0.94				
	58	113	25	24.07	2200	1.1				
	69	95	20	20.21	2080	1.1				
94	70	15	14.92	1880	1.1					
112	59	12.5	12.47	1770	2.2					
134	49	10	10.47	1670	2.0					
181	36	7.5	7.73	1510	2.2					

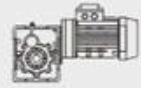
KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s				
0.75	72	91	12.5	12.47	2050	1.4	KRV0502	MV90S6	KRV0502 90B5/B14	90S6
	86	77	10	10.47	1930	1.3				
	116	57	7.5	7.73	1750	1.4				
	44	146	60	63.33	2760	1.2	KRV0633	MV8012	KRV0633 80B5/B14	8012
	53	121	50	52.48	2590	1.2				
	29	229	50	48.71	3190	0.87	KRV0632	MV8024	KRV0632 80B5/B14	8024
	36	185	40	39.29	2970	0.97				
	46	143	30	30.31	2720	1.4				
	57	115	25	24.44	2530	1.6				
	69	95	20	20.25	2380	1.6				
	95	69	15	14.67	2130	1.6				
	110	60	12.5	12.67	2030	3.0				
	133	49	10	10.50	1910	3.0				
	184	36	7.5	7.60	1710	3.1				
	30	222	30	30.31	3150	0.9	KRV0632	MV90S6	KRV0632 90B5/B14	90S6
	37	179	25	24.44	2930	1.0				
	44	148	20	20.25	2760	1.0				
	61	107	15	14.67	2470	1.0				
	74	93	12.5	12.67	2360	1.9				
	86	77	10	10.50	2210	2.0				
	118	56	7.5	7.60	1990	2.0				
	18.5	348	150	151.20	5040	1.0	KRV0753	MV8012	KRV0753 80B5/B14	8012
	22	290	125	125.95	4750	1.0				
	28	228	100	99.22	4380	1.1				
	37	174	75	75.45	4000	1.2				
	45	144	60	62.43	3750	2.1				
	57	113	50	49.18	3470	2.1				
	22	287	60	62.43	4730	1.0	KRV0753	MV8024	KRV0753 80B5/B14	8024
	28	226	50	49.18	4370	1.1				
	24	280	60	59.44	4660	1.3	KRV0752	MV8024	KRV0752 80B5/B14	8024
	29	227	50	48.18	4340	1.5				
	35	189	40	40.13	4080	1.6				
	46	142	30	30.24	3720	2.5				
	56	119	25	25.19	3500	2.5				
	71	93	20	19.84	3230	2.6				
	93	71	15	15.09	2950	2.8				
	18.7	353	50	48.18	5030	1.0	KRV0752	MV90S6	KRV0752 90B5/B14	90S6
	22	294	40	40.13	4730	1.0				
	30	221	30	30.24	4310	1.6				
	36	184	25	25.19	4050	1.6				

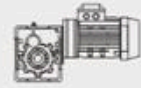
KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s				
0.75	45	145	20	19.84	3740	1.7	KRV0752	MV90S6	KRV0752 90B5/B14	90S6
	60	110	15	15.09	3410	1.8				
	72	91	12.5	12.49	3210	3.3				
	91	72	10	9.84	2960	3.3				
	120	55	7.5	7.48	2700	3.7				
	11.6	555	250	240.89	7470	0.9	KRV0903	MV8012	KRV0903 80B5/B14	8012
	14.0	462	200	200.66	7030	1.0				
	18.5	348	150	151.20	6390	1.4				
	22	290	125	125.95	6010	1.7				
	28	228	100	99.22	5550	1.7				
	37	174	75	75.45	5070	1.7				
	45	144	60	62.43	4760	3.3				
	57	113	50	49.18	4390	3.4				
	11.1	580	125	125.95	7580	0.83	KRV0903	MV8024	KRV0903 80B5/B14	8024
	14.1	457	100	99.22	7000	0.83				
	18.6	247	75	75.45	6390	0.86				
	22	287	60	62.43	6000	1.7				
	28	226	50	49.18	5540	1.7				
	24	278	60	59.44	5890	1.8	KRV0902	MV8024	KRV0902 80B5/B14	8024
	29	227	50	48.18	5500	2.2				
	35	189	40	40.13	5170	2.5				
	46	142	30	30.24	4710	3.5				
	56	119	25	25.19	4430	4.0				
	71	93	20	19.84	4090	4.1				
	93	71	15	15.09	3730	4.2				
	14.4	447	60	62.43	6950	1.1	KRV0903	MV90S6	KRV0903 90B5/B14	90S6
	18.3	352	50	49.18	6420	1.1				
	15.2	432	60	59.44	6820	1.2	KRV0902	MV90S6	KRV0902 90B5/B14	90S6
	18.7	353	50	48.18	6370	1.4				
	22	294	40	40.13	6000	1.6				
	30	221	30	30.24	5460	2.3				
	36	184	25	25.19	5130	2.6				
	45	145	20	19.84	4740	2.6				
	60	110	15	15.09	4330	2.7				
	9.5	682	300	296.10	8880	1.1	KRV1103	MV8012	KRV1103 80B5	8012
	11.5	562	250	244.29	8330	1.3				
	13.6	475	200	206.29	7870	1.6				
	18.3	353	150	153.33	7130	2.1				
	22	298	125	129.48	6740	2.5				
	27	239	100	103.64	6260	2.7				

KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s			
0.75	37	174	75	75.55	5630	3.0	KRV1103	MV8012	KRV1103 80B5 8012
	9.1	706	150	153.33	8980	1.1	KRV1103	MV8024	KRV1103 80B5 8024
	10.8	596	125	129.48	8490	1.3			
	13.5	477	100	103.64	7880	1.4			
	18.5	348	75	75.55	7090	1.5			
	22	296	60	64.18	6720	2.5			
	27	237	50	51.37	6240	2.7			
	24	279	60	59.22	6540	2.7	KRV1102	MV8024	KRV1102 80B5 8024
	29	230	50	48.86	6130	3.3			
	34	194	40	41.26	5800	3.9			
	8.7	742	100	103.64	9130	0.88	KRV1103	MV90S6	KRV1103 90B5/B14 90S6
	11.9	541	75	75.55	8220	0.96			
	14.0	460	60	64.18	7780	1.6			
	17.5	368	50	51.37	7230	1.8			
	15.2	343	60	59.22	7580	1.7			
	18.4	358	50	48.86	7110	2.1			
	22	302	40	41.26	6720	2.5	KRV1102	MV90S6	KRV1102 90B5/B14 90S6
	29	225	30	30.67	6090	3.3			
	35	190	25	25.90	5750	4.0			
	43	152	20	20.73	5340	4.3			
1.1	112	86	12.5	12.47	1770	1.5	KRV0502	MV90S4	KRV0502 90B5/B14 90S4
	134	72	10	10.47	1670	1.4			
	181	53	7.5	7.73	1510	1.5			
	72	134	12.5	12.47	2050	0.97	KRV0502	MV90L6	KRV0502 90B5/B14 90L6
	86	112	10	10.47	1930	0.89			
	116	83	7.5	7.73	1750	0.96			
	46	209	30	30.31	2720	0.96	KRV0632	MV90S4	KRV0632 90B5/B14 90S4
	57	169	25	24.44	2530	1.1			
	69	140	20	20.25	2380	1.1			
	95	101	15	14.67	2130	1.1			
	110	87	12.5	12.67	2030	2.1			
	133	72	10	10.50	1910	2.1			
	184	52	7.5	7.60	1710	2.1	KRV0632	MV90L6	KRV0632 90B5/B14 90L6
	71	136	12.5	12.67	2360	1.3			
	86	113	10	10.50	2210	1.3			
	118	82	7.5	7.60	1990	1.3	KRV0753	MV8022	KRV0753 80B5/B14 8022
	45	211	60	62.43	3750	1.4			
	57	166	50	49.18	3470	1.4			
	24	410	60	59.44	4660	0.85	KRV0752	MV90S4	KRV0752 90B5/B14 90S4
	29	333	50	48.18	4340	1.1			

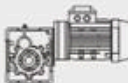
KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s			
0.75	35	277	40	40.13	4080	1.1	KRV0752	MV90S4	KRV0752 90B5/B14 90S4
	46	209	30	30.24	3720	1.7			
	56	174	25	25.19	3500	1.7			
	71	137	20	19.84	3230	1.8			
	93	104	15	15.09	2950	1.9			
	112	83	12.5	12.49	2770	3.5			
	142	68	10	9.84	2550	3.5			
	187	52	7.5	7.48	2330	3.9			
	30	325	30	30.24	4310	1.1	KRV0752	MV90L6	KRV0752 90B5/B14 90L6
	36	271	25	25.19	4050	1.1			
	45	213	20	19.84	3740	1.1			
	60	162	15	15.09	3410	1.2			
	72	134	12.5	12.49	3210	2.2			
	91	106	10	9.84	2960	2.3			
	120	80	7.5	7.48	2700	2.5			
1.1	18.5	511	150	151.20	6390	1.0	KRV0903	MV8022	KRV0903 80B5/B14 8022
	22	425	125	125.95	6010	1.1			
	28	335	100	99.22	5550	1.1			
	37	255	75	75.45	5070	1.2			
	45	211	60	62.43	4760	2.3			
	57	166	50	49.18	4390	2.3			
	22	422	60	62.43	6000	1.1	KRV0903	MV90S4	KRV0903 90B5/B14 90S4
	28	332	50	49.18	5540	1.1			
	24	408	60	59.44	5890	1.2			
	29	333	50	48.18	5500	1.5	KRV0902	MV90S4	KRV0902 90B5/B14 90S4
	35	277	40	40.13	5170	1.7			
	46	209	30	30.24	4710	2.4			
	56	174	25	25.19	4430	2.8			
	71	137	20	19.84	4090	2.8			
	93	104	15	15.09	3730	2.9			
	15.2	634	60	59.44	6820	0.8	KRV0902	MV90L6	KRV0902 90B5/B14 90L6
	18.7	517	50	48.18	6370	0.97			
	22	431	40	40.13	6000	1.1			
	30	325	30	30.24	5460	1.5			
	36	271	25	25.19	5130	1.8			
	45	213	20	19.84	4740	1.8			
	60	162	15	15.09	4330	1.9			
	72	134	12.5	12.49	4060	3.6			
	91	106	10	9.84	3750	3.6			
	120	80	7.5	7.48	3420	3.7			

KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s					
1.1	11.5	825	250	244.29	8330	0.91	KRV1103	MV8022	KRV1103	80B5	8022
	13.6	697	200	206.29	7870	1.1					
	18.3	518	150	153.33	7130	1.4					
	22	437	125	129.48	6740	1.7					
	27	350	100	103.64	6260	1.9					
	37	255	75	75.55	5630	2.0					
	44	217	60	64.18	5330	3.5					
	55	173	50	51.37	4950	3.7					
	10.8	874	125	129.48	8490	0.86	KRV1103	MV90S4	KRV1103	90B5/B14	90S4
	13.5	700	100	103.64	7880	0.93					
	18.5	510	75	75.55	7090	1.0					
	22	433	60	64.18	6720	1.7					
	27	347	50	51.37	6240	1.9					
	24	409	60	59.22	6540	1.8	KRV1102	MV90S4	KRV1102	90B5/B14	90S4
	29	337	50	48.86	6130	2.2					
	34	285	40	41.26	5800	2.6					
	46	212	30	30.67	5250	3.5					
	54	179	25	25.90	4960	4.2					
	68	143	20	20.73	4610	4.5					
	14.0	674	60	64.18	7780	1.1	KRV1103	MV90L6	KRV1103	90B5/B14	90L6
	17.5	540	50	51.37	7230	1.2					
	15.2	636	60	59.22	7580	1.2	KRV1102	MV90L6	KRV1102	90B5/B14	90L6
	18.4	525	50	48.86	7110	1.4					
	22	443	40	41.26	6720	1.7					
	29	329	30	30.67	6090	2.3					
	35	278	25	25.90	5750	2.7					
	43	223	20	20.73	5340	2.9					
	60	162	15	15.11	4810	3.2					
1.5	112	117	12.5	12.47	1770	1.1	KRV0502	MV90L4	KRV0502	90B5/B14	90L4
	134	99	10	10.47	1670	1.0					
	181	73	7.5	7.73	1510	1.1					
	57	230	25	24.44	2530	0.8	KRV0632	MV90L4	KRV0632	90B5/B14	90L4
	69	191	20	20.25	2380	0.8					
	95	138	15	14.67	2130	0.8					
	110	119	12.5	12.67	2030	1.5					
	133	99	10	10.50	1910	1.5					
	184	72	7.5	7.60	1710	1.5					
	45	287	60	62.43	3750	1.0	KRV0753	MV90S2	KRV0753	90B5/B14	90S2
	57	226	50	49.18	3470	1.1					
	29	454	50	48.18	4340	0.77	KRV0752	MV90L4	KRV0752	90B5/B14	90L4

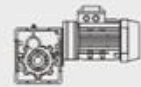
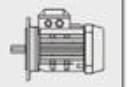
KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s					
1.5	35	378	40	40.13	4080	0.79	KRV0752	MV90L4	KRV0752	90B5/B14	90L4
	46	285	30	30.24	3720	1.2					
	56	237	25	25.19	3500	1.3					
	71	187	20	19.84	3230	1.3					
	93	142	15	15.09	2950	1.4					
	112	118	12.5	12.49	2770	2.6					
	142	93	10	9.84	2550	2.6					
	187	70	7.5	7.48	2330	2.8					
	45	291	20	19.84	3740	0.83	KRV0752	MV100L6	KRV0752	100B5/B14	100L6
	60	221	15	15.09	3410	0.91					
	72	183	12.5	12.49	3210	1.6					
	91	144	10	9.84	2960	1.7					
	120	110	7.5	7.48	2700	1.8					
	22	580	125	125.95	6010	0.83	KRV0903	MV90S2	KRV0903	90B5/B14	90S2
	28	457	100	99.22	5550	0.85					
	37	347	75	75.45	5070	0.86					
	45	287	60	62.43	4760	1.7					
	57	226	50	49.18	4390	1.7					
	24	556	60	59.44	5890	0.9	KRV0902	MV90L4	KRV0902	90B5/B14	90L4
	29	454	50	48.18	5500	1.1					
	35	378	40	40.13	5170	1.3					
	46	285	30	30.24	4710	1.8					
	56	237	25	25.19	4430	2.0					
	71	187	20	19.84	4090	2.0					
	93	142	15	15.09	3730	2.1					
	112	118	12.5	12.49	3510	4.1					
	142	93	10	9.84	3240	4.1					
	187	70	7.5	7.48	2950	4.3					
	30	443	30	30.24	5460	1.1	KRV0902	MV100L6	KRV0902	100B5/B14	100L6
	36	369	25	25.19	5130	1.3					
	45	291	20	19.84	4740	1.3					
	60	221	15	15.09	4330	1.4					
72	183	12.5	12.49	4060	2.6						
91	144	10	9.84	3750	2.6						
120	110	7.5	7.48	3420	2.7						
18.3	706	150	153.33	7130	1.1	KRV1103	MV90S2	KRV1103	90B5/B14	90S2	
22	596	125	129.48	6740	1.3						
27	477	100	103.64	6260	1.4						
37	348	75	75.55	5630	1.5						
44	296	60	64.18	5330	2.5						

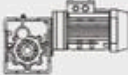
KRV PERFORMANCE PARAMETER

P_{1n} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s				
1.5	55	237	50	51.37	4950	2.7	KRV1103	MV90S2	KRV1103 90B5/B14	90S2
	22	591	60	64.18	6720	1.3	KRV1103	MV90L4	KRV1103 90B5/B14	90L4
	27	473	50	51.37	6240	1.4				
	24	557	60	59.22	6540	1.3	KRV1102	MV90L4	KRV1102 90B5/B14	90L4
	29	460	50	48.86	6130	1.6				
	34	388	40	41.26	5800	1.9				
	46	289	30	30.67	5250	2.6				
	54	244	25	25.9	4960	3.1				
	68	195	20	20.73	4610	3.3				
	93	142	15	15.11	4150	3.7				
	15.2	867	60	59.22	7580	0.86	KRV1102	MV100L6	KRV1102 100B5/B14	100L6
	18.4	715	50	48.86	7110	1.0				
	22	604	40	41.26	6720	1.2				
	29	449	30	30.67	6090	1.7				
	35	379	25	25.9	5750	2.0				
	43	304	20	20.73	5340	2.1				
	60	221	16	15.11	4810	2.4				
	70	188	12.5	12.84	4550	4.0				
	88	150	10	10.27	4220	4.3				
	120	110	7.5	7.49	3800	4.7				
2.2	46	418	30	30.24	3720	0.84	KRV0752	MV100L1-4	KRV0752 100B5/B14	100L1-4
	56	348	25	25.19	3500	0.86				
	71	274	20	19.84	3230	0.88				
	93	208	15	15.09	2950	0.96				
	112	172	12.5	12.49	2770	1.7				
	142	136	10	9.84	2550	1.8				
	187	103	7.5	7.48	2330	1.9				
	72	268	12.5	12.49	3210	1.1	KRV0752	MV112M6	KRV0752 112B5/B14	112M6
	91	211	10	9.84	2960	1.1				
	120	161	7.5	7.48	2700	1.2				
	45	422	60	62.43	4760	1.1	KRV0903	MV90L2	KRV0903 90B5/B14	90L2
	57	332	50	49.18	4390	1.1				
	35	554	40	40.13	5170	0.87	KRV0902	MV100L1-4	KRV0902 100B5/B14	100L1-4
	46	418	30	30.24	4710	1.2				
	56	348	25	25.19	4430	1.4				
	71	274	20	19.84	4090	1.4				
	93	208	15	15.09	3730	1.4				
	112	172	12.5	12.49	3510	2.8				
142	136	10	9.84	3240	2.8					
187	103	7.5	7.48	2950	2.9					

KRV PERFORMANCE PARAMETER

P_{in} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s				
2.2	36	541	25	25.19	5130	0.9	KRV0902	MV112M6	KRV0902 100B5/B14	112M6
	45	426	20	19.84	4740	0.9				
	60	324	15	15.09	4330	0.93				
	72	268	12.5	12.49	4060	1.8				
	91	211	10	9.84	3750	1.8				
	120	161	7.5	7.48	3420	1.9				
	22	874	125	129.48	6740	0.86	KRV1103	MV90L2	KRV1103 90B5/B14	90L2
	27	700	100	103.64	6260	0.93				
	37	510	75	75.55	5630	1.0				
	44	433	60	64.18	5330	1.7				
	55	347	50	51.37	4950	1.9				
	24	818	60	59.22	6540	0.92	KRV1102	MV100L1-4	KRV1102 100B5/B14	100L1-4
	29	675	50	48.86	6130	1.1				
	34	570	40	41.26	5800	1.3				
	46	423	30	30.67	5250	1.8				
	54	358	25	25.9	4960	2.1				
	68	286	20	20.73	4610	2.3				
	93	209	15	15.11	4150	2.5				
	109	177	12.5	12.84	3930	4.2				
	136	142	10	10.27	3650	4.6				
	187	103	7.5	7.49	3280	5.0				
29	659	30	30.67	6090	1.1	KRV1102	MV112M6	KRV1102 112B5/B14	112M6	
35	556	25	25.9	5750	1.3					
43	445	20	20.73	5340	1.5					
60	325	15	15.11	4810	1.6					
70	276	12.5	12.84	4550	2.7					
88	221	10	10.27	4220	2.9					
120	161	7.5	7.49	3800	3.2					
3.0	112	235	12.5	12.49	2770					1.3
	142	185	10	9.84	2550	1.3				
	187	141	7.5	7.48	2330	1.4				
	46	569	30	30.24	4710	0.9	KRV0902	MV100L2-4	KRV0902 100B5/B14	100L2-4
	56	474	25	25.19	4430	1.0				
	71	374	20	19.84	4090	1.0				
	93	284	15	15.09	3730	1.1				
	112	235	12.5	12.49	3510	2.0				
	142	185	10	9.84	3240	2.1				
	187	141	7.5	7.48	2950	2.1				
	44	591	60	64.18	5330	1.3				
	55	473	50	51.37	4950	1.4				

