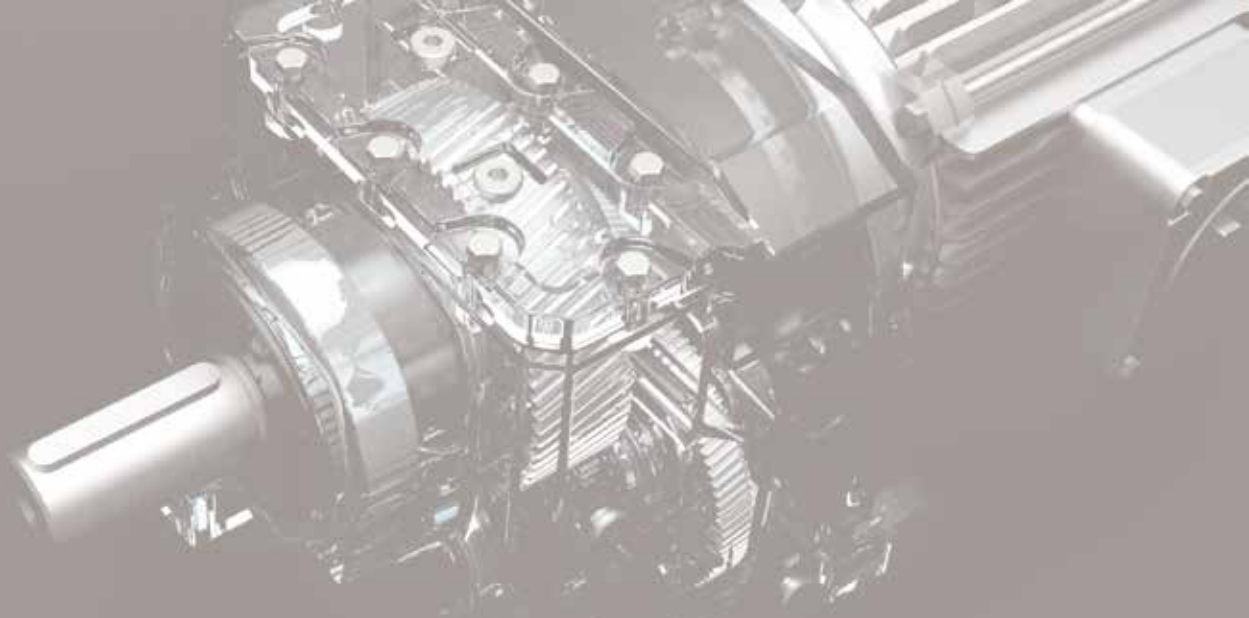


# K SERIES HELICAL BEVEL GEAR UNITS



# Note!

1. The structure scheme, appearance diagram and other attached diagrams in sample are examples, there is no strict proportion requirement. If you need exact dimension of certain types, please contact our sales dept.. (The unmarked dimension units are mm).
2. Gear unit has been tested before delivered, users should add lubrication oil before running.
3. We can only refer to the marked oil in the mannul. Actual oil filling level should be the same with the mark on oil immersion lens.
4. Lubrication oil viscosity should be selected according to working conditions and ambient temperature.
5. To prevent accidents, all the rotation parts should be added with protective covers according to safety regulation of the nation and region.
6. The solid shaft input structure gear unit is not equipped with any motor.
7. Motors of Y series are supplied with protection grade of IP54 unless otherwise specified.
8. Unless otherwise specified, you will receive the terminal box at 0°.



## Guidelines for the selection

- ❑ Gear units are designed under the circumstance of steady load, stated operating time per day and a few starting times, but the practical condition will be not as perfect as the designed circumstance. so we must confirm driven machine factor  $f_1$ , prime mover factor  $f_2$ , starting factor  $f_3$  according to actual load type, operating time, starting frequency. let it less than or equal to the service factor  $f_b$  of selection table, viz  $f_1 \times f_2 \times f_3 \leq f_b$ . the needed torque of service machine multiply the service factor ( $f_1 \times f_2 \times f_3$ ) should less than or equal to gear units' permissible torque.

Viz  $T_N \geq T_2 \times f_1 \times f_2 \times f_3$

$f_1$  — Driven machine factor (See table 1)

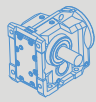
$f_2$  — Prime mover factor (See table 2)

$f_3$  — Start factor (See table 3)

$T_2$  — The torque required by driven machine

$T_N$  — Gear unit permissible torque (See page 03)

- ❑ We accept the orders of products of special specification, and provide our customer with exclusive design service.
- ❑ Along with the technology advanced etc., the product of the manual of RED SUN will be changed, please forgive.



Service factor:

Table 1		Driven machine factor			f <sub>1</sub>		
Driven equipment	Daily operating time with load(hour)			Driven equipment	Daily operating time with load(hour)		
	≤ 2	> 2-10	> 10		≤ 2	> 2-10	> 10
<b>Sewage treatment</b>				<b>Conveyingmachine</b>			
Concentrator(Central Transmission)	—	—	1.2	Bucket conveyor	—	1.4	1.5
Compressed filter	1.0	1.3	1.5	Winch	1.4	1.6	1.6
Flocculator	0.8	1.0	1.3	Hoist	—	1.5	1.8
Aerator	—	1.8	2.0	Belt conveyor≤150kW	1.0	1.2	1.3
Collector	1.0	1.2	1.3	Belt conveyor≥150kW	1.1	1.3	1.4
Vertical,rotary group				Elevators for goods*	—	1.2	1.5
Blended collector	1.0	1.3	1.5	Elevators for customers*	—	1.5	1.8
Concentrator	—	1.1	1.3	Scraper conveyor	—	1.2	1.5
Screw pump	—	1.3	1.5	Automatic ladder	1.0	1.2	1.4
Water wheel machine	—	—	2.0	Rail traveling mechanism	—	1.5	—
Pump							
Centrifugal pump	1.0	1.2	1.3	<b>Various frequency device</b>	—	1.8	2.0
Volume-down pump							
1Piston	1.3	1.4	1.8				
>1Piston	1.2	1.4	1.5	<b>Reciprocating compressor</b>	—	1.8	1.9
<b>Dredge</b>							
Bucket conveyor	—	1.6	1.6	<b>Hoisting mechanism**</b>			
Unloading device	—	1.3	1.5	Rotary mechanism*		1.4	1.8
Carterpillar traveling mechanism	1.2	1.6	1.8	Pitching mechanism		1.1	1.4
Bucket digger				Traveling mechanism		1.6	2.0
Be used for picking up	—	1.7	1.7	Lifting mechanism		1.1	1.4
Be used for rough materials	—	2.2	2.2	Jibcrane		1.2	1.6
Chopper	—	2.2	2.2				
Traveling mechanism*	—	1.4	1.8	<b>Cooling tower</b>			
<b>Plate blender</b>	—	1.0	1.0	Cooling tower fan	—	—	2.0
				Fan (Shaft flow and centrifugal type)	—	1.4	1.5
<b>Chemical industry</b>				<b>Food industry</b>			
Extruder	—	—	1.6	Sugar production			
Paste mixer	—	1.8	1.8	Sugar-cane cutter*	—	—	1.7
Rubber calendar	—	1.5	1.5	Sugar crane mill			
Cooling cylinder	—	1.3	1.4	Beet sugar production	—	—	1.7
Material mixer,be used for				Beet masher	—	—	1.2
Uniform medium	1.0	1.3	1.4	Squeeze machine,			
Non-uniform medium	1.4	1.6	1.7	mechanical refrigerator,			
Blender,be used for				cooking machine	—	—	1.4
Uniform density medium	1.0	1.3	1.5	Beet cleaner	—	—	1.5
Un-uniformed medium	1.2	1.4	1.6	Beet chopper			
Un-uniformed gas absorption	1.4	1.6	1.8				
Oven	1.0	1.3	1.5	<b>Paper-making machinery</b>			
Centrifugal machine	1.0	1.2	1.3	Various kinds***	—	1.8	2.0
<b>Metal processing equipment</b>				Pulper driving device	Supply goods according to customer requirements		
Plate turnover	1.0	1.0	1.2				
Steel pushing device	1.0	1.2	1.2	<b>Centrifugal compressor</b>	—	1.4	1.5
Winding machine	—	1.6	1.6				
Cooling bed transverse frame	—	1.5	1.5	<b>Rope way cable car</b>			
Roller leveler	—	1.6	1.6	Delivery ropeway	—	1.3	1.4
Roller path				Cableway of shuttle system	—	1.6	1.8
Continuous	—	1.5	1.5				
Interval	—	2.0	2.0	T rod elevator	—	1.3	1.4
Reversing mill	—	1.8	1.8	Continuous cableway	—	1.4	1.6
Cutter							
Continuous*	—	1.5	1.5	<b>Cement industry</b>			
Crank type*	1.0	1.0	1.0	Concrete blender	—	1.5	1.5
Continuous casting driving device	—	1.4	1.4	Crusher*	—	1.2	1.4
Rolling mill				Rotary kiln	—	—	2.0
Reversing cogging mill	—	2.5	2.5	Tube mill	—	—	2.0
Reversing plate slab mill	—	2.5	2.5	Powder concentrator	—	1.6	1.6
Reversing wire mill	—	1.8	1.8	Roller press	—	—	2.0
Reversing thin plate mill	—	2.0	2.0				
Reversing middle thickness plate mill	—	1.8	1.8				
Roll gap adjusting and driving device	0.9	1.0	—				





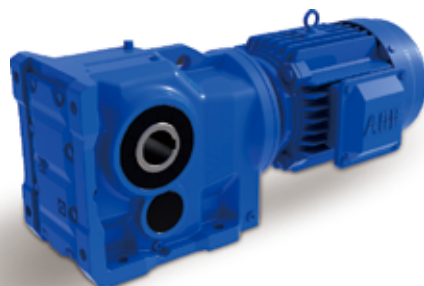
Table 1				Driven machine factor				f <sub>1</sub>		
Driven equipment	Daily running time with load(hour)			Driven equipment	Daily running time with load(hour)					
	≤ 2	> 2-10	> 10		≤ 2	> 2-10	> 10			
Wood industry				Plastics industry						
Barking machine				Miller, compound grinding						
Feed drive	1.25	1.25	1.50	Coating, film	1.25	1.25	1.25			
Main drive	1.75	1.75	1.75	Conveying pipe, Pulling rod, thin type						
Conveyor				Pipe type, Pile drawer	1.25	1.25	1.50			
Burner, repeating saw	1.25	1.25	1.50	Continuous mixer, Calender	1.50	1.50	1.50			
Rotary tower, transit transport	1.50	1.50	1.50	Blow film, to plasticizing						
Main loading, heavy loading	1.75	1.75	2.00	Batch mixer	1.75	1.75	1.75			
Main original wood, land base										
Conveying chain				Rubber industry						
Floor	1.50	1.50	1.50	Continuous strong inner mixer, Mix roller,						
Green-wood	1.50	1.50	1.75	Batch feeding mixer (except for double sticks)	1.50	1.50	1.50			
Cutting Chain				Refiner, calender						
Saw transmission, traction	1.50	1.50	1.75							
Peeling barrel	1.75	1.75	2.00	Double roller clamp feeding and mixed miller	1.25	1.25	1.50			
Feed drive										
Edging, wood trimmer	1.25	1.25	1.50	Batch strong inner mixer,						
Planer feed, assorting table,				Double stick single groove grain stick	1.75	1.75	1.75			
Automatic incline lifting				Miller heater, double sticks						
Multi-shaft feed, raw wood	1.75	1.75	1.75	Batch feeding mixer						
Transportation and rotation				Wave stick miller	2.00	2.00	2.00			
Transportation										
Charging tray				Generator and exciter	1.00	1.00	1.25			
Plywood lathe drive	1.50	1.50	1.75							
Conveying chain, Lifting				Hammer crusher	1.75	1.75	2.00			
				Sand miller	1.25	1.25	1.50			

⚠ Note: Determine required power P<sub>2</sub> of the driven equipment:  
 \*)Determine rated power according to maximum torque.  
 \*\*)It's necessary to check thermal capacity.

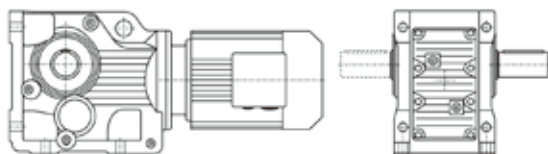
### Prime mover factor

Table 2 Factor for prime mover	f <sub>2</sub>
Electric motors, hydraulic motors, turbines	1.0
Piston engines 4-6 cylinders	1.25
Piston engines 1-3 cylinders	1.5

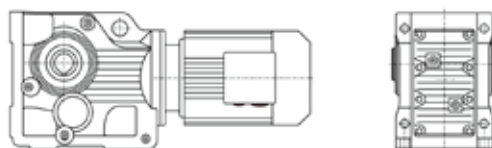
Table 3		Start factor			f <sub>3</sub>
f <sub>3</sub>	f <sub>1</sub> X f <sub>2</sub>	1	1.25 -1.75	2- 2.75	≥3
Starts per hour					
≤ 5		1	1	1	1
6-25		1.2	1.12	1.06	1
26-60		1.3	1.2	1.12	1.06
61-180		1.5	1.3	1.2	1.12
>180		1.7	1.5	1.3	1.2



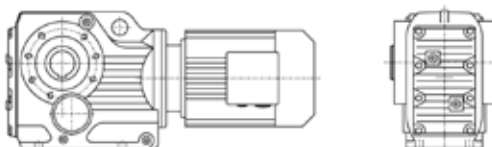
K series gear units are available in the following designs:



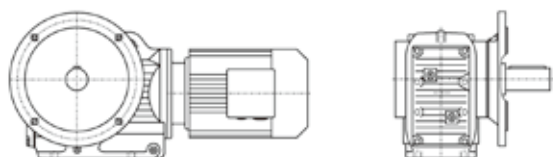
K...Y..  
Foot-mounted solid shaft helical bevel gear units



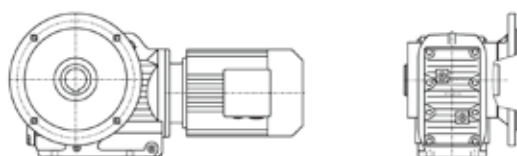
KAB...Y..  
Foot-mounted hollow shaft helical bevel gear units



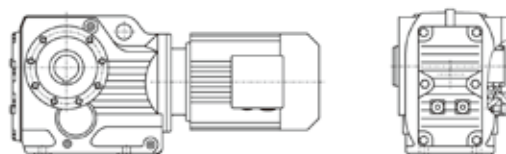
KA...Y..  
Hollow shaft helical bevel gear units



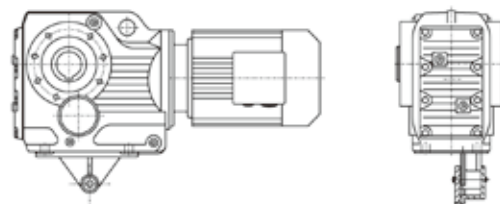
KF...Y..  
Flanged-mounted solid shaft helical bevel units



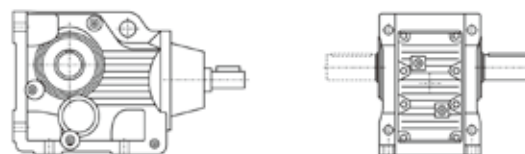
KAF...Y..  
Flange-mounted hollow shaft helical bevel gear units



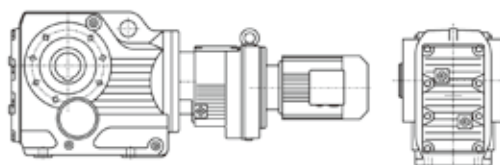
KAZ...Y..  
Short-flange-mounted hollow shaft helical bevel gear units



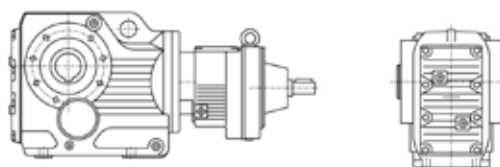
KAT...Y..  
Torque-arm-mounted hollow shaft helical bevel gear units



K ( KF, KA, KAF, KAB, KAZ ) S...  
Helical bevel gear units with solid shaft input



KA ( K, KF, KAF, KAB, KAZ ) ...R...Y..  
Combi-type helical bevel gear units



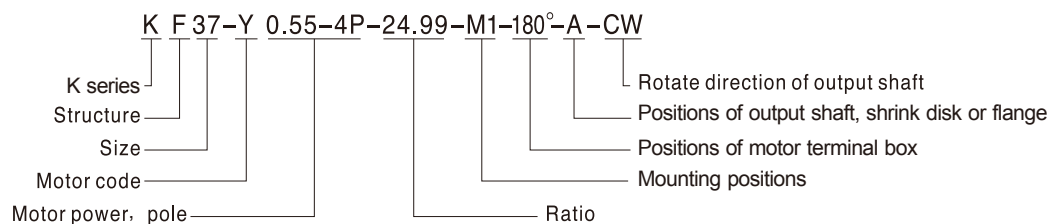
KA ( K, KF, KAF, KAB, KAZ ) S...R...  
Combi-type helical bevel gear units with solid shaft input



KA ( K, KF, KAF, KAB, KAZ ) ...Y..  
Customers provide the motor by themselves need connected flange.



## Type Designations:



K series:  
Helical bevel gear units

Structure:

Foot-mounted solid shaft	(-)
Hollow shaft	A
Flange-mounted solid shaft	F
Flange-mounted hollow shaft	AF
Short-flange-mounted hollow shaft	AZ
Foot-mounted hollow shaft	AB
Torque-arm-mounted hollow shaft	AT
Foot-mounted solid shaft with solid shaft input	S
Hollow shaft with solid shaft input	AS
Flange-mounted solid shaft with solid shaft input	FS
Flange-mounted hollow shaft with solid shaft input	AFS
Hollow shaft with shrink disk	H..(H, HF, HZ, HT)

Size:  
(see selection table)

Motor code:

Common motor	Y(Y2)
Flameproof motor	B
Direct current motor	Z
Brake motor	YEJ
Multi-speed motor	D
Variable frequency motor	YVP
Electromagnetic variable speed motor	YCT
Metallurgy hoisting motor	R
Transduction braking motor	YVPJ
Roller way	G

Motor power, pole :  
See selection table

Ratio:  
See selection table

Mounting positions:  
M1, M2, M3, M4, M5, M6(See page 03)

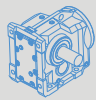
Positions of motor terminal box:  
0°, 90°, 180°, 270°(See page 03)

Output shaft \ flange \ shrink disc directions:  
Viewing from motor end: left side = A, right side = B,  
both side = AB(See mounting positions)

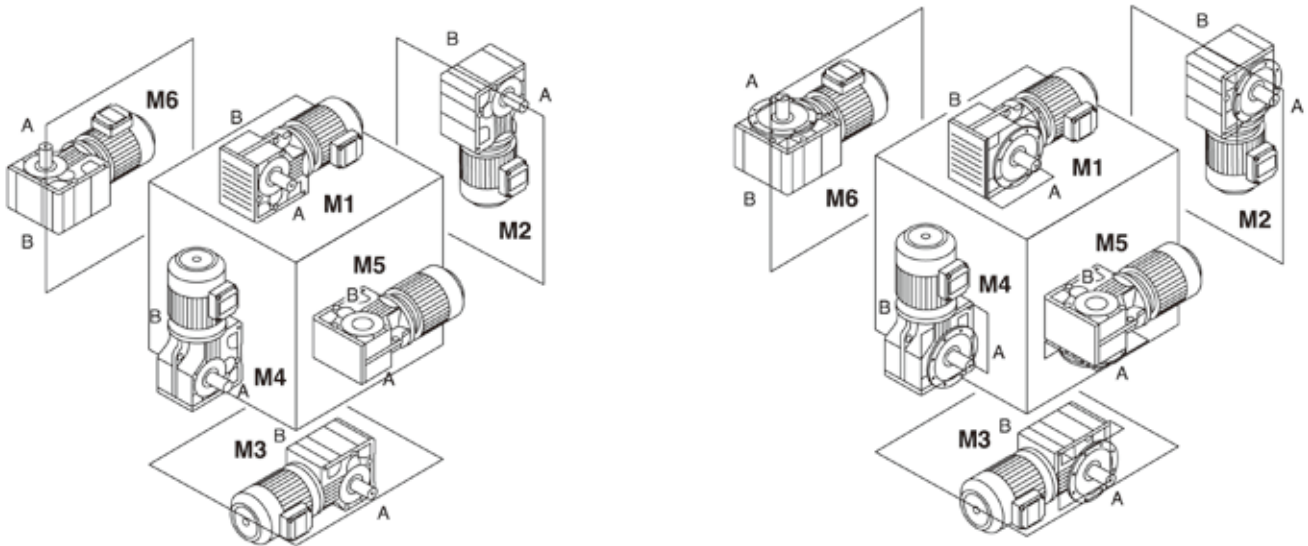
Direction of rotation from the output shaft end:

Clockwise	CW
Counter clockwise	CCW

\*Dimensions of hollow shaft with shrink disc, see page 40-41.

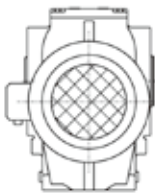


## Mounting positions



K

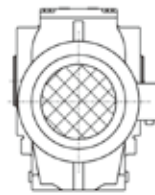
## Positions of motor terminal box:



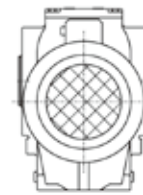
0°



90°



180°



270°

## Input power rating and permissible torque

Size	37	47	57	67	77	87	97	107	127	157	167	187
Structure	K KA KF KAF KAZ KAT KAB											
Input power rating(kw)	0.18~3.0	0.18~3.0	0.18~5.5	0.18~5.5	0.37~11	0.75~22	1.1~30	3~45	7.5~90	11~160	11~200	18.5~200
Ratio	5.36~106.38	5.81~131.87	6.57~145.14	7.14~144.79	7.24~192.18	7.19~197.37	8.95~176.05	8.74~141.46	8.68~146.07	12.65~150.41	17.28~163.91	17.27~180.78
Permissible torque (n·m)	200	400	600	820	1550	2700	4300	8000	13000	18000	32000	50000

## Gear unit weight

Size	37	47	57	67	77	87	97	107	127	157	167	187
Weight (kgs)	11	20	27	33	57	85	130	250	380	610	1015	1700

The marked weight is average value, it has no constraint force.



