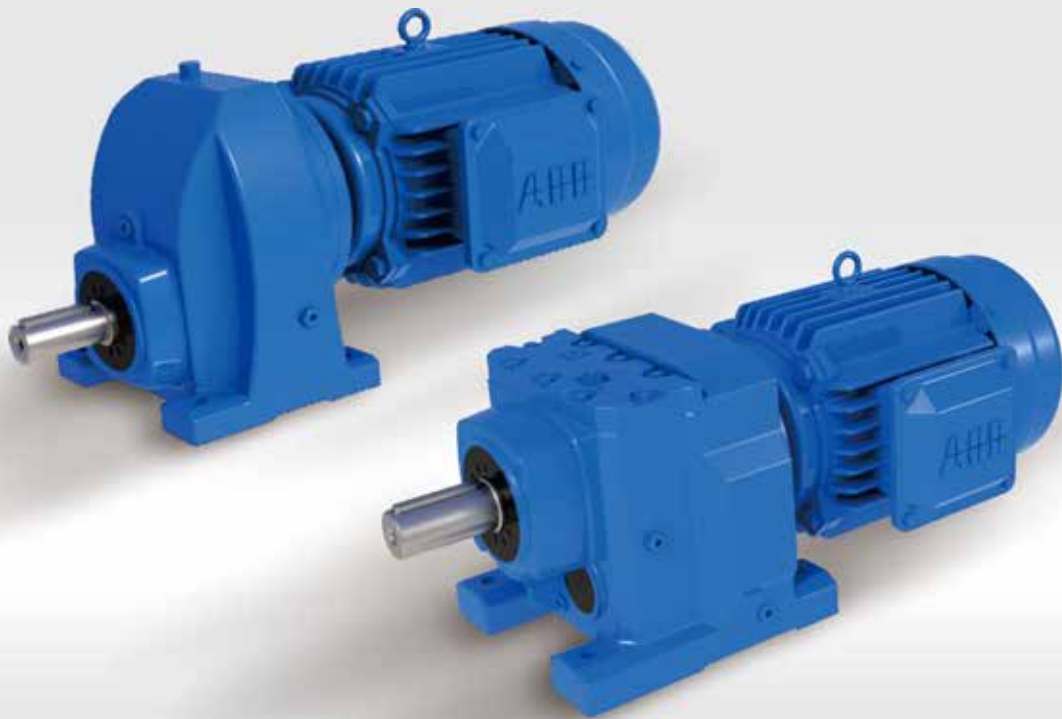


REDSUN

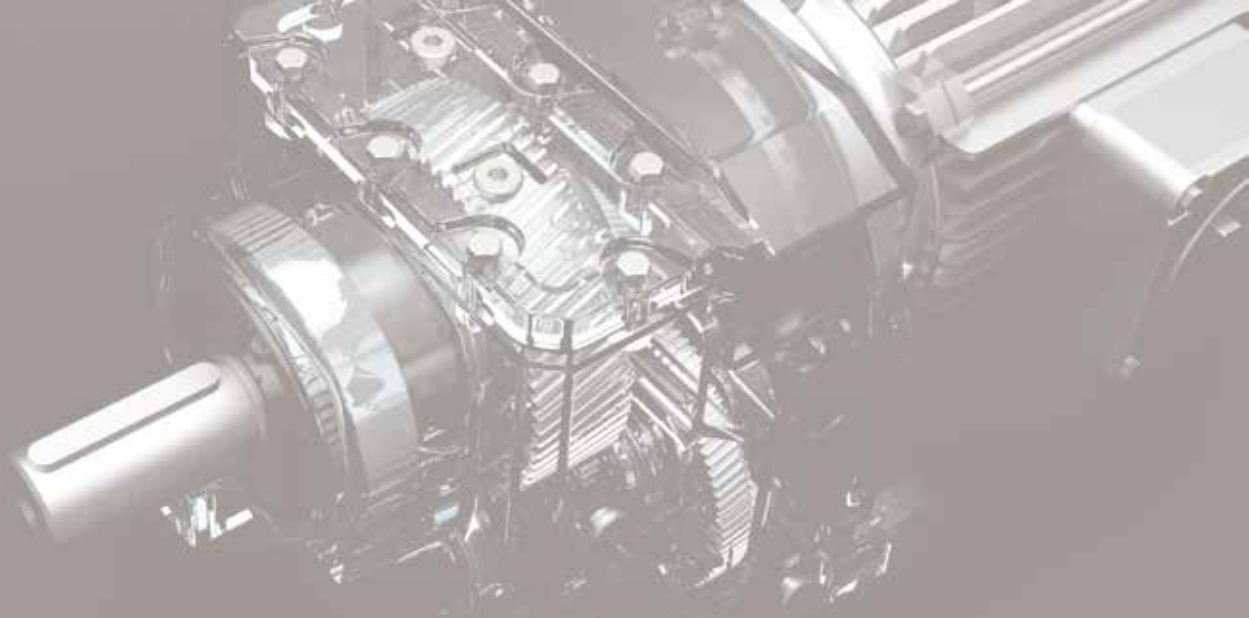


R Series Helical Gear Units

08 / 2015

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.

$$\text{Viz } T_N \geq T_2 \times f_1 \times f_2 \times f_3$$

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 ₁			
Driven equipment	Daily operating time with load(hour)			Driven equipment	Daily operating time with load(hour)						
	≤ 2	> 2-10	> 10		≤ 2	> 2-10	> 10		≤ 2	> 2-10	> 10
Sewage treatment				Conveying machine							
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	Various frequency device	—	1.8	2.0				
Volume-down pump											
1Piston	1.3	1.4	1.8	Reciprocating compressor	—	1.8	1.9				
>1Piston	1.2	1.4	1.5								
Dredge				Hoisting mechanism**							
Bucket conveyor	—	1.6	1.6	Rotary mechanism*		1.4	1.8				
Unloading device	—	1.3	1.5	Pitching mechanism		1.1	1.4				
Carterpillar traveling mechanism	1.2	1.6	1.8	Traveling mechanism		1.6	2.0				
Bucket digger				Lifting mechanism		1.1	1.4				
Be used for picking up	—	1.7	1.7	Jibcrane		1.2	1.6				
Be used for rough materials	—	2.2	2.2								
Chopper	—	2.2	2.2	Cooling tower							
Traveling mechanism*	—	1.4	1.8	Cooling tower fan	—	—	2.0				
Plate blender	—	1.0	1.0	Fan (Shaft flow and centrifugal type)	—	1.4	1.5				
Chemical industry				Food industry							
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	Paper-making machinery							
Centrifugal machine	1.0	1.2	1.3	Various kinds***	—	1.8	2.0				
Metal processing equipment				Pulper driving device	Supply goods according to customer requirements						
Plate turnover	1.0	1.0	1.2	Centrifugal compressor	—	1.4	1.5				
Steel pushing device	1.0	1.2	1.2								
Winding machine	—	1.6	1.6	Rope way cable car							
Cooling bed transverse frame	—	1.5	1.5	Delivery ropeway	—	1.3	1.4				
Roller leveler	—	1.6	1.6	Cableway of shuttle system	—	1.6	1.8				
Roller path				T rod elevator	—	1.3	1.4				
Continuous	—	1.5	1.5	Continuous cableway	—	1.4	1.6				
Interval	—	2.0	2.0								
Reversing mill	—	1.8	1.8	Cement industry							
Cutter				Concrete blender	—	1.5	1.5				
Continuous*	—	1.5	1.5	Crusher*	—	1.2	1.4				
Crank type*	1.0	1.0	1.0	Rotary kiln	—	—	2.0				
Continuous casting driving device	—	1.4	1.4	Tube mill	—	—	2.0				
Rolling mill				Powder concentrator	—	1.6	1.6				
Reversing cogging mill	—	2.5	2.5	Roller press	—	—	2.0				
Reversing plate slab mill	—	2.5	2.5								
Reversing wire mill	—	1.8	1.8								
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	—								



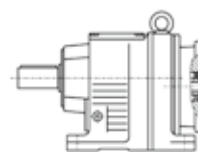
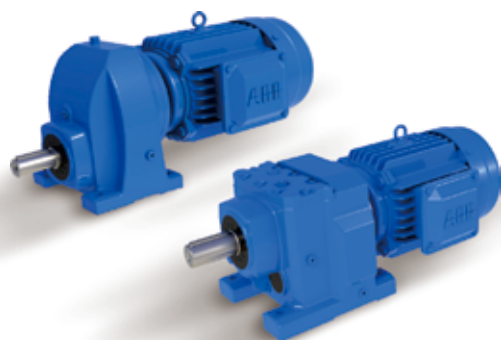
Table 1				Driven machine factor				f ₁
Driven equipment	Daily running time with load(hour)			Driven equipment	Daily running time with load(hour)			
	≤ 2	> 2-10	> 10		≤ 2	> 2-10	> 10	
Wood industry				Plastics industry				
Barking machine				Miller, compound grinding				
Feed drive	1.25	1.25	1.50	Coating, 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				Rubber industry				
Conveying chain				Continuous strong inner mixer,Mix roller,				
Floor	1.50	1.50	1.50	Batch feeding mixer (except for double sticks)	1.50	1.50	1.50	
Green-wood	1.50	1.50	1.75	Refiner, calender				
Cutting Chain				Double roller clamp feeding and mixed miller	1.25	1.25	1.50	
Saw transmission,traction	1.50	1.50	1.75					
Peeling barrel	1.75	1.75	2.00	Batch strong inner mixer,				
Feed drive				Double stick single groove grain stick	1.75	1.75	1.75	
Edging,wood trimmer	1.25	1.25	1.50	Miller heater, double sticks				
Planer feed,assorting table,				Batch feeding mixer				
Automatic incline lifting				Wave stick miller	2.00	2.00	2.00	
Multi-shaft feed,raw wood	1.75	1.75	1.75	Generator and exciter	1.00	1.00	1.25	
Transportation and rotation								
Transportation				Hammer crusher	1.75	1.75	2.00	
Charging tray				Sand miller	1.25	1.25	1.50	
Plywood lathe drive	1.50	1.50	1.75					
Conveying chain,Lifting								

⚠ Note: Determine required power P_2 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_2
Electric motors, hydraulic motors, turbines	1.0	
Piston engines 4-6 cylinders	1.25	
Piston engines 1-3 cylinders	1.5	

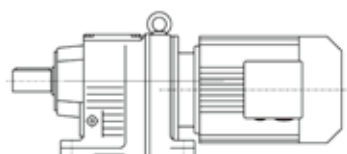
Table 3	Start factor				f_3
f_3	$f_1 \times f_2$	1	1.25 -1.75	2- 2.75	≥ 3
Starts per hour					
≤ 5		1	1	1	1
6-25		1.2	1.12	1.06	1
26-60		1.3	1.2	1.12	1.06
61-180		1.5	1.3	1.2	1.12
> 180		1.7	1.5	1.3	1.2



R (RF, RX, RXF) ...Y...

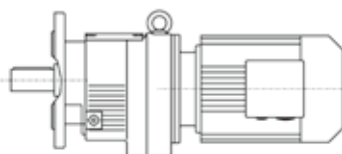
Customers provide the motor by themselves need connected flange

R series gear units are available in the following designs:



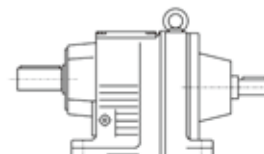
R...Y...

Foot-mounted helical gear units



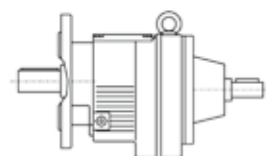
RF...Y...

Flange-mounted helical gear units



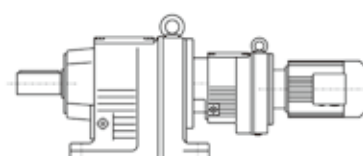
RS...

Foot-mounted helical gear units with solid shaft input



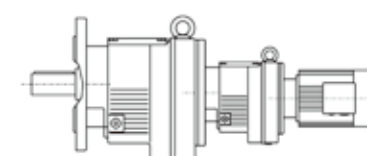
RFS...

Flange-mounted helical gear units with solid shaft input



R...R...Y...

Foot-mounted combi-type helical gear units



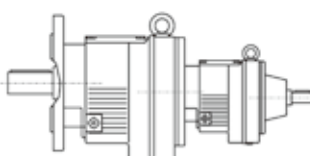
RF...R...Y...

Flange-mounted combi-type helical gear units



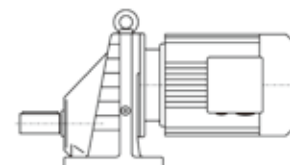
RS...R...

Foot-mounted combi-type helical gear units with solid shaft input



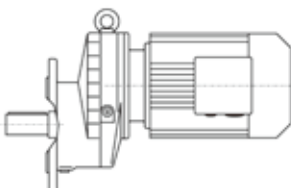
RFS...R...

Flange-mounted combi-type gear units with shaft input



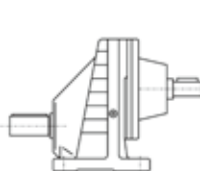
RX...Y...

Foot-mounted single-stage helical gear units



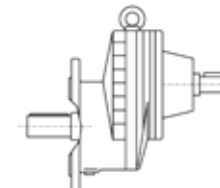
RXF...Y...

Flange-mounted single-stage helical gear units



RXS...

Foot-mounted single-stage helical gear units with solid shaft input



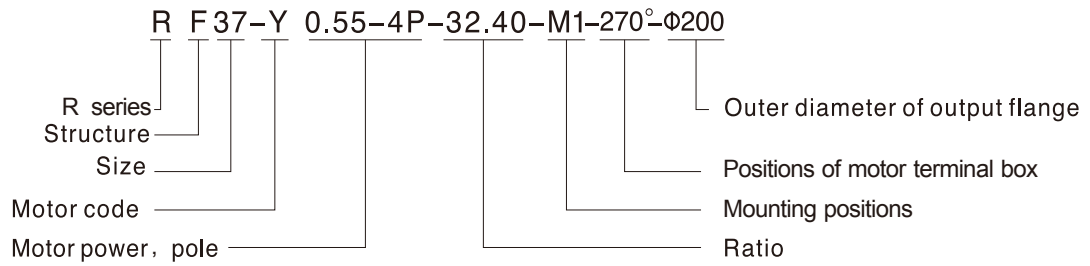
RXFS...