KRV PERFORMANCE PARAMETER

P_{in} [kW]	n_2 [r/min]	M_{2max} [Nm]	i Nominal	i Actual	F_{r2} [N]	f_s			
3.0	34	777	40	41.26	5800	0.97	KRV1102 MV100L2-4	KRV1102 100B5/B14	100L2-4
	46	577	30	30.67	5250	1.3			
	54	488	25	25.90	4960	1.5			
	68	390	20	20.73	4610	1.7			
	93	284	15	15.11	4150	1.8			
	109	242	12.5	12.84	3930	3.1			
	136	193	10	10.27	3650	3.4			
	187	141	7.5	7.49	3280	3.7			
	35	759	25	25.90	5750	1.0	KRV1102 MV132S6	KRV1102 132B5	132S6
	43	607	20	20.73	5340	1.1			
	60	443	15	15.11	4810	1.2			
	70	376	12.5	12.84	4550	2.0			
	88	301	10	10.27	4220	2.2			
	120	219	7.5	7.49	3800	2.4			
4.0	112	314	12.5	12.49	2770	0.96	KRV0752 MV112M4	KRV0752 100B5/B14	112M4
	142	247	10	9.84	2550	1.0			
	187	188	7.5	7.48	2330	1.1			
	112	314	12.5	12.49	3510	1.5	KRV0902 MV112M4	KRV0902 112B5/B14	112M4
	142	247	10	9.84	3240	1.5			
	187	188	7.5	7.48	2950	1.6			
	46	770	30	30.67	5250	1.0	KRV1102 MV112M4	KRV1102 112B5/B14	112M4
	54	650	25	25.9	4960	1.2			
	68	520	20	20.73	4610	1.2			
	93	379	15	15.11	4150	1.4			
	109	322	12.5	12.84	3930	2.3			
	136	258	10	10.27	3650	2.5			
	187	188	7.5	7.49	3280	2.8			
5.5	68	716	20	20.73	4610	0.9	KRV1102 MV132S4	KRV1102 132B5	132S4
	93	522	15	15.11	4150	1.0			
	109	443	12.5	12.84	3930	1.7			
	136	354	10	10.27	3650	1.8			
	187	259	7.5	7.49	3280	2.0			

KRV PERFORMANCE PARAMETER

KRV... Performance Parameter

 $n_1=1400\text{r/min}$

M_{2max} [Nm]	n_2 [r/min]	i Nominal	i Actual	P_{in} [kW]	F_{r2} [N]	F_{r1} [N]	
130	4.8	300	291.79	0.07	4100	400	KRV0503..HS
130	5.7	250	244.29	0.09	4100	400	
130	7.0	200	200.44	0.11	4100	400	
130	9.5	150	146.67	0.14	4000	400	
130	11.6	125	120.34	0.18	3770	400	
100	13.9	100	101.04	0.16	3560	400	
80	18.8	75	74.62	0.17	3220	400	
130	22	60	62.36	0.34	3030	400	
100	27	50	52.36	0.31	2860	400	
130	24	60	58.36	0.35	2960	400	KRV0502..HS
130	29	50	48.86	0.42	2790	400	
130	35	40	40.09	0.52	2610	400	
130	48	30	29.33	0.71	2350	400	
130	58	25	24.07	0.86	2200	400	
100	69	20	20.21	0.79	2080	400	
80	94	15	14.92	0.85	1880	400	
130	112	12.5	12.47	1.7	1770	400	
100	134	10	10.47	1.5	1670	400	
80	181	7.5	7.73	1.6	1510	400	
200	4.6	300	302.5	0.11	4800	400	KRV0633..HS
200	5.7	250	243.57	0.13	4800	400	
180	7.1	200	196.43	0.15	4800	400	
200	9.2	150	151.56	0.21	4650	400	
180	11.5	125	122.22	0.24	4330	400	
150	13.8	100	101.27	0.24	4070	400	
110	19.1	75	73.33	0.24	3650	400	
180	22	60	63.33	0.46	3480	400	
150	27	50	52.48	0.47	3270	400	
200	23	60	60.50	0.53	3430	530	KRV0632..HS
200	29	50	48.71	0.65	3190	530	
180	36	40	39.29	0.73	2970	530	
200	46	30	30.31	1.1	2720	530	
180	57	25	24.44	1.2	2530	530	
150	69	20	20.25	1.2	2380	530	
110	95	15	14.67	1.2	2130	530	
180	110	12.5	12.67	2.3	2030	530	
150	133	10	10.50	2.3	1910	530	
110	184	7.5	7.60	2.3	1710	530	

KRV PERFORMANCE PARAMETER

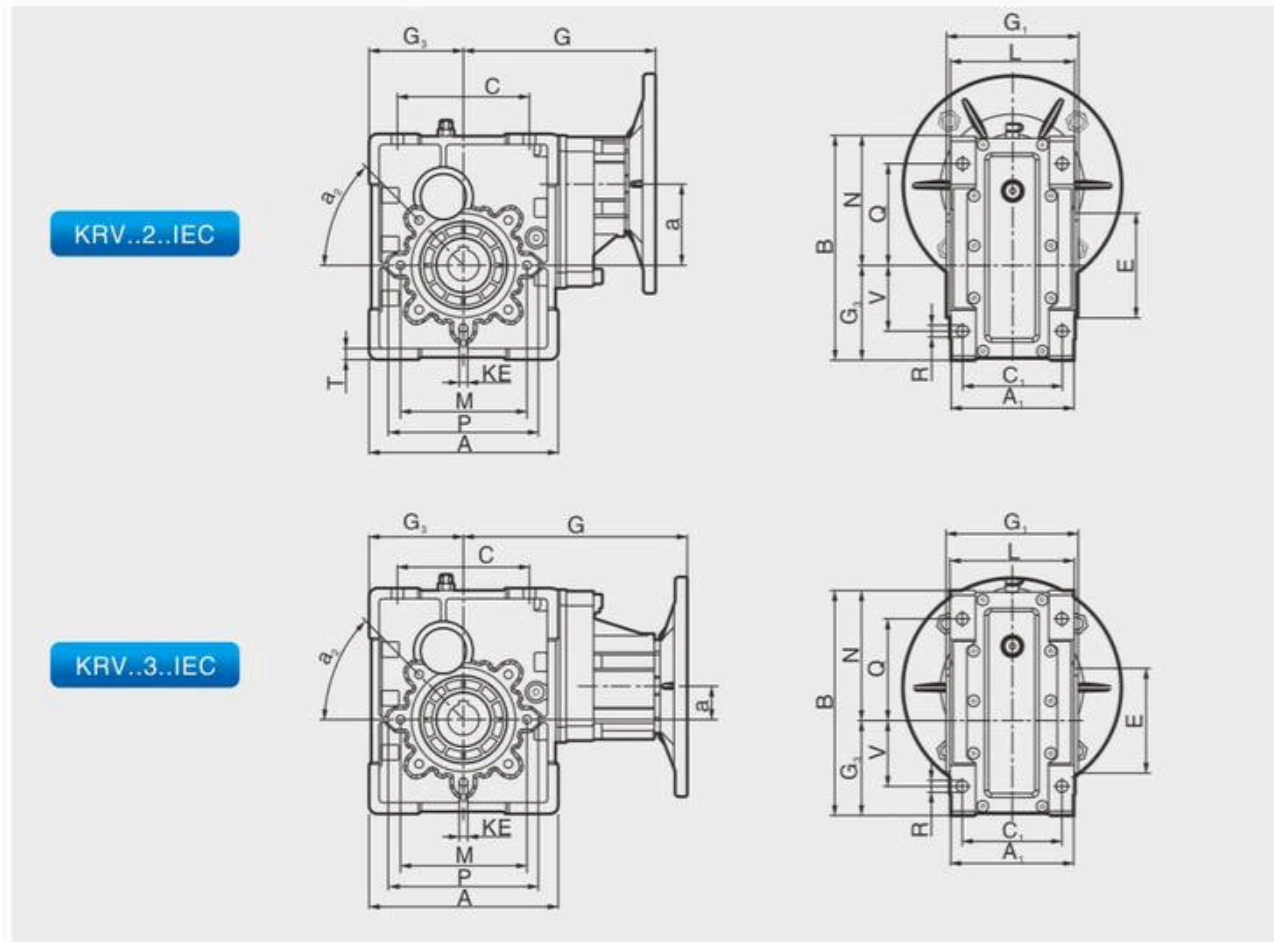
M _{2max} [Nm]	n ₂ [r/min]	i Nominal	i Actual	P _{1n} [kW]	F _{r2} [N]	F _{r1} [N]	
350	4.7	300	297.21	0.19	6500	560	KRV0753..HS
350	5.8	250	240.86	0.24	6500	560	
300	7.0	200	200.66	0.24	6500	560	
350	9.3	150	151.20	0.38	6500	560	
300	11.1	125	125.95	0.39	5980	560	
240	14.1	100	99.22	0.39	5520	560	
200	18.6	75	75.45	0.43	5040	560	
300	22	60	62.43	0.78	4730	560	
240	28	50	49.18	0.79	4370	560	
350	24	60	59.44	0.94	4660	860	KRV0752..HS
350	29	50	48.18	1.2	4340	860	
300	35	40	40.13	1.2	4080	860	
350	46	30	30.24	1.8	3720	860	
300	56	25	25.19	1.9	3500	860	
240	71	20	19.84	1.9	3230	860	
200	93	15	15.09	2.1	2950	860	
300	112	12.5	12.49	3.8	2770	860	
240	142	10	9.84	3.9	2550	860	
200	187	7.5	7.48	4.3	2330	860	
500	4.7	300	297.21	0.27	8300	560	KRV0903..HS
500	5.8	250	240.89	0.34	8300	560	
480	7.0	200	200.66	0.39	8300	560	
500	9.3	150	151.20	0.54	8050	560	
480	11.1	125	125.95	0.62	7580	560	
380	14.1	100	99.22	0.62	7000	560	
300	18.6	75	75.45	0.65	6390	560	
480	22	60	62.43	1.3	6000	560	
380	28	50	49.18	1.3	5540	560	
500	24	60	59.44	1.3	5890	1260	KRV0902..HS
500	29	50	48.18	1.7	5500	1260	
480	35	40	40.13	1.9	5170	1260	
500	46	30	30.24	2.6	4710	1260	
480	56	25	25.19	3.0	4430	1260	
380	71	20	19.84	3.1	4090	1260	
300	93	15	15.09	3.2	3730	1260	
480	112	12.5	12.49	6.1	3510	1260	
380	142	10	9.84	6.2	3240	1260	
300	187	7.5	7.48	6.4	2950	1260	