Oil

K...,KAB...:

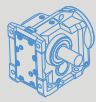
Size	Oil level(L)					
	M1	M2	M3	M4	M5	M6
K..37	0.5	1	1	1.3	1	1
K..47	0.8	1.3	1.5	2	1.6	1.6
K..57	1.2	2.3	2.5	3	2.6	2.4
K..67	1.1	2.4	2.6	3.4	2.6	2.6
K..77	2.2	4.1	4.4	5.9	4.2	4.4
K..87	3.7	8	8.7	10.9	7.8	8
K..97	7	14	15.7	20	15.7	15.5
K..107	10	21	25.5	33.5	24	24
K..127	21	41.5	44	54	40	41
K..157	31	62	65	90	58	62
K..167	35	100	100	125	85	85
K..187	60	170	170	205	130	130

KF...:

Size	Oil level(L)					
	M1	M2	M3	M4	M5	M6
KF37	0.5	1.1	1.1	1.5	1	1
KF47	0.8	1.3	1.7	2.2	1.6	1.6
KF57	1.3	2.3	2.7	3	2.9	2.7
KF67	1.1	2.4	2.8	3.6	2.7	2.7
KF77	2.1	4.1	4.4	6	4.5	4.5
KF87	3.7	8.2	9	11.9	8.4	8.4
KF97	7	14.7	17.3	21.5	15.7	16.5
KF107	10	22	26	35	25	25
KF127	21	41.5	46	55	41	41
KF157	31	66	69	92	62	62

KA..., KAF..., KAZ...:

Size	Oil level(L)					
	M1	M2	M3	M4	M5	M6
K..37	0.5	1	1	1.4	1	1
K..47	0.8	1.3	1.6	2.1	1.6	1.6
K..57	1.3	2.3	2.7	3	2.9	2.7
K..67	1.1	2.4	2.7	3.6	2.6	2.6
K..77	2.1	4.1	4.6	6	4.4	4.4
K..87	3.7	8.2	8.8	11.1	8	8
K..97	7	14.7	15.7	20	15.7	15.7
K..107	10	20.5	24	32	24	24
K..127	21	41.5	43	52	40	40
K..157	31	66	67	87	62	62
KA..167	35	100	100	125	85	85
KA..187	60	170	170	205	130	130



Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p
<b>0.18kW</b>						<b>0.18kW</b>					
0.09	16482	14975	0.74			1.5	994	903	0.78		
0.11	13692	12440	0.89			1.8	873	793	0.88		
0.13	12013	10914	1.0			2.0	767	697	1.0		
0.14	10807	9819	1.1			2.3	675	613	1.1	K 67R37	4
0.16	9293	8443	1.3	K 127R77	4	2.6	597	542	1.3	KF 67R37	4
0.19	8236	7483	1.5	KF 127R77	4	3.0	518	471	1.5	KA 67R37	4
0.21	7226	6565	1.7	KA 127R77	4	3.3	462	420	1.7	KAF67R37	4
0.24	6388	5804	1.9	KAF127R77	4	3.9	397	361	1.9		
0.28	5533	5027	2.2			4.3	356	323	2.2		
0.31	4868	4423	2.5			5.1	299	272	2.6		
0.37	4184	3801	2.9								
0.43	3563	3237	3.4								
0.17	9037	8211	0.8			2.3	677	615	0.8		
0.19	7888	7167	1.0			2.6	599	544	0.9		
0.23	6711	6097	1.1			2.9	521	473	1.1		
0.25	6144	5582	1.2			3.3	463	421	1.2		
0.27	5575	5065	1.3	K 107R77	4	3.8	398	362	1.4	K 57R37	4
0.32	4732	4299	1.6	KF 107R77	4	4.4	351	319	1.6	KF 57R37	4
0.37	4135	3757	1.8	KA 107R77	4	5.1	300	273	1.9	KA 57R37	4
0.43	3562	3236	2.1	KAF107R77	4	5.8	264	240	2.1	KAF57R37	4
0.48	3158	2869	2.4			6.5	237	215	2.4		
0.56	2756	2504	2.7			7.2	211	192	2.7		
0.63	2425	2203	3.1			8.4	183	166	3.1		
0.30	5139	4669	0.79			3.7	413	375	0.9		
0.34	4493	4082	0.90			4.3	359	326	1.0		
0.39	3944	3583	1.0			4.8	318	289	1.2	K 47R37	4
0.45	3421	3108	1.2			5.6	275	250	1.4	KF 47R37	4
0.50	3035	2757	1.3			6.2	248	225	1.5	KA 47R37	4
0.57	2662	2419	1.5			7.0	218	198	1.7	KAF47R37	4
0.65	2337	2123	1.7	K 97R57	4	8.3	184	167	2.0		
0.75	2043	1856	2.0	KF 97R57	4	9.3	164	149	2.3		
0.86	1789	1625	2.3	KA 97R57	4	11	141	128	2.7		
0.97	1574	1430	2.6	KAF97R57	4						
1.1	1388	1261	2.9			6.8	226	205	0.83	K 37R17	4
1.3	1213	1102	3.3			7.7	199	181	0.94	KF 37R17	4
1.5	1053	957	3.8			8.7	176	160	1.07	KA 37R17	4
1.6	941	855	4.3			10	150	136	1.26	KAF37R17	4
1.9	818	743	4.9			11	140	127	1.34		
2.1	717	651	5.6								
0.45	3420	3107	0.74			5.9	275	144.79	2.8	K 67	6
0.51	3003	2728	0.85			6.9	235	123.54	3.3	KF 67	6
0.59	2610	2371	0.97			7.9	205	108.03	3.8	KA 67	6
0.67	2298	2088	1.1			8.3	195	102.62	4.0	KAF67	6
0.75	2041	1854	1.2	K 87R57	4						
0.84	1825	1658	1.4	KF 87R57	4	9.6	168	144.79	4.6	K 67	4
1.0	1557	1415	1.6	KA 87R57	4	11	144	123.54	5.4	KF 67	4
1.1	1353	1229	1.9	KAF87R57	4	13	126	108.03	6.1	KA 67	4
1.3	1187	1078	2.1							KAF67	4
1.5	1047	951	2.4			5.9	276	145.14	2.0	K 57	6
1.7	921	837	2.8			6.9	235	123.85	2.4	KF 57	6
1.9	799	726	3.2			7.8	206	108.29	2.7	KA 57	6
						8.3	196	102.88	2.9	KAF57	6
						9.4	172	90.26	3.3		
0.9	1666	1514	0.9			9.6	169	145.14	3.3		
1.0	1528	1388	1.0			11	144	123.85	3.9	K 57	4
1.1	1341	1218	1.1			13	126	108.29	4.5	KF 57	4
1.3	1159	1053	1.3	K 77R37	4	14	120	102.88	4.7	KA 57	4
1.5	1017	924	1.4	KF 77R37	4	15	105	90.26	5.4	KAF57	4
1.7	897	815	1.6	KA 77R37	4	18	89	76.56	6.3		
2.0	780	709	1.9	KAF77R37	4						
2.2	685	622	2.1			6.4	251	131.87	1.50	K 47	6
2.5	608	552	2.4			7.0	231	121.48	1.63	KF 47	6
2.9	534	485	2.7			8.1	198	104.37	1.90	KA 47	6
3.2	471	428	3.1			9.4	173	90.86	2.2	KAF47	6
3.8	404	367	3.6			10	162	85.12	2.3		

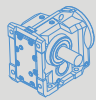
K



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Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p
<b>0.18kW</b>						<b>0.25kW</b>					
11	153	131.87	2.5	K 47	4	0.86	2484	1625	1.6		
12	141	121.48	2.7	KF 47	4	1.0	2186	1430	1.8	K 97R57	4
13	121	104.37	3.1	KA 47	4	1.1	1928	1261	2.1	KF 97R57	4
15	106	90.86	3.6	KAF47	4	1.3	1685	1102	2.4	KA 97R57	4
16	99	85.12	3.8			1.5	1463	957	2.8	KAF97R57	4
						1.6	1307	855	3.1		
8.0	202	106.38	0.93	K 37	6	0.7	3192	2088	0.80		
8.7	186	97.81	1.01	KF 37	6	0.7	2834	1854	0.90		
10	159	83.69	1.18	KA 37	6	0.8	2535	1658	1.0	K 87R57	4
12	138	72.54	1.36	KAF37	6	1.0	2163	1415	1.2	KF 87R57	4
13	124	106.38	1.52			1.1	1879	1229	1.4	KA 87R57	4
14	114	97.81	1.65			1.3	1648	1078	1.5	KAF87R57	4
17	97	83.69	1.93			1.5	1454	951	1.7		
19	84	72.54	2.2			1.7	1280	837	2.0		
21	79	67.80	2.4			1.9	1110	726	2.3		
24	68	58.60	2.8			2.2	975	638	2.6		
28	58	49.79	3.2								
31	52	44.46	3.6			1.3	1610	1053	0.9		
37	44	37.97	4.3			1.5	1413	924	1.0		
39	41	35.57	4.5	K 37	4	1.7	1246	815	1.2		
46	35	29.96	5.4	KF 37	4	2.0	1084	709	1.3		
48	34	28.83	5.6	KA 37	4	2.2	951	622	1.5		
56	29	24.99	6.5	KAF37	4	2.5	844	552	1.7	K 77R37	4
60	27	23.36	6.7			2.9	741	485	2.0	KF 77R37	4
69	23	20.19	7.4			3.2	654	428	2.2	KA 77R37	4
81	20	17.15	8.5			3.9	547	358	2.7	KAF77R37	4
91	18	15.31	9.2			4.3	489	320	3.0		
106	15	13.08	10			4.9	433	283	3.4		
114	14	12.14	11			5.7	376	246	3.9		
133	12	10.49	12			6.4	330	216	4.4		
156	10	8.91	15			7.3	292	191	5.0		
175	9	7.96	16			8.2	260	170	5.6		
<b>0.25kW</b>						2.3	937	613	0.8		
0.14	15010	9819	0.81			2.6	829	542	0.9	K 67R37	4
0.16	12907	8443	0.95			3.0	720	471	1.1	KF 67R37	4
0.19	11438	7482	1.07	K 127R77	4	3.3	642	420	1.2	KA 67R37	4
0.21	10036	6565	1.2	KF 127R77	4	3.9	552	361	1.4	KAF67R37	4
0.24	8872	5804	1.4	KA 127R77	4	4.3	494	323	1.6		
0.28	7685	5027	1.6	KAF127R77	4	5.1	416	272	1.9		
0.31	6761	4423	1.8			5.8	367	240	2.1		
0.37	5811	3801	2.1			6.4	332	217	2.3		
0.43	4948	3237	2.5								
0.23	9320	6097	0.81			3.3	644	421	0.9		
0.25	8533	5582	0.88			3.8	553	362	1.0		
0.27	7743	5065	1.0			4.4	488	319	1.2		
0.32	6572	4299	1.1			5.1	417	273	1.4		
0.37	5743	3757	1.3			5.8	367	240	1.5	K 57R37	4
0.43	4947	3236	1.5	K 107R77	4	6.5	329	215	1.7	KF 57R37	4
0.48	4386	2869	1.7	KF 107R77	4	7.2	294	192	1.9	KA 57R37	4
0.56	3828	2504	2.0	KA 107R77	4	8.4	254	166	2.2	KAF57R37	4
0.63	3368	2203	2.2	KAF107R77	4	9.9	216	141	2.6		
0.74	2857	1869	2.6			11	193	126	2.9		
0.82	2582	1689	2.9			13	165	108	3.4		
0.91	2343	1533	3.2			15	145	95	3.9		
1.06	2013	1317	3.7								
0.45	4751	3108	0.9	K 97R57	4	4.2	536	154.02	2.7	K 77	8
0.50	4215	2757	1.0	KF 97R57	4	4.8	471	135.28	3.1	KF 77	8
0.57	3698	2419	1.1	KA 97R57	4	5.0	447	128.52	3.3	KA 77	8
0.65	3245	2123	1.2	KAF97R57	4	5.7	395	113.56	3.7	KAF77	8
0.75	2837	1856	1.4								
						4.4	507	192.18	2.9	K 77	6
						4.7	474	179.37	3.1	KF 77	6
						5.5	407	154.02	3.6	KA 77	6
						6.3	357	135.28	4.1	KAF77	6





Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p
<b>0.25kW</b>						<b>0.37kW</b>					
5.2	430	123.54	1.8	K 67	8	0.19	16930	7483	0.72		
6.0	376	108.03	2.1	KF 67	8	0.21	14853	6565	0.82		
6.3	357	102.62	2.2	KA 67	8	0.24	13131	5804	0.93	K 127R77	4
7.2	313	90.04	2.5	KAF67	8	0.28	11373	5027	1.07	KF 127R77	4
						0.31	10007	4423	1.22	KA 127R77	4
5.9	382	144.79	2.0	K 67	6	0.37	8600	3801	1.42	KAF127R77	4
6.9	326	123.54	2.4	KF 67	6	0.43	7324	3237	1.67		
7.9	285	108.03	2.7	KA 67	6	0.72	4357	1926	2.80		
8.3	271	102.62	2.8	KAF67	6	0.79	3975	1757	3.07		
						0.90	3486	1541	3.51		
9.6	234	144.79	3.3	K 67	4	0.37	8500	3757	0.88		
11	199	123.54	3.9	KF 67	4	0.43	7321	3236	1.03		
13	174	108.03	4.4	KA 67	4	0.48	6491	2869	1.16		
14	166	102.62	4.7	KAF67	4	0.56	5665	2504	1.33	K 107R77	4
5.9	383	145.14	1.5	K 57	6	0.63	4984	2203	1.51	KF 107R77	4
6.9	327	123.85	1.7	KF 57	6	0.74	4229	1869	1.78	KA 107R77	4
7.8	286	108.29	2.0	KA 57	6	0.82	3821	1689	1.97	KAF107R77	4
8.3	272	102.88	2.1	KAF57	6	0.91	3468	1533	2.2		
9.4	238	90.26	2.4			1.06	2980	1317	2.5		
11	202	76.56	2.8			1.21	2602	1150	2.9		
9.6	234	145.14	2.4			0.65	4803	2123	0.84		
11	200	123.85	2.8	K 57	4	0.75	4199	1856	0.96		
13	175	108.29	3.2	KF 57	4	0.86	3676	1625	1.10		
14	166	102.88	3.4	KA 57	4	0.97	3235	1430	1.25	K 97R57	4
15	146	90.26	3.9	KAF57	4	1.1	2853	1261	1.42	KF 97R57	4
18	124	76.56	4.6			1.3	2493	1102	1.62	KA 97R57	4
6.4	348	131.87	1.08	K 47	6	1.5	2165	957	1.87	KAF97R57	4
7.0	321	121.48	1.17	KF 47	6	1.6	1934	855	2.1		
8.1	276	104.37	1.36	KA 47	6	1.9	1681	743	2.4		
9.4	240	90.86	1.57	KAF47	6	2.1	1473	651	2.7		
10	225	85.12	1.67			2.4	1296	573	3.1		
11	213	131.87	1.77	K 47	4	1.0	3201	1415	0.79		
11	196	121.48	1.92	KF 47	4	1.1	2781	1229	0.91		
13	169	104.37	2.2	KA 47	4	1.3	2439	1078	1.04		
15	147	90.86	2.6	KAF47	4	1.5	2152	951	1.18	K 87R57	4
16	137	85.12	2.7			1.7	1894	837	1.34	KF 87R57	4
10	221	83.69	0.9	K 37	6	1.9	1643	726	1.55	KA 87R57	4
12	192	72.54	1.0	KF 37	6	2.2	1443	638	1.76	KAF87R57	4
13	179	67.80	1.1	KA 37	6	2.5	1272	562	2.0		
15	155	58.60	1.2	KAF37	6	2.9	1072	474	2.4		
17	131	49.79	1.4			3.3	964	426	2.6		
						3.7	844	373	3.0		
13	172	106.38	1.1			1.7	1844	815	0.79		
14	158	97.81	1.2			2.0	1604	709	0.91		
17	135	83.69	1.4			2.2	1407	622	1.04		
19	117	72.54	1.6			2.5	1249	552	1.17	K 77R37	4
21	109	67.80	1.7			2.9	1097	485	1.33	KF 77R37	4
24	95	58.60	2.0			3.2	968	428	1.50	KA 77R37	4
28	80	49.79	2.3			3.9	810	358	1.80	KAF77R37	4
31	72	44.46	2.6			4.3	724	320	2.0		
37	61	37.97	3.1			4.9	640	283	2.3		
39	57	35.57	3.3	K 37	4	5.7	557	246	2.6		
46	48	29.96	3.9	KF 37	4	6.4	489	216	3.0		
48	47	28.83	4.0	KA 37	4	7.3	432	191	3.4		
56	40	24.99	4.7	KAF37	4	8.2	385	170	3.8		
60	38	23.36	4.9			9.3	339	150	4.3		
69	33	20.19	5.3			3.3	950	420	0.81		
81	28	17.15	6.1			3.9	817	361	0.94		
91	25	15.31	6.7			4.3	731	323	1.05	K 67R37	4
106	21	13.08	7.3			5.1	615	272	1.25	KF 67R37	4
114	20	12.14	7.7			5.8	543	240	1.42	KA 67R37	4
133	17	10.49	8.9			6.4	491	217	1.57	KAF67R37	4
156	14	8.91	10			7.3	432	191	1.78		
175	13	7.96	11			8.4	376	166	2.05		
204	11	6.80	13			9.7	326	144	2.37		
218	10	6.37	13			12	269	119	2.86		

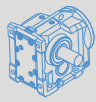
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Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p
<b>0.37kW</b>						<b>0.37kW</b>					
5.1	618	273	0.91	K 57R37	4	8.5	392	104.37	0.96	K 47	6
5.8	543	240	1.04			9.7	341	90.86	1.10	KF 47	6
6.5	486	215	1.16			10	319	85.12	1.18	KA 47	6
7.2	434	192	1.30			12	282	75.2	1.33	KAF47	6
8.4	376	166	1.50			11 315 131.87 1.19 12 290 121.48 1.30 13 249 104.37 1.51 15 217 90.86 1.73 16 203 85.12 1.85 18 180 75.20 2.1 20 167 69.84 2.3 22 151 63.30 2.5					
9.9	319	141	1.77								
11	285	126	1.98								
13	244	108	2.3								
15	215	95	2.6								
3.8	868	174.99	2.9	K 87	8	14 234 97.81 0.80 17 200 83.69 0.94 19 173 72.54 1.08 21 162 67.80 1.16 24 140 58.60 1.34 28 119 49.79 1.58 31 106 44.46 1.77 37 91 37.97 2.07 39 85 35.57 2.21 46 72 29.96 2.63 48 69 28.83 2.73 56 60 24.99 3.15 60 56 23.36 3.28 69 48 20.19 3.60 81 41 17.15 4.13 91 37 15.31 4.5 106 31 13.08 5.0 114 29 12.14 5.2 133 25 10.49 6.0 156 21 8.91 7.1 175 19 7.96 7.7 204 16 6.80 8.7 218 15 6.37 9.0 259 13 5.56 10					
4.1	813	164.05	3.1	KF 87	8						
4.6	729	147.09	3.5	KA 87	8						
				KAF87	8						
4.5	740	197.27	3.4	K 87	6						
5.1	657	174.99	3.9	KF 87	6						
				KA 87	6						
				KAF87	6						
5.0	671	135.28	2.2	K 77	8	K 37 4 KF 37 4 KA 37 4 KAF37 4					
5.2	637	128.52	2.3	KF 77	8						
5.9	563	113.56	2.6	KA 77	8						
6.9	481	97.05	3.0	KAF77	8						
5.7	578	154.02	2.5	K 77	6						
6.5	508	135.28	2.9	KF 77	6						
6.9	482	128.52	3.0	KA 77	6						
7.8	426	113.56	3.4	KAF77	6						
7.23	459	192.18	3.2	K 77	4	<b>0.55kW</b> 0.08 57099 16978 0.82 0.10 47998 14272 0.98 0.11 44111 13116 1.07 0.12 39170 11647 1.20 0.19 24662 7333 1.9 0.12 38783 11532 0.78 0.14 34395 10227 0.87 0.16 28913 8597 1.04 0.21 21988 6538 1.37 0.26 18046 5366 1.67 0.34 13651 4059 2.2 0.20 23142 6881 0.73 0.23 19947 5931 0.85 0.35 13365 3974 1.27 0.46 10247 3047 1.65 0.31 14875 4423 0.82 0.37 12783 3801 0.96 0.43 10886 3237 1.12 0.47 9891 2941 1.24 0.55 8569 2548 1.43 0.72 6477 1926 1.89 0.79 5909 1757 2.1 0.90 5183 1541 2.4 1.0 4513 1342 2.7 1.2 3958 1177 3.1 1.4 3447 1025 3.5					
7.75	429	179.37	3.4	KF 77	4						
9.02	368	154.02	4.0	KA 77	4						
				KAF77	4						
6.2	536	108.03	1.44	K 67	8						
6.5	509	102.62	1.52	KF 67	8						
7.4	446	90.04	1.73	KA 67	8						
				KAF67	8						
7.2	464	123.54	1.66	K 67	6	K 187R97 4 KA 187R97 4					
8.2	405	108.03	1.90	KF 67	6						
8.6	385	102.62	2.0	KA 67	6						
9.8	338	90.04	2.3	KAF67	6						
9.6	346	144.79	2.2	K 67	4						
11	295	123.54	2.6	KF 67	4						
13	258	108.03	3.0	KA 67	4						
15	215	90.04	3.6	KAF67	4						
18	182	76.37	4.2			K 167R97 4 KA 167R97 4					
7.1	465	123.85	1.2	K 57	6						
8.2	406	108.29	1.4	KF 57	6						
8.6	386	102.88	1.5	KA 57	6						
10	339	90.26	1.7	KAF57	6						
12	287	76.56	2.0								
13	259	69.12	2.2								
9.6	347	145.14	1.6	K 57	4	K 127R77 4 KF 127R77 4 KA 127R77 4 KAF127R77 4					
11	296	123.85	1.9	KF 57	4						
13	259	108.29	2.2	KA 57	4						
14	246	102.88	2.3	KAF57	4						
15	216	90.26	2.6								
18	183	76.56	3.1								
20	165	69.12	3.4								