Flange-mounted single-stage helical gear units with solid shaft input

R



Type Designations:



R series:
helical gear units

Structure:

Foot-mounted	(-)
Flange-mounted	F
Foot-mounted with shaft input	S
Flange-mounted with shaft input	FS

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

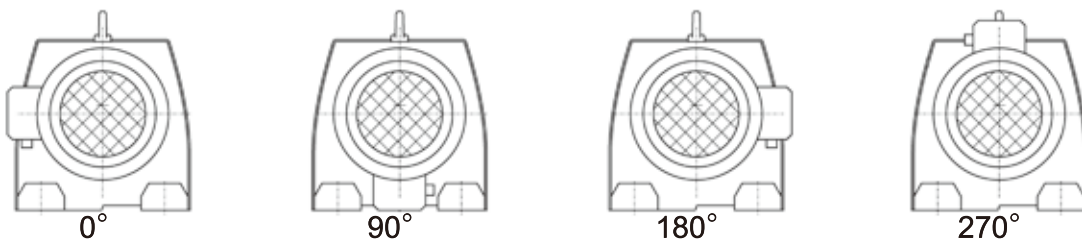
Ratio:
See selection table

Mounting positions:
M1, M2, M3, M4, M5, M5.(See page3)

Positions of motor terminal box:
0°, 90°, 180°, 270°(See page2)

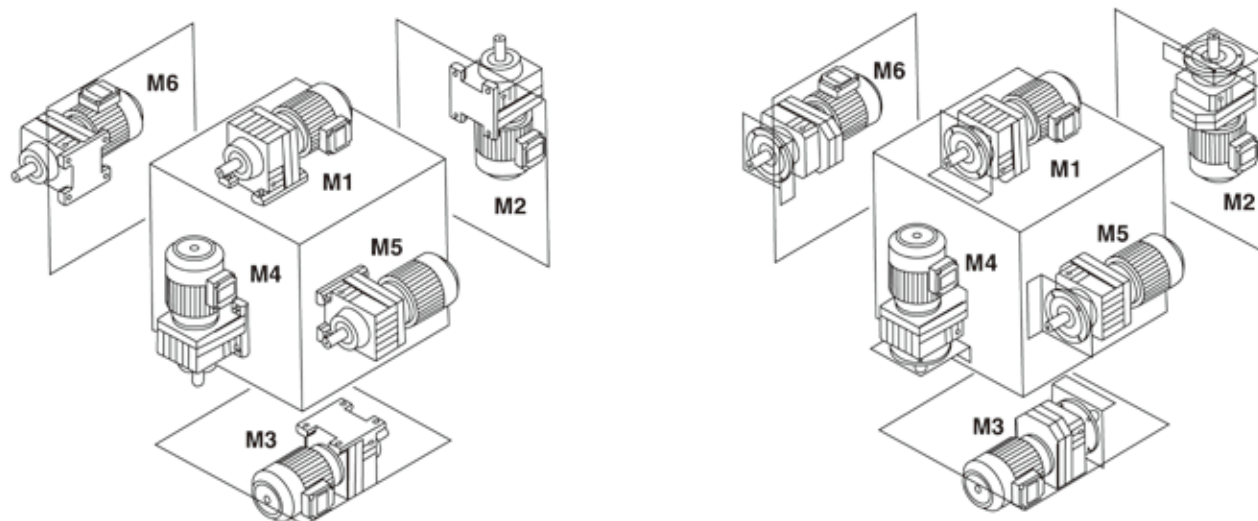
Outer diameter of output flange:
See the chart of mounting dimension (It will be omitted when foot mounting)

Positions of motor terminal box:





Mounting positions



Input power rating and permissible torque

Size	17	27	37	47	57	67	77	87	97	107	137	147	167
Structure	R						RF						
Input power rating (kW)	0.18~0.75	0.18~3	0.18~3	0.18~5.5	0.18~7.5	0.18~7.5	0.18~11	0.55~22	0.55~30	2.2~45	5.5~55	11~90	11~160
Ratio	3.83~74.84	3.37~135.09	3.33~134.82	3.83~176.88	4.39~186.89	4.29~199.81	5.21~195.24	5.36~246.54	4.49~289.74	5.06~249.16	5.15~222.60	5.00~163.31	10.24~229.71
Permissible torque (N·m)	85	130	200	300	450	600	820	1550	3000	4300	8000	13000	18000

Size	37	57	67	77	87	97	107	127	157
Structure	RX					RXF			
Input power rating (kW)	0.18~1.1	0.18~5.5	0.18~7.5	1.1~11	3~22	5.5~30	7.5~45	7.5~90	11~132
Ratio	1.62~4.43	1.3~5.5	1.4~6.07	1.42~8.00	1.39~8.65	1.42~8.23	1.44~6.63	1.51~6.2	1.57~6.2
Permissible torque (N·m)	20	70	135	215	400	600	830	1110	1680

Gear unit weight

Size	R17	R27	R37	R47	R57	R67	R77	R87	R97	R107	R137	R147	R167
Weight (kgs)	4	5.5	8.5	10	18	25	36	63	101	153	220	400	700
Gear unit type	RX37	RX57	RX67	RX77	RX87	RX97	RX107	RX127	RX157				
Weight (kgs)	5	8	14	23	39	70	100	150	250				

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



Oil

Size	Oil level(L)					
	M1 ¹⁾	M2 ¹⁾	M3	M4	M5	M6
R17	0.25	0.6	0.35	0.6	0.35	0.35
R27	0.25/0.4	0.7	0.4	0.7	0.4	0.4
R37	0.3/1	0.9	1	1.1	0.8	1
R47	0.7/1.5	1.6	1.5	1.7	1.5	1.5
R57	0.8/1.7	1.9	1.7	2.1	1.7	1.7
R67	1.1/2.3	2.6/3.5	2.8	3.2	1.8	2
R77	1.2/3	3.8/4.3	3.6	4.3	2.5	3.4
R87	2.3/6	6.7/8.4	7.2	7.7	6.3	6.5
R97	4.6/9.8	11.7/14	11.7	13.4	11.3	11.7
R107	6/13.7	16.3	16.9	19.2	13.2	15.9
R137	10/25	28	29.5	31.5	25	25
R147	15.4/40	46.5	48	52	39.5	41
R167	27/70	82	78	88	66	69

Size	Oil level(L)					
	M1 ¹⁾	M2 ¹⁾	M3	M4	M5	M6
RF17	0.25	0.6	0.35	0.6	0.35	0.35
RF27	0.25/0.4	0.7	0.4	0.7	0.4	0.4
RF37	0.4/1	0.9	1	1.1	0.8	1
RF47	0.75/1.5	1.6	1.5	1.7	1.5	1.5
RF57	0.8/1.7	1.8	1.7	2	1.7	1.7
RF67	1.2/2.5	2.7/3.6	2.7	3.1	1.9	2.1
RF77	1.2/2.6	3.8/4.1	3.3	4.1	2.4	3
RF87	2.4/6	6.8/7.9	7.1	7.7	6.3	6.4
RF97	5.1/10.2	11.9/14	11.2	14	11.2	11.8
RF107	6.3/14.9	15.9	17	19.2	13.1	15.9
RF137	9.5/25	27	29	32.5	25	25
RF147	16.4/42	47	48	52	42	42
RF167	26/70	82	78	88	65	71

Size	Oil level(L)					
	M1	M2	M3	M4	M5	M6
RX37/RXF37	0.45/0.4	0.6	1.1/0.9	1.1/0.9	0.7/0.6	0.7/0.6
RX57/RXF57	0.6/0.5	0.8	1.3/1.1	1.3/1.1	0.9/0.7	0.9/0.7
RX67/RXF67	0.8/0.7	0.8	1.7/1.5	1.9/1.7	1.1/1	1.1/1
RX77/RXF77	1.1/0.9	1.5	2.6/2.4	2.7/2.5	1.6	1.6
RX87/RXF87	1.7/1.6	2.5	4.8/4.9	4.8/4.7	2.9	2.9
RX97/RXF97	2.1	3.4/3.6	7.4/7.1	7	4.8	4.8
RX107/RXF107	3.9/3.1	5.6/5.9	11.6/11.2	11.9/10.5	7.7/7.2	7.7/7.2
RX127/RXF127	5.6/5.9	11.6/11.2	21.9/20.5	22.7/22.2	9.7/9.2	9.7/9.2
RX157/RXF157	11.6/11.2	21.9/20.5	31.3/30.5	32.7/32.2	13.2/12.7	13.2/12.7

Note: Combi-type gear units must be filled with the larger oil volume.



Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole			
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p			
0.18kW						0.18kW								
0.16	9293	8443	1.31	R 147R77 RF147R77	4	1.6	944	858	0.82	R 77R37 RF77R37	4			
0.19	8042	7307	1.52			1.7	904	821	0.85					
0.22	7096	6447	1.72			1.8	833	757	0.93					
0.25	6128	5568	1.99			1.9	803	730	0.96					
0.29	5300	4815	2.31			2.1	739	671	1.04					
0.32	4760	4325	2.57			2.2	711	646	1.08					
0.38	4038	3669	3.03			2.4	628	571	1.23					
0.43	3553	3228	3.44			2.5	602	547	1.28					
0.16	9668	8784	0.8	R 137R77 RF137R77	4	2.9	525	477	1.47			R 67R37 RF67R37	4	
	0.19	8232	7479			0.91	3.3	469	426					1.64
	0.22	7057	6412			1.07	3.8	402	365					1.92
	0.24	6421	5834			1.17	4.5	341	310					2.26
	0.28	5504	5001			1.37	2.4	628	571					0.90
	0.30	5183	4709			1.45	2.5	617	561					0.91
	0.32	4803	4364			1.57	2.9	532	483					1.06
	0.35	4323	3928			1.74	3.2	482	438					1.17
	0.40	3868	3514			1.94	3.6	427	388	1.32				
	0.42	3674	3338			2.05	4.1	370	336	1.53				
0.47	3224	2929	2.33	4.8	316	287	1.79							
0.31	4881	4435	0.83	R 107R77 RF107R77	4	5.5	281	255	2.01	R 57R37 RF57R37	4			
	0.36	4260	3870			0.95	3.0	518	471			0.82		
	0.42	3634	3302			1.11	3.1	488	443			0.87		
	0.46	3299	2997			1.23	3.4	451	410			0.94		
	0.53	2885	2621			1.40	3.9	395	359			1.07		
	0.62	2479	2252			1.63	4.3	357	324			1.19		
	0.68	2246	2041			1.80	4.4	351	319			1.20		
	0.71	2169	1971			1.86	4.8	319	290			1.33		
	0.77	1995	1813			2.03	5.2	294	267			1.44		
	0.88	1747	1587			2.31	5.3	288	262			1.47		
0.51	2996	2722	0.94	R 97R57 RF97R57	4	5.7	271	246	1.56	R 37R17 RF37R17	4			
	0.52	2937	2668			0.96	5.8	265	241			1.59		
	0.60	2544	2311			1.11	6.3	242	220			1.75		
	0.62	2471	2245			1.14	6.5	237	215			1.79		
	0.67	2287	2078			1.23	7.4	207	188			2.04		
	0.69	2219	2016			1.27	8.7	175	159			2.42		
	0.80	1907	1733			1.48	4.6	331	301			0.85		
	0.86	1786	1623			1.58	5.5	281	255			1.00		
	0.97	1578	1434			1.79	6.1	251	228			1.12		
	1.2	1328	1207			2.12	7.1	215	195			1.31		
0.79	1912	1737	0.8	R 87R57 RF87R57	4	6.2	249	226	0.8	R 27R17 RF27R17	4			
	0.80	1907	1733			0.85	6.9	222	202			0.85		
	0.91	1677	1524			0.87	7.0	219	199			0.86		
	0.93	1639	1489			0.89	7.8	197	179			0.95		
	1.0	1535	1395			0.95	8.9	173	157			1.09		
	1.1	1356	1232			1.07	9.1	172	156			1.11		
	1.2	1260	1145			1.16	9.3	165	150			1.14		
	1.3	1141	1037			1.28	9.9	155	141			0.8		
	1.5	1025	931			1.42	10	149	135			0.82		
	1.6	972	883			1.50	11	136	124			0.90		
1.7	883	802	1.65	R 77 RF77	6	12	130	118	0.94					
	1.8	852	774			1.71	13	121	110	1.01				
	14	114	104			1.07								
	15	103	94			1.18								
	4.4	371	195.24			2.1								
	5.1	317	166.59			2.4								
5.8	277	145.67	2.8											
6.1	263	138.39	2.9											
7.0	231	121.42	3.3											