KRV PERFORMANCE PARAMETER

M _{2max} [Nm]	n ₂ [r/min]	i Nominal	i Actual	P _{1n} [kW]	F _{r2} [N]	F _{r1} [N]	
750	4.7	300	296.10	0.40	10000	740	KRV1103..HS
750	5.7	250	244.29	0.50	10000	740	
750	6.8	200	206.29	0.59	9920	740	
750	9.1	150	153.33	0.80	8980	740	
750	10.8	125	129.48	0.94	8490	740	
650	13.5	100	103.64	1.0	7880	740	
520	18.5	75	75.55	1.1	7090	740	
750	22	60	64.18	1.9	6720	740	
650	27	50	51.37	2.1	6240	740	
750	24	60	59.22	2.0	6540	1490	KRV1102..HS
750	29	50	48.86	2.4	6130	1490	
750	34	40	41.26	2.9	5800	1490	
750	46	30	30.67	3.9	5250	1490	
750	54	25	25.90	4.6	4960	1490	
650	68	20	20.73	5.0	4610	1490	
520	93	15	15.11	5.5	4150	1490	
750	109	12.5	12.84	9.3	3930	1490	
650	136	10	10.27	10.1	3650	1490	
520	187	7.5	7.49	11.1	3280	1490	

KRV OUTLINE DIMENSION SHEET

KRV...IEC Outline Dimension

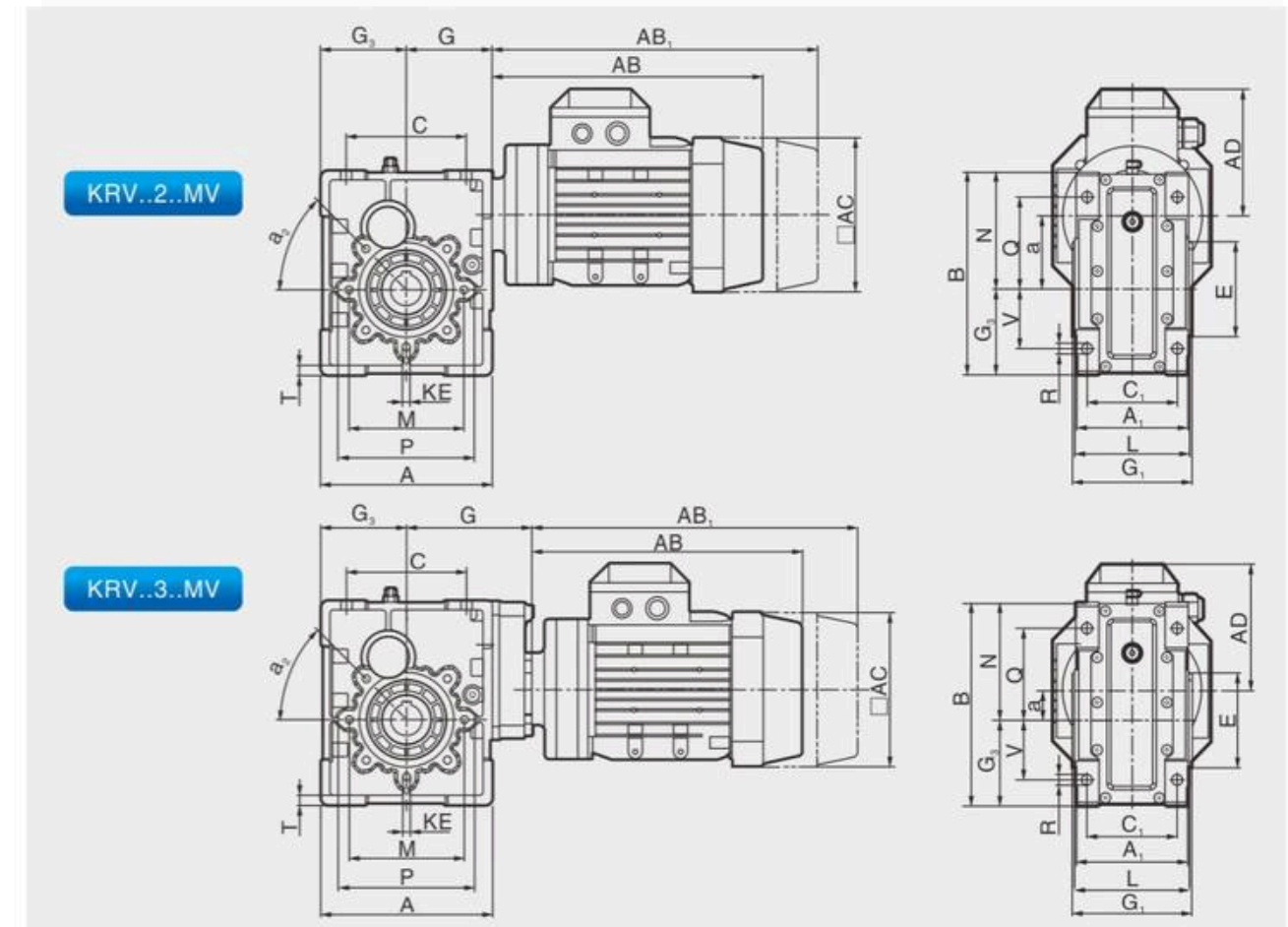


KRV	C	A	B	G	G ₁	a	C ₁	KE	a ₂	L	G ₂	M	E _{tot}	A ₁	R	P	Q	N	T	V	kg
0502	80	120	155	132.5	60	57	70	4-M8*12	45°	87	92	85	70	85	8.5	100	75	95	8	40	4.5
0503	80	120	155	148	60	21.5	70	4-M8*12	45°	87	92	85	70	85	8.5	100	75	95	8	40	5
0632	100	144	174	143.5	72	64.5	85	7-M8*14	45°	106	112	95	80	103	8.5	110	80	102	9	50	6.3
0633	100	144	174	169	72	29	85	7-M8*14	45°	106	112	95	80	103	8.5	110	80	102	9	50	7
0752	120	172	205	174	86	74.5	90	7-M8*16	45°	114	120	115	95	112	11	140	93	119	10	60	9.9
0753	120	172	205	203	86	30.5	90	7-M8*16	45°	114	120	115	95	112	11	140	93	119	10	60	10.9
0902	140	206	238	192	103	88	100	7-M10*22	45°	134	140	130	110	130	13	160	102	135	11	70	13.9
0903	140	206	238	220	103	44	100	7-M10*22	45°	134	140	130	110	130	13	160	102	135	11	70	14.9
1102	170	255	295	241.5	127.5	108	115	7-M10*25	45°	148	155	165	130	144	14	185	125	167.5	16	85	28
1103	170	255	295	271.5	127.5	52	155	7-M10*25	45°	148	155	165	130	144	14	185	125	167.5	16	85	30

Note: Weight(kg) without the weight of motor.