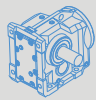
Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p
<b>0.55kW</b>						<b>0.55kW</b>					
0.48	9649	2869	0.78	K 107R77 KF 107R77 KA 107R77 KAF107R77	4	3.8	1290	174.99	2.0	K 87	8
0.56	8421	2504	0.89			4.1	1209	164.05	2.1	KF 87	8
0.63	7409	2203	1.01			4.5	1084	147.09	2.3	KA 87	8
0.74	6286	1869	1.20							KAF87	8
0.82	5680	1689	1.32			4.5	1101	197.27	2.3	K 87	6
0.91	5156	1533	1.46			5.1	976	174.99	2.6	KF 87	6
1.1	4429	1317	1.70			5.4	915	164.05	2.8	KA 87	6
1.2	3868	1150	1.94			6.0	821	147.09	3.1	KAF87	6
1.4	3414	1015	2.2								
1.6	2929	871	2.6			6.5	755	135.28	1.9	K 77	8
1.8	2630	782	2.9	K 97R57 KF 97R57 KA 97R57 KAF97R57	4	6.9	717	128.52	2.0	KF 77	8
2.0	2307	686	3.3			7.8	634	113.56	2.3	KA 77	8
2.3	2038	606	3.7			9.1	541	97.05	2.7	KAF77	8
1.0	4809	1430	0.8			5.7	859	154.02	1.70	K 77	6
1.1	4241	1261	1.0			6.5	755	135.28	1.93	KF 77	6
1.3	3706	1102	1.1			6.9	717	128.52	2.0	KA 77	6
1.5	3218	957	1.3			7.8	634	113.56	2.3	KAF77	6
1.6	2875	855	1.4								
1.9	2499	743	1.6			9.0	547	154.02	2.7	K 77	4
2.1	2189	651	1.8			10	481	135.28	3.0	KF 77	4
2.4	1927	573	2.1	K 87R57 KF 87R57 KA 87R57 KAF87R57	4	11	457	128.52	3.2	KA 77	4
2.8	1695	504	2.4			12	403	113.56	3.6	KAF77	4
3.2	1470	437	2.8			14	345	97.05	4.2		
3.6	1285	382	3.1								
4.6	1026	305	3.9			7.2	689	123.54	1.12	K 67	6
1.5	3198	951	0.79			8.2	603	108.03	1.28	KF 67	6
1.7	2815	837	0.90			8.6	573	102.62	1.35	KA 67	6
1.9	2442	726	1.04			10	502	90.04	1.53	KAF67	6
2.2	2146	638	1.18			12	426	76.37	1.81		
2.5	1890	562	1.34								
2.9	1594	474	1.59	K 77R37 KF 77R37 KA 77R37 KAF77R37	4	11	439	123.54	1.76	K 67	4
3.3	1433	426	1.77			13	384	108.03	2.0	KF 67	4
3.7	1254	373	2.0			15	320	90.04	2.4	KA 67	4
4.2	1110	330	2.3			18	271	76.37	2.8	KAF67	4
4.7	985	293	2.6								
5.6	841	250	3.0			8.2	604	108.29	0.93	K 57 KF 57 KA 57 KAF57	6
5.9	794	236	3.2			8.6	574	102.88	0.98		
6.9	676	201	3.8			9.8	504	90.26	1.12		
2.5	1856	552	0.78			12	427	76.56	1.32		
2.9	1631	485	0.89			13	386	69.12	1.46		
3.2	1439	428	1.01	K 67R37 KF 67R37 KA 67R37 KAF67R37	4	14	339	60.81	1.66		
3.9	1204	358	1.21			15	320	57.42	1.76		
4.3	1076	320	1.35								
4.9	952	283	1.53			11	440	123.85	1.28	K 47 KF 47 KA 47 KAF47	4
5.7	827	246	1.76			13	385	108.29	1.47		
6.4	726	216	2.0			14	365	102.88	1.54		
7.3	642	191	2.3			15	321	90.26	1.76		
8.2	572	170	2.5			18	272	76.56	2.1		
9.3	504	150	2.9			20	246	69.12	2.3		
5.1	915	272	0.84	K 57R37 KF 57R37 KA 57R37 KAF57R37	4	23	216	60.81	2.6		
5.8	807	240	0.95			24	204	57.42	2.8		
6.4	730	217	1.1								
7.3	642	191	1.2			13	371	104.37	1.01	K 37 KF 37 KA 37 KAF37	4
8.4	558	166	1.4			15	323	90.86	1.17		
9.7	484	144	1.6			16	302	85.12	1.24		
12	400	119	1.9			18	267	75.20	1.41		
7.2	646	192	0.87			20	248	69.84	1.52		
8.4	558	166	1.0			22	225	63.30	1.67		
9.9	474	141	1.2			24	202	56.83	1.86		
11	424	126	1.3			28	174	48.95	2.2		
13	363	108	1.6			30	164	46.03	2.3		
15	319	95	1.8			24	208	58.6	0.90	K 37	4
						28	177	49.79	1.06	KF 37	4
						31	158	44.46	1.19	KA 37	4
						37	135	37.97	1.39	KAF37	4

K



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Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p
<b>0.55kW</b>						<b>0.75kW</b>					
39	126	35.57	1.49			1.9	3329	726	0.76		
46	106	29.96	1.77			2.2	2926	638	0.87		
48	102	28.83	1.84			2.5	2577	562	0.98		
56	89	24.99	2.1	K 37	4	2.9	2174	474	1.17	K 87R57	4
60	83	23.36	2.2	KF 37	4	3.3	1954	426	1.30	KF 87R57	4
69	72	20.19	2.4	KA 37	4	3.7	1711	373	1.48	KA 87R57	4
81	61	17.15	2.8	KAF37	4	4.2	1513	330	1.68	KAF87R57	4
91	54	15.31	3.0			4.7	1344	293	1.89		
106	46	13.08	3.3			5.6	1147	250	2.2		
114	43	12.14	3.5			5.9	1082	236	2.3		
133	37	10.49	4.0			6.9	922	201	2.8		
156	32	8.91	4.8								
175	28	7.96	5.2			3.9	1642	358	0.89	K 77R37	4
204	24	6.80	5.8			4.3	1468	320	0.99	KF 77R37	4
218	23	6.37	6.0			4.9	1298	283	1.12	KA 77R37	4
259	19	5.36	6.9			5.7	1128	246	1.29	KAF77R37	4
						6.4	991	216	1.47		
<b>0.75kW</b>						3.9	1737	175.47	2.3	K 97	8
0.11	60151	13116	0.78			4.4	1508	152.31	2.7	KF 97	8
0.12	53414	11647	0.88	K 187R97	4	4.8	1389	140.28	2.9	KA 97	8
0.19	33630	7333	1.40	KA 187R97	4					KAF97	8
0.21	30901	6738	1.52			4.6	1456	147.09	1.7	K 87	8
0.23	27443	5984	1.71			5.4	1254	126.68	2.0	KF 87	8
						5.9	1140	115.16	2.2	KA 87	8
0.16	39426	8597	0.76	K 167R97	4	6.6	1017	102.71	2.5	KAF87	8
0.21	29984	6538	1.00	KA 167R97	4						
0.26	24609	5366	1.22			5.2	1295	174.99	2.0	K 87	6
0.34	18615	4059	1.62			5.5	1214	164.05	2.1	KF 87	6
0.41	15405	3359	1.95			6.2	1088	147.09	2.3	KA 87	6
						7.2	937	126.68	2.7	KAF87	6
0.35	18225	3974	0.93	K 157R97	4						
0.46	13974	3047	1.21	KF 157R97	4	7.0	956	197.27	2.7	K 87	4
0.83	7705	1680	2.2	KA 157R97	4	8.0	848	174.99	3.0	KF 87	4
1.02	6260	1365	2.7	KAF157R97	4	8.5	795	164.05	3.2	KA 87	4
						9.4	712	147.09	3.6	KAF87	4
0.43	14845	3237	0.82								
0.47	13488	2941	0.91			6.7	1001	135.28	1.46	K 77	6
0.55	11685	2548	1.05	K 127R77	4	7.1	951	128.52	1.53	KF 77	6
0.72	8833	1926	1.38	KF 127R77	4	8.0	840	113.56	1.73	KA 77	6
0.79	8058	1757	1.52	KA 127R77	4	9.4	718	97.05	2.0	KAF77	6
0.90	7067	1541	1.73	KAF127R77	4	10	658	88.97	2.2		
1.0	6154	1342	1.99								
1.2	5398	1177	2.3			9.0	746	154.02	1.95	K 77	4
1.4	4701	1025	2.6			10	655	135.28	2.2	KF 77	4
1.5	4123	899	3.0			11	623	128.52	2.3	KA 77	4
						12	550	113.56	2.6	KAF77	4
0.82	7746	1689	0.97			14	470	97.05	3.1		
0.91	7030	1533	1.07								
1.1	6040	1317	1.25	K 107R77	4	11	598	123.54	1.29		
1.2	5274	1150	1.43	KF 107R77	4	13	523	108.03	1.47	K 67	4
1.4	4655	1015	1.62	KA 107R77	4	15	436	90.04	1.77	KF 67	4
1.6	3994	871	1.88	KAF107R77	4	18	370	76.37	2.1	KA 67	4
1.8	3586	782	2.1			20	334	68.95	2.3	KAF67	4
2.0	3146	686	2.4			23	294	60.66	2.6		
2.3	2779	606	2.7			24	277	57.28	2.8		
1.3	5054	1102	0.8			11	600	123.85	0.9		
1.5	4389	957	0.9			13	525	108.29	1.1		
1.6	3921	855	1.0			14	498	102.88	1.1		
1.9	3407	743	1.2	K 97R57	4	15	437	90.26	1.3	K 57	4
2.1	2986	651	1.4	KF 97R57	4	18	371	76.56	1.5	KF 57	4
2.4	2628	573	1.5	KA 97R57	4	20	335	69.12	1.7	KA 57	4
2.8	2311	504	1.7	KAF97R57	4	23	295	60.81	1.9	KAF57	4
3.2	2004	437	2.0			24	278	57.42	2.0		
3.6	1752	382	2.3			28	237	48.89	2.4		
4.6	1399	305	2.9			31	215	44.43	2.6		
5.4	1183	258	3.4								
6.0	1064	232	3.8								
7.0	913	199	4.4								



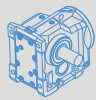
Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p
<b>0.75kW</b>						<b>1.1kW</b>					
18	364	75.2	1.03			1.5	6047	899	2.0		
20	338	69.84	1.11			1.8	5314	790	2.3	K 127R77	4
22	307	63.30	1.23	K 47	4	2.0	4641	690	2.6	KF 127R77	4
24	275	56.83	1.37	KF 47	4	2.3	4029	599	3.0	KA 127R77	4
28	237	48.95	1.59	KA 47	4	2.6	3625	539	3.4	KAF127R77	4
30	223	46.03	1.69	KAF47	4	3.0	3148	468	3.9		
35	192	39.61	1.96			1.2	7735	1150	1.0		
39	171	35.39	2.2			1.4	6827	1015	1.1		
45	151	31.19	2.5			1.6	5859	871	1.3		
31	215	44.46	0.87			1.8	5260	782	1.4	K 107R77	4
37	184	37.97	1.02			2.0	4614	686	1.6	KF 107R77	4
39	172	35.57	1.09			2.3	4076	606	1.8	KA 107R77	4
46	145	29.96	1.30			2.7	3464	515	2.2	KAF107R77	4
48	140	28.83	1.35			3.1	3060	455	2.5		
56	121	24.99	1.55			3.5	2704	402	2.8		
60	113	23.36	1.62			4.0	2361	351	3.2		
69	98	20.19	1.78	K 37	4	4.5	2065	307	3.6		
81	83	17.15	2.0	KF 37	4	1.9	4998	743	0.81		
91	74	15.31	2.2	KA 37	4	2.1	4379	651	0.92	K 97R57	4
106	63	13.08	2.4	KAF37	4	2.4	3854	573	1.05	KF 97R57	4
114	59	12.14	2.6			2.8	3390	504	1.19	KA 97R57	4
133	51	10.49	3.0			3.2	2939	437	1.38	KAF97R57	4
156	43	8.91	3.5			3.6	2569	382	1.57		
175	39	7.96	3.8			4.1	2300	342	1.76		
204	33	6.80	4.3			2.9	3188	474	0.80		
218	31	6.37	4.4			3.3	2865	426	0.89		
259	26	5.36	5.1			3.7	2509	373	1.01	K 87R57	4
<b>1.1kW</b>						4.2	2220	330	1.14	KF 87R57	4
0.15	62528	9363	0.75			4.7	1971	293	1.29	KA 87R57	4
0.17	54267	8126	0.87			5.6	1682	250	1.51	KAF87R57	4
0.19	48971	7333	0.96	K 187R97	4	5.9	1587	236	1.60		
0.21	44998	6738	1.04	KA 187R97	4	6.9	1352	201	1.88		
0.23	39962	5984	1.18			3.9	2548	175.47	1.6	K 97	8
0.26	35728	5350	1.32			4.4	2212	152.31	1.8	KF 97	8
0.29	32122	4810	1.46			4.8	2037	140.28	2.0	KA 97	8
0.32	29144	4364	1.61			5.5	1810	124.61	2.2	KAF97	8
0.26	35835	5366	0.84			5.2	1904	175.47	2.1	K 97	6
0.29	32042	4798	0.94			5.9	1653	152.31	2.4	KF 97	6
0.34	27107	4059	1.11	K 167R97	4	6.5	1522	140.28	2.7	KA 97	6
0.42	22432	3359	1.34	KA 167R97	4	7.3	1352	124.61	3.0	KAF97	6
0.51	18305	2741	1.64			8.0	1238	175.47	3.3	K 97	4
0.64	14518	2174	2.1			9.1	1074	152.31	3.7	KF 97	4
0.82	11340	1698	2.7			10	989	140.28	4.1	KA 97	4
1.00	9363	1402	3.2							KAF97	4
1.08	8622	1291	3.5			5.2	1899	174.99	1.34	K 87	6
0.40	23480	3516	0.72			5.5	1780	164.05	1.42	KF 87	6
0.46	20375	3051	0.83			6.2	1596	147.09	1.59	KA 87	6
0.54	17430	2610	0.97			7.2	1375	126.68	1.84	KAF87	6
0.60	15507	2322	1.09	K 157R97	4	8.0	1234	174.99	2.1	K 87	4
0.83	11219	1680	1.51	KF 157R97	4	8.5	1157	164.05	2.2	KF 87	4
1.0	9116	1365	1.86	KA 157R97	4	9.5	1037	147.09	2.4	KA 87	4
1.1	8207	1229	2.1	KAF157R97	4	11	894	126.68	2.8	KAF87	4
1.3	7299	1093	2.3			12	812	115.16	3.1		
1.5	6291	942	2.7			6.7	1468	135.28	0.99	K 77	6
1.6	5703	854	3.0			7.1	1395	128.52	1.04	KF 77	6
0.72	12955	1926	0.9			8.0	1232	113.56	1.18	KA 77	6
0.79	11818	1757	1.0	K 127R77	4	9.4	1053	97.05	1.38	KAF77	6
0.90	10365	1541	1.2	KF 127R77	4						
1.0	9027	1342	1.4	KA 127R77	4						
1.2	7917	1177	1.5	KAF127R77	4						
1.4	6894	1025	1.8								

K



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Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p
<b>1.1kW</b>						<b>1.5kW</b>					
10	954	135.28	1.53			0.21	61360	6738	0.77		
11	906	128.52	1.61	K 77	4	0.23	54494	5984	0.86		
12	801	113.56	1.82	KF 77	4	0.26	48720	5350	0.96		
14	685	97.05	2.1	KA 77	4	0.29	43803	4810	1.07	K 187R97	4
16	628	88.97	2.3	KAF77	4	0.32	39741	4364	1.18	KA 187R97	4
18	551	78.07	2.6			0.39	32866	3609	1.43		
19	522	73.99	2.8			0.46	27884	3062	1.69		
						0.56	22940	2519	2.0		
						0.62	20654	2268	2.3		
13	762	108.03	1.01			0.34	36964	4059	0.81		
14	724	102.62	1.06			0.42	30589	3359	0.98		
16	635	90.04	1.21			0.51	24961	2741	1.21		
18	539	76.37	1.43	K 67	4	0.64	19798	2174	1.52	K 167R97	4
20	486	68.95	1.58	KF 67	4	0.82	15463	1698	1.95	KA 167R97	4
23	428	60.66	1.80	KA 67	4	1.0	12767	1402	2.4		
24	404	57.28	1.91	KAF67	4	1.1	11757	1291	2.6		
29	344	48.77	2.2			0.6	21118	2319	0.8		
32	313	44.32	2.5			0.8	15299	1680	1.1		
36	271	38.39	2.8			1.0	12431	1365	1.4	K 157R97	4
						1.1	11192	1229	1.5	KF 157R97	4
16	637	90.26	0.89			1.3	9954	1093	1.7	KA 157R97	4
18	540	76.56	1.04			1.5	8578	942	2.0	KAF157R97	4
20	488	69.12	1.16			1.6	7777	854	2.2		
23	429	60.81	1.31			2.5	5145	565	3.3		
24	405	57.42	1.39			2.8	4581	503	3.7		
29	345	48.89	1.64			2.6	4881	536	2.5	K 127R87	4
32	313	44.43	1.80			3.3	3807	418	3.2	KF 127R87	4
36	271	38.49	2.1			3.8	3342	367	3.7	KA 127R87	4
39	252	35.70	2.2							KAF127R87	4
46	214	30.28	2.6			0.80	16000	1757	0.76		
51	193	27.34	2.9	K 57	4	0.91	14033	1541	0.87		
58	170	24.05	3.3	KF 57	4	1.0	12221	1342	1.00		
62	160	22.71	3.5	KA 57	4	1.2	10718	1177	1.14	K 127R77	4
72	136	19.34	4.0	KAF57	4	1.4	9334	1025	1.31	KF 127R77	4
80	124	17.57	4.2			1.6	8187	899	1.49	KA 127R77	4
92	107	15.22	4.6			1.8	7194	790	1.70	KAF127R77	4
106	93	13.25	4.7			2.0	6284	690	1.94		
117	84	11.92	4.9			2.3	5455	599	2.2		
124	79	11.26	5.1			2.6	4908	539	2.5		
146	68	9.59	5.6			3.0	4262	468	2.9		
161	61	8.71	6.0			3.4	3734	410	3.3		
185	53	7.55	6.4			1.4	9243	1015	0.8		
213	46	6.57	7.0			1.6	7932	871	0.9		
						1.8	7121	782	1.1		
25	401	56.83	0.94			2.0	6247	686	1.2	K 107R77	4
29	345	48.95	1.09			2.3	5519	606	1.4	KF 107R77	4
30	325	46.03	1.16			2.7	4690	515	1.6	KA 107R77	4
35	279	39.61	1.35	K 47	4	3.1	4144	455	1.8	KAF107R77	4
40	250	35.39	1.51	KF 47	4	3.5	3661	402	2.1		
45	220	31.19	1.71	KA 47	4	4.0	3196	351	2.4		
48	207	29.32	1.82	KAF47	4	4.6	2796	307	2.7		
54	183	25.91	2.1			2.4	5218	573	0.8		
64	154	21.81	2.4			2.8	4590	504	0.9		
72	138	19.58	2.7			3.2	3980	437	1.0		
						3.7	3479	382	1.2	K 97R57	4
47	211	29.96	0.89			4.1	3114	342	1.3	KF 97R57	4
56	176	24.99	1.07			4.6	2778	305	1.5	KA 97R57	4
60	165	23.36	1.11			5.4	2350	258	1.7	KAF97R57	4
69	142	20.19	1.22			6.0	2113	232	1.9		
82	121	17.15	1.40			7.0	1812	199	2.2		
91	108	15.31	1.52	K 37	4						
107	92	13.08	1.68	KF 37	4						
115	86	12.14	1.76	KA 37	4						
133	74	10.49	2.0	KAF37	4						
157	63	8.91	2.4								
176	56	7.96	2.6								
206	48	6.80	2.9								
220	45	6.37	3.0								
261	38	5.36	3.5								

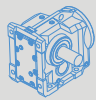


Output speed r/min	Output torque Nm	Ratio i	Service factor f <sub>B</sub>	Type Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor f <sub>B</sub>	Type Type	Pole p
<b>1.5kW</b>						<b>1.5kW</b>					
4.2	3005	330	0.84	K 87R57	4	23	585	60.81	0.96		
4.8	2668	293	0.95	KF 87R57	4	24	552	57.42	1.02		
5.6	2277	250	1.11	KA 87R57	4	29	470	48.89	1.20		
5.9	2149	236	1.18	KAF87R57	4	32	427	44.43	1.32	K 57	4
7.0	1830	201	1.39			36	370	38.49	1.52	KF 57	4
7.7	1667	183	1.52			39	343	35.70	1.64	KA 57	4
						46	291	30.28	1.94	KAF57	4
4.9	2770	141.93	2.7	K 107	8	51	263	27.34	2.1		
5.8	2334	119.58	3.2	KF 107	8	58	231	24.05	2.4		
6.2	2163	110.83	3.5	KA 107	8	62	218	22.71	2.6		
				KAF107	8	72	186	19.34	2.9		
4.5	2972	152.31	1.36	K 97	8	35	381	39.61	0.99		
4.9	2738	140.28	1.48	KF 97	8	40	340	35.39	1.10		
5.5	2432	124.61	1.66	KA 97	8	45	300	31.19	1.25		
				KAF97	8	48	282	29.32	1.33	K 47	4
5.2	2569	175.47	1.57	K 97	6	54	249	25.91	1.51	KF 47	4
6.0	2229	152.31	1.81	KF 97	6	64	210	21.81	1.79	KA 47	4
6.6	2053	140.28	1.97	KA 97	6	72	188	19.58	2.0	KAF47	4
7.4	1824	124.61	2.2	KAF97	6	83	162	16.86	2.2		
						88	153	15.86	2.3		
8.0	1688	175.47	2.4	K 97	4	103	131	13.65	2.6		
9.2	1465	152.31	2.7	KF 97	4	115	117	12.19	2.8		
10	1349	140.28	3.0	KA 97	4	119	113	11.77	3.0		
11	1199	124.61	3.4	KAF97	4						
6.3	2153	147.09	1.18	K 87	6	60	225	23.36	0.82		
7.2	1854	126.68	1.37	KF 87	6	69	194	20.19	0.90		
7.9	1686	115.16	1.50	KA 87	6	82	165	17.15	1.03		
9.0	1503	102.71	1.69	KAF87	6	91	147	15.31	1.12	K 37	4
						107	126	13.08	1.23	KF 37	4
8.0	1683	174.99	1.51			115	117	12.14	1.29	KA 37	4
8.5	1578	164.05	1.61			133	101	10.49	1.49	KAF37	4
9.5	1415	147.09	1.79	K 87	4	157	86	8.91	1.75		
11	1218	126.68	2.1	KF 87	4	176	77	7.96	1.90		
12	1108	115.16	2.3	KA 87	4	206	65	6.80	2.2		
14	988	102.71	2.6	KAF87	4	220	61	6.37	2.2		
16	830	86.34	3.1			261	52	5.36	2.6		
8.0	1680	113.56	0.87	K 77	6	<b>2.2kW</b>					
9.4	1436	97.05	1.01	KF 77	6	0.33	57466	4364	0.82		
10	1317	88.97	1.11	KA 77	6	0.39	47524	3609	0.99		
12	1155	78.07	1.26	KAF77	6	0.46	40321	3062	1.17		
10	1301	135.28	1.12			0.50	37108	2818	1.27		
11	1236	128.52	1.18			0.56	33171	2519	1.42	K 187R97	4
12	1092	113.56	1.33			0.63	29866	2268	1.57	KA 187R97	4
14	933	97.05	1.56			0.69	27048	2054	1.74		
16	856	88.97	1.70	K 77	4	0.78	23979	1821	1.96		
18	751	78.07	1.94	KF 77	4	0.88	21135	1605	2.2		
19	712	73.99	2.0	KA 77	4						
22	623	64.75	2.3	KAF77	4	0.52	36094	2741	0.83		
24	561	58.34	2.6			0.63	29655	2252	1.01		
27	492	51.18	3.0			0.65	28628	2174	1.05	K 167R97	4
31	434	45.16	3.4			0.84	22360	1698	1.35	KA 167R97	4
35	385	40.04	3.8			1.0	18462	1402	1.63		
16	866	90.04	0.89			1.1	17000	1291	1.77		
18	735	76.37	1.05			1.3	14498	1101	2.1		
20	663	68.95	1.16			1.5	12431	944	2.4		
23	583	60.66	1.32	K 67	4	0.85	22123	1680	0.76		
24	551	57.28	1.40	KF 67	4	1.0	17975	1365	0.94	K 157R97	4
29	469	48.77	1.64	KA 67	4	1.2	16184	1229	1.05	KF 157R97	4
32	426	44.32	1.81	KAF67	4	1.3	14393	1093	1.18	KA 157R97	4
36	369	38.39	2.1			1.5	12404	942	1.36	KAF157R97	4
39	343	35.62	2.2			1.7	11246	854	1.50		
46	291	30.22	2.7			1.9	9955	756	1.70		
51	262	27.28	2.9								
58	231	24.00	3.3								