R



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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
0.18kW						0.18kW					
7.1	227	195.24	3.4	R 77 RF77	4	11	144	123.91	0.85	R 27 RF27	4
8.3	194	166.59	4.0		4	13	123	105.49	1.00		4
9.5	169	145.67	4.6		4	15	106	90.96	1.16		4
10	161	138.39	4.8		4	16	99	84.78	1.24		4
4.3	380	199.81	1.48	R 67 RF67	6	19	86	74.11	1.42		4
4.6	350	184.07	1.61		6	20	81	69.47	1.51		4
5.4	301	158.14	1.88		6	23	71	61.30	1.71		4
6.2	262	137.67	2.2		6	25	65	55.87	1.88		4
6.6	245	128.97	2.3		6	29	56	48.17	2.2		4
7.5	217	113.94	2.6		6	31	52	44.90	2.3		4
8.0	201	105.83	2.8		6	35	46	39.25	2.7		4
8.9	182	95.91	3.1		6	38	44	36.79	2.8		4
9.9	164	86.11	3.4	R 67 RF67	4	43	39	32.47	3.2		4
11	141	74.17	4.0		4	48	35	28.78	3.5		4
12	133	69.75	4.3		4	49	34	28.37	3.6		4
7.0	232	199.81	2.4		4	53	31	26.09	3.9		4
7.6	214	184.07	2.6		4	57	29	24.47	4.2		4
8.8	184	158.14	3.1		4	62	26	22.32	4.6		4
10	160	137.67	3.5	R 67 RF67	4	72	23	19.35	5.3	R 17 RF17	6
11	150	128.97	3.8		4	77	21	18.08	5.7		6
12	132	113.94	4.3		4	89	19	15.63	6.6		6
13	123	105.83	4.6		4	105	16	13.28	7.8	R 17 RF17	6
4.5	355	186.89	1.19	R 57 RF57	6	37	45	23.13	1.78		6
4.9	327	172.17	1.29		6	40	41	21.22	1.94		6
5.7	281	147.92	1.50		6	47	35	18.06	2.28		6
6.6	245	128.77	1.73		6	19	87	74.84	0.92		4
7.0	229	120.63	1.84	R 57 RF57	4	22	75	64.52	1.07		4
7.4	217	186.89	1.95		4	23	70	60.14	1.14		4
8.1	200	172.17	2.1		4	26	61	52.57	1.31		4
9.4	172	147.92	2.5		4	28	57	49.28	1.39		4
11	150	128.77	2.8		4	32	51	43.49	1.58		4
12	140	120.63	3.0		4	34	47	40.49	1.70		4
13	124	106.58	3.4		4	39	41	35.40	1.94		4
14	115	98.99	3.7	R 47 RF47	4	42	39	33.18	2.07		4
15	104	89.71	4.1		4	47	34	29.28	2.3		4
7.9	206	176.88	1.37		4	54	30	25.96	2.6		4
8.5	189	162.94	1.49		4	60	27	23.13	2.9		4
9.9	163	139.99	1.73		4	63	26	22.06	3.1		4
11	142	121.87	1.99	R 47 RF47	4	66	25	21.22	3.2		4
12	133	114.17	2.1		4	77	21	18.06	3.7	R 17 RF17	4
14	117	100.86	2.4		4	89	18	15.57	4.3		4
15	109	93.68	2.6		4	96	17	14.52	4.6		4
16	99	84.90	2.9		4	110	15	12.69	5.3		4
18	89	76.23	3.2		4	117	14	11.89	5.7		4
6.9	235	123.66	0.80	R 37 RF37	6	132	12	10.5	5.9		4
8.1	200	105.28	0.94		6	149	11	9.31	6.1		4
9.4	173	90.77	1.09		6	176	10	7.91	6.2		4
10	161	84.61	1.17		6	184	9	7.55	6.5		4
10	157	134.82	1.20	R 37 RF37	4	197	8	7.04	7.0		4
11	144	123.66	1.31		4	226	7.5	6.15	7.2		4
13	122	105.28	1.54		4	241	7	5.76	7.3		4
15	106	90.77	1.78		4	273	6	5.09	7.9		4
16	98	84.61	1.91		4	308	5	4.51	8.4		4
19	86	73.96	2.2		4	363	4.5	3.83	10		4
20	81	69.33	2.3		4	140	12	6.07	3.4	RX 67 RXF67	6
23	71	61.18	2.6		4	164	10	5.18	6.9		6
25	65	55.76	2.9		4	188	9.0	4.53	8.6		6
29	56	48.08	3.1		4	198	8.5	4.30	8.8		6



Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p
0.18kW						0.25kW					
229	7.4	6.07	5.5	RX 67 RXF67	4	0.69	3082	2016	0.92	R 97R57 RF97R57	4
268	6.3	5.18	11			0.76	2787	1823	1.01		
307	5.5	4.53	13			0.80	2649	1733	1.06		
323	5.2	4.30	14			0.86	2481	1623	1.14		
369	4.6	3.77	18			0.88	2420	1583	1.17		
434	3.9	3.20	24			1.0	2134	1396	1.32		
481	3.5	2.89	28			1.1	1877	1228	1.50		
547	3.1	2.54	36			1.3	1633	1068	1.73		
579	2.9	2.40	40			1.5	1432	937	1.97		
681	2.5	2.04	51			1.7	1260	824	2.2		
155	11	5.50	3.36	RX 57 RXF57	6	1.9	1127	737	2.5		
168	10	5.07	3.37			2.2	965	631	2.9		
195	8.6	4.35	7.4			1.2	1750	1145	0.83		
224	7.5	3.79	8.5			1.3	1585	1037	0.92		
253	6.7	5.50	5.50	RX 57 RXF57	4	1.5	1423	931	1.02		
274	6.1	5.07	5.51			1.6	1350	883	1.08		
320	5.3	4.35	12			1.7	1226	802	1.19		
367	4.6	3.79	14			1.8	1183	774	1.23		
392	4.3	3.55	15			2.0	1044	683	1.40		
443	3.8	3.14	16			2.3	916	599	1.59		
478	3.5	2.91	18			2.6	803	525	1.82		
527	3.2	2.64	20			3.1	694	454	2.1		
586	2.9	2.37	23			5.2	408	267	3.6		
681	2.5	2.04	26			2.4	873	571	0.88		
724	2.3	1.92	28	2.5	836	547	0.92				
842	2.0	1.65	32	2.9	729	477	1.06				
426	4	3.26	3.80	RX 37 RXF37	4	3.3	651	426	1.18		
527	3	2.64	4.69			3.8	556	364	1.39		
0.25kW						4.5	477	312	1.62		
0.14	14894	9743	0.82			R 147R77 RF147R77	4	4.6	474	310	1.63
0.16	12907	8443	0.95	5.6	379			248	2.03		
0.19	11170	7307	1.09	6.3	335			219	2.3		
0.22	9855	6447	1.24	3.6	593			388	0.95		
0.25	8512	5568	1.44	3.9	549			359	1.03		
0.29	7361	4815	1.66	4.1	514			336	1.10		
0.32	6612	4325	1.85	4.5	474			310	1.19		
0.38	5609	3669	2.18	4.8	439			287	1.29		
0.43	4935	3228	2.48	5.3	404			264	1.40		
0.49	4331	2833	2.82	5.5	390			255	1.45		
0.24	8918	5834	0.84	R 137R77 RF137R77	4	5.9	359	235	1.57		
0.28	7645	5001	0.98			6.1	350	229	1.61		
0.30	7199	4709	1.04			6.9	307	201	1.84		
0.32	6671	4364	1.13			7.1	298	195	1.89		
0.35	6142	4018	1.22			7.7	277	181	2.0		
0.37	6005	3928	1.25			8.1	263	172	2.15		
0.40	5372	3514	1.40			9.0	235	154	2.40		
0.42	5103	3338	1.47			4.3	495	324	0.85		
0.47	4478	2929	1.68			4.4	488	319	0.87		
0.52	4063	2658	1.85			4.8	443	290	0.95		
0.58	3687	2414	2.0	5.2	408	267	1.04				
0.67	3169	2073	2.4	5.3	401	262	1.06				
0.76	2811	1839	2.7	5.7	376	246	1.12				
0.99	2136	1397	3.5	5.8	368	241	1.15				
1.1	1874	1226	4.0	6.3	336	220	1.26				
0.46	4609	3015	0.88	R 107R77 RF107R77	4	6.5	329	215	1.29		
0.71	3013	1971	1.34			7.6	280	183	1.51		
0.77	2772	1813	1.46			8.6	246	161	1.72		
0.88	2426	1587	1.67			10	211	138	2.0		
1.0	2123	1389	1.90			6.1	349	228	0.81		
1.1	1859	1216	2.2			7.1	298	195	0.95		
1.5	1417	927	2.9			7.6	278	182	1.01		
1.7	1241	812	3.3			9.0	235	154	1.20		

R



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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
0.25kW						0.25kW					
8.9	238	156	0.79	R 37R17 RF37R17	4	7.4	308	186.89	1.37	R 57 RF57	4
9.3	229	150	0.82			8.1	284	172.17	1.49		
10	206	135	0.91			9.4	244	147.92	1.73		
11	194	127	0.97			11	212	128.77	1.99		
12	168	110	1.12			12	199	120.63	2.1		
13	159	104	1.18			13	176	106.58	2.4		
14	144	94	1.31			14	163	98.99	2.6		
15	138	90	1.37	R 97 RF97	8	15	148	89.71	2.9	R 47 RF47	4
2.2	1029	289.60	2.7			17	133	80.55	3.2		
2.5	913	256.89	3.1			20	114	69.23	3.7		
2.7	856	240.83	3.3			7.9	292	176.88	0.97		
3.0	767	215.94	3.7	R 87 RF87	8	8.5	269	162.94	1.05		
2.6	876	246.54	1.66			9.9	231	139.99	1.22		
3.0	769	216.54	1.89			11	201	121.87	1.40		
3.1	731	205.71	1.99			12	188	114.17	1.50		
3.5	646	181.77	2.3			14	166	100.86	1.70		
3.9	592	166.59	1.30	R 77 RF77	8	15	154	93.68	1.83	R 37 RF37	4
4.4	518	145.67	1.49			16	140	84.90	2.0		
4.7	492	138.39	1.57			18	126	76.23	2.2		
5.3	431	121.42	1.79			20	113	68.54	2.5		
4.4	526	195.24	1.46	R 77 RF77	6	22	106	64.21	2.7		
5.1	449	166.59	1.72			25	94	56.73	3.0		
5.8	393	145.67	1.96			26	87	52.69	3.2		
7.1	322	195.24	2.4	R 77 RF77	4	29	79	47.75	3.6		
8.3	275	166.59	2.8			10	222	134.82	0.85	R 27 RF27	4
9.5	240	145.67	3.2			11	204	123.66	0.92		
10	228	138.39	3.4			13	175	105.28	1.08		
11	200	121.42	3.8			15	150	90.77	1.26		
4.1	562	158.14	1.00	R 67 RF67	8	16	140	84.61	1.35		
4.7	489	137.67	1.15			19	122	73.96	1.54		
5.0	458	128.97	1.23			20	114	69.33	1.64		
5.7	405	113.94	1.39			23	101	61.18	1.86		
4.3	539	199.81	1.05	R 67 RF67	6	25	92	55.76	2.0	R 57 RF57	6
4.6	496	184.07	1.14			29	79	48.08	2.4		
5.4	426	158.14	1.32			31	74	44.81	2.5		
6.2	371	137.67	1.52			35	65	39.17	2.9		
6.6	348	128.97	1.62			38	61	36.72	3.1		
7.5	307	113.94	1.84			43	53	32.40	3.5		
8.0	285	105.83	1.98			16	140	84.78	0.87	R 47 RF47	4
7.0	329	199.81	1.71	R 67 RF67	4	19	122	74.11	1.00		
7.6	304	184.07	1.86			20	115	69.47	1.07		
8.8	261	158.14	2.2			23	101	61.30	1.21		
10	227	137.67	2.5			25	92	55.87	1.33		
11	213	128.97	2.7			29	79	48.17	1.54		
12	188	113.94	3.0			31	74	44.90	1.65		
13	175	105.83	3.2			35	65	39.25	1.89		
14	158	95.91	3.6			38	61	36.79	2.0		
16	142	86.11	4.0			43	54	32.47	2.3		
4.5	504	186.89	0.84	R 57 RF57	6	48	48	28.78	2.5	R 37 RF37	4
4.9	464	172.17	0.91			49	47	28.37	2.6		
5.7	399	147.92	1.06			53	43	26.09	2.8		
6.6	347	128.77	1.22			57	40	24.47	3.0		
7.0	325	120.63	1.30			62	37	22.32	3.3		
8.0	287	106.58	1.47			72	32	19.35	3.8		
8.6	267	98.99	1.58			77	30	18.08	4.1		
						89	26	15.63	4.7		
						105	22	13.28	5.6		
						117	20	11.86	6.2		
						137	17	10.13	6.9		
						148	16	9.41	7.4		
						170	14	8.16	8.1		
						182	13	7.63	8.4		
						211	11	6.59	9.2		
						248	9.0	5.60	10		
						278	8.2	5.00	11		
						326	7.0	4.27	12		
						348	7.0	4.00	12		
						412	6.0	3.37	13		



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
0.25kW						0.37kW					
26	87	52.57	0.92	R 17 RF17	4	0.19	16532	7307	0.80	R 147R77 RF147R77	4
28	81	49.28	0.98			0.22	14586	6447	0.84		
32	72	43.49	1.11			0.25	12597	5568	0.97		
34	67	40.49	1.20			0.29	10894	4815	1.12		
39	58	35.40	1.37			0.32	9785	4325	1.25		
42	55	33.18	1.46			0.38	8301	3669	1.47		
47	48	29.28	1.65			0.43	7303	3228	1.67		
54	43	25.96	1.87			0.49	6410	2833	1.91		
60	38	23.13	2.1			0.32	9873	4364	0.76	R 137R77 RF137R77	4
63	36	22.06	2.2			0.35	8887	3928	0.85		
66	35	21.22	2.3			0.40	7950	3514	0.95		
77	30	18.06	2.7			0.42	7552	3338	1.00		
89	26	15.57	3.1			0.47	6627	2929	1.13		
96	24	14.52	3.3			0.52	6014	2658	1.25		
110	21	12.69	3.8			0.56	5620	2484	1.34		
117	20	11.89	4.1			0.58	5457	2412	1.38		
132	17	10.5	4.2			0.62	5072	2242	1.48		
149	15	9.31	4.4			0.67	4690	2073	1.60		
176	13	7.91	4.5			0.76	4161	1839	1.81		
184	12	7.55	4.7			0.99	3161	1397	2.4		
197	11	7.04	5.0			1.1	2774	1226	2.7		
226	10	6.15	5.2			1.3	2466	1090	3.0		
241	9	5.76	5.3			1.5	2152	951	3.5		
273	8	5.09	5.7			0.68	4618	2041	0.88	R 107R77 RF107R77	4
308	7	4.51	6.1			0.71	4459	1971	0.91		
363	6	3.83	6.7			0.77	4102	1813	0.99		
140	16	6.07	2.5	RX 67	6	0.83	3785	1673	1.07		
164	14	5.18	4.9	RXF67	6	0.88	3591	1587	1.13		
188	13	4.53	6.2			0.91	3464	1531	1.17		
198	12	4.30	6.4			1.0	3145	1390	1.29		
229	10	6.07	4.0	RX 67 RXF67	4	1.1	2751	1216	1.47		
268	9	5.18	8.1			1.2	2701	1194	1.50		
307	8	4.53	10			1.3	2360	1043	1.71		
323	7	4.30	10			1.5	2097	927	1.93		
369	6	3.77	13			1.7	1837	812	2.2		
434	5.5	3.20	17			0.97	3244	1434	0.87	R 97R57 RF97R57	4
481	5	2.89	20			1.0	3158	1396	0.89		
547	4.5	2.54	26			1.1	2778	1228	1.02		
579	4	2.40	29			1.2	2731	1207	1.03		
681	3	2.04	37			1.3	2453	1084	1.15		
155	15	5.50	2.4	RX 57 RXF57	6	1.4	2416	1068	1.17		
168	14	5.07	2.4			1.5	2120	937	1.33		
195	12	4.35	5.3			1.7	1864	824	1.51		
224	10	3.79	6.2			1.9	1667	737	1.69		
253	9.3	5.50	4.0	RX 57 RXF57	4	2.2	1428	631	1.98		
274	8.5	5.07	4.0			3.2	973	430	2.9		
320	7.3	4.35	9.0			3.7	857	379	3.3		
367	6.4	3.79	10			4.1	760	336	3.7		
392	6.0	3.55	11			1.7	1814	802	0.80	R 87R57 RF87R57	4
443	5.3	3.14	12			1.8	1751	774	0.83		
478	4.9	2.91	13			1.9	1706	754	0.85		
527	4.4	2.64	15			2.0	1545	683	0.94		
586	4.0	2.37	16			2.1	1468	649	0.99		
681	3.4	2.04	19			2.3	1355	599	1.08		
724	3.2	1.92	20			2.5	1217	538	1.20		
842	2.8	1.65	23			2.6	1188	525	1.23		
370	6	3.76	2.37	RX 37 RXF37	4	2.9	1068	472	1.36		
426	5.5	3.26	2.73			3.1	1027	454	1.42		
456	5	3.05	2.92			3.5	905	400	1.61		
527	4.5	2.64	3.38			3.9	817	361	1.78		
621	4	2.24	3.98			5.2	604	267	2.4		
695	3.5	2.00	4.46			5.9	532	235	2.7		
813	3	1.71	5.21								
869	2.5	1.60	5.57								