KRV OUTLINE DIMENSION SHEET

KRV...MV.. Outline Dimension

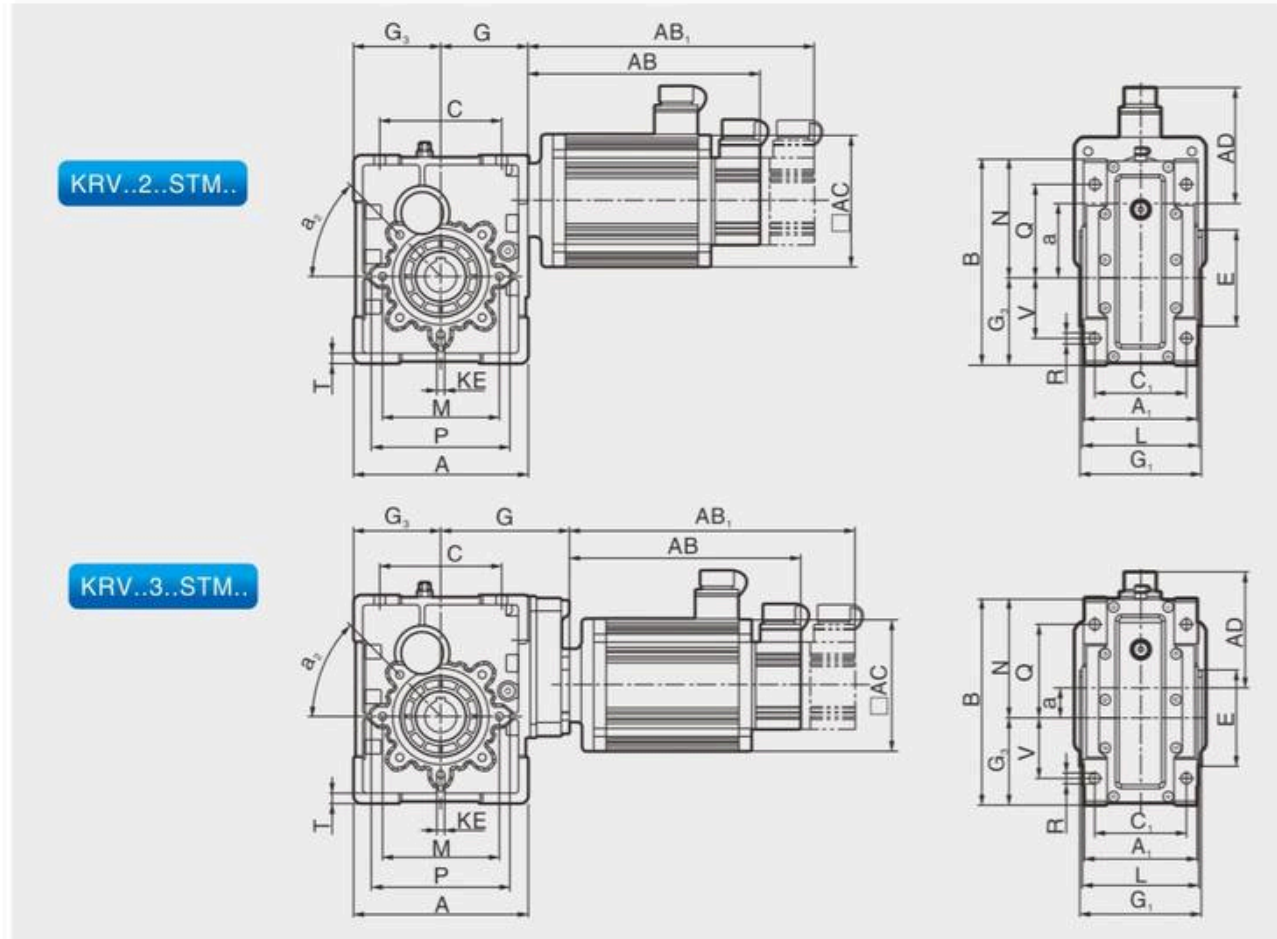


KRV	C	A	B	G	G ₁	a	C ₁	KE	a ₂	L	G ₂	M	E _{tot}	A ₁	R	P	Q	N	T	V
0502	80	120	155	61	60	57	70	4-M8*12	45°	87	92	85	70	85	8.5	100	75	95	8	40
0503	80	120	155	95	60	21.5	70	4-M8*12	45°	87	92	85	70	85	8.5	100	75	95	8	40
0632	100	144	174	72	72	64.5	85	7-M8*14	45°	106	112	95	80	103	8.5	110	80	102	9	50
0633	100	144	174	106	72	29	85	7-M8*14	45°	106	112	95	80	103	8.5	110	80	102	9	50
0752	120	172	205	87	86	74.5	90	7-M8*16	45°	114	120	115	95	112	11	140	93	119	10	60
0753	120	172	205	126	86	30.5	90	7-M8*16	45°	114	120	115	95	112	11	140	93	119	10	60
0902	140	206	238	104	103	88	100	7-M10*22	45°	134	140	130	110	130	13	160	102	135	11	70
0903	140	206	238	143	103	44	100	7-M10*22	45°	134	140	130	110	130	13	160	102	135	11	70
1102	170	255	295	127.5	127.5	108	115	7-M10*25	45°	148	155	165	130	144	14	185	125	167.5	16	85
1103	170	255	295	177.5	127.5	52	155	7-M10*25	45°	148	155	165	130	144	14	185	125	167.5	16	85

MV..	63	71	80	90S	90L	100	112	132
AB	207	235	250	286	296	320	360	410
AB1	267	305	320	370	370	400	440	507
AC	120	130	145	160	160	185	200	245
AD	104	107	115	122	122	137	155	180

KRV OUTLINE DIMENSION SHEET

KRV..STM.. Outline Dimension



STM	AC	AD	M006		M013		M020		M024		M035		M040		M050		M060		M077	
			AB	AB ₁	AB	AB ₁	AB	AB ₁	AB	AB ₁	AB	AB ₁	AB	AB ₁	AB	AB ₁	AB	AB ₁	AB	AB ₁
60	60	76	142	190	167	265	-	-	-	-	-	-	-	-	-	-	-	-	-	-
80	80	86	-	-	154	194	-	-	181	221	209	249	221	261	-	-	-	-	-	-
90	86.6	89.3	-	-	-	-	-	-	180	228	202	250	212	260	-	-	-	-	-	-
110	110	103	-	-	-	-	159	263	-	-	-	-	222	274	234	308	242	274	-	-
130	130	113	-	-	-	-	-	-	-	-	-	-	196	253	201	258	209	266	222	279
150	150	123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
180	180	138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

STM	M100		M150		M172		M180		M190		M215		M230		M270		M350		M480	
	AB	AB ₁	AB	AB ₁	AB	AB ₁	AB	AB ₁	AB	AB ₁	AB	AB ₁	AB	AB ₁	AB	AB ₁	AB	AB ₁	AB	AB ₁
130	234	286	271	352	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150	-	-	260	333	-	-	278	351	-	-	-	-	308	381	332	405	308	381	332	405
180	-	-	-	-	256	328	-	-	252	334	273	345	-	-	292	364	322	394	376	448

AB: Without brake

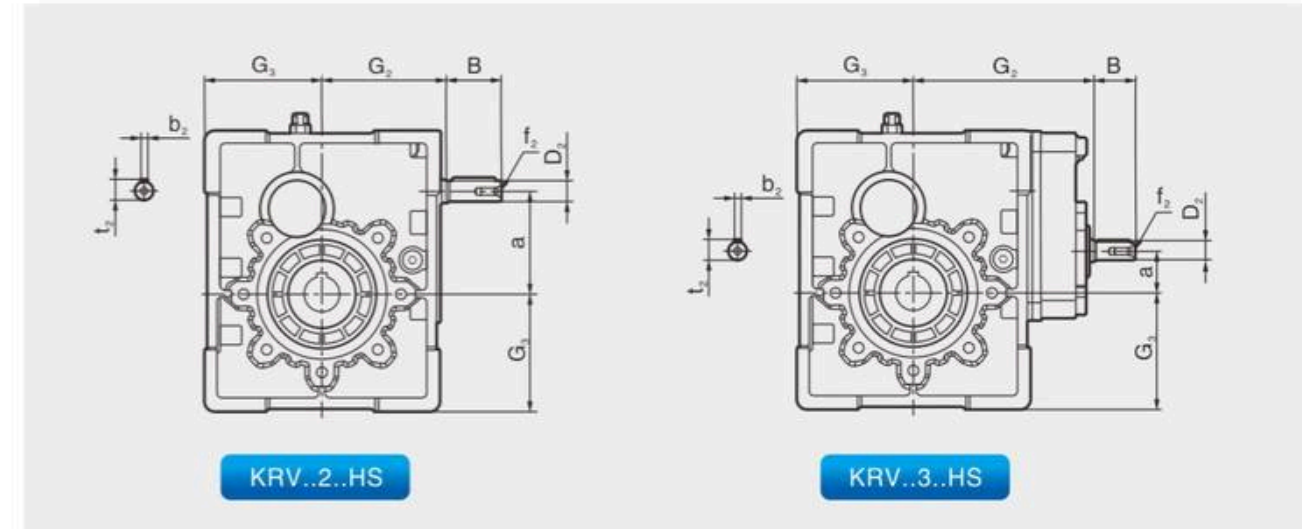
 AB₁: Without brake

M006: Servo motor(0.6N · m)

Note: The remaining size refer KRV..MV.. outline dimension

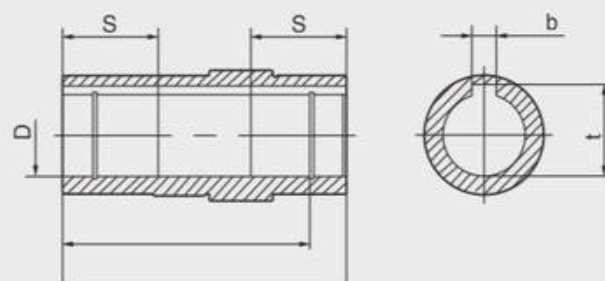
KRV OUTLINE DIMENSION SHEET

KRV..HS Outline Dimension



KRV	B	D _{2H}	G ₂	G ₃	a	b ₂	t ₂	f ₂
0502	23	11	65	60	57	4	12.5	-
0503	23	11	100	60	21.5	4	12.5	-
0632	30	14	76	72	64.5	5	16	M6
0633	23	11	111	72	29	4	12.5	-
0752	40	16	91	86	74.5	5	18	M6
0753	30	14	132	86	30.5	5	16	M6
0902	40	19	107	103	88	6	21.5	M6
0903	30	14	146	103	44	5	16	M6
1102	50	24	132	127.5	108	8	27	M6
1103	40	19	181	127.5	52	6	21.5	M6