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Output speed r/min	Output torque Nm	Ratio i	Service factor f <sub>B</sub>	Type Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor f <sub>B</sub>	Type Type	Pole p
<b>3.0kW</b>						<b>3.0kW</b>					
0.46	54983	3062	0.85	K 187R97 KA 187R97	4	10	2692	141.93	2.8	K 107	4
0.5	50602	2818	0.93			12	2268	119.58	3.3	KF 107	4
0.56	45233	2519	1.04							KA 107	4
0.63	40726	2268	1.15							KAF107	4
0.69	36883	2054	1.27			7.7	3496	124.61	1.16	K 97	6
0.78	32699	1821	1.44			9.3	2911	103.78	1.39	KF 97	6
0.88	28820	1605	1.63			9.9	2716	96.80	1.49	KA 97	6
1.0	25050	1395	1.88			11	2427	86.52	1.67	KAF97	6
1.2	21476	1196	2.2								
0.84	30490	1698	0.99	K 167R97 KF 167R97 KA 167R97 KAF167R97	4	8.1	3328	175.47	1.21	K 97 KF 97 KA 97 KAF97	4
1.0	25175	1402	1.2			9.3	2889	152.31	1.40		
1.1	23182	1291	1.3			10	2660	140.28	1.52		
1.3	19770	1101	1.52			11	2363	124.61	1.71		
1.5	16951	944	1.77			14	1968	103.78	2.05		
1.7	15137	843	1.99			15	1836	96.80	2.20		
1.9	13593	757	2.2			16	1646	86.52	2.46		
						18	1477	77.89	2.74		
1.2	22069	1229	0.77	K 157R97 KF 157R97 KA 157R97 KAF157R97	4	20	1338	70.54	3.02	K 87 KF 87 KA 87 KAF87	4
1.3	19627	1093	0.86			23	1186	62.55	3.41		
1.5	16915	942	1.00			25	1072	56.55	3.77		
1.7	15335	854	1.10			9.6	2790	147.09	0.91		
1.9	13575	756	1.25			11	2403	126.68	1.06		
2.5	10146	565	1.67			12	2184	115.16	1.16		
2.8	9032	503	1.87			14	1948	102.71	1.30		
						16	1637	86.34	1.55		
2.6	9625	536	1.27	K 127R87 KF 127R87 KA 127R87 KAF127R87	4	18	1505	79.34	1.69	K 77 KF 77 KA 77 KAF77	4
3.0	8494	473	1.44			20	1336	70.46	1.90		
3.4	7506	418	1.63			23	1195	63.00	2.1		
3.9	6590	367	1.85			25	1074	56.64	2.4		
4.3	5926	330	2.1			29	932	49.16	2.7		
4.9	5207	290	2.3			32	835	44.02	2.9		
						39	693	36.52	3.4		
1.8	14186	790	0.86	K 127R77 KF 127R77 KA 127R77 KAF127R77	4	16	1687	88.97	0.86	K 67 KF 67 KA 67 KAF67	4
2.1	12390	690	0.99			18	1481	78.07	0.98		
2.4	10756	599	1.14			19	1403	73.99	1.04		
2.6	9679	539	1.26			22	1228	64.75	1.19		
3.0	8404	468	1.45			24	1106	58.34	1.32		
3.5	7362	410	1.66			28	971	51.18	1.50		
						31	856	45.16	1.70		
						35	759	40.04	1.92		
3.1	8170	455	0.92	K 107R77 KF 107R77 KA 107R77 KAF107R77	4	40	668	35.20	2.2	K 57 KF 57 KA 57 KAF57	4
3.5	7219	402	1.04			46	586	30.89	2.5		
4.0	6303	351	1.19			32	841	44.32	0.92		
4.6	5513	307	1.36			37	728	38.39	1.06		
5.1	4974	277	1.51			40	676	35.62	1.14		
5.8	4363	243	1.72			47	573	30.22	1.34		
6.6	3861	215	1.95			52	517	27.28	1.49		
7.5	3394	189	2.2			59	455	24.00	1.65		
8.5	3017	168	2.5	K 97R57 KF 97R57 KA 97R57 KAF97R57	4	63	430	22.66	1.71	K 107 KF 107 KA 107 KAF107	8
9.5	2676	149	2.8			74	366	19.30	1.95		
10	2496	139	3.0			81	333	17.54	2.1		
						93	288	15.19	2.3		
5.5	4893	258	0.83			107	251	13.22	2.5		
6.1	4400	232	0.92			116	232	12.24	2.1		
7.1	3774	199	1.07			136	198	10.42	2.4		
						150	180	9.47	2.5		
5.0	5366	141.46	1.40	K 107 KF 107 KA 107 KAF107	8	47	574	30.28	0.98	K 57 KF 57 KA 57 KAF57	4
5.9	4543	119.76	1.66			52	519	27.34	1.09		
6.4	4204	110.83	1.79			59	456	24.05	1.24		
7.1	3768	99.34	2.0			63	431	22.71	1.31		
7.9	3402	89.68	2.2			73	367	19.34	1.47		
						81	333	17.57	1.57		
6.8	3968	141.46	1.9	K 107 KF 107 KA 107 KAF107	6						
8.0	3360	119.76	2.2								
8.7	3109	110.83	2.4								
9.7	2787	99.34	2.7								

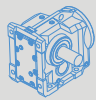
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Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p
<b>3.0kW</b>						<b>4.0kW</b>					
93	289	15.22	1.74			4.0	8404	351	0.89		
107	251	13.25	1.9			4.6	7350	307	1.02		
119	226	11.92	1.7	K 57	4	5.1	6632	277	1.13	K 107R77	4
126	214	11.26	1.8	KF 57	4	5.8	5818	243	1.29	KF 107R77	4
148	182	9.59	2.1	KA 57	4	6.6	5148	215	1.46	KA 107R77	4
163	165	8.71	2.2	KAF57	4	7.5	4525	189	1.66	KAF107R77	4
188	143	7.55	2.4			8.5	4022	168	1.68		
216	125	6.57	2.6			9.5	3567	149	1.9		
						11	3232	135	2.1		
73	371	19.58	1.01			7.1	5032	199	0.80	K 97R57	4
84	320	16.86	1.12							KF 97R57	4
90	301	15.86	1.19							KA 97R57	4
104	259	13.65	1.31							KAF97R57	4
116	231	12.19	1.42	K 47	4	5.3	6825	134.94	1.8	K 127	8
121	223	11.77	1.18	KF 47	4	5.8	6202	122.60	2.0	KF 127	8
134	200	10.56	1.31	KA 47	4	6.4	5570	110.13	2.2	KA 127	8
156	173	9.1	1.53	KAF47	4					KAF127	8
166	162	8.56	1.56			6.6	5464	146.07	2.2	K 127	6
193	140	7.36	1.68			7.1	5047	134.94	2.4	KF 127	6
216	125	6.58	1.81			7.8	4587	122.60	2.7	KA 127	6
244	110	5.81	1.96			8.7	4119	110.13	3.0	KAF127	6
159	169	8.91	0.89	K 37	4	6.4	5605	110.83	1.34	K 107	8
178	151	7.96	0.97	KF 37	4	7.1	5024	99.34	1.50	KF 107	8
209	129	6.8	1.09	KA 37	4	7.9	4536	89.68	1.66	KA 107	8
223	121	6.37	1.13	KAF37	4	8.7	4120	81.46	1.83	KAF107	8
265	102	5.36	1.29			6.8	5309	141.93	1.42	K 107	6
<b>4.0kW</b>						8.0	4473	119.58	1.68	KF 107	6
1.7	19697	825	2.4	K 187R107	4	8.7	4146	110.83	1.81	KA 107	6
2.8	12272	514	3.8	KA 187R107	4	9.7	3716	99.34	2.0	KAF107	6
0.57	59473	2510	0.79			11	3354	89.68	2.2		
0.63	53547	2268	0.88			10	3527	141.46	2.1		
0.70	48494	2054	0.97			12	2986	119.76	2.5		
0.79	42993	1821	1.09	K 187R97	4	13	2764	110.83	2.7	K 107	4
0.90	37894	1605	1.24	KA 187R97	4	14	2477	99.34	3.0	KF 107	4
1.0	32936	1395	1.43			16	2236	89.68	3.4	KA 107	4
1.2	28237	1196	1.66			18	2031	81.46	3.7	KAF107	4
1.4	24696	1046	1.90			20	1802	72.27	4.2		
1.5	22240	942	2.1			10	3498	140.28	1.16		
1.0	33101	1402	0.91			12	3107	124.61	1.30	K 97	4
1.1	30480	1291	0.99			14	2588	103.78	1.56	KF 97	4
1.3	25994	1101	1.16	K 167R97	4	15	2414	96.80	1.67	KA 97	4
1.5	22288	944	1.35	KA 167R97	4	17	2157	86.52	1.87	KAF97	4
1.7	19903	843	1.51			18	1942	77.89	2.1		
1.9	17873	757	1.68			20	1759	70.54	2.3		
2.3	14874	630	2.0			13	2872	115.16	0.88		
1.7	20163	854	0.84	K 157R97	4	14	2561	102.71	0.99		
1.9	17849	756	0.95	KF 157R97	4	17	2153	86.34	1.18		
2.5	13339	565	1.27	KA 157R97	4	18	1978	79.34	1.28	K 87	4
2.9	11876	503	1.42	KAF157R97	4	20	1757	70.46	1.44	KF 87	4
3.3	10223	433	1.66			23	1571	63.00	1.62	KA 87	4
2.7	12655	536	0.97			25	1412	56.64	1.80	KAF87	4
3.0	11167	473	1.09	K 127R87	4	29	1226	49.16	2.1		
3.4	9869	418	1.24	KF 127R87	4	33	1098	44.02	2.3		
3.9	8665	367	1.41	KA 127R87	4	39	911	36.52	2.8		
4.3	7901	330	1.55	KAF127R87	4						
4.9	6943	290	1.76								
5.6	6057	253	2.0								
2.4	14341	599	0.85	K 127R77	4						
2.6	12905	539	0.95	KF 127R77	4						
3.0	11205	468	1.09	KA 127R77	4						
3.5	9816	410	1.24	KAF127R77	4						

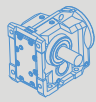


Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole						
r/min	Nm	i	f <sub>B</sub>	Type	p	r/min	Nm	i	f <sub>B</sub>	Type	p						
4.0kW						5.5kW											
22	1615	64.75	0.90	K 77 KF 77 KA 77 KAF77	4	3.4	13570	418	0.90	K 127R87 KF 127R87 KA 127R87 KAF127R87	4						
25	1455	58.34	1.00			3.9	11914	367	1.03								
28	1276	51.18	1.14			4.4	10713	330	1.14								
32	1126	45.16	1.29			5.0	9414	290	1.30								
36	998	40.04	1.46			5.7	8213	253	1.49								
38	957	38.39	1.52			6.7	6980	215	1.75								
41	878	35.20	1.66			7.1	6590	203	1.71								
47	770	30.89	1.89			8.6	5454	168	2.1								
49	730	29.27	2.0			9.7	4805	148	2.3								
56	639	25.62	2.3														
62	576	23.08	2.5														
71	505	20.25	2.9														
48	754	30.22	1.02	K 67 KF 67 KA 67 KAF67	4	6.7	6980	215	1.08	K 107R77 KF 107R77 KA 107R77 KAF107R77	4						
53	680	27.28	1.13			7.6	6136	189	1.23								
60	598	24.00	1.26			8.6	5454	168	1.38								
64	565	22.66	1.30			9.7	4837	149	1.55								
75	481	19.30	1.48			11	4383	135	1.72								
82	437	17.54	1.59			4.8	10288	150.03	1.64	K 157 KF 157 KA 157 KAF157	8						
95	379	15.19	1.74			5.9	8423	122.83	2.0								
109	330	13.22	1.91			7.2	6833	99.65	2.5								
118	305	12.24	1.63			7.8	6338	92.42	2.7								
138	260	10.42	1.81									5.3	9253	134.94	1.3	K 127 KF 127 KA 127 KAF127	8
152	236	9.47	1.91			5.9	8399	122.60	1.5								
176	204	8.20	2.02			6.5	7556	110.13	1.6								
202	178	7.14	2.2	8.1	6143	89.43	2.0										
60	600	24.05	0.94	K 57 KF 57 KA 57 KAF57	4	7.1	6940	134.94	1.76	K 127 KF 127 KA 127 KAF127	6						
63	566	22.71	1.00			7.8	6299	122.60	1.94								
74	482	19.34	1.12			8.7	5667	110.13	2.2								
82	438	17.57	1.19			11	4599	89.43	2.7								
95	380	15.22	1.33			8.7	5700	110.83	1.32	K 107 KF 107 KA 107 KAF107	6						
109	330	13.25	1.45			9.7	5109	99.34	1.47								
121	297	11.92	1.31			11	4612	89.68	1.63								
128	281	11.26	1.39			12	4190	81.46	1.79								
150	239	9.59	1.59									10	4866	141.93	1.55	K 107 KF 107 KA 107 KAF107	4
165	217	8.71	1.69			12	4100	119.58	1.83								
191	188	7.55	1.82			13	3800	110.83	1.98								
219	164	6.57	1.98			14	3406	99.34	2.2								
0.79	59116	1821	0.80	K 187R97 KA 187R97	4	16	3075	89.68	2.4	K 97 KF 97 KA 97 KAF97	4						
0.90	52104	1605	0.90			18	2793	81.46	2.7								
1.0	45286	1395	1.04			12	4273	124.61	0.95								
1.2	38826	1196	1.21			14	3558	103.78	1.1								
1.4	33957	1046	1.38			15	3319	96.80	1.2								
1.5	30580	942	1.54			17	2967	86.52	1.35								
2.0	23926	737	2.0			18	2671	77.89	1.5								
2.3	20095	619	2.3			20	2419	70.54	1.65								
1.31	35742	1101	0.84	K 167R97 KA 167R97	4	23	2145	62.55	1.85	K 87 KF 87 KA 87 KAF87	4						
1.5	30645	944	0.98			25	1939	56.55	2.1								
1.7	27367	843	1.10			30	1643	47.93	2.4								
1.9	24575	757	1.22			17	2960	86.34	0.85								
2.3	20452	630	1.47			18	2720	79.34	0.95								
2.6	18212	561	1.65			20	2416	70.46	1.05								
3.0	15550	479	1.93			23	2160	63.00	1.15								
3.4	13700	422	2.2			25	1942	56.64	1.3								
2.2	21458	661	0.79	K 157R97 KF 157R97 KA 157R97 KAF157R97	4	29	1686	49.16	1.5	K 77 KF 77 KA 77 KAF77	4						
2.5	18342	565	0.92			33	1509	44.02	1.6								
2.9	16329	503	1.04			39	1252	36.52	1.85								
3.3	14057	433	1.20			46	1076	31.39	2.3								
3.8	12271	378	1.38			52	956	27.88	2.5	K 77 KF 77 KA 77 KAF77	4						
4.3	10778	332	1.57			32	1548	45.16	0.94								
						36	1373	40.04	1.06								
						47	1059	30.89	1.38								
				49	1004	29.27	1.45	K 77 KF 77 KA 77 KAF77	4								
				56	878	25.62	1.66										



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Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p
<b>5.5kW</b>						<b>7.5kW</b>					
62	791	23.08	1.84	K 77 KF 77 KA 77 KAF77	4	6.4	10522	150.03	1.6	K 157 KF 157 KA 157 KAF157	6
71	694	20.25	2.0			7.8	8614	122.83	2.0		
81	613	17.87	2.2			9.6	6989	99.65	2.4		
91	543	15.84	2.4			10	6482	92.42	2.6		
107	464	13.52	2.5			12	5593	79.75	3.0		
117	424	12.36	2.6	K 127 KF 127 KA 127 KAF127	4	7.1	9464	134.94	1.29	K 127 KF 127 KA 127 KAF127	6
133	371	10.81	2.7			7.8	8590	122.48	1.42		
60	823	24.00	0.91			8.7	7727	110.18	1.58		
64	777	22.66	0.94			11	6272	89.43	1.95		
75	662	19.30	1.08			10	6736	146.07	1.81		
82	601	17.54	1.16	K 67 KF 67 KA 67 KAF67	4	11	6223	134.94	1.96	K 127 KF 127 KA 127 KAF127	4
95	521	15.19	1.26			12	5648	122.60	2.2		
109	453	13.22	1.39			13	5081	110.13	2.4		
118	420	12.24	1.39			16	4124	89.43	3.0		
138	357	10.42	1.32			18	3805	82.52	3.2		
152	325	9.47	1.39	K 107 KF 107 KA 107 KAF107	4	21	3272	70.95	3.7		
176	281	8.20	1.47			10	6545	141.93	1.15		
202	245	7.14	1.61			12	5514	119.58	1.36		
82	602	17.57	0.87			13	5111	110.83	1.47		
95	522	15.22	0.96	K 57 KF 57 KA 57 KAF57	4	15	4581	99.34	1.64		
109	454	13.25	0.97			16	4136	89.68	1.82		
121	409	11.92	1.01			18	3757	81.46	2.00		
128	386	11.26	1.06			20	3333	72.27	2.3		
150	329	9.59	1.16			22	3024	65.58	2.5		
165	299	8.71	1.23	K 97 KF 97 KA 97 KAF97	4	26	2599	56.37	2.9		
191	259	7.55	1.33			30	2269	49.20	3.2		
219	225	6.57	1.44			35	1925	41.74	3.6		
1.8	36021	825	1.30	K 187R107 KA 187R107	4	40	1682	36.48	4.0		
2.0	31437	720	1.50			15	4464	96.80	0.91	K 87 KF 87 KA 87 KAF87	4
2.4	26808	614	1.75			17	3990	86.52	1.01		
1.2	52220	1196	0.90	K 187R97 KA 187R97	4	19	3592	77.89	1.13		
1.4	45670	1046	1.03			21	3253	70.54	1.24		
1.5	41129	942	1.14			23	2884	62.55	1.40		
2.0	32179	737	1.46			26	2608	56.55	1.55		
2.4	27027	619	1.74	K 167R97 KF 167R97 KA 167R97 KAF167R97	4	30	2210	47.93	1.83		
2.8	22879	524	2.1			35	1931	41.87	2.1		
1.7	36807	843	0.82			38	1766	38.30	2.3		
1.9	33052	757	0.91			43	1579	34.23	2.6		
2.3	27507	630	1.09	K 157R97 KF 157R97 KA 157R97 KAF157R97	4	23	2905	63.00	0.87	K 87 KF 87 KA 87 KAF87	4
2.6	24494	561	1.23			26	2612	56.64	0.97		
3.0	20914	479	1.44			30	2267	49.16	1.12		
3.5	18425	422	1.63			33	2030	44.02	1.20		
4.0	16024	367	1.88			40	1684	36.52	1.40		
3.4	18906	433	0.89	K 127R87 KF 127R87 KA 127R87 KAF127R87	4	47	1448	31.39	1.75		
3.9	16504	378	1.03			52	1286	27.88	1.90		
4.4	14496	332	1.17			59	1149	24.92	2.0		
5.0	12662	290	1.34			65	1033	22.41	2.1		
4.4	14408	330	0.85	K 167 KA 167	8	75	897	19.45	2.4		
5.0	12662	290	0.97			84	803	17.42	2.6		
5.8	11046	253	1.11			92	736	15.95	2.3		
6.8	9387	215	1.30			101	666	14.45	3.0		
7.2	8863	203	1.38			47	1424	30.89	1.02	K 77 KF 77 KA 77 KAF77	4
8.7	7335	168	1.67	K 167 KA 167	6	50	1350	29.27	1.08		
9.9	6462	148	1.89			57	1181	25.62	1.23		
4.4	15382	164.44	2.0			63	1064	23.08	1.37		
5.3	12623	135.38	2.4			72	934	20.25	1.56		
5.8	11537	164.44	2.61	K 167 KA 167	6	82	824	17.87	1.65		
7.1	9467	135.38	3.18			92	730	15.84	1.80		
						108	623	13.52	1.82		
						118	570	12.36	1.89		
						135	499	10.81	1.95		
						153	440	9.54	2.0		
						173	390	8.46	2.1		
						202	333	7.22	2.3		