R



R

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
0.37kW						0.37kW					
3.3	964	426	0.80	R 77R37 RF77R37	4	6.6	503	128.77	0.84	R 57 RF57	6
3.8	824	364	0.94			7.0	471	120.63	0.90		
4.3	740	327	1.04			8.0	416	106.58	1.02		
4.5	701	310	1.10			8.6	387	98.99	1.09		
5.6	561	248	1.37			7.4	447	186.89	0.95	R 57 RF57	4
6.3	495	219	1.56			8.1	411	172.17	1.03		
7.4	425	188	1.81			9.4	353	147.92	1.20		
8.6	367	162	2.1			11	308	128.77	1.37		
9.8	321	142	2.4			12	288	120.63	1.47		
4.8	649	287	0.87	R 67R37 RF67R37	4	13	255	106.58	1.66		
5.5	577	255	0.98			14	237	98.99	1.79		
6.1	518	229	1.09			15	214	89.71	1.97		
7.1	441	195	1.28			17	192	80.55	2.2		
2.5	1323	256.89	2.1	R 97 RF97	8	20	165	69.23	2.6		
2.7	1240	240.83	2.3			21	155	64.85	2.7		
3.0	1112	215.94	2.5			24	137	57.29	3.1		
3.5	958	185.97	2.9			26	127	53.22	3.3		
2.9	1132	289.60	2.5	R 97 RF97	6	29	115	48.23	3.7		
3.3	1004	256.89	2.8			9.9	335	139.99	0.84	R 47 RF47	4
3.5	941	240.83	3.0			11	291	121.87	0.97		
3.9	844	215.94	3.3			12	273	114.17	1.03		
3.0	1115	216.54	1.31	R 87 RF87	8	14	241	100.86	1.17		
3.1	1059	205.71	1.38			15	224	93.68	1.26		
3.5	936	181.77	1.6			16	203	84.90	1.39		
3.4	963	246.54	1.51	R 87 RF87	6	18	182	76.23	1.55		
3.9	846	216.54	1.72			20	164	68.54	1.72		
4.1	804	205.71	1.81			22	153	64.21	1.84		
4.7	710	181.77	2.1			25	136	56.73	2.1		
5.5	607	155.34	2.4			26	126	52.69	2.2		
6.0	556	142.41	2.6			29	114	47.75	2.5		
4.4	750	145.67	1.03	R 77 RF77	8	32	102	42.87	2.6		
4.7	713	138.39	1.08			38	88	36.93	2.7		
5.3	625	121.42	1.23			40	83	34.73	2.8		
5.1	651	166.59	1.18	R 77 RF77	6	41	81	33.79	3.2		
5.8	569	145.67	1.35			45	74	31.12	3.4		
6.1	541	138.39	1.43			52	64	26.74	4.4		
7.1	467	195.24	1.65	R 77 RF77	4	60	56	23.28	5.1		
8.3	398	166.59	1.94			64	52	21.81	5.4		
9.5	348	145.67	2.2			15	217	90.77	0.87	R 37 RF37	4
10	331	138.39	2.3			16	202	84.61	0.93		
11	290	121.42	2.7			19	177	73.96	1.06		
13	246	102.99	3.1			20	166	69.33	1.13		
15	222	92.97	3.47			23	146	61.18	1.29		
5.4	618	158.14	0.91	R 67 RF67	6	25	133	55.76	1.41		
6.2	538	137.67	1.05			29	115	48.08	1.64		
6.6	504	128.97	1.12			31	107	44.81	1.76		
7.5	445	113.94	1.27			35	94	39.17	2.0		
7.0	477	199.81	1.18	R 67 RF67	4	38	88	36.72	2.1		
7.6	440	184.07	1.28			43	77	32.40	2.4		
8.8	378	158.14	1.49			48	69	28.73	2.7		
10	329	137.67	1.71			49	68	28.32	2.8		
11	308	128.97	1.83			53	62	26.03	2.9		
12	272	113.94	2.1			57	58	24.42	3.2		
13	253	105.83	2.2			62	53	22.27	3.5		
14	229	95.91	2.5			72	46	19.31	4.1		
16	206	86.11	2.7			77	43	18.05	4.4		
19	177	74.17	3.2			89	38	15.60	4.9		
20	167	69.75	3.4			105	32	13.25	5.5		
23	146	61.26	3.9			117	29	11.83	6.0		
24	136	56.89	4.1								



Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole				
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p				
0.37kW						0.37kW									
23	146	61.30	0.83	R 27 RF27	4	253	13.7	5.50	2.7	RX 57 RXF57	4				
25	134	55.87	0.92			274	12.6	5.07	2.7						
29	115	48.17	1.06			320	10.8	4.35	5.9						
31	107	44.90	1.14			367	9.4	3.79	6.9						
35	94	39.25	1.30			392	8.8	3.55	7.3						
38	88	36.79	1.39			443	7.8	3.14	7.8						
43	78	32.47	1.57			478	7.2	2.91	8.7						
48	69	28.78	1.78			527	6.6	2.64	9.9						
49	68	28.37	1.80			586	5.9	2.37	11						
53	62	26.09	1.96			681	5.1	2.04	13						
57	58	24.47	2.1			724	4.8	1.92	14						
62	53	22.32	2.3			842	4.1	1.65	16						
72	46	19.35	2.6												
77	43	18.08	2.8												
89	37	15.63	3.3												
105	32	13.28	3.9												
39	85	35.40	0.94	R 17 RF17	4	426	8.1	3.26	1.85	RX 37 RXF37	4				
42	79	33.18	1.01			456	7.6	3.05	1.97						
47	70	29.28	1.14			527	6.6	2.64	2.28						
54	62	25.96	1.29			621	5.6	2.24	2.69						
60	55	23.13	1.45			695	5.0	2.00	3.01						
63	53	22.06	1.52			813	4.3	1.71	3.52						
66	51	21.22	1.58			869	4.0	1.60	3.76						
77	43	18.06	1.85			0.55kW									
89	37	15.57	2.1			0.23	20411	6069	0.83			R 167R97 RF167R97	4		
96	35	14.52	2.3			0.26	18157	5399	0.93						
110	30	12.69	2.6			0.30	15837	4709	1.07						
117	28	11.89	2.8			0.33	14065	4182	1.20						
132	25	10.50	2.9			R 147R77 RF147R77	4	0.29	16193			4815	0.75	R 147R77 RF147R77	4
149	22	9.31	3.0					0.32	14545			4325	0.84		
176	19	7.91	3.1					0.38	12339			3669	0.99		
184	18	7.55	3.3	0.43	10856			3228	1.13						
197	17	7.04	3.4	0.49	9528			2833	1.28						
226	15	6.15	3.5	0.54	8593			2555	1.42						
241	14	5.76	3.6	0.63	7436			2211	1.64						
273	12	5.09	3.9	0.71	6561			1951	1.86						
308	11	4.51	4.2	0.82	5734			1705	2.1						
363	9	3.83	4.6	0.90	5166			1536	2.4						
								1.05	4470	1329	2.7				
								1.19	3921	1166	3.1				
164	21	5.18	3.3	RX 67 RXF67	6			0.52	8939	2658	0.84	R 137R77 RF137R77	4		
188	19	4.53	4.2					0.56	8354	2484	0.9				
198	18	4.30	4.3					0.58	8112	2412	0.93				
225	15	3.77	5.3			0.67	6972	2073	1.08						
229	15	6.07	2.7	RX 67 RXF67	4	0.76	6185	1839	1.22	R 137R77 RF137R77	4				
268	13	5.18	5.5			0.87	5374	1598	1.40						
307	12	4.53	6.8			0.99	4698	1397	1.60						
323	11	4.30	7.0			1.1	4123	1226	1.82						
369	9	3.77	8.7			1.3	3666	1090	2.1						
434	8	3.20	12			1.5	3198	951	2.4						
481	7	2.89	14			1.7	2795	831	2.7						
547	6.3	2.54	18												
579	6.0	2.40	19												
681	5.1	2.04	25												
195	17.7	4.35	3.6			RX 57 RXF57	6	1.0	4675			1390	0.86	R 107R77 RF107R77	4
224	15.4	3.79	4.2	1.1	4090			1216	0.99						
239	14.5	3.55	4.5	1.2	4016			1194	1.01						
								1.3	3686	1095	1.10				
						1.4	3508	1043	1.15	R 107R77 RF107R77	4				
						1.5	3118	927	1.30						
						1.6	2986	888	1.35						
						1.7	2731	812	1.48						
						1.8	2647	787	1.53						
						2.0	2327	692	1.74						
						2.3	2035	605	1.99						



R

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
0.55kW						0.55kW					
1.5	3151	937	0.89			8.8	562	158.14	1.00		
1.7	2771	824	1.02			10	489	137.67	1.15		
1.9	2479	737	1.14			11	458	128.97	1.23		
2.2	2122	631	1.33			12	405	113.94	1.39		
2.5	1883	560	1.50	R 97R57	4	13	376	105.83	1.50	R 67	4
2.9	1628	484	1.73	RF97R57	4	14	341	95.91	1.66	RF67	4
3.2	1446	430	1.95			16	306	86.11	1.84		
3.7	1275	379	2.2			19	263	74.17	2.1		
4.1	1130	336	2.5			20	248	69.75	2.3		
4.7	995	296	2.8			23	218	61.26	2.6		
5.6	837	249	3.4			24	202	56.89	2.8		
2.6	1766	525	0.83			12	428	120.63	0.99		
2.9	1587	472	0.92			13	379	106.58	1.12		
3.1	1527	454	0.95	R 87R57	4	14	352	98.99	1.20		
3.5	1345	400	1.08	RF87R57	4	15	319	89.71	1.33		
3.6	1332	396	1.09			17	286	80.55	1.48		
3.9	1214	361	1.20			20	246	69.23	1.72		
4.0	1180	351	1.23			21	230	64.85	1.84	R 57	4
4.6	1026	305	1.42			24	203	57.29	2.1	RF57	4
5.1	925	275	0.83			26	189	53.22	2.2		
5.9	794	236	0.97	R 77R37	4	29	171	48.23	2.5		
6.3	743	221	1.04	RF77R37	4	32	154	43.30	2.8		
7.8	599	178	1.29			37	132	37.30	3.2		
2.6	1893	256.89	1.50	R 97	8	40	125	35.07	3.4		
2.8	1775	240.83	1.59	RF97	8	53	93	26.31	4.5		
3.1	1591	215.94	1.77			56	89	24.99	4.8		
2.9	1682	289.60	1.68			63	78	21.93	5.4		
3.3	1492	256.89	1.90	R 97	6	75	66	18.60	6.4		
3.5	1399	240.83	2.0	RF97	6	15	333	93.68	0.85		
3.9	1254	215.94	2.2			16	302	84.90	0.94		
4.8	1029	289.60	2.7			18	271	76.23	1.04		
5.4	912	256.89	3.1	R 97	4	20	243	68.54	1.16		
5.8	855	240.83	3.3	RF97	4	22	228	64.21	1.24		
6.4	767	215.94	3.7			25	202	56.73	1.40		
3.6	1375	246.54	1.06			26	187	52.69	1.51	R 47	4
4.1	1208	216.54	1.21	R 87	6	29	170	47.75	1.66	RF47	4
4.3	1148	205.71	1.27	RF87	6	32	152	42.87	1.85		
4.9	1014	181.77	1.44			38	131	36.93	2.1		
5.7	867	155.34	1.68			40	123	34.73	2.3		
5.6	876	246.54	1.66			47	106	29.88	2.7		
6.4	769	216.54	1.89			52	95	26.74	3.0		
6.8	731	205.71	2.0	R 87	4	60	83	23.28	3.4		
7.6	646	181.77	2.3	RF87	4	64	77	21.81	3.6		
8.9	552	155.34	2.6			23	217	61.18	0.87		
9.8	506	142.41	2.9			25	198	55.76	0.95		
11	444	124.97	3.3			29	171	48.08	1.10		
12	421	118.43	3.5			31	159	44.81	1.18		
13	368	103.65	4.0			35	139	39.17	1.35		
8.3	592	166.59	1.30			38	130	36.72	1.44		
9.5	517	145.67	1.49			43	115	32.40	1.63		
10	492	138.39	1.57			48	102	28.73	1.84	R 37	4
11	431	121.42	1.79			57	87	24.42	2.2	RF37	4
13	366	102.99	2.1	R 77	4	62	79	22.27	2.4		
15	330	92.97	2.3	RF77	4	72	69	19.31	2.7		
17	291	81.80	2.7			77	64	18.05	2.9		
18	274	77.24	2.8			89	55	15.60	3.4		
21	234	65.77	3.3			105	47	13.25	4.0		
						117	42	11.83	4.5		



Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p
0.55kW						0.55kW					
35	139	39.25	0.88	R 27 RF27	4	320	16	4.35	4.0	RX 57 RXF57	4
38	131	36.79	0.94			367	14	3.79	4.6		
43	115	32.47	1.06			392	13	3.55	4.9		
48	102	28.78	1.20			443	12	3.14	5.3		
57	87	24.47	1.41			478	11	2.91	5.8		
62	79	22.32	1.54			527	10	2.64	6.6		
72	69	19.35	1.78			586	8.8	2.37	7.4		
77	64	18.08	1.90			681	7.6	2.04	8.6		
89	56	15.63	2.2			724	7.1	1.92	9.1		
105	47	13.28	2.6			842	6.1	1.65	11		
117	42	11.86	2.9			939	5.8	1.48	12		
137	36	10.13	3.2			1069	4.8	1.30	12		
148	33	9.41	3.4			426	12	3.26	1.24		
170	29	8.16	3.8			456	11	3.05	1.33		
182	27	7.63	3.9			527	10	2.64	1.53		
211	23	6.59	4.3			621	8.3	2.24	1.81		
248	20	5.60	4.7			695	7.4	2.00	2.03		
278	18	5.00	5.0			813	6.3	1.71	2.37		
326	15	4.27	5.4			869	5.9	1.60	2.53		
348	14	4.00	5.6			0.75kW					
412	12	3.37	6.2			0.30	21596	4709	0.8	R 167R97 RF167R97	4
77	64	18.06	1.25	0.33	19179	4182	0.88				
89	55	15.57	1.44	0.52	12185	2657	1.39				
96	52	14.52	1.55	0.60	10699	2333	1.58				
110	45	12.69	1.77	0.67	9562	2085	1.77				
117	42	11.89	1.89	0.95	6677	1456	2.5				
132	37	10.50	1.9	R 17 RF17	4	0.43	14804	3228	0.83	R 147R77 RF147R77	4
149	33	9.31	2.0			0.49	12992	2833	0.94		
161	31	8.63	2.1			0.54	11717	2555	1.04		
176	28	7.91	2.2			0.63	10140	2211	1.21		
184	27	7.55	2.2			0.71	8947	1951	1.37		
197	25	7.04	2.3			0.82	7819	1705	1.56		
226	22	6.15	2.4			0.90	7044	1536	1.73		
241	20	5.76	2.6			1.0	6095	1329	2.0		
273	18	5.09	2.7			1.2	5347	1166	2.3		
308	16	4.51	2.8			0.67	9507	2073	0.79	R 137R77 RF137R77	4
363	14	3.83	3.1			0.7	8544	1863	0.88		
171	30	5.18	2.3			0.76	8434	1839	0.89		
195	26	4.53	2.9			0.87	7287	1589	1.03		
206	25	4.30	3.0			0.9	7273	1586	1.03		
235	22	3.77	3.7			0.99	6407	1397	1.17		
268	19	5.18	3.7			1.0	6237	1360	1.21		
307	17	4.53	4.6	1.1	5632	1228	1.34				
323	16	4.30	4.7	1.2	5623	1226	1.34				
369	14	3.77	5.9	1.3	4999	1090	1.50				
434	12	3.20	7.9	1.5	4361	951	1.72				
481	11	2.89	9.3	1.7	3811	831	1.97				
547	9.4	2.54	12	1.9	3348	730	2.2				
579	8.9	2.40	13	1.3	5022	1095	0.80	R 107R77 RF107R77	4		
681	7.6	2.04	17	1.4	4783	1043	0.85				
747	6.9	1.86	17	1.5	4251	927	0.95				
863	6.0	1.61	18	1.6	4072	888	0.99				
203	25	4.35	2.5	1.7	3724	812	1.09				
234	22	3.79	2.9	1.8	3609	787	1.12				
249	21	3.55	3.1	3.9	1637	357	2.5				
282	18	3.14	3.3	4.4	1435	313	2.8				
304	17	2.91	3.7	2.2	2894	631	0.97	R 97R57 RF97R57	4		
				2.5	2568	560	1.10				
				2.9	2220	484	1.27				
				3.2	1972	430	1.43				
				3.7	1738	379	1.62				
				4.1	1541	336	1.83				
				4.7	1357	296	2.1				
				5.6	1142	249	2.5				

R



R

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
0.75kW						0.75kW					
3.5	1816	396	0.80	R 87R57 RF87R57	4 4	13	516	106.58	0.82	R 57 RF57	4 4
3.9	1656	361	0.91			14	479	98.99	0.88		
4.0	1610	351	1.04			15	435	89.71	0.97		
4.6	1399	305	1.19			17	390	80.55	1.08		
4.7	1376	300	1.35			20	335	69.23	1.26		
5.2	1224	267	1.70			21	314	64.85	1.35		
5.4	1174	256	2.0			24	277	57.29	1.52		
5.9	1078	235	2.4			26	258	53.22	1.64		
2.8	2445	245.50	1.65	R 107 RF107	8 8	29	234	48.23	1.81		
3.0	2259	226.11	1.81			32	210	43.30	2.0		
3.4	1995	200.87	2.0			37	181	37.30	2.3		
3.1	2138	215.94	1.32	R 97 RF97	8 8	40	170	35.07	2.5		
3.7	1841	185.97	1.53			46	146	30.18	2.9		
4.0	1674	169.06	1.68			52	131	26.97	3.2		
3.6	1901	256.89	1.49	R 97 RF97	6 6	53	130	26.31	3.3		
3.8	1782	240.83	1.58			56	124	24.99	3.4		
4.2	1598	215.94	1.76			63	108	21.93	3.9		
4.8	1403	289.60	2.0	R 97 RF97	4 4	75	92	18.60	4.6		
5.4	1244	256.89	2.3			20	332	68.54	0.85	R 47 RF47	4 4
5.8	1167	240.83	2.4			22	311	64.21	0.91		
6.4	1046	215.94	2.7			25	275	56.73	1.03		
7.5	901	185.97	3.1			26	255	52.69	1.10		
8.2	819	169.06	3.4			29	231	47.75	1.22		
4.2	1602	216.54	0.91	R 87 RF87	6 6	32	208	42.87	1.36		
4.4	1522	205.71	0.96			38	179	36.93	1.58		
5.0	1345	181.77	1.08			40	168	34.73	1.68		
5.9	1149	155.34	1.27			47	145	29.88	1.95		
6.4	1054	142.41	1.38			52	130	26.74	2.2		
5.6	1194	246.54	1.22	R 87 RF87	4 4	53	129	26.70	2.2		
6.4	1049	216.54	1.39			59	114	23.59	2.5		
6.8	996	205.71	1.46			60	113	23.28	2.5		
7.6	880	181.77	1.65			64	106	21.81	2.7		
8.9	752	155.34	1.94			72	93	19.27	3.0		
9.8	690	142.41	2.1			78	87	17.89	3.1		
11	605	124.97	2.4			86	79	16.22	3.3		
12	574	118.43	2.5			29	233	48.08	0.81	R 37 RF37	4 4
13	502	103.65	2.9			31	217	44.81	0.87		
15	452	93.38	3.2			35	190	39.17	0.99		
8.3	807	166.59	0.96	R 77 RF77	4 4	38	178	36.72	1.06		
9.5	706	145.67	1.09			43	157	32.40	1.20		
10	670	138.39	1.15			48	139	28.73	1.35		
11	588	121.42	1.31			57	118	24.42	1.59		
13	499	102.99	1.55			62	110	22.27	1.71		
15	450	92.97	1.71			72	96	19.31	1.97		
17	396	81.80	1.95			77	89	18.05	2.1		
18	375	77.24	2.1			89	77	15.60	2.4		
21	319	65.77	2.4			105	66	13.25	2.7		
25	273	56.38	2.8			117	59	11.83	2.9		
27	247	50.90	3.1			137	50	10.11	3.2		
31	217	44.78	3.6			147	47	9.47	3.4		
33	205	42.29	3.8			48	139	28.78	0.88	R 27 RF27	4 4
11	625	128.97	0.90	R 67 RF67	4 4	57	119	24.47	1.03		
12	552	113.94	1.02			62	110	22.32	1.11		
13	513	105.83	1.10			72	96	19.35	1.28		
14	465	95.91	1.21			77	89	18.08	1.37		
16	417	86.11	1.35			89	77	15.63	1.58		
19	359	74.17	1.57			105	66	13.28	1.86		
20	338	69.75	1.67			117	59	11.86	2.1		
23	297	61.26	1.90			137	50	10.13	2.3		
24	276	56.89	2.0			148	47	9.41	2.5		
27	250	51.56	2.3			170	40	8.16	2.7		
30	224	46.29	2.5			182	38	7.63	2.8		
						211	33	6.59	3.1		
						248	28	5.60	3.4		
						278	25	5.00	3.6		



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
0.75kW						1.1kW					
77	89	18.06	0.89	R 17 RF17	4	0.53	17744	2657	0.95	R 167R97 RF167R97	4
89	77	15.57	1.04			0.60	15580	2333	1.09		
96	72	14.52	1.11			0.67	13924	2085	1.22		
110	63	12.69	1.27			0.75	12535	1877	1.35		
117	59	11.89	1.36			0.84	11153	1670	1.52		
132	52	10.50	1.41			0.96	9723	1456	1.74		
149	46	9.31	1.47			1.1	8655	1296	2.0	R 147R77 RF147R77	4
176	39	7.91	1.48			1.2	7593	1137	2.2		
184	37	7.55	1.57			0.63	14765	2211	0.83		
197	35	7.04	1.67			0.72	13029	1951	0.94		
226	30	6.15	1.73			0.82	11386	1705	1.07		
241	28	5.76	1.75			0.91	10258	1536	1.19		
273	25	5.09	1.90			1.1	8875	1329	1.38		
308	22	4.51	2.0			1.2	7787	1166	1.57		
363	19	3.83	2.2			1.4	6872	1029	1.78		
201	35	4.53	2.2	RX 67 RXF67	6	1.6	5937	889	2.1		
212	33	4.30	2.3			1.8	5236	784	2.3		
241	29	3.77	2.8			2.0	4641	695	2.6		
284	25	3.20	3.8			1.0	9082	1360	0.83	R 137R77 RF137R77	4
268	26	5.18	2.7	RX 67 RXF67	4	1.1	8201	1228	0.92		
307	23	4.53	3.4			1.2	8187	1226	0.92		
323	22	4.30	3.5			1.3	7279	1090	1.03		
369	19	3.77	4.3			1.3	7212	1080	1.04		
434	16	3.20	5.8			1.4	6812	1020	1.10		
481	15	2.89	6.8			1.5	6351	951	1.18		
547	13	2.54	8.6			1.6	5803	869	1.30		
579	12	2.40	9.5			1.7	5550	831	1.36		
681	10	2.04	12			1.9	4875	730	1.54		
747	9	1.86	13			2.2	4201	629	1.79		
863	8	1.61	13			2.6	3666	549	2.1		
240	29	3.79	2.2	RX 57 RXF57	6	2.9	3272	490	2.3		
256	27	3.55	2.4			2.0	4621	692	0.87	R 107R77 RF107R77	4
290	24	3.14	2.5			2.3	3994	598	1.01		
313	22	2.91	2.8			2.6	3539	530	1.14		
345	20	2.64	3.2			2.9	3199	479	1.26		
320	22	4.35	2.9	RX 57 RXF57	4	3.4	2711	406	1.49		
367	19	3.79	3.4			3.9	2384	357	1.70		
392	18	3.55	3.6			4.5	2090	313	1.93		
443	16	3.14	3.9			5.1	1850	277	2.2		
478	15	2.91	4.3			5.7	1636	245	2.5		
527	13	2.64	4.9			3.3	2872	430	0.98	R 97R57 RF97R57	4
586	12	2.37	5.4			3.7	2531	379	1.11		
681	11	2.04	6.3			4.2	2244	336	1.26		
724	10	1.92	6.7			4.7	1977	296	1.43		
842	9	1.65	7.8			5.6	1663	249	1.70		
939	8	1.48	8.6			6.0	1563	234	1.80		
1069	7	1.30	9.0			6.7	1396	209	2.0		
456	15	3.05	0.97	RX 37 RXF37	4	5.2	1783	267	0.82	R 87R57 RF87R57	4
527	13	2.64	1.13			5.5	1710	256	0.85		
621	11	2.24	1.33			6.0	1569	235	0.93		
695	10	2.00	1.49			6.1	1543	231	0.94		
813	9	1.71	1.74			6.7	1389	208	1.05		
869	8	1.60	1.86			7.2	1302	195	1.12		
						2.8	3586	245.50	1.13	R 107 RF107	8
						3.0	3283	226.11	1.23		
						3.4	2901	200.87	1.39		
						4.0	2461	167.29	1.64		



R

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
1.1kW						1.1kW					
3.5	2788	256.89	1.02	R 97 RF97	6	20	488	69.23	0.87	R 57 RF57	4
3.8	2613	240.83	1.08		6	22	457	64.85	0.92		
4.2	2343	215.94	1.20			24	404	57.29	1.05		
4.9	2018	185.97	1.39			26	375	53.22	1.13		
5.4	1812	256.89	1.56	R 97 RF97	4	29	340	48.23	1.24		
5.8	1699	240.83	1.66			32	305	43.30	1.39		
6.5	1523	215.94	1.85			38	263	37.30	1.61		
7.5	1312	185.97	2.1			40	247	35.07	1.71		
8.3	1192	169.06	2.4			46	213	30.18	1.99		
9.3	1064	150.78	2.7			52	190	26.97	2.2		
11	894	126.75	3.2			53	186	26.31	2.3		
12	822	116.48	3.4			56	176	24.99	2.4		
6.5	1527	216.54	0.95	R 87 RF87	4	64	155	21.93	2.7		
6.8	1451	205.71	1.00			75	131	18.60	3.2		
7.7	1282	181.77	1.14			83	118	16.79	3.6		
9.0	1096	155.34	1.33			29	337	47.75	0.84	R 47 RF47	4
9.8	1004	142.41	1.45			33	302	42.87	0.93		
11	881	124.97	1.65			38	260	36.93	1.08		
12	835	118.43	1.74			40	245	34.73	1.15		
14	731	103.65	1.99			47	211	29.88	1.34		
15	659	93.38	2.2			52	188	26.70	1.50		
17	578	81.92	2.5			59	166	23.59	1.69		
19	510	72.37	2.9			60	164	23.28	1.72		
22	448	63.50	3.3			64	154	21.81	1.83		
23	424	60.18	3.4			73	136	19.27	2.0		
27	372	52.67	3.9			78	126	17.89	2.2		
12	856	121.42	0.90	R 77 RF77	4	86	114	16.22	2.3		
14	726	102.99	1.06			96	103	14.56	2.4		
15	656	92.97	1.18			112	88	12.54	2.7		
17	577	81.80	1.34			119	83	11.79	2.8		
18	545	77.24	1.41			138	72	10.15	3.0		
21	464	65.77	1.66			154	64	9.07	3.2		
25	398	56.38	1.94			43	229	32.40	0.82	R 37 RF37	4
28	359	50.90	2.1			49	203	28.73	0.93		
31	316	44.78	2.4			57	172	24.42	1.09		
33	298	42.29	2.6			73	139	19.31	1.35		
39	254	36.01	3.0			78	130	18.05	1.45		
43	231	32.72	3.3			90	112	15.60	1.67		
16	607	86.11	0.93	R 67 RF67	4	106	95	13.25	1.87		
19	523	74.17	1.08			118	85	11.83	2.0		
20	492	69.75	1.15			138	73	10.11	2.2		
23	432	61.26	1.31			148	68	9.47	2.3		
25	401	56.89	1.41			176	57	7.97	2.6		
27	364	51.56	1.55			210	48	6.67	2.8		
30	326	46.29	1.73			247	41	5.67	3.3		
35	281	39.88	1.9			277	36	5.06	3.5		
37	265	37.50	2.0			72	139	19.35	0.88	R 27 RF27	4
43	228	32.27	2.2			77	130	18.08	0.94		
49	203	28.83	2.4			90	113	15.63	1.09		
50	201	28.13	2.5			105	96	13.28	1.25		
52	192	26.72	2.6			118	85	11.86	1.42		
60	169	23.44	3.1			138	73	10.13	1.57		
70	143	19.89	3.9			172	59	8.16	1.86		
						183	55	7.63	1.92		
						212	47	6.59	2.1		
						250	40	5.60	2.3		
						280	36	5.00	2.5		
						328	31	4.27	2.7		
						350	29	4.00	2.8		
						415	24	3.37	3.1		