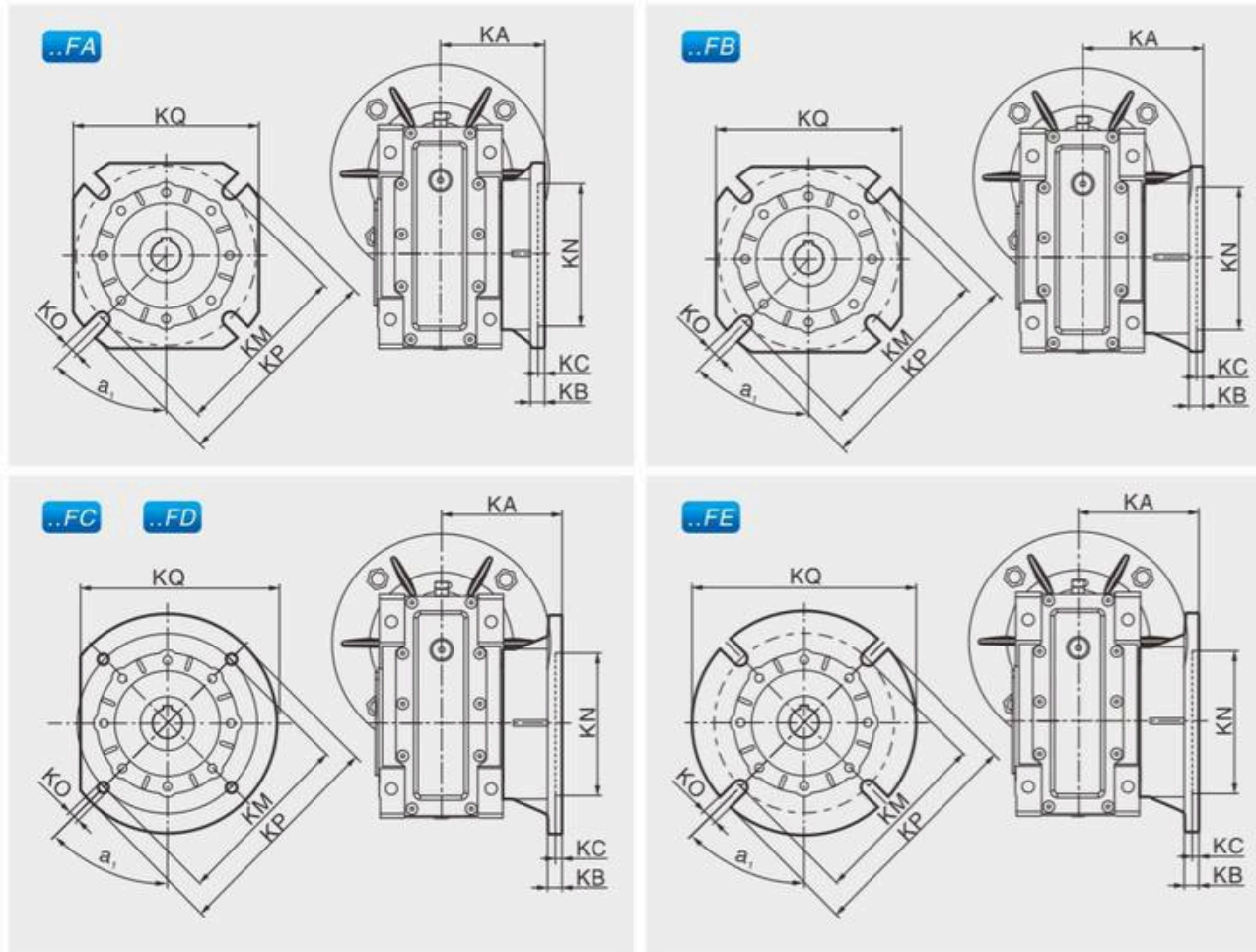
KRV.. Hollow Output Shaft Dimension



KRV	S	E	G ₁	D _{H8}	b	t
050	30	77	92	20	6	22.8
				24	8	27.3
				25	8	28.3
063	36	97	112	25	8	28.3
				28	8	31.3
				30	8	33.3
075	40	105	120	28	8	31.3
				30	8	33.3
				35	10	38.3
090	45	122	140	35	10	38.3
				38	10	41.3
				40	12	43.3
110	50	131	155	40	12	43.3
				42	12	45.3
				45	14	48.3

KRV CONNECTING DIMENSION SHEET

KRV..F Output Flange Dimension



KRV	FA								
	a _i	KA	KB	KC	KM	KN _{min}	KO	KP	KQ
050	45°	90	9	5	85	70	11(n=4)	125	110
063	45°	82	10	6	150	115	11(n=4)	180	142
075	45°	111	13	6	165	130	14(n=4)	200	170
090	45°	111	13	6	175	152	14(n=4)	210	200
110	45°	139	15	6	230	170	14(n=8)	280	260

KRV	FB								
	a _i	KA	KB	KC	KM	KN _{rib}	KO	KP	KQ
050	45°	120	9	5	85	70	11(n=4)	125	110
063	45°	112	10	6	150	115	11(n=4)	180	142
075	45°	90	13	6	130	110	11(n=4)	160	–
090	45°	122	18	6	215	180	14(n=4)	250	–
110	–	–	–	–	–	–	–	–	–

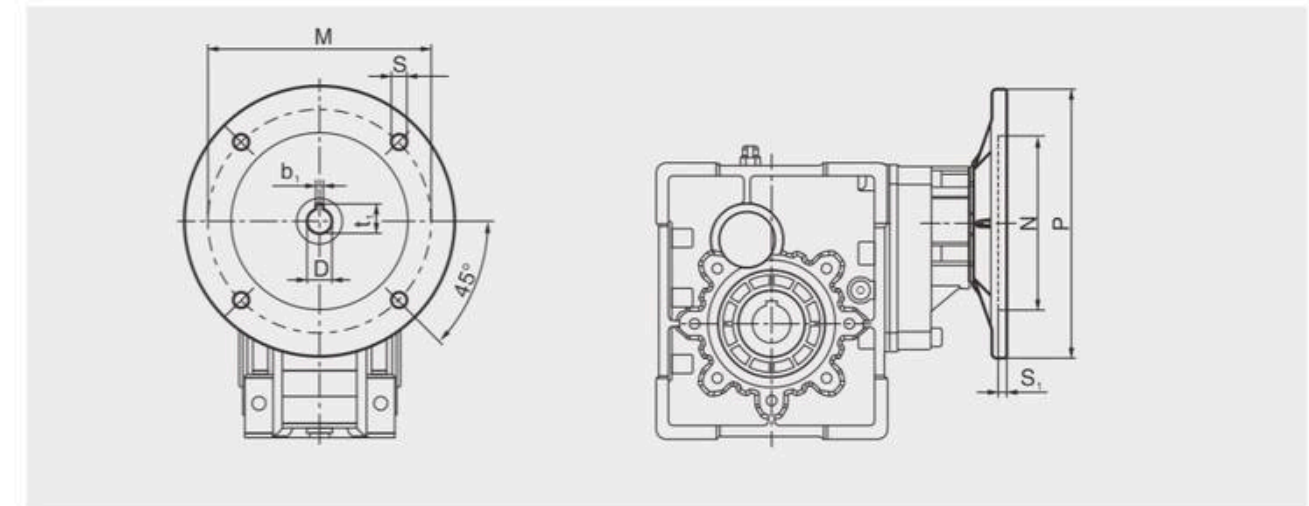
KRV	FC								
	a ₁	KA	KB	KC	KM	KN _{nb}	KO	KP	KQ
050	45°	89	10	5	130	110	9(n=4)	160	—
063	45°	98	10	5	165	130	11(n=4)	200	—
090	45°	110	17	6	165	130	11(n=4)	200	—

KRV	FD								
	a ₁	KA	KB	KC	KM	KN _{RE}	KO	KP	KQ
050	45°	72	14.5	5	115	95	11(n=4)	140	–
063	45°	107	10	5	165	130	11(n=4)	200	–
090	45°	151	13	6	175	152	14(n=4)	210	–

KRV	FE								
	a ₁	KA	KB	KC	KM	KN _{HB}	KO	KP	KQ
050	–	–	–	–	–	–	–	–	–
063	45°	80.5	16.5	5	130	110	11(n=4)	160	–
090	–	–	–	–	–	–	–	–	–

KRV CONNECTING DIMENSION SHEET

KRV..IEC Input Flange Dimension

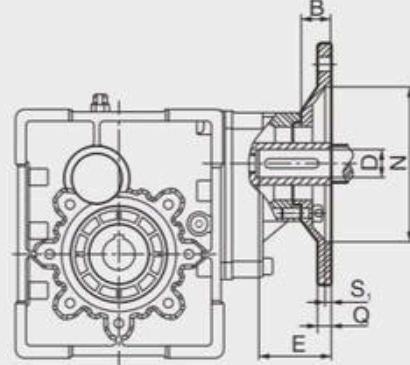
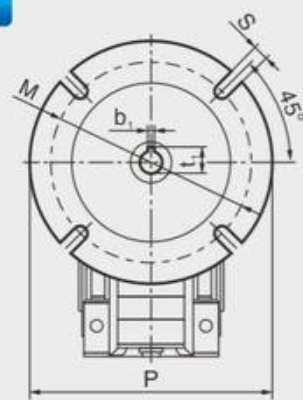