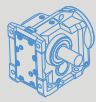
Output speed r/min	Output torque Nm	Ratio i	Service factor f <sub>B</sub>	Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor f <sub>B</sub>	Type	Pole p
<b>11kW</b>						<b>11kW</b>					
1.8	52831	825	0.89			20	4888	72.27	1.54		
2.0	46107	720	1.02	K 187R107	4	22	4435	65.58	1.70	K 107	4
2.4	39319	614	1.20	KA 187R107	4	26	3813	56.37	1.97	KF 107	4
2.8	32915	514	1.43			30	3328	49.2	2.2	KA 107	4
3.3	28753	449	1.63			35	2823	41.74	2.5	KAF107	4
4.0	23374	365	2.0			40	2467	36.48	2.7		
2.0	47196	737	1.00	K 187R97	4	21	4771	70.54	0.85		
2.4	39639	619	1.19	KA 187R97	4	23	4231	62.55	0.96		
2.8	33556	524	1.40			26	3825	56.55	1.06	K 97	4
4.7	20044	313	1.50			30	3242	47.93	1.25	KF 97	4
5.3	17482	273	1.72	K 167R107	4	35	2832	41.87	1.43	KA 97	4
5.8	16009	250	1.88	KA 167R107	4	38	2590	38.3	1.56	KAF97	4
6.7	13960	218	2.2			43	2315	34.23	1.75		
7.2	13000	203	2.3			47	2085	30.82	1.94		
2.6	35925	561	0.84			52	1888	27.91	2.1		
3.0	30674	479	0.98	K 167R97	4	59	1674	24.75	2.4		
3.5	27024	422	1.11	KA 167R97	4	65	1513	22.37	2.7		
4.0	23502	367	1.28			33	2977	44.02	0.82		
4.4	21260	332	0.80	K 157R97	4	40	2470	36.52	0.95		
5.0	18571	290	0.91	KF 157R97	4	47	2123	31.39	1.20		
				KA 157R97	4	52	1886	27.88	1.30		
				KAF157R97	4	59	1685	24.92	1.39		
6.8	13768	215	0.89	K 127R87	4	65	1516	22.41	1.43	K 87	4
7.2	13000	203	0.94	KF 127R87	4	75	1315	19.45	1.64	KF 87	4
8.7	10758	168	1.14	KA 127R87	4	84	1178	17.42	1.76	KA 87	4
9.9	9478	148	1.29	KAF127R87	4	92	1079	15.95	1.57	KAF87	4
5.4	18313	135.38	1.64	K 167	8	101	977	14.45	1.9		
6.6	14932	110.38	2.0	KA 167	8	116	849	12.56	2.0		
5.9	16740	164.44	1.80	K 167	6	131	753	11.13	2.1		
7.2	13782	135.38	2.2	KA 167	6	147	674	9.96	2.2		
8.9	11122	164.44	2.7	K 167	4	177	559	8.27	2.4		
11	9158	135.38	3.3	KA 167	4	203	486	7.19	2.5		
5.9	16615	122.83	1.02	K 157	8	63	1561	23.08	0.93		
7.3	13480	99.65	1.26	KF 157	8	72	1370	20.25	1.03		
7.9	12502	92.42	1.35	KA 157	8	82	1209	17.87	1.13		
9.1	10788	79.75	1.57	KAF157	8	92	1071	15.84	1.23	K 77	4
6.5	15273	150.03	1.11	K 157	6	108	914	13.52	1.38	KF 77	4
7.9	12504	122.83	1.35	KF 157	6	118	836	12.36	1.12	KA 77	4
9.7	10144	99.65	1.67	KA 157	6	135	731	10.81	1.27	KAF77	4
10	9408	92.42	1.80	KAF157	6	153	645	9.54	1.37		
12	8119	79.75	2.1			173	572	8.46	1.46		
9.7	10147	150.03	1.67	K 157	4	202	488	7.22	1.57		
12	8308	122.83	2.0	KF 157	4	<b>15kW</b>					
15	6740	99.65	2.5	KA 157	4	2.4	53617	614	0.88		
16	6251	92.42	2.7	KAF157	4	2.8	44884	514	1.05	K 187R107	4
11	9127	134.94	1.34			3.3	39208	449	1.20	KA 187R107	4
12	8295	122.60	1.47	K 127	4	4.0	31873	365	1.47		
13	7449	110.13	1.64	KF 127	4	5.4	23403	268	2.0		
16	6049	89.43	2.0	KA 127	4	4.7	27332	313	1.10		
18	5581	82.52	2.2	KAF127	4	5.3	23839	273	1.26		
21	4799	70.95	2.5			5.8	21831	250	1.38		
13	7496	110.83	1.00	K 107	4	6.7	19037	218	1.58	K 167R107	4
15	6719	99.34	1.12	KF 107	4	7.2	17727	203	1.70	KA 167R107	4
16	6066	89.68	1.24	KA 107	4	7.9	16155	185	1.86		
18	5510	81.46	1.36	KAF107	4	9.0	14234	163	2.1		
						6.2	20696	237	0.82		
						7.0	18338	210	0.92	K 157R107	4
						7.9	16068	184	1.05	KF 157R107	4
						9.4	13535	155	1.25	KA 157R107	4
						12	11003	126	1.54	KAF157R107	4
						13	9606	110	1.76		

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Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p
<b>15kW</b>						<b>18.5kW</b>					
5.4	25096	180.78	1.87	K 187	6	2.9	54981	514	0.85	K 187R107 KA 187R107	4
6.0	22285	160.53	2.1	KA 187	6	3.3	48028	449	0.98		
7.2	18793	135.38	1.60	K 167	6	4.0	39043	365	1.20		
8.8	15324	110.39	1.96	KA 167	6	5.5	28667	268	1.64		
8.9	15166	164.44	1.12	K 167	4	6.5	24281	227	1.9	K 167R107 KA 167R107	4
11	12486	135.38	1.36	KA 167	4	4.7	33481	313	0.90		
7.9	16990	122.39	1.00	K 157	6	5.4	29202	273	1.03		
9.7	13833	99.65	1.22	KF 157	6	5.9	26742	250	1.12		
10	12830	92.42	1.32	KA 157	6	6.7	23319	218	1.29		
12	11071	79.75	1.53	KAF157	6	7.2	21714	203	1.39		
14	9770	70.35	1.73			7.9	19789	185	1.52		
						9.0	17436	163	1.73		
9.7	13837	150.03	1.22	K 157	4	11	14868	139	2.0	K 157R107 KF 157R107 KA 157R107 KAF157R107	4
12	11329	122.83	1.49	KF 157	4	12	12943	121	2.3		
15	9191	99.65	1.84	KA 157	4	8.0	19682	184	0.86		
16	8524	92.42	2.0	KAF157	4	9.5	16580	155	1.02		
18	7355	79.75	2.3			12	13478	126	1.26	K 187 KA 187	6
11	12445	134.94	0.97			13	11766	110	1.44		
12	11307	122.60	1.08	K 127	4	5.4	30951	180.78	1.52		
13	10157	110.13	1.20	KF 127	4	6.0	27484	160.53	1.71		
16	8248	89.43	1.48	KA 127	4	6.7	24745	144.53	1.9	K 187 KA 187	4
18	7611	82.52	1.61	KAF127	4	7.4	22317	130.35	2.1		
21	6544	70.95	1.87			8.1	20424	180.78	2.3		
23	5774	62.60	2.1			9.2	18136	160.53	2.6		
27	4987	54.07	2.5			10	16328	144.53	2.9	K 167 KA 167	4
31	4410	47.82	2.8			11	14726	130.35	3.2		
16	8271	89.68	0.91			13	12471	110.39	2.4		
18	7513	81.46	1.00	K 107	4	17	9851	87.20	3.1		
20	6665	72.27	1.13	KF 107	4	10	17061	99.65	0.99	K 157 KF 157 KA 157 KAF157	6
22	6048	65.58	1.24	KA 107	4	11	15823	92.42	1.08		
26	5199	56.37	1.45	KAF107	4	12	13654	79.75	1.24		
30	4538	49.2	1.62			14	12050	70.38	1.4		
35	3850	41.74	1.80			12	13827	122.39	1.22	K 157 KF 157 KA 157 KAF157	4
40	3365	36.48	2.0			15	11258	99.65	1.50		
45	2972	32.22	2.2			16	10441	92.42	1.62		
47	2844	30.84	2.3			18	9010	79.75	1.88		
51	2637	28.59	2.6			21	7951	70.38	2.1	K 127 KF 127 KA 127 KAF127	4
30	4421	47.93	0.91			24	6894	61.02	2.5		
35	3862	41.87	1.05	K 97	4	27	6133	54.29	2.8		
38	3532	38.3	1.14	KF 97	4	31	5286	46.79	3.2		
43	3157	34.23	1.28	KA 97	4	39	4295	38.02	3.9	K 107 KF 107 KA 107 KAF107	4
47	2843	30.82	1.42	KAF97	4	13	12442	110.13	0.98		
52	2574	27.91	1.57			16	10103	89.43	1.21		
59	2283	24.75	1.77			18	9323	82.52	1.31		
65	2063	22.37	1.96			21	8016	70.95	1.52	K 107 KF 107 KA 107 KAF107	4
77	1749	18.96	2.3			23	7072	62.60	1.73		
88	1527	16.56	2.6			27	6109	54.07	2.0		
47	2895	31.39	0.88			31	5403	47.82	2.3		
52	2571	27.88	0.99	K 87	4	37	4540	40.19	2.7	K 87 KF 87 KA 87 KAF87	4
59	2298	24.92	1.10	KF 87	4	41	4121	36.48	3.0		
65	2067	22.41	1.23	KA 87	4	47	3544	31.36	3.4		
75	1794	19.45	1.37	KAF87	4	53	3127	27.67	3.9		
84	1607	17.42	1.41			20	8165	72.27	0.92	K 107 KF 107 KA 107 KAF107	4
92	1471	15.95	1.48			22	7409	65.58	1.01		
101	1333	14.45	1.5			26	6368	56.37	1.18		
116	1158	12.56	1.53			30	5558	49.2	1.35		
131	1027	11.13	1.58			35	4716	41.74	1.47	K 107 KF 107 KA 107 KAF107	4
147	919	9.96	1.73			40	4121	36.48	1.64		
177	763	8.27	1.84								
203	663	7.19	2.2								



Output speed r/min	Output torque Nm	Ratio i	Service factor f <sub>B</sub>	Type Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor f <sub>B</sub>	Type Type	Pole p
<b>18.5kW</b>						<b>22kW</b>					
46	3640	32.22	1.86			9.7	20289	99.65	0.83	K 157	6
48	3484	30.84	1.88	K 107	4	11	18817	92.42	0.90	KF 157	6
51	3230	28.59	2.1	KF 107	4	12	16237	79.75	1.04	KA 157	6
57	2931	25.94	2.3	KA 107	4	14	14330	70.38	1.18	KAF157	6
66	2519	22.30	2.7	KAF107	4	16	12424	61.02	1.36		
76	2199	19.46	3.1			12	16502	122.83	1.03		
89	1865	16.51	3.6			15	13388	99.65	1.26		
35	4730	41.87	0.85			16	12417	92.42	1.36	K 157	4
48	3482	30.82	1.16			18	10714	79.75	1.58	KF 157	4
53	3153	27.91	1.28	K 97	4	21	9456	70.38	1.79	KA 157	4
59	2796	24.75	1.45	KF 97	4	24	8198	61.02	2.1	KAF157	4
66	2527	22.37	1.60	KA 97	4	27	7294	54.29	2.3		
78	2142	18.96	1.9	KAF97	4	31	6286	46.79	2.7		
89	1871	16.56	2.2			39	5108	38.02	3.3		
106	1565	13.85	2.6			16	12015	89.43	1.02		
123	1355	11.99	2.7			18	11087	82.52	1.10		
59	2815	24.92	0.83			21	9532	70.95	1.28		
66	2532	22.41	0.85			23	8410	62.60	1.45	K 127	4
76	2197	19.45	0.98			27	7264	54.07	1.68	KF 127	4
84	1968	17.42	1.05	K 87	4	31	6425	47.82	1.90	KA 127	4
102	1633	14.45	1.12	KF 87	4	37	5400	40.19	2.3	KAF127	4
117	1419	12.56	1.21	KA 87	4	40	4901	36.48	2.5		
132	1257	11.13	1.25	KAF87	4	47	4215	31.36	2.9		
148	1125	9.96	1.32			53	3719	27.67	3.3		
178	934	8.27	1.41			61	3212	23.90	3.8		
204	812	7.19	1.50			70	2841	21.14	4.3		
<b>22kW</b>						26	7573	56.37	0.99		
3.3	57114	449	0.82			30	6610	49.20	1.11		
4.0	46429	365	1.01			35	5608	41.74	1.23		
5.5	34091	268	1.38	K 187R107	4	40	4901	36.48	1.38		
6.5	28875	227	1.63	KA 187R107	4	46	4329	32.22	1.56		
7.4	25313	199	1.86			48	4143	30.84	1.54	K 107	4
8.8	21370	168	2.2			51	3841	28.59	1.76	KF 107	4
5.4	34727	273	0.87			57	3485	25.94	1.94	KA 107	4
5.9	31801	250	0.95			66	2996	22.30	2.2	KAF107	4
6.7	27730	218	1.08			76	2614	19.46	2.3		
7.2	25822	203	1.16	K 167R107	4	89	2218	16.51	2.6		
7.9	23533	185	1.28	KA 167R107	4	102	1939	14.43	2.6		
9.0	20734	163	1.45			109	1815	13.51	2.9		
11	17681	139	1.70			125	1584	11.79	3.0		
12	15392	121	2.0			147	1343	10	3.3		
9.5	19717	155	0.86	K 157R107	4	48	4141	30.82	0.98		
12	16028	126	1.06	KF 157R107	4	53	3750	27.91	1.08		
13	13992	110	1.21	KA 157R107	4	59	3325	24.75	1.22		
5.4	36807	180.78	1.28			66	3005	22.37	1.34	K 97	4
6.0	32684	160.53	1.44			78	2547	18.96	1.59	KF 97	4
6.7	29427	144.53	1.60	K 187	6	89	2225	16.56	1.82	KA 97	4
7.4	26540	130.35	1.77	KA 187	6	106	1861	13.85	1.87	KAF97	4
8.6	23044	113.18	2.0			123	1611	11.99	2.1		
8.1	24288	180.78	1.94			137	1439	10.71	2.2		
9.2	21567	160.53	2.2	K 187	4	164	1202	8.95	2.3		
10	19418	144.53	2.4	KA 187	4	76	2613	19.45	0.83		
11	17512	130.35	2.7			84	2340	17.42	0.88	K 87	4
11	18070	134.5	1.66			102	1941	14.45	0.94	KF 87	4
13	14831	110.39	2.0	K 167	4	117	1687	12.56	1.02	KA 87	4
17	11715	87.20	2.6	KA 167	4	132	1495	11.13	1.05	KAF87	4
19	10460	77.86	2.9			148	1338	9.96	1.11		
						178	1111	8.27	1.18		
						204	966	7.19	1.27		

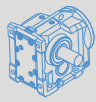
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Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor $f_B$	Type Type	Pole p
<b>30kW</b>						<b>37kW</b>					
5.5	49099	268	0.96	K 187R107 KA 187R107	4	5.5	56947	268	0.83	K 187R107 KA 187R107	4
6.5	41587	227	1.13		4	6.5	48235	227	0.97		4
7.4	36458	199	1.29		4	7.4	42285	199	1.11		4
8.8	30778	168	1.5		4	8.8	35698	168	1.32		4
6.7	39938	218	0.75	K 167R107 KA 167R107	4	8.0	39310	185	0.77	K 167R107 KA 167R107	4
7.2	37190	203	0.81		4	9.1	34635	163	0.87		4
7.9	33893	185	0.89		4	11	29536	139	1.02		4
9.0	29862	163	1.01		4	12	25711	121	1.17		4
11	25465	139	1.18		4	8.2	40572	180.78	1.16	K 187 KA 187	4
12	22168	121	1.36	K 187 KA 187	4	8.9	37268	166.06	1.26		4
8.1	33120	180.78	1.42		4	10	32436	144.53	1.45		4
8.9	30423	166.06	1.54		4	11	29395	130.98	1.60		4
10	26478	144.53	1.78		4	13	25400	113.18	1.85		4
11	23996	130.98	1.96		4	14	23046	102.69	2.0		4
13	20735	113.18	2.3		4	17	19853	88.46	2.4		4
14	18813	102.69	2.5	K 167 KA 167	4	14	24559	109.43	1.22	K 167 KA 167	4
17	16206	88.46	2.9		4	17	19646	87.54	1.53		4
13	20048	109.43	1.50		4	19	17828	78.44	1.69		4
17	15975	87.20	1.88		4	22	15301	68.18	2.0		4
19	14554	79.44	2.1		4	24	13582	60.52	2.2	K 157 KF 157 KA 157 KAF157	4
22	12427	67.83	2.4	K 157 KF 157 KA 157 KAF157	4	35	9592	42.74	3.1		4
24	11088	60.52	2.7		4	16	20741	92.42	0.82		4
15	18256	99.65	0.93		4	19	17898	79.75	0.95		4
16	16932	92.42	1.00		4	21	15795	70.38	1.07		4
18	14611	79.75	1.16		4	24	13694	61.02	1.24		4
21	12894	70.38	1.31		4	27	12184	54.29	1.39		4
24	11179	61.02	1.51	K 127 KF 127 KA 127 KAF127	4	32	10501	46.79	1.61		4
27	9946	54.29	1.70		4	39	8533	38.02	1.98	K 127 KF 127 KA 127 KAF127	4
31	8572	46.79	1.97		4	47	7025	31.30	2.4		4
39	6965	38.02	2.4		4	24	14049	62.60	0.87		4
47	5734	31.30	3.0		4	27	12135	54.07	1.01		4
21	12998	70.95	0.94		4	31	10732	47.82	1.14		4
23	11469	62.60	1.07		4	37	9020	40.19	1.35		4
27	9906	54.07	1.23	K 107 KF 107 KA 107 KAF107	4	41	8187	36.48	1.49		4
31	8761	47.82	1.39		4	47	7040	31.36	1.74		4
37	7363	40.19	1.66		4	53	6212	27.67	1.97		4
40	6683	36.48	1.83		4	62	5366	23.90	2.3		4
47	5747	31.36	2.1		4	70	4747	21.14	2.6		4
53	5071	27.67	2.4		4	83	3988	17.77	2.8	K 107 KF 107 KA 107 KAF107	4
61	4380	23.90	2.8		4	103	3220	14.35	3.1		4
35	7647	41.74	0.90	K 107 KF 107 KA 107 KAF107	4	116	2870	12.78	3.1		4
40	6683	36.48	1.01		4	138	2410	10.74	3.5		4
46	5903	32.22	1.08		4	171	1948	8.68	3.5		4
51	5238	28.59	1.29		4	41	8187	36.48	0.83	K 107 KF 107 KA 107 KAF107	4
57	4752	25.94	1.42		4	48	6921	30.84	0.92		4
66	4085	22.30	1.63		4	52	6416	28.59	1.05		4
76	3565	19.46	1.66		4	57	5822	25.94	1.16		4
89	3025	16.51	1.87		4	66	5005	22.3	1.33		4
102	2644	14.43	1.90		4	76	4367	19.46	1.35		4
109	2475	13.51	2.15	K 97 KF 97 KA 97 KAF97	4	90	3705	16.51	1.53		4
125	2160	11.79	2.19		4	103	3238	14.43	1.55		4
147	1832	10.00	2.39		4	110	3032	13.51	1.75		4
168	1601	8.74	2.45		4	126	2646	11.79	1.79		4
59	4534	24.75	0.89		4	148	2244	10.00	1.82	K 97 KF 97 KA 97 KAF97	4
66	4098	22.37	0.99		4	169	1961	8.74	1.95		4
78	3474	18.96	1.16		4						
89	3034	16.56	1.33		4						
106	2537	13.85	1.59		4						
123	2197	11.99	1.66		4						
137	1962	10.71	1.37		4						
164	1640	8.95	1.52		4						



Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole
r/min	Nm	i	f <sub>B</sub>	Type	p	r/min	Nm	i	f <sub>B</sub>	Type	p
45kW						55kW					
6.5	58664	227	0.80	K 187R107	4	17	29204	87.54	1.03	K 167	4
7.4	51428	199	0.91		4	19	25974	77.86	1.16		
8.8	43416	168	1.08		4	22	22745	68.18	1.32		
11	35922	139	0.84	K 167R107	4	24	20263	60.74	1.48		
12	31270	121	0.96		4	29	17207	51.58	1.75		
8.2	49344	180.78	0.95	K 187	4	35	14258	42.74	2.1	KAF157	4
8.9	45326	166.06	1.04		4	41	12170	36.48	2.5		
10	39449	144.53	1.19		4	24	20357	61.02	0.83		
11	35751	130.98	1.31		4	27	18111	54.29	0.93		
13	30892	113.18	1.52		4	32	15609	46.79	1.08		
14	28029	102.69	1.68		4	39	12684	38.02	1.33		
17	24145	88.46	1.9		4	47	10442	31.30	1.62		
20	20291	74.34	2.3		4	54	9214	27.62	1.84		
14	29869	109.43	1.01	K 167	4	62	7990	23.95	2.1	KAF157	4
17	23894	87.54	1.26		4	69	7109	21.31	2.4		
19	21683	79.44	1.42		4	81	6128	18.37	2.8		
22	18610	68.18	1.62		4	99	4977	14.92	3.4		
24	16519	60.52	1.82		4	117	4220	12.65	3.8		
29	14079	51.58	2.1		4	37	13408	40.19	0.91		
35	11666	42.74	2.6	K 157	4	47	10465	31.36	1.17	K 127	4
21	19210	70.38	0.88		4	53	9234	27.67	1.32		
24	16655	61.02	1.02		4	62	7976	23.90	1.53		
27	14818	54.29	1.14		4	70	7056	21.14	1.73		
32	12771	46.79	1.32		4	83	5928	17.77	2.06		
39	10378	38.02	1.63		4	103	4787	14.35	2.38		
47	8543	31.30	2.0		4	116	4267	12.78	1.88		
54	7539	27.62	2.2		4	138	3583	10.74	2.1		
62	6537	23.95	2.6		4	171	2896	8.68	2.3		
69	5817	21.31	2.9	K 127	4	75kW					
81	5014	18.37	3.4		4	11	59298	130.35	0.79	K 187	4
31	13052	47.82	0.94		4	13	52224	114.80	0.90		
37	10970	40.19	1.11		4	14	47016	103.35	1.00		
41	9957	36.48	1.23		4	17	40242	88.46	1.17		
47	8562	31.36	1.43		4	20	33818	74.34	1.39		
53	7555	27.67	1.62		4	23	29283	64.37	1.61		
62	6526	23.90	1.87		4	28	24402	53.64	1.9		
70	5773	21.14	2.1		4	32	20803	45.73	2.3		
83	4850	17.77	2.3		4	19	35420	77.86	0.85	K 167	4
103	3917	14.35	2.5		4	22	30857	67.83	0.97		
116	3491	12.78	2.6	4	24	27531	60.52	1.09			
138	2931	10.74	2.8	4	29	23496	51.65	1.28			
171	2369	8.68	2.9	4	34	19598	43.08	1.53			
52	7804	28.59	0.87	K 107	4	41	16595	36.48	1.81		
57	7080	25.94	0.96		4	46	14616	32.13	2.1		
66	6087	22.30	1.10		4	52	13042	28.67	2.3		
76	5312	19.46	1.11		4	61	11114	24.43	2.7		
90	4506	16.51	1.26		4	39	17296	38.02	0.98		
103	3939	14.43	1.44		4	47	14239	31.30	1.19		
110	3688	13.51	1.47		4	54	12565	27.62	1.35		
126	3218	11.79	1.55		4	62	10895	23.95	1.55		
148	2729	10.00	1.60		4	69	9694	21.31	1.75		
169	2386	8.74	1.64		4	81	8357	18.37	2.0		
55kW						99	6787	14.92	2.5	KAF157	4
10	45904	145.33	1.02	K 187	4	117	5755	12.65	2.9		
11	41371	130.98	1.14		4	47	14271	31.36	0.86		
13	36261	114.80	1.30		4	53	12592	27.67	0.97		
14	32436	102.69	1.45		4	62	10877	23.90	1.12		
17	29511	88.46	1.59		4	70	9621	21.14	1.27		
20	24800	74.34	1.90		4	83	8084	17.77	1.36		
23	21474	64.37	2.19		4	103	6528	14.35	1.51		
						114	5900	12.78	1.54	KAF127	4
						138	4886	10.74	1.72		
						171	3949	8.68	1.74		