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
1.1kW						1.5kW					
249	41	5.63	2.5	RX 77	4	1.3	10038	1090	0.75		
262	39	5.35	2.5	RXF77	4	1.4	9393	1020	0.80		
296	35	4.73	3.3			1.5	8758	951	0.86		
						1.6	8003	869	0.94		
201	51	4.53	1.50	RX 67	6	1.7	7653	831	0.98		
212	49	4.30	1.55	RXF67	6	1.9	6723	730	1.12		
241	43	3.77	1.92			2.0	6299	684	1.19	R 137R77	4
						2.2	5792	629	1.30	RF137R77	4
309	33	4.53	2.3			2.4	5479	595	1.37		
326	32	4.30	2.4			2.6	5056	549	1.49		
371	28	3.77	2.9			2.9	4512	490	1.67		
438	24	3.20	4.0			3.3	3941	428	1.91		
484	21	2.89	4.7	RX 67	4	3.7	3444	374	2.2		
551	19	2.54	5.9	RXF67	4	4.4	2919	317	2.6		
583	18	2.40	6.6								
686	15	2.04	8.4			2.6	4827	530	0.84		
753	14	1.86	8.7			2.7	4644	510	0.87		
870	12	1.61	9.1			2.9	4362	479	0.93		
1000	10	1.40	9.5			3.0	4216	463	0.96	R 107R77	4
						3.4	3697	406	1.09	RF107R77	4
240	43	3.79	1.5			3.9	3251	357	1.24		
256	40	3.55	1.6	RX 57	6	4.5	2850	313	1.42		
290	36	3.14	1.7	RXF57	6						
313	33	2.91	1.9			4.2	3060	336	0.92		
345	30	2.64	2.2			4.7	2696	296	1.05		
						5.6	2268	249	1.24	R 97R57	4
369	28	3.79	2.3			6.0	2131	234	1.32	RF97R57	4
394	26	3.55	2.5			6.7	1903	209	1.48		
446	23	3.14	2.6								
481	21	2.91	2.9			3.1	4413	226.11	0.92		
530	19	2.64	3.3	RX 57	4	3.5	3920	200.87	1.03	R 107	8
591	17	2.37	3.7	RXF57	4	4.1	3265	167.29	1.24	RF107	8
686	15	2.04	4.3			4.4	3045	156.04	1.32		
729	14	1.92	4.6								
848	12	1.65	5.3			3.7	3593	245.50	1.12		
946	11	1.48	5.9			4.1	3309	226.11	1.22		
1077	10	1.30	6.2			4.6	2940	200.87	1.37	R 107	6
						5.5	2449	167.29	1.65	RF107	6
700	15	2.00	1.02	RX 37	4	5.8	2304	156.04	1.77		
819	13	1.71	1.19	RXF37	4	6.6	2041	139.47	1.98		
875	12	1.60	1.27								
1.5kW						5.4	2417	256.89	1.14		
0.60	21246	2333	0.80			5.8	2316	240.83	1.22		
0.67	18987	2085	0.89			6.5	2077	215.94	1.36		
0.75	17093	1877	0.99			7.5	1789	185.97	1.58		
0.84	15208	1670	1.11	R 167R97	4	8.3	1626	169.06	1.73	R 97	4
0.96	13259	1456	1.28	RF167R97	4	9.3	1450	150.78	1.94	RF97	4
1.1	11802	1296	1.43			11	1219	126.75	2.3		
1.2	10354	1137	1.63			12	1120	116.48	2.5		
1.4	9213	1012	1.84			14	995	103.44	2.8		
						15	889	92.47	3.2		
3.2	3934	432	3.1	R 147R87	4						
3.8	3388	373	3.6	RF147R87	4						
						7.7	1748	181.77	0.83		
0.82	15527	1705	0.8			9.0	1494	155.34	0.98		
0.91	13988	1536	0.87			9.8	1370	142.41	1.06		
1.1	12103	1329	1.01			11	1202	124.97	1.21		
1.2	10618	1166	1.15			12	1139	118.43	1.28		
1.4	9371	1029	1.30	R 147R77	4	14	997	103.65	1.46		
1.6	8096	889	1.51	RF147R77	4	15	898	93.38	1.62	R 87	4
1.8	7140	784	1.71			17	788	81.92	1.85	RF87	4
2.0	6329	695	1.93			19	696	72.37	2.1		
2.3	5528	607	2.2			22	611	63.50	2.4		
2.6	4981	547	2.5			23	579	60.18	2.5		
						27	507	52.67	2.9		
						30	456	47.45	3.2		
						34	400	41.63	3.6		
						38	353	36.73	4.1		



R

Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole				
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p				
1.5kW						1.5kW									
15	894	92.97	0.86	R 77 RF77	4	73	186	19.31	1.01	R 37 RF37	4				
17	787	81.80	0.98			78	174	18.05	1.08						
18	743	77.24	1.04			90	150	15.60	1.25						
21	633	65.77	1.22			106	127	13.25	1.40						
25	542	56.38	1.42			118	114	11.83	1.51						
28	490	50.90	1.57			138	97	10.11	1.64						
31	431	44.78	1.79			148	91	9.47	1.72						
33	407	42.29	1.90			176	77	7.97	1.91						
39	346	36.01	2.2			210	64	6.67	2.1						
43	315	32.72	2.4			247	55	5.67	2.4						
49	273	28.35	2.8			277	49	5.06	2.6						
57	237	24.67	3.1			324	42	4.32	2.9						
60	225	23.37	3.4			346	39	4.05	2.9						
65	206	21.43	3.7			411	33	3.41	3.2						
74	181	18.80	4.1												
23	589	61.26	0.96	R 67 RF67	4	90	150	15.63	0.81	R 27 RF27	4				
25	547	56.89	1.03			105	128	13.28	0.96						
27	496	51.56	1.14			118	114	11.86	1.06						
30	445	46.29	1.27			138	97	10.13	1.18						
35	384	39.88	1.47			172	78	8.16	1.39						
37	361	37.50	1.56			183	73	7.63	1.43						
43	310	32.27	1.82			212	63	6.59	1.57						
49	277	28.83	2.0			250	54	5.60	1.73						
50	276	28.13	2.0			280	48	5.00	1.86						
52	262	26.72	2.1			328	41	4.27	1.99						
60	230	23.44	2.4			350	38	4.00	2.1						
70	195	19.89	2.9			415	32	3.37	2.3						
78	176	17.95	3.2												
26	523	53.22	0.8			R 57 RF57	4	249	54			5.63	1.91	RX 77 RXF77	4
29	474	48.23	0.9					262	51			5.35	1.88		
32	425	43.30	1.0	296	45			4.73	2.5						
38	366	37.30	1.15	347	39			4.04	3.5						
40	344	35.07	1.23	378	36			3.70	4.0						
46	296	30.18	1.43	431	31			3.25	5.5						
52	265	26.97	1.60	455	30			3.08	6.1						
53	258	26.31	1.64	519	26			2.70	7.8						
56	245	24.99	1.72	576	23			2.43	8.6						
64	215	21.93	1.96												
75	183	18.60	2.3	309	44			4.53	1.77	RX 67 RXF67	4				
83	165	16.79	2.6	326	41			4.30	1.82						
95	145	14.77	2.8	371	36			3.77	2.3						
100	137	13.95	2.9	438	31			3.20	3.1						
118	117	11.88	3.3	484	28			2.89	3.6						
						551	24	2.54	4.5						
38	355	36.93	0.8	R 47 RF47	4	583	23	2.40	5.0						
40	334	34.73	0.84			686	20	2.04	6.4						
47	287	29.88	0.98			753	18	1.86	6.6						
52	257	26.70	1.1			870	15	1.61	6.9						
59	227	23.59	1.2			1000	13	1.40	7.3						
60	224	23.28	1.26												
64	210	21.81	1.34			369	36	3.79	1.78	RX 57 RXF57	4				
73	185	19.27	1.50			394	34	3.55	1.90						
78	172	17.89	1.58			446	30	3.14	2.0						
86	156	16.22	1.66			481	28	2.91	2.3						
96	140	14.56	1.8			530	25	2.64	2.6						
112	121	12.54	1.9			591	23	2.37	2.8						
119	113	11.79	2.0			686	20	2.04	3.3						
138	98	10.15	2.1			729	18	1.92	3.5						
154	87	9.07	2.2			848	16	1.65	4.1						
175	77	8.01	2.3			946	14	1.48	4.5						
180	75	7.76	2.4			1077	13	1.30	4.7						
201	67	6.96	2.5												
233	58	6.00	2.5												
248	54	5.64	2.7												
289	47	4.85	3.0												
323	42	4.34	3.3												
366	37	3.83	3.7												



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
2.2kW						2.2kW					
0.85	21991	1670	0.8	R 167R97 RF167R97	4	5.8	3414	245.50	1.18	R 107 RF107	4
0.98	19173	1456	0.88			6.3	3145	226.11	1.29		
1.1	17066	1296	1.0			7.1	2744	200.87	1.45		
1.2	14972	1137	1.1			8.5	2327	167.29	1.74		
1.4	13326	1012	1.27			9.1	2170	156.04	1.86		
1.6	11483	872	1.47			10	1940	139.47	2.1		
1.8	10140	770	1.67			11	1746	125.55	2.3		
2.1	8744	664	1.9			12	1581	113.70	2.6		
2.6	7111	540	1.72	R 147R87 RF147R87	4	14	1402	100.82	2.9	R 97 RF97	4
3.1	6084	462	2.0			16	1286	91.16	3.2		
3.3	5689	432	2.1			6.6	3003	215.94	0.94		
3.8	4912	373	2.5			7.6	2586	185.97	1.09		
4.3	4346	330	2.8			8.4	2351	169.06	1.20		
1.2	15354	1166	0.80	R 147R77 RF147R77	4	9.4	2097	150.78	1.34		
1.4	13550	1029	0.90			11	1763	126.75	1.60		
1.6	11707	889	1.04			12	1620	116.48	1.74		
1.8	10324	784	1.18			14	1439	103.44	1.96		
2.0	9152	695	1.34			15	1286	92.48	2.2		
2.3	7993	607	1.53			17	1156	83.15	2.4		
2.6	7203	547	1.70			20	1004	72.17	2.8		
3.0	6321	480	1.93			22	906	65.12	3.1		
1.9	9721	730	0.77	R 137R77 RF137R77	4	24	832	59.84	3.4		
2.1	9108	684	0.83			27	739	53.14	3.8		
2.3	8376	629	0.90			30	661	47.51	4.3		
2.4	7923	595	0.95			11	1738	124.97	0.84	R 87 RF87	4
2.6	7311	549	1.03			12	1647	118.43	0.88		
2.9	6525	490	1.15			14	1442	103.65	1.01		
3.3	5699	428	1.32			15	1299	93.38	1.12		
3.8	4980	374	1.51			17	1139	81.92	1.28		
4.5	4221	317	1.78			20	1007	72.37	1.45		
5.0	3808	286	1.97			22	883	63.50	1.65		
5.6	3377	250	2.2			24	837	60.18	1.74		
6.4	2958	219	2.5			27	733	52.67	1.99		
3.9	4822	357	0.84	R 107R77 RF107R77	4	30	660	47.45	2.2		
4.4	4336	321	0.93			34	579	41.63	2.5		
4.5	4228	313	0.96			39	511	36.73	2.9		
5.1	3741	277	1.08			41	478	34.34	3.0		
5.5	3458	256	1.17			44	453	32.57	3.2		
6.7	2809	208	1.44			45	434	31.22	3.4		
6.0	3125	234	0.90	R 97R57	4	51	387	27.81	3.8		
6.7	2791	209	1.01	RF97R57	4	61	325	23.40	4.5		
3.2	6212	223.34	1.21	R 137 RF137	8	66	299	21.51	4.7		
3.8	5234	188.16	1.43			22	915	65.77	0.8	R 77 RF77	4
4.1	4851	174.4	1.55			25	784	56.38	1.0		
4.5	4348	156.31	1.73			28	708	50.90	1.1		
5.0	3925	141.12	1.92			32	623	44.78	1.2		
5.5	3565	128.18	2.1			34	588	42.29	1.31		
6.2	3163	113.72	2.4			39	501	36.01	1.54		
6.9	2871	103.2	2.6			43	455	32.72	1.69		
4.7	4220	200.87	0.96	R 107 RF107	6	50	394	28.35	1.95		
5.6	3515	167.29	1.15			58	343	24.67	2.1		
6.0	3278	156.04	1.23			61	325	23.37	2.4		
6.7	2930	139.47	1.38			66	298	21.43	2.6		
						76	261	18.80	2.8		
						80	248	17.82	3.0		
						91	217	15.60	3.2		
						101	195	14.05	3.5		