KRV	PAM-IEC	N _(M)		M		P		S		b ₁	t ₁	s ₁	I ratio																							
													7.5	10	12.5	15	20	25	30	40	50	60	50	60	75	100	125	150	200	250	300					
		D _(P)																				B				C										
		B5	B14	B5	B14	B5	B14	B5	B14																											
050	63B5	95	–	115	–	140	–	9	–	4	12.8	5	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11					
	71B5/B14	110	70	130	85	160	105	9	7	5	16.3	5	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	–	–	–	–				
	80B5/B14	130	80	165	100	200	120	11	7	6	21.8	5	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	–	–	–	–					
	90B5/B14	130	95	165	115	200	140	11	9	8	27.3	5	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	–	–	–	–					
063	63B5	95	–	115	–	140	–	9	–	4	12.8	5	–	–	–	–	–	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11				
	71B5/B14	110	70	130	85	160	105	9	7	5	16.3	5	–	–	–	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	–	–	–	–		
	80B5/B14	130	80	165	100	200	120	11	7	6	21.8	5	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	–	–	–	–	
	90B5/B14	130	95	165	115	200	140	11	9	8	27.3	5	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	–	–	–	–	–	–	–		
075	63B5	95	–	115	–	140	–	9	–	4	12.8	5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		
	71B5	110	–	130	–	160	–	9	7	5	16.3	5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–		
	80B5/B14	130	80	165	100	200	120	11	7	6	21.8	5	–	–	–	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	–	–	–	–
	90B5/B14	130	95	165	115	200	140	11	9	8	27.3	5	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	–	–	–	–	–	–	–	
	100B5/B14	180	110	215	130	250	160	13	9	8	31.3	5.5	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	–	–	–	–	–	–	–	
	112B5/B14	180	110	215	130	250	160	13	9	8	31.3	5.5	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	–	–	–	–	–	–	–	
090	63B5	95	–	115	–	140	–	9	–	4	12.8	5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
	71B5	110	–	130	–	160	–	9	7	5	16.3	5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
	80B5/B14	130	80	165	100	200	120	11	7	6	21.8	5	–	–	–	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	–	–	
	90B5/B14	130	95	165	115	200	140	11	9	8	27.3	5	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	–	–	–	–	–	–	–	
	100B5/B14	180	110	215	130	250	160	13	9	8	31.3	5.5	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	–	–	–	–	–	–	–	
	112B5/B14	180	110	215	130	250	160	13	9	8	31.3	5.5	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	–	–	–	–	–	–	–	
110	71B5	110	–	130	–	160	–	9	7	5	16.3	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
	80B5	130	–	165	–	200	–	11	7	6	21.8	6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
	90B5	130	–	165	–	200	–	11	9	8	27.3	6	–	–	–	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	–	–	–	
	100B5/B14	180	110	215	130	250	160	13	9	8	31.3	6	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	–	–	–	–	–	–	–
	112B5/B14	180	110	215	130	250	160	13	9	8	31.3	6	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	–	–	–	–	–	–	–	
	132B5	230	–	265	–	300	–	13	–	10	41.3	6	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	–	–	–	–	–	–	–	

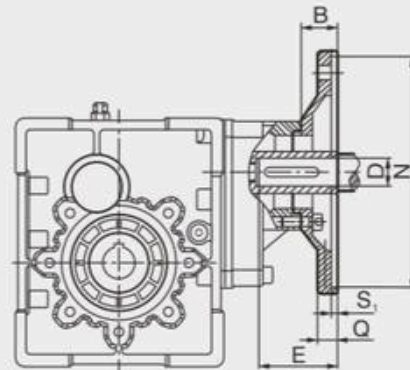
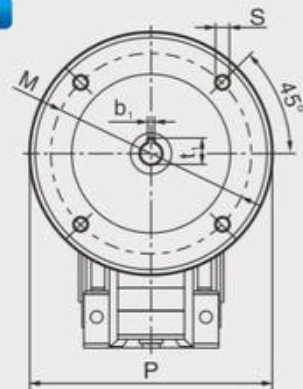
KRV CONNECTING DIMENSION SHEET

KRV..NEMA Input Flange Dimension

56C-145TC



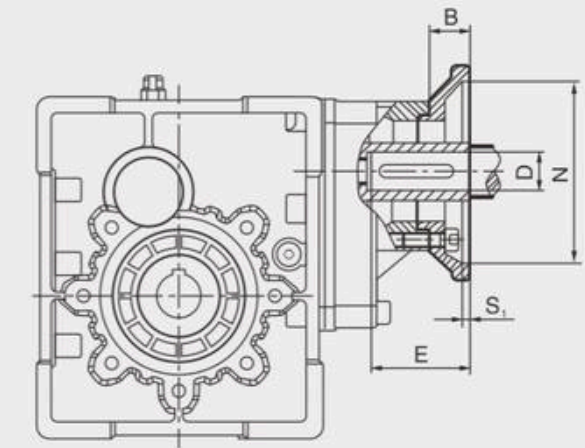
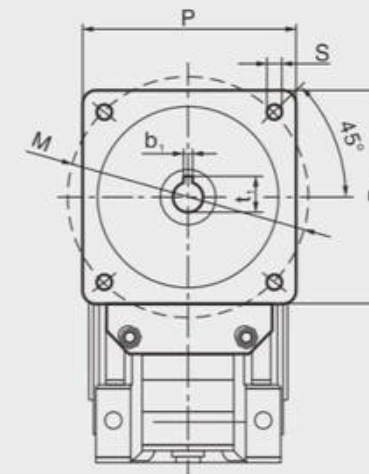
182C-215TC



KRV	NEMA Flange	B	D	E	b ₁	t ₁	M	N	P	Q	S	S ₁
050	56C	1.15	0.625	2.06	0.188	0.713	5.875	4.5	6.5	0.433	0.413	0.177
063	56C	1.22	0.625	2.06	0.188	0.713	5.875	4.5	6.5	0.433	0.413	0.177
	143TC	1.22	0.875	2.12	0.188	0.963	5.875	4.5	6.5	0.433	0.413	0.177
	145TC	1.22	0.875	2.12	0.188	0.963	5.875	4.5	6.5	0.433	0.413	0.177
075 090	56C	1.50	0.625	2.06	0.188	0.713	5.875	4.5	6.5	0.433	0.413	0.177
	143TC	1.50	0.875	2.12	0.188	0.963	5.875	4.5	6.5	0.433	0.413	0.177
	145TC	1.50	0.875	2.12	0.188	0.963	5.875	4.5	6.5	0.433	0.413	0.177
	182TC	1.50	1.126	2.62	0.250	1.240	7.250	8.5	9.5	0.472	0.551	0.197
	184TC	1.50	1.126	2.62	0.250	1.240	7.250	8.5	9.5	0.472	0.551	0.197
110	56C	1.89	0.625	2.06	0.188	0.713	5.875	4.5	6.5	0.433	0.413	0.177
	143TC	1.89	0.875	2.12	0.188	0.983	5.875	4.5	6.5	0.433	0.413	0.177
	145TC	1.89	0.875	2.12	0.188	0.983	5.875	4.5	6.5	0.433	0.413	0.177
	182TC	1.89	1.125	2.62	0.250	1.240	7.250	8.5	9.0	0.472	0.551	0.197
	184TC	1.89	1.125	2.62	0.250	1.240	7.250	8.5	9.0	0.472	0.551	0.197
	213TC	1.89	1.375	3.12	0.312	1.517	7.250	8.5	9.0	0.472	0.551	0.197
	215TC	1.89	1.375	3.12	0.312	1.517	7.250	8.5	9.0	0.472	0.551	0.197

KRV CONNECTING DIMENSION SHEET

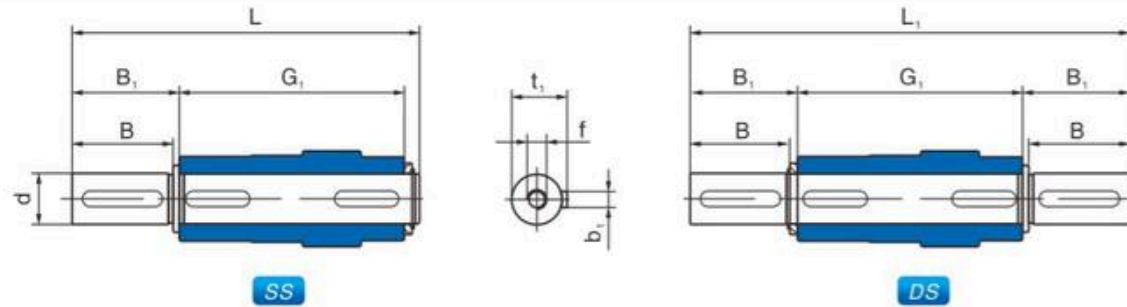
KRV..ST Servo Motor Input Flange Dimension



KRV	P	B	D ₅₇	E	b ₁	t ₁	M	N	S	S ₁
050	60	35	14	30	5	16.3	70	50	5.5	4
	80	28	19	35	6	21.8	90	70	6	5
	90	30	16	35	5	18.3	100	80	6.5	5
	110	26	19	55	6	21.8	130	95	9	6
	130	32	22	57	6	24.8	145	110	9	6
063	60	40	14	30	5	16.3	70	50	5.5	4
	80	21	19	35	6	21.8	90	70	6	5
	90	21	16	35	5	18.3	100	80	6.5	5
	110	46	19	55	6	21.8	130	95	9	6
	130	40	22	57	6	24.8	145	110	9	6
075	110	47	19	55	6	21.8	130	95	9	6
	130	40	22	57	6	24.8	145	110	9	6
	150	38	28	58	8	31.3	165	130	11	6
090	110	47	19	55	6	21.8	130	95	9	6
	130	40	22	57	6	24.8	145	110	9	6
	150	38	28	58	8	31.3	130	130	11	6
110	130	38	22	57	6	24.8	145	110	9	6
	150	38	28	58	8	31.3	165	130	11	6
	180	38	35	65	10	38.3	200	114.3	13.5	6