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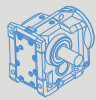


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Permissible torque	Output speed	Ratio	Type	Power	Permissible torque	Output speed	Ratio	Type	Power			
Nm	r/min	i	Type	kW/4p	Nm	r/min	i	Type	kW/4p			
200	5.0	279	K 37R17 KF 37R17 KA 37R17 KAF37R17	0.18	1550	1.0	1388	K 77R37 KF 77R37 KA 77R37 KAF77R37	0.25			
	5.2	267				1.1	1218					
	5.9	234				1.3	1053					
	6.8	205				1.5	924					
	7.7	181		1.7		815	0.37					
	8.7	160		2.0		709						
	10	136		2.2		622			0.55			
	11	127		2.5		552						
400	13	110	2.9	485		0.75						
	14	96	3.2	428								
	2.5	552	3.9	358			1.1					
	2.8	495	4.3	320								
	3.3	416	4.9	283								
	3.7	375	5.7	246								
	4.3	326	K 47R37 KF 47R37 KA 47R37 KAF47R37	0.25		2700	0.34		4037	K 87R57 KF 87R57 KA 87R57 KAF87R57	0.18	
	4.8	289					0.39		3609			
5.6	250	0.45			3107							
6.3	219	0.51			2728							
6.3	219	0.59		2371	0.25							
7.2	193	0.67		2088								
8.3	167	0.75		1854								
9.3	149	0.84		1658			0.37					
11	128	0.98	1415									
600	1.5	906	K 57R37 KF 57R37 KA 57R37 KAF57R37	0.18	4300			1.1	1229		K 97R57 KF 97R57 KA 97R57 KAF97R57	0.55
	1.7	806						1.3	1078			
	2.0	699					1.5	951				
	2.3	615					1.7	837				
	2.6	544		1.9			726	0.75				
	2.9	473		2.2			638					
	3.3	421		2.5			562					
	3.8	362		3.0		474	1.1					
	4.4	319		3.3		426						
	5.1	273		3.8		373		1.5				
	5.8	240		4.2		330						
	6.5	215		4.8		293	2.2					
	7.2	192		5.6		250						
	8.4	166		5.9		236						
	9.9	141		7.0		201						
	11	126		K 67R37 KF 67R37 KA 67R37 KAF67R37		0.37	4300	0.23	6027	K 97R57 KF 97R57 KA 97R57 KAF97R57		0.18
13	108	0.26	5392									
15	95	0.30	4669									
1.2	1171	0.34	4082		0.25							
1.3	1034	0.39	3583									
1.5	903	0.45	3108									
1.8	793	0.51	2757			0.37						
2.0	697	0.58	2419									
2.3	613	0.66	2123									
2.6	542	0.75	1856		0.55							
3.0	471	0.86	1625									
3.3	420	0.98	1430									
3.9	361	1.1	1261			0.75						
4.3	323	1.3	1102									
5.1	272	1.5	957									
5.8	240	1.6	855		1.1							
6.4	217	1.9	743									
7.3	191	2.1	651									
1550	0.59	2370	K 77R37 KF 77R37 KA 77R37 KAF77R37	0.18		2.4	573	K 97R57 KF 97R57 KA 97R57 KAF97R57	1.5			
	0.68	2050			2.8	504						
	0.78	1772			3.2	437						
	0.92	1514			3.6	382						
					4.1	342	2.2					

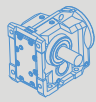
All gear units are overloaded in above table. Determination of operating torque should not higher than the gearunit's nominal torque.



K

Permissible torque	Output speed	Ratio	Type	Power	Permissible torque	Output speed	Ratio	Type	Power		
Nm	r/min	i	Type	kW/4p	Nm	r/min	i	Type	kW/4p		
4300	4.6	305	K 97R57	3.0	13000	1.5	899	K 127R77	3.0		
	5.4	258	KF 97R57			1.8	790				
	6.0	232	KA 97R57	2.0		690	4.0				
	7.1	199	KAF97R57	2.3		599					
8000	0.13	10528	K 107R77 KF 107R77 KA 107R77 KAF107R77	0.18		2.6	539	KA 127R77	5.5		
		0.15				9391	3.0	468		KAF127R77	
		0.17				8211	3.4	410			
	0.19	7167		0.25		2.6	536	K 127R87	4.0		
		0.23				6097	2.9			473	KF 127R87
		0.25				5582	3.3			418	KA 127R87
	0.27	5065		0.37		3.8	367	KAF127R87	7.5		
		0.32				4299	4.2			330	
		0.37				3757	4.8			290	
	18000	0.43		3236	K 157R97 KF 157R97 KA 157R97 KAF157R97	0.55	0.08	17679	0.55		
				0.48			2869	0.09		15729	
				0.56			2504	0.10		14721	
		0.63		2203		1.1	0.11	13097		1.1	
			0.74	1869			0.12	11368			
			0.83	1689			0.14	10114			
		0.91	1533	1.5		0.16	8718	1.5			
			1.1			1317	0.18			7734	
			1.2			1150	0.27			5074	
		1.4	1015	2.2		0.31	4514	2.2			
			1.6			871	0.35			3974	
			1.8			782	0.40			3516	
		2.0	686	3.0		0.46	3047	3.0			
			2.3			606	0.48			2899	
			2.7			515	0.60			2319	
	3.1	455	4.0	0.69	2026	4.0					
		3.6		402	0.77		1802				
		4.1		351	0.83		1680				
	13000	4.7	307	K 157R107 KF 157R107 KA 157R107 KAF157R107	5.5	1.0	1365	0.55			
			5.2			277	1.1		1229		
			5.9			243	1.3		1093		
		0.08	17550		0.18	1.5	942		4.0		
0.09			16006			1.6	854				
0.10			14975			1.8	756				
0.11		12440	0.25		2.1	661	5.5				
		0.13			10914	2.5			565		
		0.14			9819	2.9			503		
0.16		8443	0.37		3.3	433	7.5				
		0.19			7483	5.0			290		
		0.21			6565	4.8			307		
0.24		5804	0.55		5.6	260	11				
		0.28			5027	6.2			237		
		0.31			4423	7.0			210		
32000	0.37	3801	K 167R97 KA 167R97	0.75	0.07	19653	0.55				
		0.43			3237	0.08		17345			
		0.47			2941	0.09		14945			
	0.55	2548		1.1	0.11	13190		1.1			
		0.63			2218	0.12			11532		
		0.72			1926	0.14			10227		
	0.79	1757		1.5	0.16	8597		0.75			
		0.90			1541	0.21			6538		
		1.0			1342	0.26			5366		
	1.2	1177		2.2	0.29	4798		1.1			
		1.4			1025	0.34			4059		
										1.5	

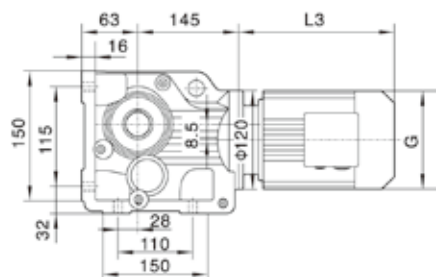
All gear units are overloaded in above table. Determination of operating torque should not higher than the gearunit's nominal torque.



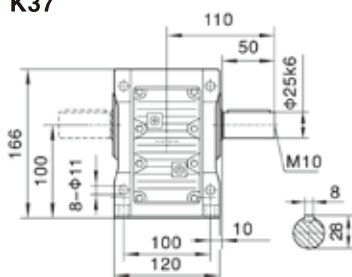
Permissible torque	Output speed	Ratio	Type	Power	Permissible torque	Output speed	Ratio	Type	Power
Nm	r/min	i	Type	kW/4p	Nm	r/min	i	Type	kW/4p
32000	0.42	3359	K 167R97 KA 167R97	2.2	50000	2.0	720	K 187R107 KA 187R107	15
	0.52	2741				2.4	614		
	0.63	2252		2.9		514	18.5		
	0.65	2174		3.3		449			
	0.85	1698		4.0		365	30		
	1.0	1402		5.5		268			
	1.1	1291		6.5		227	45		
	1.3	1101		7.4		199			
	1.5	944		8.8		168			
	1.7	843							
	1.9	757							
	2.6	561							
	3.0	479							
	3.4	422							
	3.9	367							
	4.7	313							
	5.4	273							
	5.9	250							
	6.7	218							
	7.2	203							
	7.9	185							
	9.0	163							
	11	139							
	12	121							
50000	0.04	32625	K 187R97 KA 187R97	0.55					
	0.05	27165							
	0.06	24353							
	0.07	19144							
	0.08	16978							
	0.10	14272		0.75					
	0.11	13116							
	0.12	11647							
	0.13	10413		1.1					
	0.15	9363							
	0.17	8126							
	0.19	7333		1.5					
	0.21	6738							
	0.24	5984							
	0.27	5350		2.2					
	0.30	4810							
	0.33	4364							
	0.39	3609		3					
	0.46	3062							
	0.56	2519							
	0.63	2268		4					
	0.69	2054							
	0.78	1821							
	0.88	1605		5.5					
	1.0	1395							
	1.2	1196							
	2.0	737		15					
	2.4	619							
	2.8	524							
		18.5							

All gear units are overloaded in above table. Determination of operating torque should not higher than the gearunit's nominal torque.

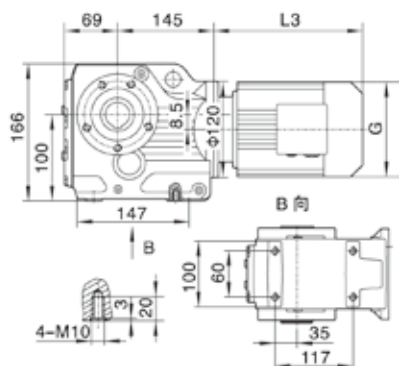
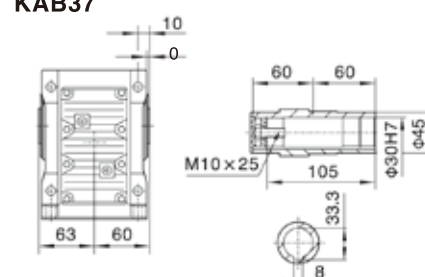
K



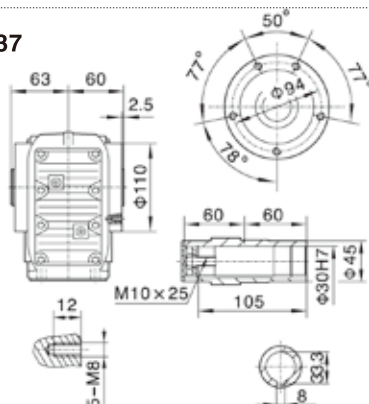
K37



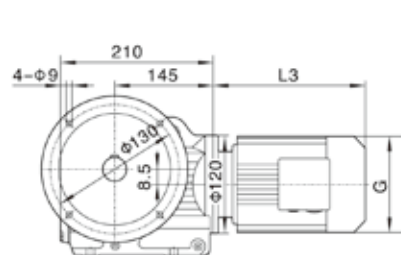
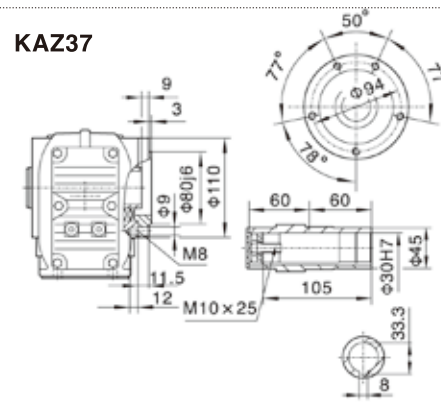
KAB37



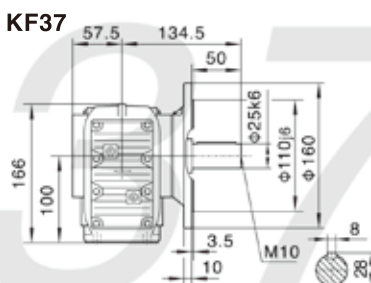
KA37



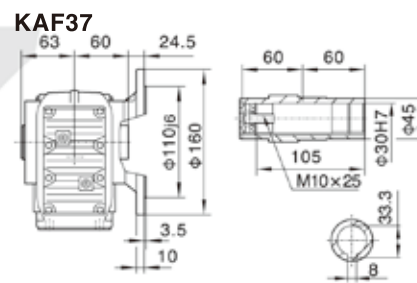
KAZ37



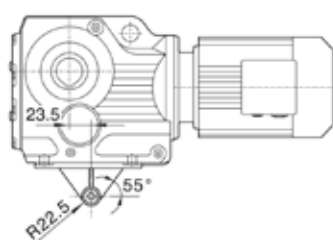
KF37



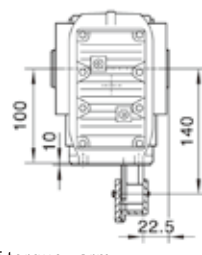
KAF37



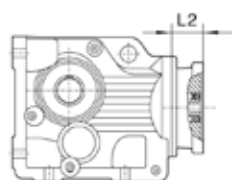
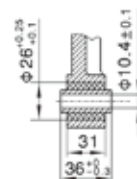
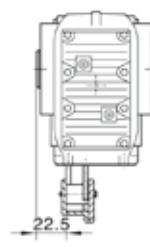
KAT37



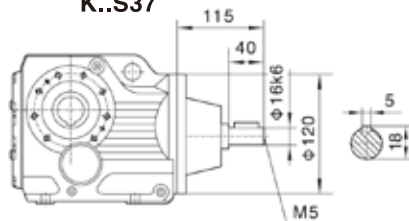
C side of torque-arm



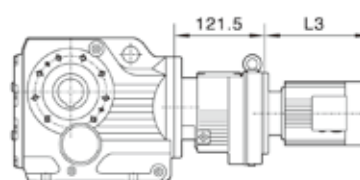
D side of torque-arm



K..S37



K..37R17



Note: For other values please refer to relevant structure.

Customers provide the motor by themselves need connected flange.

Motor size	63	71	80	90S	90L	100				
Power/(kW)	0.18	0.25 0.37	0.55 0.75	1.1	1.5	2.2 3.0				
L3	235	245	278	304	328	340				
G	130	145	175	195	195	215				
L2	71	71	71	71	71	93				

Note:1.The housings of KA, KF, KAF, KAZ are common parts.The mounting dimensions may consult each other. 2. "K..." means K, KA, KF, KAF, KAZ, KAB.



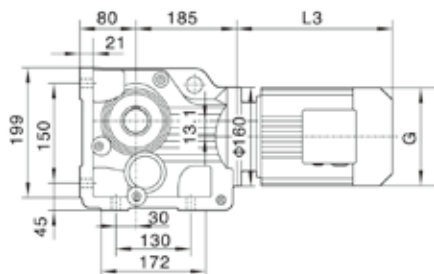
<p>Customers provide the motor by themselves need connected flange.</p>											
Motor size	63	71	80	90S	90L	100	112M	132S			
Power/(kW)	0.18	0.25 0.37	0.55 0.75	1.1	1.5	2.2 3.0	4.0	5.5			
L3	223	245	278	304	328	350	383	428			
G	130	145	175	195	195	215	240	275			
L2	81	81	81	81	81	93	68	72			

Note:1.The housings of KA、KF、KAF、KAZ are common parts.The mounting dimensions may consult each other. 2. "K..." means K, KA, KF, KAF, KAZ, KAB.

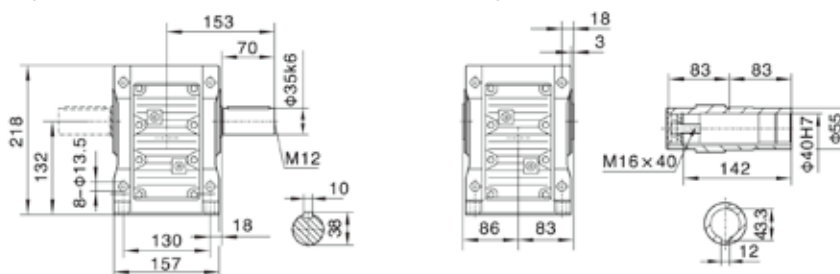




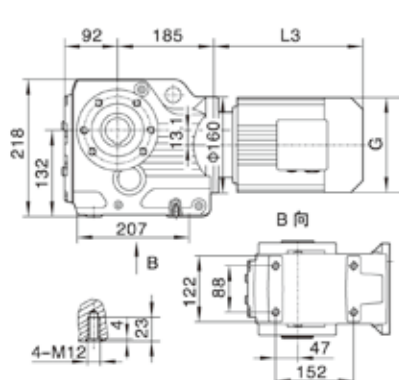
K57



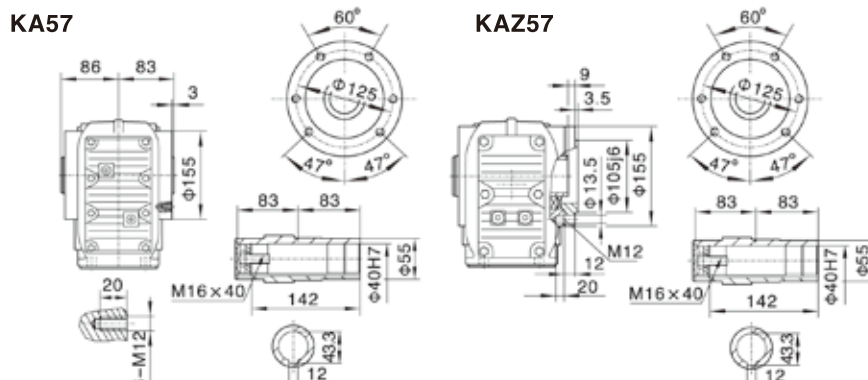
KAB57



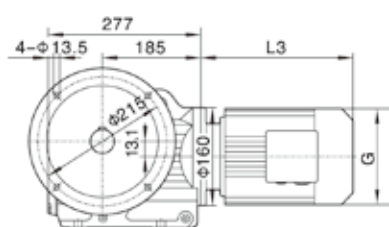
KA57



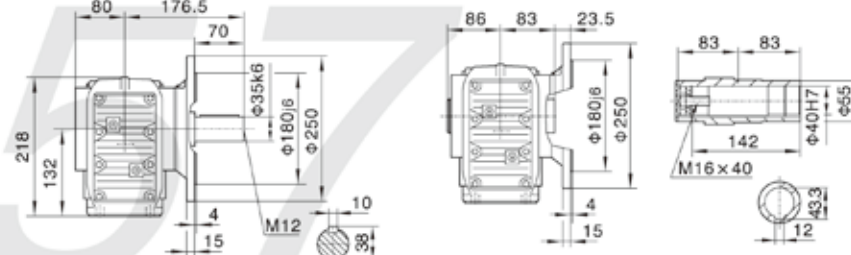
KAZ57



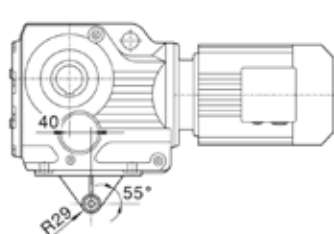
KF57



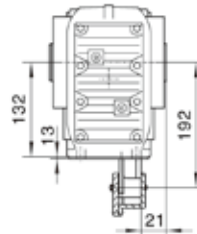
KAF57



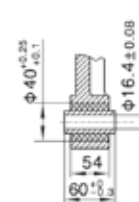
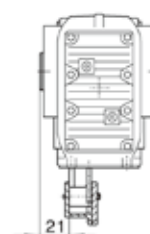
KAT57



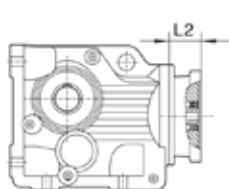
C side of torque-arm



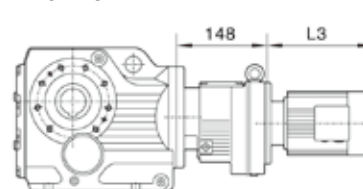
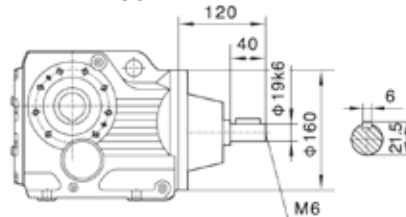
D side of torque-arm



K..S57



K..57R37



Note: For other values please refer to relevant structure.

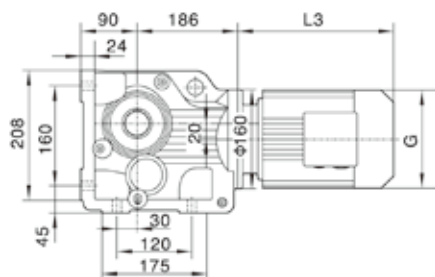
Customers provide the motor by themselves need connected flange.

Motor size	63	71	80	90S	90L	100	112M	132S		
Power/(kW)	0.18	0.25 0.37	0.55 0.75	1.1	1.5	2.2 3.0	4.0	5.5		
L3	223	245	278	304	328	350	380	425		
G	130	145	175	195	195	215	240	275		
L2	81	81	81	81	81	93	93	101		

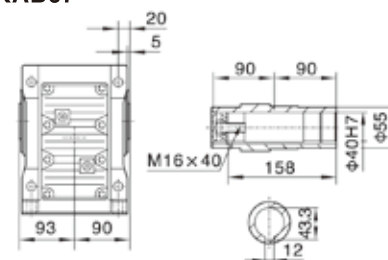
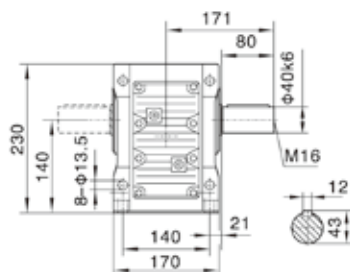
Note:1.The housings of KA, KF, KAF, KAZ are common parts.The mounting dimensions may consult each other. 2. "K..." means K, KA, KF, KAF, KAZ, KAB.



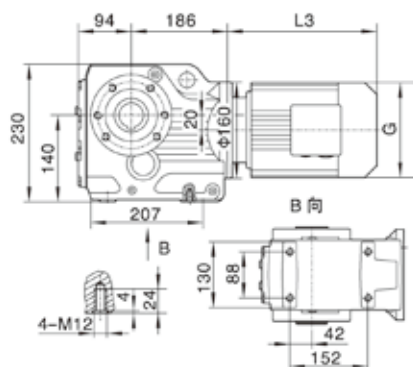
K67



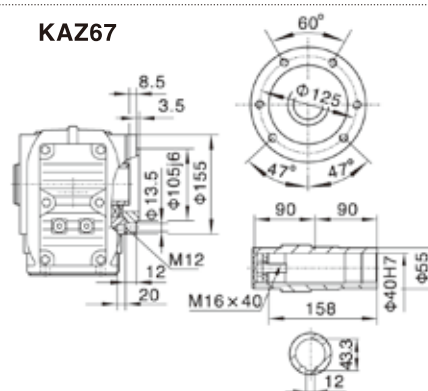
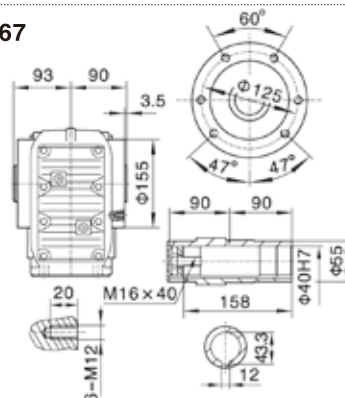
KAB67



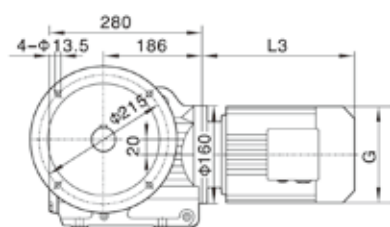
KA67



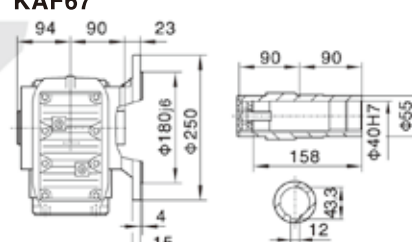
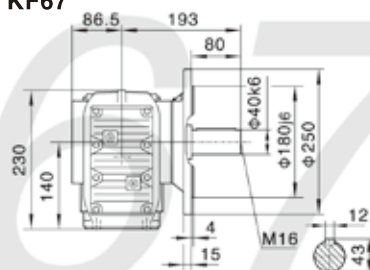
KAZ67



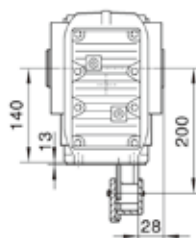
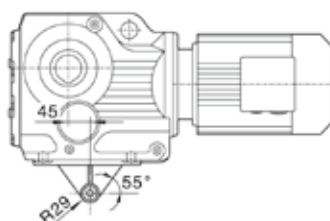
KF67



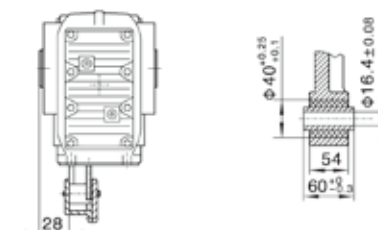
KAF67



KAT67

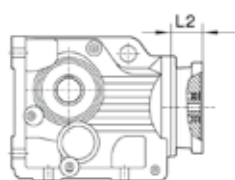


C side of torque-arm

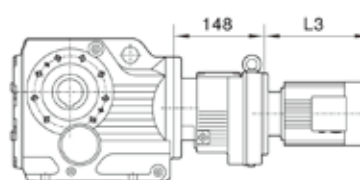
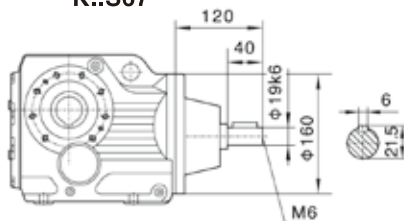


D side of torque-arm

K..S67



K..67R37



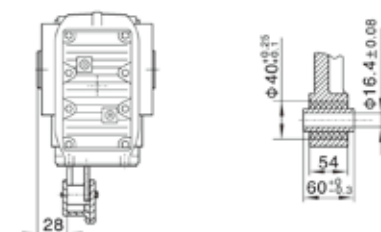
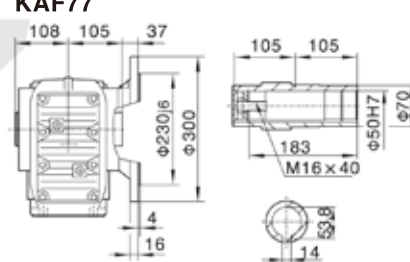
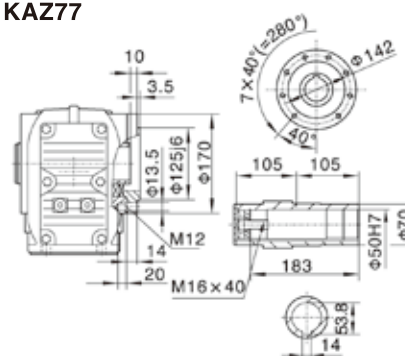
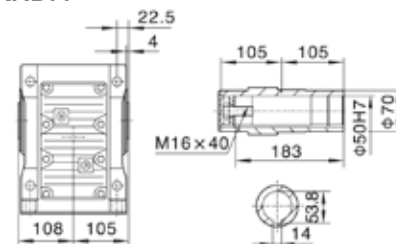
Note: For other values please refer to relevant structure.

Customers provide the motor by themselves need connected flange.

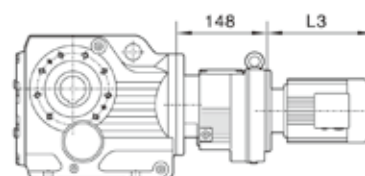
Motor size	63	71	80	90S	90L	100	112M	132S		
Power/(kW)	0.18	0.25 0.37	0.55 0.75	1.1	1.5	2.2 3.0	4.0	5.5		
L3	223	245	278	304	328	350	380	425		
G	130	145	175	195	195	215	240	275		
L2	81	81	81	81	81	93	93	101		

Note:1.The housings of KA, KF, KAF, KAZ are common parts.The mounting dimensions may consult each other. 2. "K..." means K, KA, KF, KAF, KAZ, KAB.





D side of torque-arm



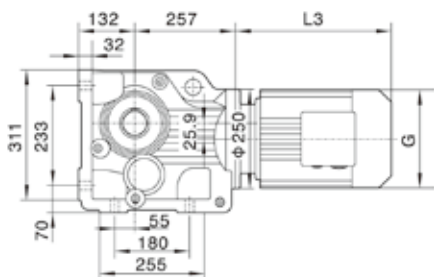
Note: For other values please refer to relevant structure.

Note:1.The housings of KA、KF、KAF、KAZ are common parts.The mounting dimensions may consult each other. 2. "K..." means K、KA、KE、KAF、KAZ、KAB.

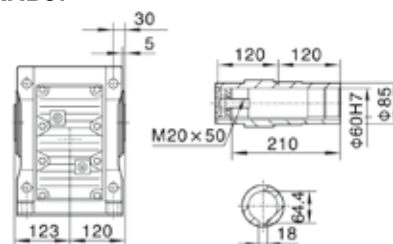


K

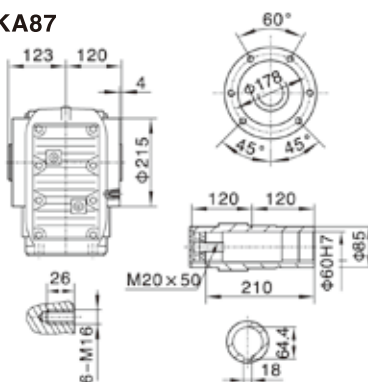
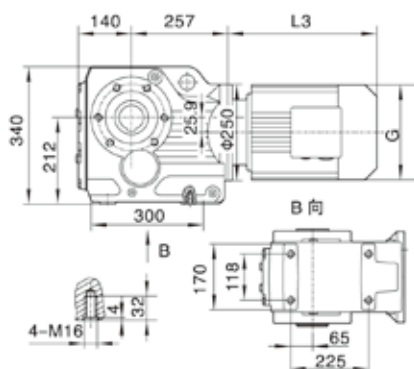
K87



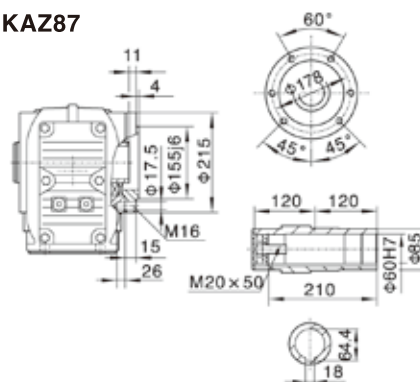
KAB87



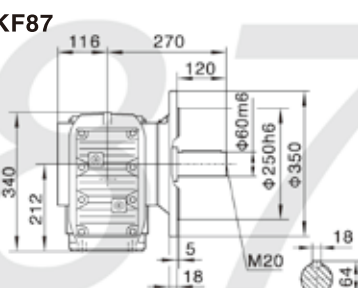
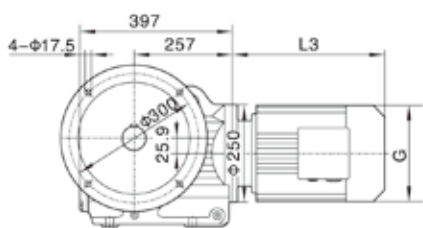
KA87



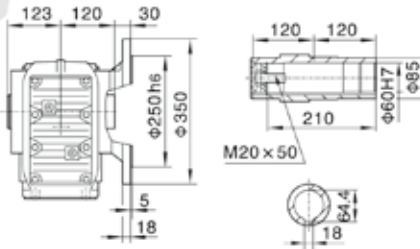
KAZ87



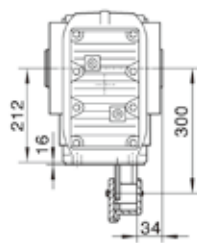
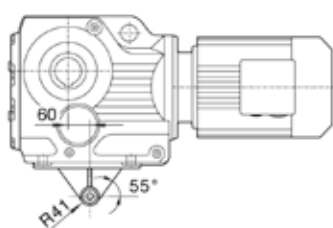
KF87



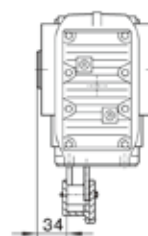
KAF87



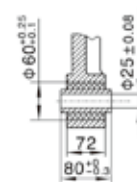
KAT87



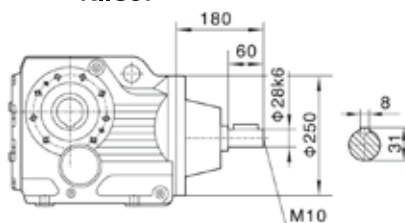
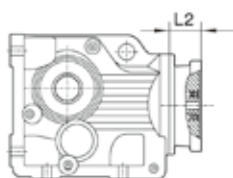
C side of torque-arm



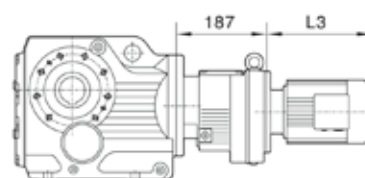
D side of torque-arm



K..S87



K..87R57



Note: For other values please refer to relevant structure.

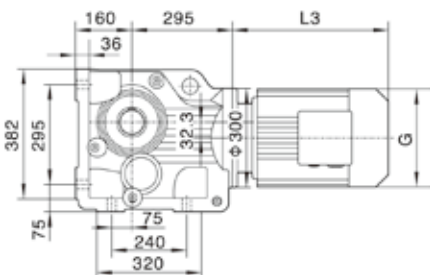
Customers provide the motor by themselves need connected flange.

Motor size	80	90S	90L	100	112M	132S	132M	160M	160L	180M	180L
Power/(kW)	0.75	1.1	1.5	2.2 3.0	4.0	5.5	7.5	11	15	18.5	22
L3	246	280	304	350	380	425	461	524	547	583	616
G	175	195	195	215	240	275	275	330	330	380	380
L2	86	86	86	71	71	101	101	126	126	126	126

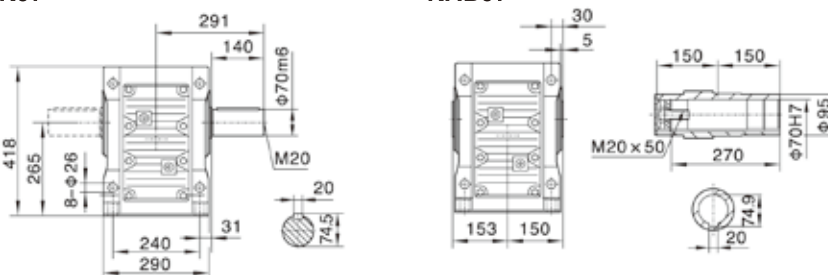
Note:1.The housings of KA, KF, KAF, KAZ are common parts.The mounting dimensions may consult each other. 2. "K..." means K, KA, KF, KAF, KAZ, KAB.



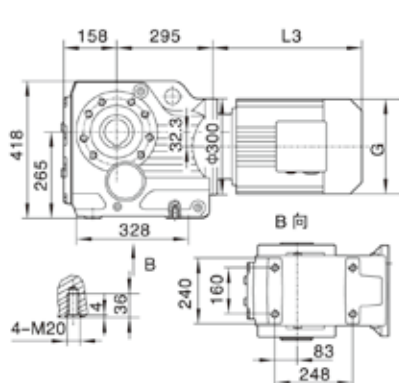
K97



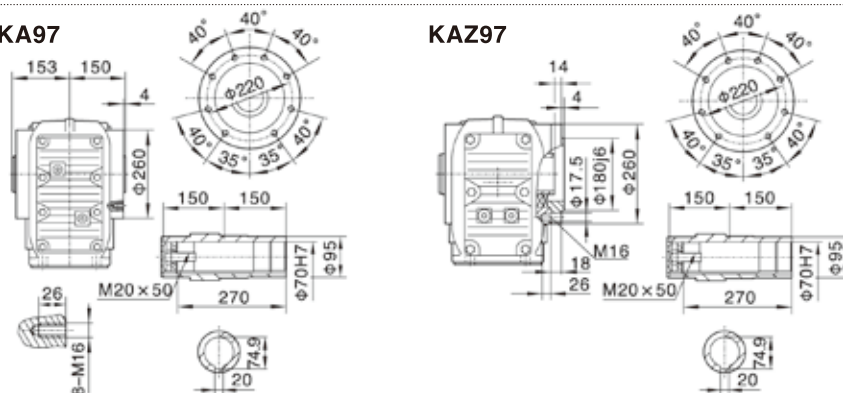
KAB97



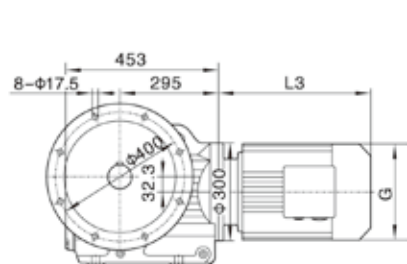
KA97



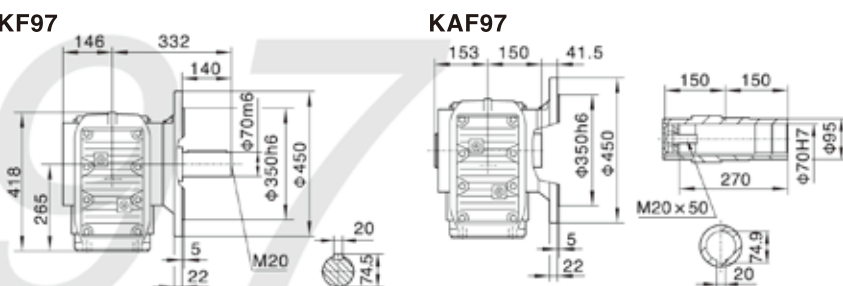
KAZ97



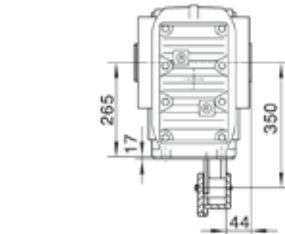
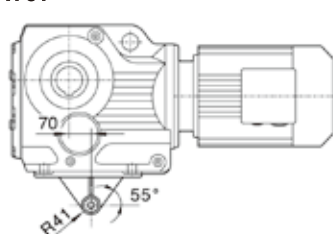
KF97



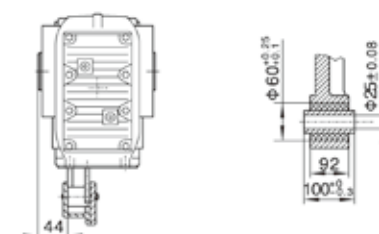
KAF97



KAT97

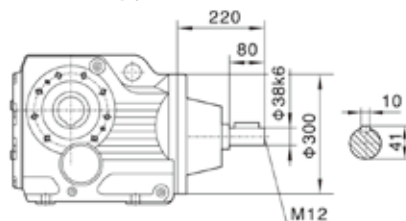
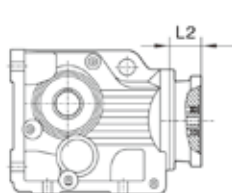


C side of torque-arm

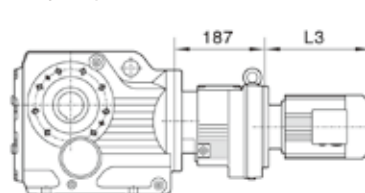


D side of torque-arm

K..S97



K..97R57



Note: For other values please refer to relevant structure.

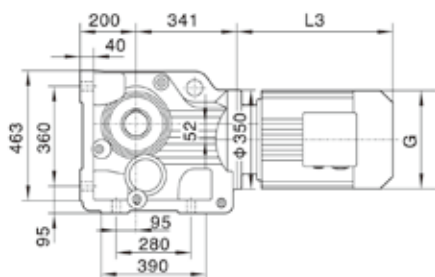
Customers provide the motor by themselves need connected flange.

Motor size	90S	90L	100	112M	132S	132M	160M	160L	180M	180L	200
Power/(kW)	1.1	1.5	2.2 3.0	4.0	5.5	7.5	11	15	18.5	22	30
L3	280	304	315	334	425	461	524	547	555	588	652
G	195	195	215	240	275	275	330	330	380	380	420
L2	86	86	101	101	101	101	126	126	126	126	132

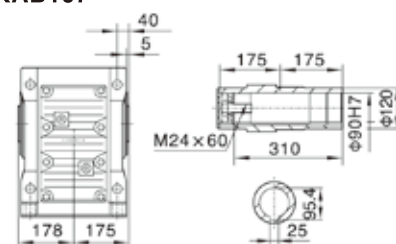
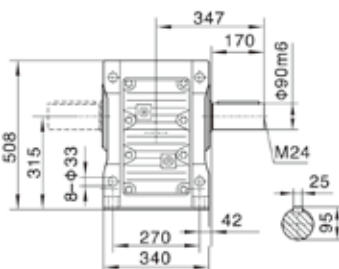
Note:1.The housings of KA, KF, KAF, KAZ are common parts.The mounting dimensions may consult each other. 2. "K..." means K, KA, KF, KAF, KAZ, KAB.



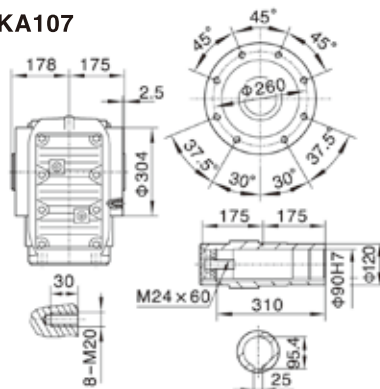
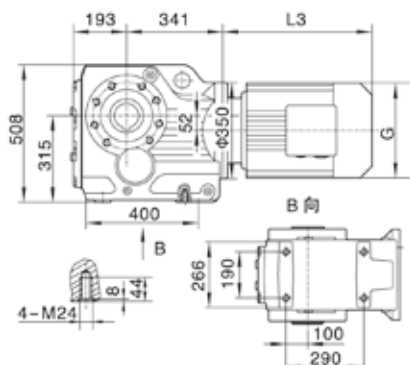
K107



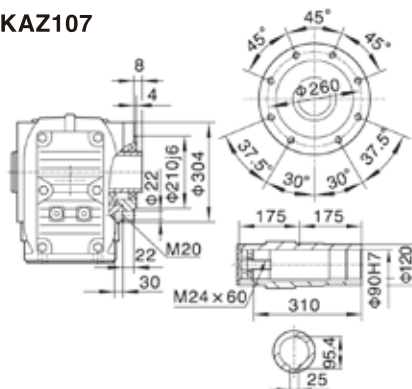
KAB107



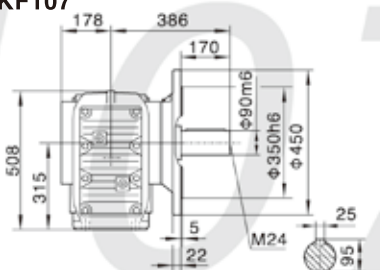
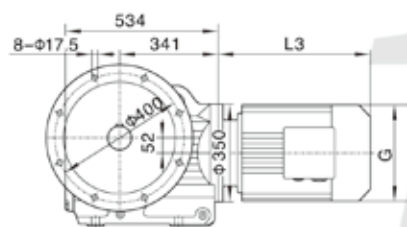
KA107



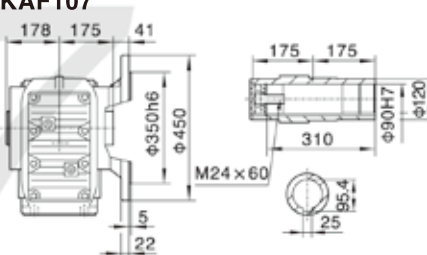
KAZ107



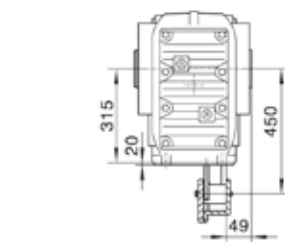
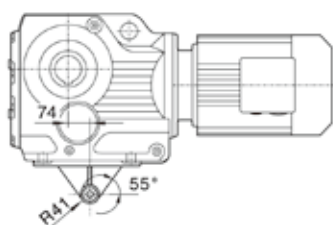
KF107



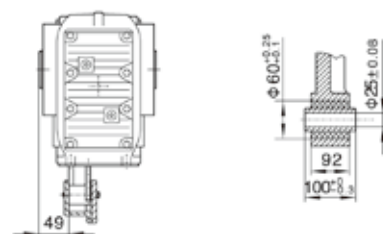
KAF107



KAT107

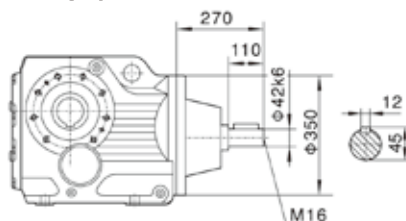
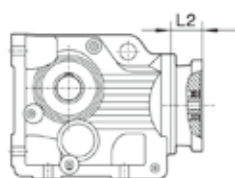


C side of torque-arm

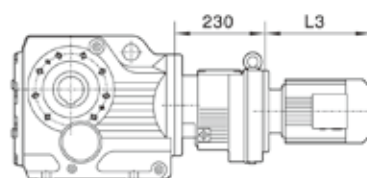


D side of torque-arm

K..S107



K..107R77



Customers provide the motor by themselves need connected flange.