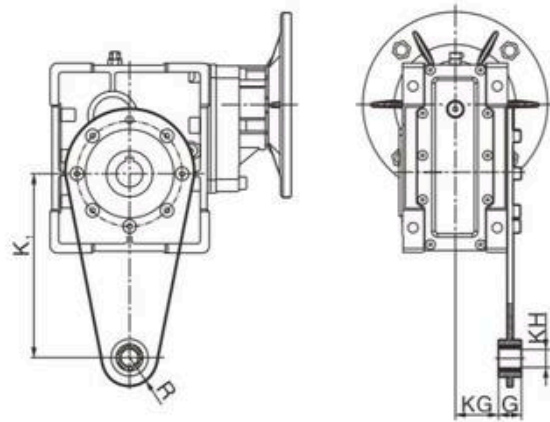
ACCESSORIES OUTLINE DIMENSION SHEET

Output Shafts



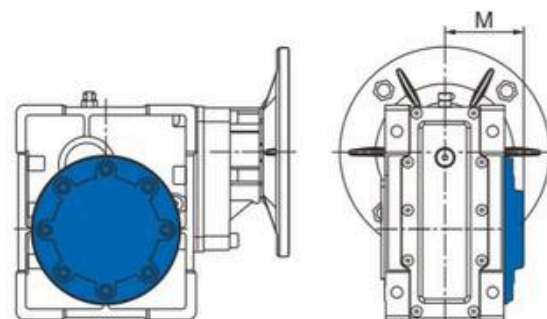
KRV	d _{h6}	B	B ₁	G ₁	L	L ₁	f	b ₁	t ₁
050	25	50	53.5	92	153	199	M10*27	8	28
063	25	50	53.5	112	173	219	M10*27	8	28
075	28	60	63.5	120	192	247	M10*27	8	31
090	35	80	84.5	140	234	309	M12*34	10	38
110	42	80	84.5	155	249	324	M16*42	12	45

Torque Arm



KRV	K ₁	G	KG	KH	R
050	100	14	38.5	10	18
063	150	14	49	10	18
075	200	25	47.5	20	30
090	200	25	57.5	20	30
110	250	30	62	25	35

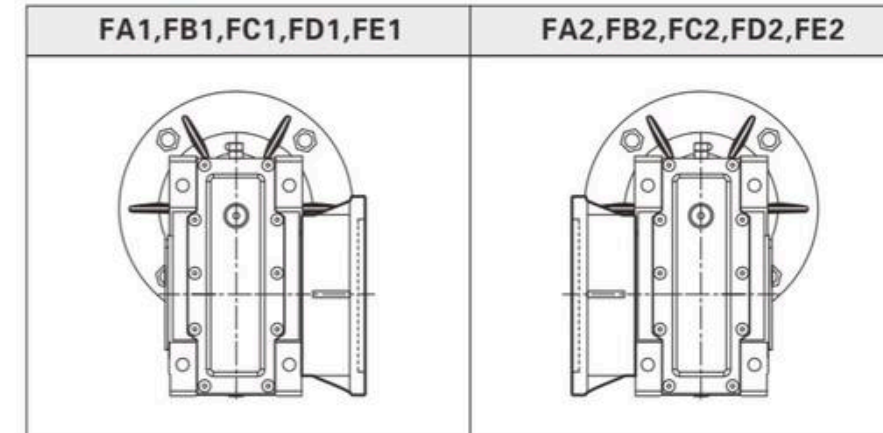
Cover



KRV	M
050	58
063	69
075	74
090	86
110	94

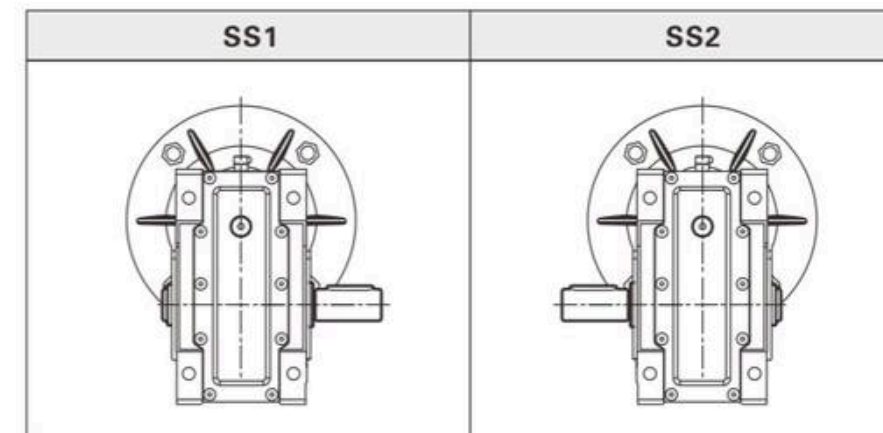
INSTALLATION POSITIONS DIAGRAM

Position diagram for output flange



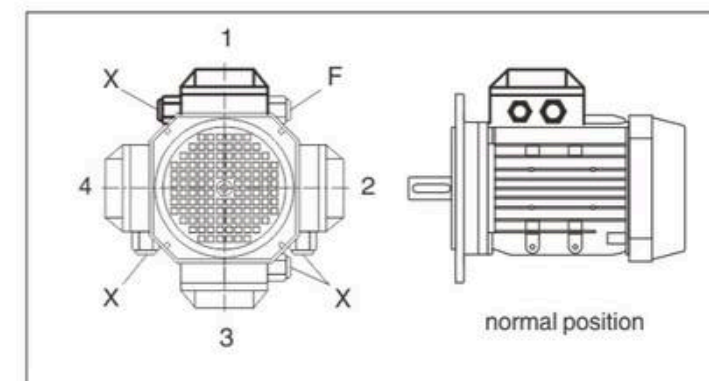
Unless specified otherwise, the gear units is supplied with the flange in pos. F..1 referred to position B3.

Position diagram for single output shaft



Unless specified otherwise, the gear units is supplied with the flange in pos. SS1 referred to position B3.

Position of motor terminal box

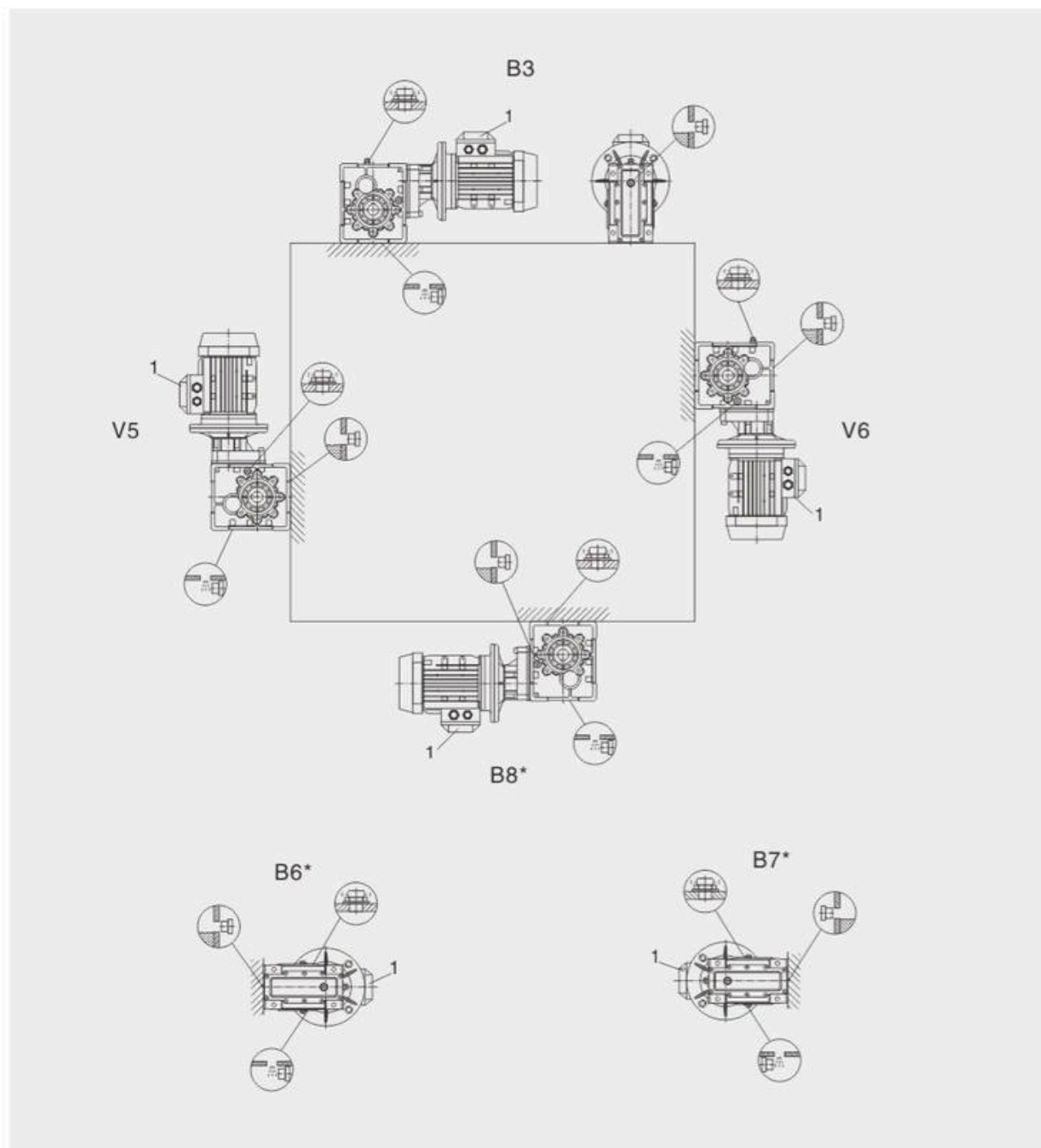


Symbols Used

Symbols	Meaning
	Breather valve
	Oil level plug
	Oil drain plug

INSTALLATION POSITIONS DIAGRAM

KRV.. Mounting Positions



* It means the lubricant can't be added according to the oil level line plug, but also higher the plug to fill quantity as shown in the table.

INSTALLATION POSITIONS DIAGRAM

Direction of rotation



The motor can be run either CW or CCW while using with gearbox, the above chart is recommended.