Note: For other values please refer to relevant structure.

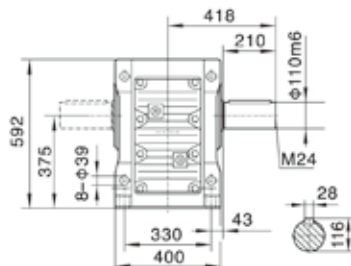
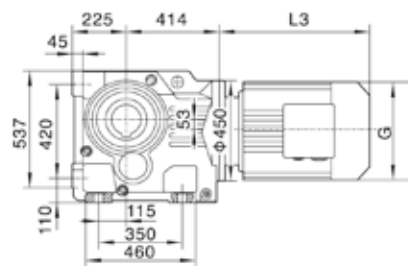
Motor size	100	112M	132S	132M	160M	160L	180M	180L	200	225S	225M
Power/(kW)	3.0	4.0	5.5	7.5	11	15	18.5	22	30	37	45
L3	318	334	386	422	504	519	555	588	654	680	702
G	215	240	275	275	330	330	380	380	420	470	470
L2	101	101	101	101	126	126	126	126	132	132	132

Note:1.The housings of KA, KF, KAF, KAZ are common parts.The mounting dimensions may consult each other. 2. "K..." means K, KA, KF, KAF, KAZ, KAB.

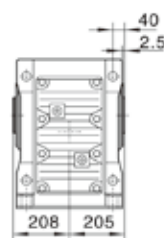




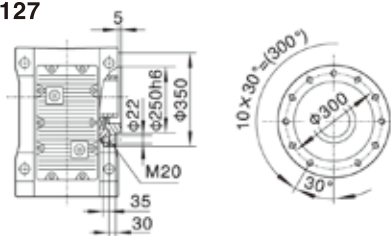
K127



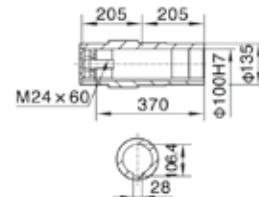
KA(KAB)127



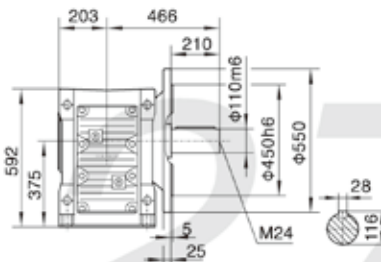
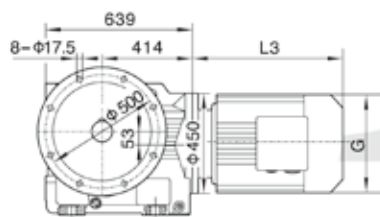
KAZ127



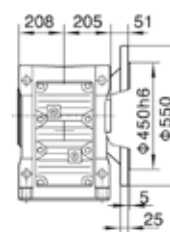
KA127/KAF127/KAZ127  
空心轴/Hollow shaft



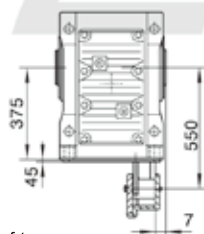
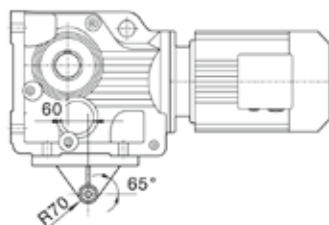
KF127



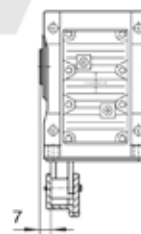
KAF127



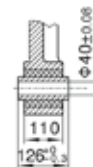
KAT127



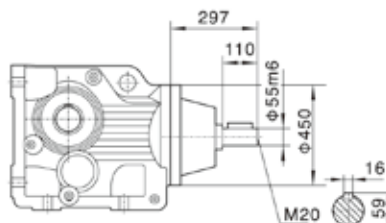
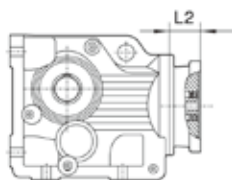
C side of torque-arm



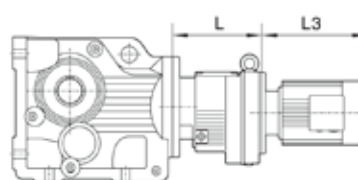
D side of torque-arm



K..S127



K..127R77(R87)



Note: For other values please refer to relevant structure.

Customers provide the motor by themselves need connected flange.

	K..127R77						K..127R87				
	L						232		275		
Motor size	132M	160M	160L	180M	180L	200	225S	225M	250	280S	280M
Power/(kW)	7.5	11	15	18.5	22	30	37	45	55	75	90
L3	424	567	602	583	616	654	674	696	775	847	847
G	275	330	330	380	380	420	470	470	510	580	580
L2	132	132	132	132	132	132	143	143	174	174	174

Note:1.The housings of KA、KF、KAF、KAZ are common parts.The mounting dimensions may consult each other. 2. "K..." means K, KA, KF, KAF, KAZ, KAB.



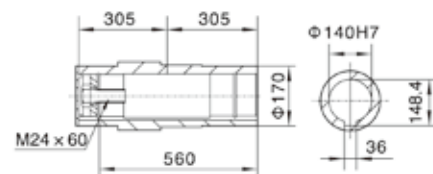
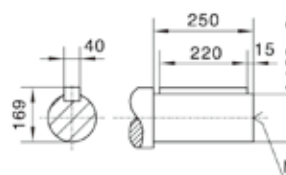
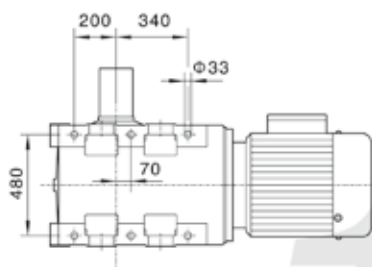
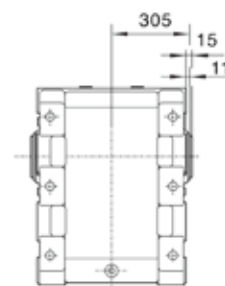
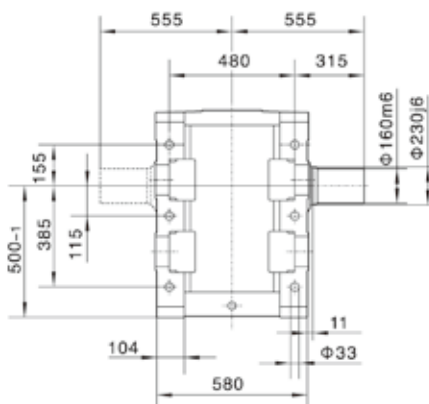
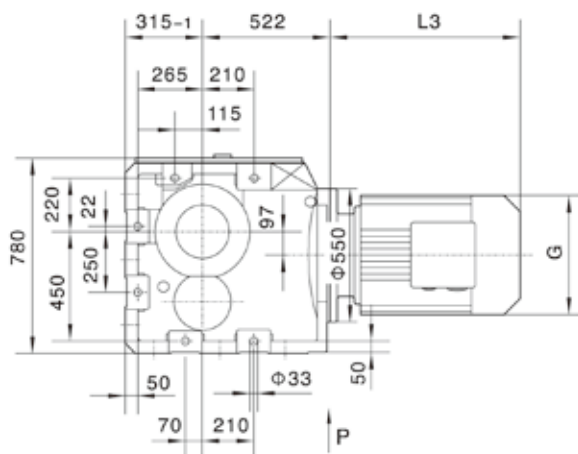




K

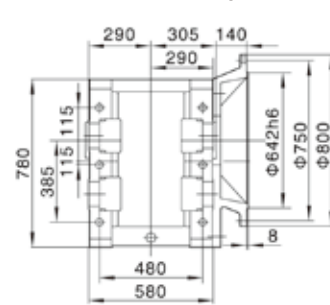
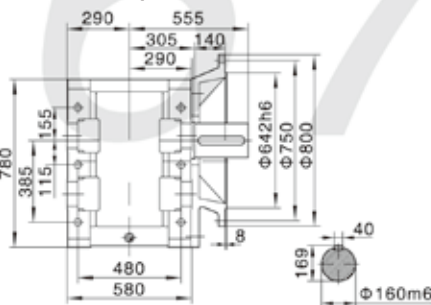
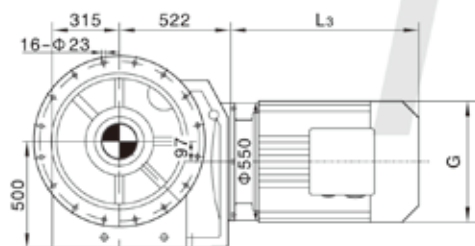
K167

KA167



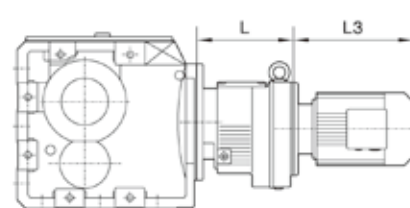
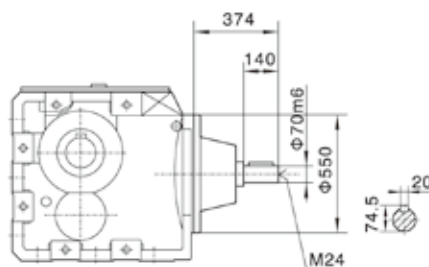
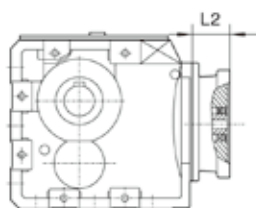
KF167

KAF167



K..S167

K..167R97(R107)

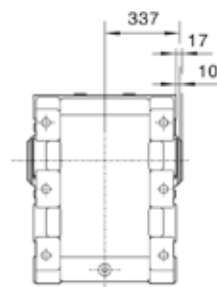


Customers provide the motor by themselves  
need connected flange.

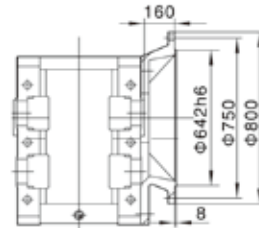
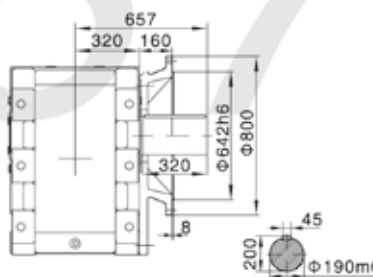
Note: For other values please refer to relevant structure.

	K..167R97										K..167R107		
	L										320		
Motor size	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	315S	315M	315L
Power/(kW)	11	15	18.5	22	30	37	45	55	75	90	110	132	160 200
L3	492	537	593	633	646	673	698	779	847	847	1100	1180	1270
G	330	330	380	380	420	470	470	510	580	580	645	645	645
L2	76	76	76	76	76	98	98	103	103	103	132	132	132

Note:1.The housings of KA、KF、KAF、KAZ are common parts.The mounting dimensions may consult each other. 2. "K..." means K, KA, KF, KAF, KAZ, KAB.



K



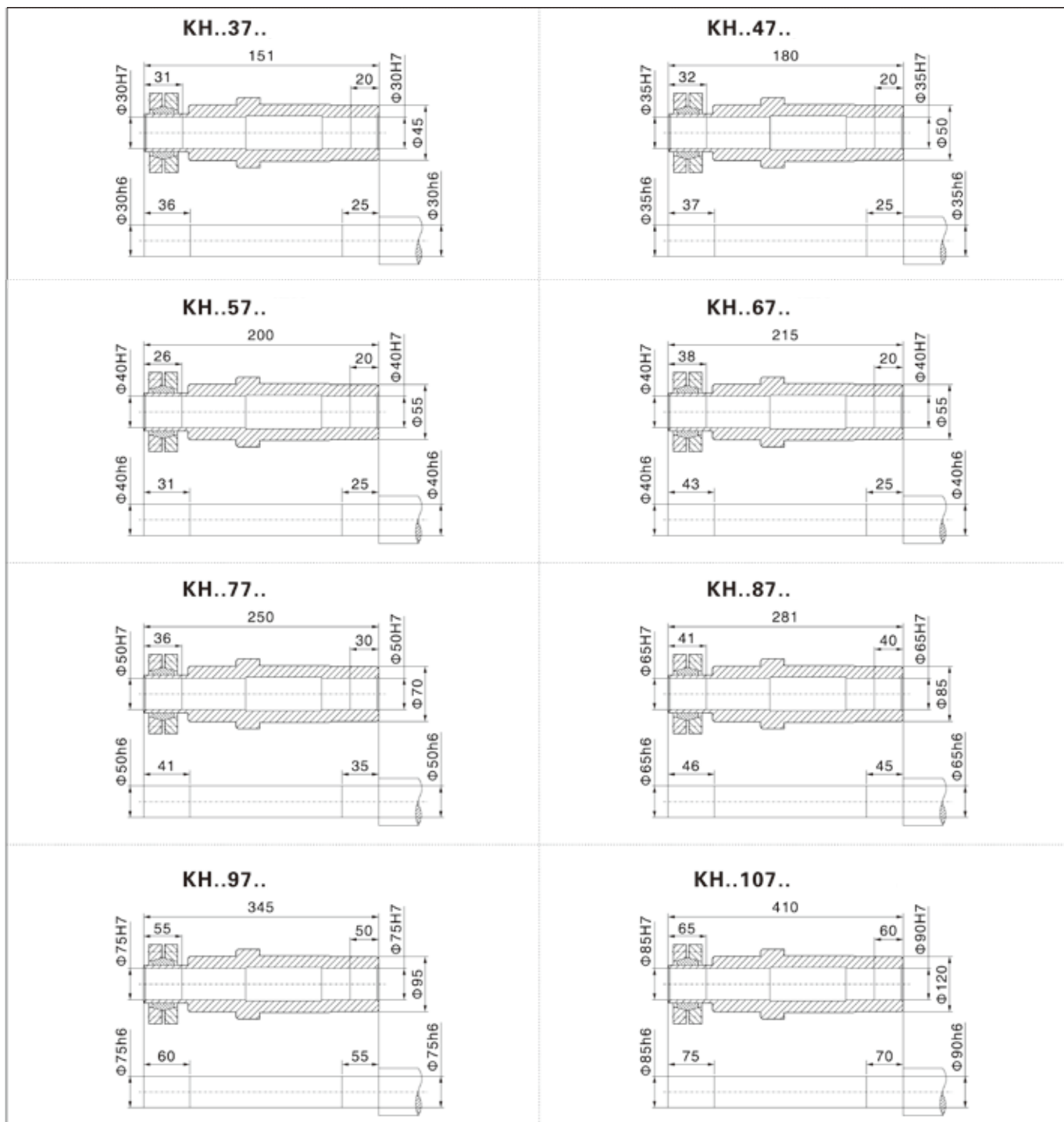
Technical drawing of the 1000 series camera showing dimensions L and L3.

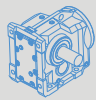
	K..187R97		K..187R107	
L	320		370	
280M	315S	315M	315L	
90	110	132	160	200
847	1100	1180	1270	
580	645	645	645	
103	132	132	132	

39

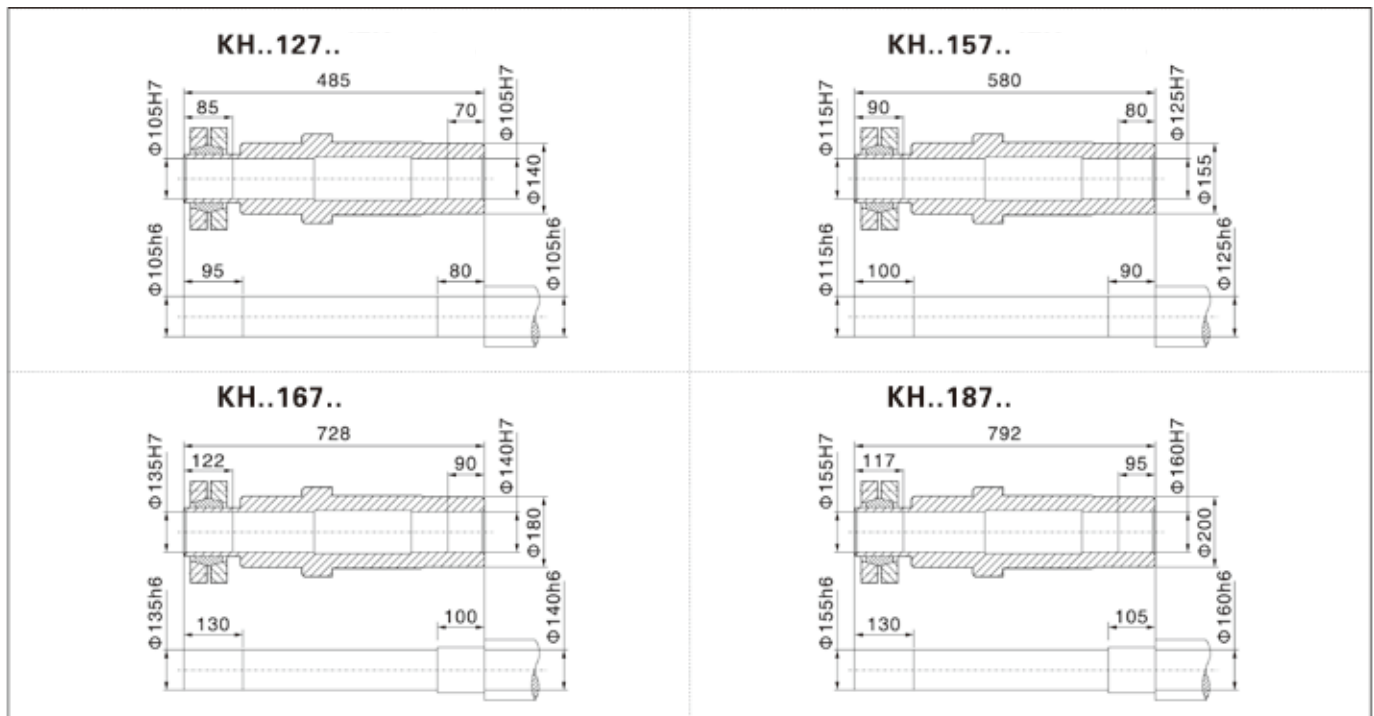


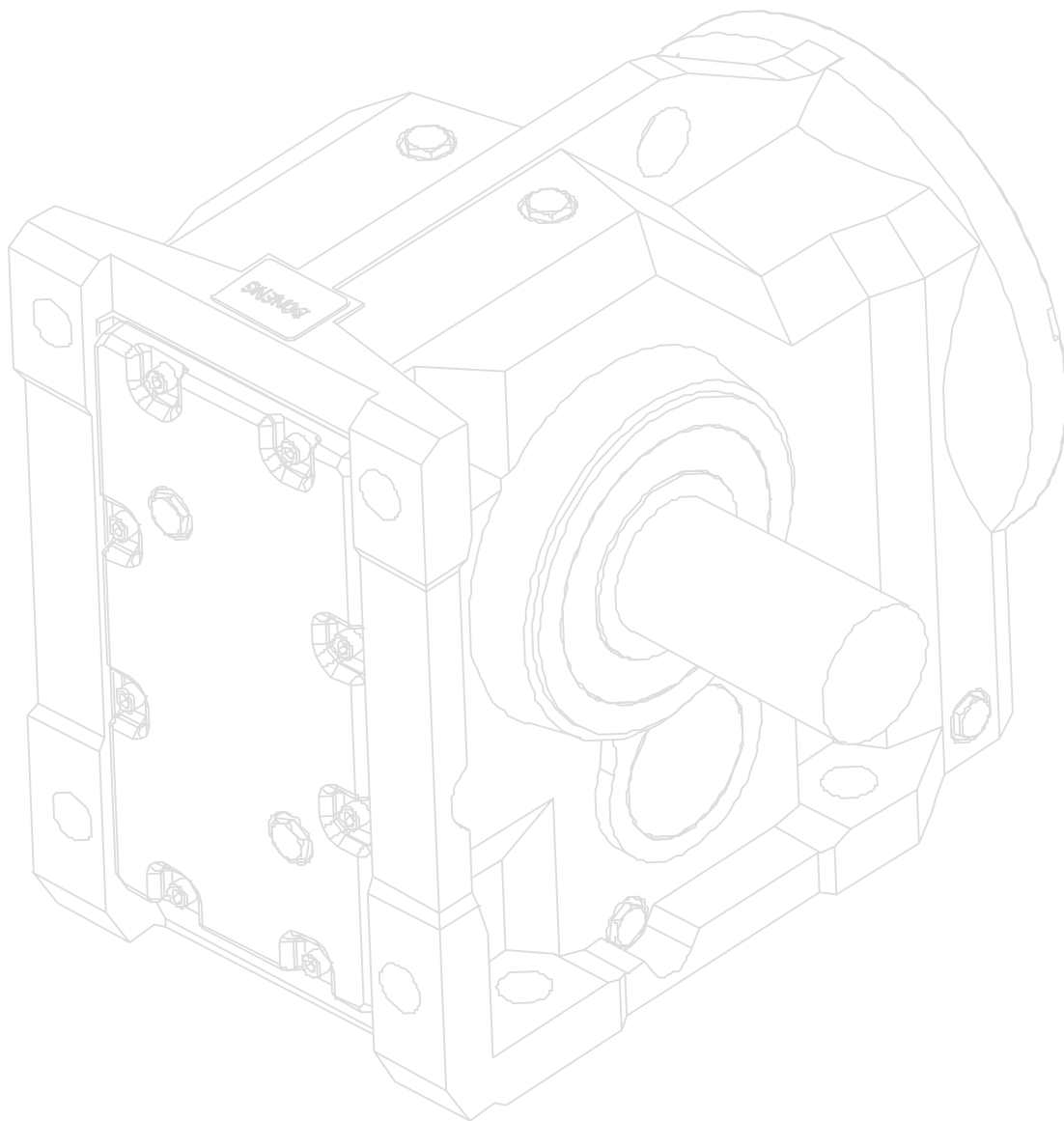
## Dimensions of shrink disc





## Dimensions of shrink disc





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