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R

Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole		
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p		
2.2kW						2.2kW							
36	555	39.88	0.98	R 67 RF67	4	300	69	4.73	1.69	RX 77 RXF77	4		
38	522	37.50	1.03			351	59	4.04	2.3				
44	449	32.27	1.13			384	54	3.70	2.7				
49	401	28.83	1.22			437	47	3.25	3.6				
61	326	23.44	1.61			461	45	3.08	4.1				
71	277	19.89	2.0			526	39	2.70	5.2				
79	250	17.95	2.2			584	35	2.43	5.7				
90	220	15.79	2.4			667	31	2.13	6.1				
95	207	14.91	2.5			755	27	1.88	6.4				
112	177	12.70	2.8			850	24	1.67	6.7				
123	160	11.54	2.9			1000	21	1.42	7.1				
142	139	10.00	3.2										
163	121	8.70	3.3										
182	108	7.79	3.4										
38	519	37.30	0.82	R 57 RF57	4	377	55	3.77	1.50	RX 67 RXF67	4		
40	488	35.07	0.87			444	46	3.20	2.0				
47	420	30.18	1.01			491	42	2.89	2.4				
53	375	26.97	1.13			559	37	2.54	3.0				
65	305	21.93	1.39			592	35	2.40	3.3				
76	259	18.60	1.64			696	30	2.04	4.3				
85	234	16.79	1.81			763	27	1.86	4.4				
96	205	14.77	1.99			882	23	1.61	4.6				
102	194	13.95	2.1			1014	20	1.40	4.8				
120	165	11.88	2.3										
132	150	10.79	2.4			452	46	3.14	1.34			RX 57 RXF57	4
152	130	9.35	2.7			538	38	2.64	1.69				
157	126	9.06	2.8			599	34	2.37	1.89				
178	111	7.97	3.0			696	30	2.04	2.2				
				740	28	1.92	2.3						
				861	24	1.65	2.7						
				959	21	1.48	3.0						
				1092	19	1.30	3.1						
74	268	19.27	1.03	R 47 RF47	4	3.0kW							
88	226	16.22	1.15			1.2	20417	1137	0.83	R 167R97 RF167R97	4		
98	203	14.56	1.23			1.4	18172	1012	0.93				
113	174	12.54	1.35			1.6	15658	872	1.08				
120	164	11.79	1.40			1.8	13827	770	1.22				
140	141	10.15	1.53			2.1	11923	664	1.42				
157	126	9.07	1.64			2.8	9158	510	1.85				
177	111	8.01	1.73										
183	108	7.76	1.42			2.6	9697	540	1.26	R 147R87 RF147R87	4		
204	97	6.96	1.54			3.1	8296	462	1.47				
237	83	6.00	1.76			3.3	7757	432	1.58				
252	78	5.64	1.86			3.8	6698	373	1.82				
293	67	4.85	2.1			4.3	5926	330	2.1				
327	60	4.34	2.3			5.0	5082	283	2.4				
371	53	3.83	2.5										
91	217	15.60	0.87			R 37 RF37	4	1.6	15963	889	0.8	R 147R77 RF147R77	4
107	184	13.25	0.97					1.8	14078	784	0.87		
120	165	11.83	1.05					2.0	12480	695	0.98		
140	141	10.11	1.14					2.3	10900	607	1.12		
150	132	9.47	1.19	2.6	9822			547	1.24				
178	111	7.97	1.32										
213	93	6.67	1.46	2.7	9388			517	0.80	R 137R77 RF137R77	4		
250	79	5.67	1.69	2.9	8898			490	0.85				
281	70	5.06	1.80	3.1	8226			453	0.91				
329	60	4.32	2.0	3.3	7772			428	0.97				
351	56	4.05	2.0	3.8	6791			374	1.11				
416	47	3.41	2.2	4.5	5756			317	1.31				
				5.0	5193			286	1.45				
				5.7	4540			250	1.66				
				6.5	3977			219	1.89				
140	141	10.13	0.81	R 27 RF27	4	5.6	4798	253	0.84	R 107R77 RF107R77	4		
215	92	6.59	1.09			5.8	4647	245	0.87				
254	78	5.60	1.19			6.8	3945	208	1.02				
284	70	5.00	1.28			7.8	3433	181	1.18				
333	59	4.27	1.38										
355	56	4.00	1.44										
421	47	3.37	1.58										



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
3.0kW						3.0kW					
3.2	8472	223.34	0.89	R 137 RF137	8	32	849	44.78	0.91	R 77 RF77	4
3.8	7137	188.16	1.05			34	802	42.29	0.96		
4.1	6615	174.40	1.14			39	683	36.01	1.13		
4.5	5929	156.31	1.27			43	621	32.72	1.24		
5.0	5353	141.12	1.40			50	538	28.35	1.43		
5.5	4862	128.18	1.55			58	468	24.67	1.57		
6.2	4314	113.72	1.74			61	443	23.37	1.74		
6.9	3914	103.20	1.92			66	406	21.43	1.90		
8.0	3364	88.70	2.20	R 137 RF137	6	76	357	18.80	2.1	R 67 RF67	4
4.3	6245	222.60	1.20			80	338	17.82	2.2		
5.1	5287	188.45	1.42			91	296	15.60	2.4		
5.5	4892	174.40	1.54			101	266	14.05	2.5		
6.1	4385	156.31	1.71			115	234	12.33	2.8		
6.8	3959	141.12	1.90			131	206	10.88	3.0		
7.5	3596	128.18	2.10			147	183	9.64	3.2		
8.4	3190	113.72	2.40			169	160	8.42	3.7		
9.3	2895	103.20	2.60	R 107 RF107	6	187	144	7.59	4.0	R 57 RF57	4
6.2	4377	156.04	0.92			213	126	6.66	4.3		
6.9	3913	139.47	1.03			61	445	23.44	1.18		
7.6	3522	125.55	1.15			71	377	19.89	1.50		
6.3	4288	226.11	0.94			79	340	17.95	1.63		
7.1	3810	200.87	1.06			90	299	15.79	1.76		
8.5	3172	167.29	1.27			95	283	14.91	1.8		
9.1	2959	156.04	1.37			112	241	12.70	2.0		
10	2645	139.47	1.53	R 107 RF107	4	123	219	11.54	2.1	R 47 RF47	4
11	2381	125.55	1.70			142	190	10.00	2.3		
12	2156	113.70	1.87			53	511	26.97	0.8		
14	1912	100.82	2.1			65	416	21.93	1.02		
16	1729	91.16	2.3			76	353	18.60	1.20		
18	1465	77.26	2.8			85	318	16.79	1.33		
20	1366	72.00	3.0			96	280	14.77	1.46		
9.4	2860	150.78	0.99	R 97 RF97	4	102	265	13.95	1.53		
11	2404	126.75	1.17			120	225	11.88	1.69		
12	2209	116.48	1.28			132	205	10.79	1.79		
14	1962	103.44	1.44			152	177	9.35	2.0		
15	1754	92.48	1.61			157	172	9.06	2.1		
17	1577	83.15	1.79			178	151	7.97	2.2		
20	1369	72.17	2.1			189	143	7.53	2.3		
22	1235	65.12	2.3	R 87 RF87	4	222	122	6.41	2.6		
24	1135	59.84	2.5			244	110	5.82	2.7		
27	1008	53.14	2.8			281	96	5.05	3.0		
30	901	47.51	3.1			323	83	4.39	3.2		
33	810	42.72	3.5			88	308	16.22	0.84	R 37 RF37	4
38	703	37.08	4.0			98	276	14.56	0.90		
43	630	33.20	4.3			113	238	12.54	0.99		
15	1771	93.38	0.82			120	224	11.79	1.03		
17	1554	81.92	0.94			140	192	10.15	1.12		
20	1373	72.37	1.06			157	172	9.07	1.20		
22	1204	63.50	1.21			177	152	8.01	1.27		
24	1141	60.18	1.28			183	147	7.76	1.04		
27	999	52.67	1.46	R 87 RF87	4	204	132	6.96	1.13	R 37 RF37	4
30	900	47.45	1.62			237	114	6.00	1.29		
34	790	41.63	1.85			252	107	5.64	1.36		
39	697	36.73	2.1			293	92	4.85	1.53		
41	651	34.34	2.2			327	82	4.34	1.67		
44	618	32.57	2.4			371	73	3.83	1.86		
45	592	31.22	2.5			140	192	10.11	0.83		
51	528	27.84	2.8			150	180	9.47	0.87		
53	527	27.81	2.8	R 87 RF87	4	178	151	7.97	0.97		
61	444	23.40	3.3			213	126	6.67	1.07		
66	408	21.51	3.5			250	108	5.67	1.24		
74	362	19.10	3.6			281	96	5.06	1.32		
83	324	17.08	4.0			329	82	4.32	1.45		
93	291	15.35	4.3			351	77	4.05	1.49		
						416	65	3.41	1.63		



R

Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole								
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p								
3.0kW						4.0kW													
254	106	5.60	0.88	R 27 RF27	4	3.8	8877	376	0.85	R 137R77 RF137R77	4								
284	95	5.00	0.94			3.9	8830	374	0.85										
333	81	4.27	1.01			4.2	8004	339	0.94										
355	76	4.00	1.05			4.5	7484	317	1.00										
421	64	3.37	1.2			4.8	7012	297	1.07										
109	258	6.47	4.31	RX 127 RXF127	8	5.0	6752	286	1.11			5.8	5902	250	1.27	6.6	5171	219	1.45
220	127	6.44	1.42	RX 87 RXF87	4	7.5	4509	191	0.90			R 107R77 RF107R77	4						
256	110	5.55	1.92			8.0	4273	181	0.95			8.6	3943	167	1.03	4			
281	100	5.05	2.3			R 147 RF147	8	4.4	8152	163.46	1.50	R 137 RF137	8						
316	89	4.50	3.1					4.9	7324	146.85	1.67								
376	75	3.78	3.8					6.0	5946	119.24	2.0								
300	94	4.73	1.24	6.5	5487			110.03	2.2										
351	80	4.04	1.68	RX 77 RXF77	4	4.1	8698	174.40	0.86	R 137 RF137	8								
384	73	3.70	1.97			4.6	7796	156.31	0.96										
437	64	3.25	2.7			5.1	7038	141.12	1.07										
461	61	3.08	3.0			5.6	6393	128.18	1.18										
377	75	3.77	1.10			6.3	5671	113.72	1.33										
444	63	3.20	1.49	RX 67 RXF67	4	7.0	5147	103.20	1.46	R 137 RF137	6								
491	57	2.89	1.74			4.3	8354	223.34	0.90										
559	50	2.54	2.2			5.1	7038	188.16	1.07										
592	47	2.40	2.4			5.5	6523	174.40	1.15										
696	40	2.04	3.1			6.1	5847	156.31	1.29										
763	37	1.86	3.2	RX 57 RXF57	4	6.8	5278	141.12	1.42	R 107 RF107	4								
882	32	1.61	3.4			7.5	4794	128.18	1.57										
1014	28	1.40	3.5			8.4	4254	113.72	1.77										
452	62	3.14	0.98			9.3	3860	103.2	1.95										
538	52	2.64	1.24			11	3318	88.70	2.3										
599	47	2.37	1.38	RX 167R97 RF167R97	4	9	4172	167.29	0.97	R 97 RF97	4								
696	40	2.04	1.61			10	3891	156.04	1.04										
740	38	1.92	1.71			11	3478	139.47	1.16										
861	33	1.65	1.99			12	3131	125.55	1.29										
959	29	1.48	2.2			13	2835	113.70	1.43										
1092	26	1.30	2.3	14	2514	100.82	1.61	R 147R87 RF147R87	4										
4.0kW						16	2273					91.16	1.78						
1.7	20588	872	0.82	19	1927	77.26	2.1												
1.9	18179	770	0.93	20	1795	72.00	2.3												
2.2	15677	664	1.08	22	1616	64.81	2.5												
2.8	12041	510	1.41	25	1464	58.69	2.8												
3.8	8972	380	1.89	28	1298	52.05	3.1												
4.3	7980	338	2.1	12	2905	116.48	0.97					R 147R77 RF147R77	4						
2.7	12749	540	0.96	14	2579	103.44	1.09												
3.1	10908	462	1.12	16	2306	92.48	1.22												
3.3	10199	432	1.20	17	2073	83.15	1.36												
3.9	8806	373	1.39	20	1800	72.17	1.57												
4.4	7791	330	1.57	22	1624	65.12	1.74												
5.1	6682	283	1.83	24	1492	59.84	1.89												
5.8	5902	250	2.1	27	1325	53.14	2.1												
6.7	5100	216	2.4	30	1185	47.51	2.4												
7.5	4509	191	2.7	34	1065	42.72	2.6												
8.9	3801	161	3.2	39	925	37.08	3.0												
2.4	14331	607	0.85	43	828	33.20	3.2	R 147R77 RF147R77	4										
2.6	12915	547	0.95	45	803	32.22	3.3												
3.0	11333	480	1.08	54	669	26.84	3.6												
3.5	9609	407	1.27	58	624	25.03	4.3												
						64	558			22.37	4.6								
						71	502			20.14	4.9								
						78	455			18.24	6.2								



Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole		
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p		
4.0kW						4.0kW							
23	1583	63.5	0.92	R 87 RF87	4	142	253	10.15	0.85	R 47 RF47	4		
24	1501	60.18	0.97			159	226	9.07	0.86				
27	1313	52.67	1.11			180	200	8.01	0.91				
30	1183	47.45	1.23			207	174	6.96	0.96				
35	1038	41.63	1.40			240	150	6.00	0.98				
39	916	36.73	1.59			255	141	5.64	1.04				
42	856	34.34	1.70			297	121	4.85	1.17				
44	812	32.57	1.79			332	108	4.34	1.27				
46	779	31.22	1.87			376	96	3.83	1.42				
52	694	27.84	2.1										
53	693	27.81	2.2			109	344	6.47	3.23	RX 127	8		
62	584	23.40	2.5			121	310	5.88	3.59	RXF127	8		
67	536	21.51	2.7										
75	476	19.10	3.1			147	254	6.47	4.37	RX 127 RXF127	6 6		
84	426	17.08	3.1										
94	383	15.35	3.3			259	144	5.55	1.46	RX 87 RXF87	4		
108	332	13.33	3.6			285	131	5.05	1.78				
121	297	11.93	3.9			320	117	4.50	2.3				
						381	98	3.78	2.9				
40	898	36.01	0.86	R 77 RF77	4	356	105	4.04	1.28	RX 77 RXF77	4		
44	816	32.72	0.94			389	96	3.70	1.50				
51	707	28.35	1.09			443	84	3.25	2.0				
58	615	24.67	1.19			468	80	3.08	2.3				
62	583	23.37	1.32			533	70	2.70	2.9				
67	534	21.43	1.44			593	63	2.43	3.2				
77	469	18.80	1.56			676	55	2.13	3.4				
81	444	17.82	1.65			766	49	1.88	3.6				
92	389	15.60	1.79			862	43	1.67	3.7				
102	350	14.05	1.93			1014	37	1.42	3.9				
117	307	12.33	2.1										
132	271	10.88	2.3			450	83	3.20	1.13	RX 67 RXF67	4		
149	240	9.64	2.5			498	75	2.89	1.33				
171	210	8.42	2.8			567	66	2.54	1.68				
190	189	7.59	3.0			600	62	2.40	1.85				
216	166	6.66	3.3			706	53	2.04	2.4				
245	147	5.88	3.5			774	48	1.86	2.4				
276	130	5.21	3.7			894	42	1.61	2.6				
						1029	36	1.40	2.7				
72	496	19.89	1.14	R 67 RF67	4	545	69	2.64	0.95	RX 57 RXF57	4		
80	448	17.95	1.24			608	62	2.37	1.05				
91	394	15.79	1.34			706	53	2.04	1.22				
97	372	14.91	1.39			750	50	1.92	1.30				
113	317	12.70	1.54			873	43	1.65	1.51				
125	288	11.54	1.63			973	38	1.48	1.66				
144	249	10.00	1.77			1108	34	1.30	1.75				
166	217	8.70	1.91										
185	194	7.79	1.84										
196	184	7.36	1.90										
230	156	6.27	2.0										
253	142	5.70	2.1										
292	123	4.93	2.2										
336	107	4.29	2.4										
						5.5kW							
77	464	18.60	0.91	R 57 RF57	4	2.2	21556	664	0.80	R 167R97 RF167R97	4		
86	419	16.79	1.01			2.5	18764	578	0.90				
97	368	14.77	1.11			2.8	16556	510	1.02				
103	348	13.95	1.16			3.3	14219	438	1.19				
121	296	11.88	1.29			3.8	12336	380	1.37				
133	269	10.79	1.36			4.3	10973	338	1.54				
154	233	9.35	1.49			4.7	9966	307	1.70				
159	226	9.06	1.56			5.1	9155	282	1.85				
181	199	7.97	1.68										
191	188	7.53	1.75			3.1	14998	462	0.81	R 147R87 RF147R87	4		
225	160	6.41	1.97			3.3	14024	432	0.87				
247	145	5.82	2.1			3.9	12109	373	1.01				
285	126	5.05	2.3			4.4	10713	330	1.14				
328	109	4.39	2.4			5.1	9187	283	1.33				
						5.8	8116	250	1.51				
						6.7	7012	216	1.74				
						7.5	6201	191	1.97				



R

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
5.5kW						5.5kW					
3.7	12752	196.41	1.32	R 167 RF167	8	45	1105	32.22	2.2	R 97 RF97	4
4.5	10440	160.80	1.63			54	920	26.84	2.6		
5.5	8469	130.44	1.99			58	858	25.03	3.1		
6.0	7855	120.99	2.17			64	767	22.37	3.3		
6.9	6779	104.41	2.50			71	691	20.14	3.6		
						79	625	18.24	3.8		
						89	554	16.17	4.1		
4.4	10613	163.46	1.15	R 147 RF147	8	30	1627	47.45	0.90	R 87 RF87	4
4.9	9534	146.85	1.28			35	1427	41.63	1.02		
6.0	7742	119.24	1.57			39	1259	36.73	1.16		
6.6	7144	110.03	1.72			44	1117	32.57	1.30		
5.9	7960	163.46	1.54	R 147 RF147	6	52	955	27.84	1.53		
6.5	7151	146.85	1.71			53	954	27.81	1.53		
8.0	6133	119.24	2.0			62	802	23.40	1.82		
8.8	5659	110.03	2.2			67	738	21.51	2.0		
10	4865	94.60	2.5			75	655	19.10	2.1		
12	4293	83.47	2.8			84	586	17.08	2.2		
5.6	8790	128.18	0.86	R 137 RF137	8	94	526	15.35	2.4		
6.3	7798	113.72	0.96			108	457	13.33	2.6		
7.0	7077	103.2	1.06			121	409	11.93	2.8		
8.1	6083	88.70	1.24			145	339	9.90	3.3		
5.5	8970	174.40	0.84	R 137 RF137	6	156	317	9.25	3.6		
6.1	8039	156.31	0.94			173	285	8.32	3.8		
6.8	7258	141.12	1.04			199	248	7.22	4.1		
7.5	6592	128.18	1.14			77	645	18.80	1.14	R 77 RF77	4
8.4	5849	113.72	1.29			81	611	17.82	1.20		
9.3	5308	103.20	1.42			92	535	15.60	1.30		
6.4	7658	223.34	0.98	R 137 RF137	4	102	482	14.05	1.40		
7.7	6451	188.16	1.17			117	423	12.33	1.53		
8.3	5980	174.40	1.26			132	373	10.88	1.66		
9.2	5359	156.31	1.40			149	331	9.64	1.79		
10	4839	141.12	1.55			171	289	8.42	2.1		
11	4395	128.18	1.71			190	260	7.59	2.2		
13	3899	113.72	1.93			216	228	6.66	2.4		
14	3538	103.20	2.1			245	202	5.88	2.52		
16	3041	88.70	2.5			276	179	5.21	2.68		
18	2774	80.91	2.7			91	541	15.79	0.97	R 67 RF67	4
20	2520	73.49	3.0			97	511	14.91	1.01		
22	2236	65.20	3.4			113	435	12.70	1.12		
24	2029	59.17	3.7			125	396	11.54	1.19		
28	1744	50.86	4.3			144	343	10.00	1.29		
11	4305	125.55	0.94	R 107 RF107	4	166	298	8.70	1.34		
13	3898	113.70	1.04			185	267	7.79	1.38		
14	3457	100.82	1.17			196	252	7.36	1.39		
16	3126	91.16	1.29			230	215	6.27	1.44		
19	2649	77.26	1.54			253	195	5.70	1.49		
20	2469	72.00	1.64			292	169	4.93	1.61		
22	2222	64.84	1.82			336	147	4.29	1.73		
25	2012	58.69	2.01			97	506	14.77	0.81	R 57 RF57	4
28	1785	52.05	2.3			103	478	13.95	0.85		
31	1614	47.06	2.5			121	407	11.88	0.93		
36	1367	39.88	3.0			133	370	10.79	0.99		
17	2851	83.15	0.99	R 97 RF97	4	154	321	9.35	1.08		
20	2475	72.17	1.14			181	273	7.97	1.22		
22	2233	65.12	1.26			191	258	7.53	1.27		
24	2052	59.84	1.37			225	220	6.41	1.43		
27	1822	53.14	1.55			247	200	5.82	1.51		
30	1629	47.51	1.73			285	173	5.05	1.66		
34	1465	42.72	1.93			328	151	4.39	1.75		
39	1271	37.08	2.2			297	166	4.85	0.85	R 47 RF47	4
43	1138	33.20	2.4			332	149	4.34	0.92		
52	944	27.54	2.7			376	131	3.83	1.03		



Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p
5.5kW						7.5kW					
116	443	6.22	3.79	RX 157 RXF157	8 8	4.4	14408	330	0.85	R 147R87 RF147R87	4 4
123	420	5.88	2.64	RX 127 RXF127	8 8	5.2	12356	283	0.99		
147	350	6.47	3.18	RX 127 RXF127	6 6	5.8	10915	250	1.12		
164	315	5.88	3.53			6.8	9431	216	1.30		
182	283	5.28	3.92			7.6	8339	191	1.47		
217	238	6.65	1.82	RX 107 RXF107	4 4	9.1	7030	161	1.74	R 167 RF167	4 4
257	200	5.60	2.14			3.7	18366	196.41	0.92		
277	186	5.19	3.52			4.5	15036	160.80	1.13		
310	166	4.65	3.93			5.5	12197	130.44	1.39		
247	208	5.82	1.9	RX 97 RXF97	4 4	6.0	11314	120.99	1.50		
297	173	4.85	2.1			6.9	9763	104.41	1.73		
319	162	4.52	3.5			4.9	13775	196.41	1.23		
356	144	4.04	3.9			6.0	11277	160.80	1.50		
396	130	3.64	4.3			7.4	9145	130.44	1.84		
436	118	3.30	4.7			7.9	8485	120.99	1.99		
493	104	2.92	5.4			9.2	7323	104.41	2.31		
545	94	2.64	5.9			10	6462	92.14	2.6		
643	80	2.24	7.0			12	5602	79.88	3.0		
735	70	1.96	7.6			14	4984	71.07	3.4		
878	59	1.64	8.1			15	4487	63.98	3.8		
1014	51	1.42	8.4	16	4103	58.51	4.1	R 147 RF147	8 8		
320	161	4.50	1.7	4.4	15285	163.46	0.80				
381	135	3.78	2.1	4.9	13732	146.85	0.89				
414	124	3.48	3.1	6.0	11150	119.24	1.09				
466	110	3.09	3.4	6.6	10289	110.03	1.20				
522	99	2.76	3.9	RX 87 RXF87	4 4	5.9	11464	163.46	1.07	R 147 RF147	6 6
581	89	2.48	4.3			6.5	10299	146.85	1.19		
670	77	2.15	4.7			8.0	8363	119.24	1.45		
443	116	3.25	1.47			8.8	7717	110.03	1.59		
468	110	3.08	1.65			10	6635	94.60	1.84		
533	97	2.70	2.1			12	5854	83.47	2.1		
593	87	2.43	2.3			7.7	8677	188.16	0.87	R 137 RF137	4 4
676	76	2.13	2.5	8.4	8042	174.40	0.94				
766	67	1.88	2.6	9.3	7208	156.31	1.04				
862	60	1.67	2.7	10	6508	141.12	1.16				
1014	51	1.42	2.9	11	5911	128.18	1.27				
567	91	2.54	1.22	RX 77 RXF77	4 4	13	5244	113.72	1.43	R 107 RF107	4 4
600	86	2.40	1.35			14	4759	103.20	1.58		
706	73	2.04	1.73			16	4090	88.70	1.84		
774	66	1.86	1.78			18	3731	80.91	2.0		
894	58	1.61	1.86			20	3389	73.49	2.2		
1029	50	1.40	2.0			22	3007	65.20	2.5		
706	73	2.04	0.89			25	2729	59.17	2.8	R 167R97 RF167R97	4 4
750	69	1.92	0.95	29	2345	50.86	3.2				
873	59	1.65	1.10	16	4204	91.16	0.96				
973	53	1.48	1.21	19	3563	77.26	1.13				
1108	46	1.30	1.27	20	3320	72.00	1.22				
7.5kW						23	2989	64.81	1.35		
2.9	22268	510	0.80	R 167R97 RF167R97	4 4	25	2706	58.69	1.49		
3.3	19124	438	0.88			28	2400	52.05	1.68		
3.8	16591	380	1.02			31	2170	47.06	1.86		
4.3	14758	338	1.15			37	1839	39.88	2.2		
4.8	13404	307	1.26			42	1607	34.84	2.5		
5.2	12313	282	1.37			48	1404	30.44	2.9		
						50	1344	29.14	3.0		
						54	1257	27.25	3.2		
						59	1134	24.60	3.6		
						65	1030	22.34	3.9		



R

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
7.5kW						7.5kW					
24	2760	59.84	1.02	R 97 RF97	4	123	572	5.88	2.94	RX 127	6
27	2451	53.14	1.15			136	515	5.28	3.26	RXF127	6
31	2191	47.51	1.29			167	420	4.29	4.0		
34	1970	42.72	1.43			221	318	6.47	3.49	RX 127	4
39	1710	37.08	1.65			245	286	5.88	3.88	RXF127	4
44	1531	33.20	1.72			220	320	6.65	1.35	RX 107 RXF107	4
45	1486	32.22	1.77			260	269	5.60	1.59		
53	1270	27.54	1.94			281	250	5.19	2.6		
54	1238	26.84	1.98			314	224	4.65	2.9		
58	1154	25.03	2.30			348	202	4.20	3.9		
65	1032	22.37	2.48	R 87 RF87	4	251	280	5.82	1.41	RX 97 RXF97	4
72	929	20.14	2.64			301	233	4.85	1.59		
80	841	18.24	2.79			323	217	4.52	2.6		
40	1694	36.73	0.86			361	194	4.04	2.9		
45	1502	32.57	0.97			401	175	3.64	3.2		
52	1284	27.84	1.13			442	159	3.30	3.5		
53	1282	27.81	1.1			500	140	2.92	4.0		
62	1079	23.40	1.35			324	216	4.50	1.26	RX 87 RXF87	4
68	992	21.51	1.42			386	182	3.78	1.58		
76	881	19.10	1.54			420	167	3.48	2.3		
85	788	17.08	1.66			472	149	3.09	2.6		
95	708	15.35	1.78			529	133	2.76	2.9		
110	615	13.33	1.96			589	119	2.48	3.2		
122	550	11.93	2.1			679	103	2.15	3.5		
147	457	9.90	2.4			756	93	1.93	3.6		
158	427	9.25	2.7			913	77	1.60	3.8		
175	384	8.32	2.8			1050	67	1.39	4.1		
202	333	7.22	3.0	R 77 RF77	4	449	156	3.25	1.09	RX 77 RXF77	4
226	298	6.47	3.2			474	148	3.08	1.23		
272	247	5.36	3.5			541	130	2.70	1.56		
78	867	18.80	0.85			601	117	2.43	1.73		
82	822	17.82	0.89			685	102	2.13	1.84		
94	719	15.60	0.97			777	90	1.88	1.94		
104	648	14.05	1.04			874	80	1.67	2.0		
118	569	12.33	1.14			1028	68	1.42	2.1		
134	502	10.88	1.24			575	122	2.54	0.91	RX 67 RXF67	4
151	445	9.64	1.33			608	115	2.40	1.00		
173	388	8.42	1.53			716	98	2.04	1.28		
192	350	7.59	1.64			785	89	1.86	1.32		
219	307	6.66	1.78			907	77	1.61	1.38		
248	271	5.88	1.87	R 67 RF67	4	1043	67	1.40	1.45		
280	240	5.21	2.00			11kW					
115	586	12.70	0.83			4.9	18891	295	0.90	R 167R107 RF167R107	4
127	532	11.54	0.88			5.1	18379	287	0.92		
146	461	10.00	0.96			5.2	17994	281	0.94		
168	401	8.70	0.99			6.1	15241	238	1.11		
187	359	7.79	1.02			7.0	13320	208	1.27		
198	339	7.36	1.03			8.3	11271	176	1.50		
233	289	6.27	1.07	R 57 RF57	4	4.3	21645	338	0.80	R 167R97 RF167R97	4
256	263	5.70	1.11			4.8	19659	307	0.86		
296	227	4.93	1.20			5.2	18059	282	0.94		
340	198	4.29	1.28			5.8	16009	250	0.80	R 147R87 RF147R87	4
183	368	7.97	0.91			6.8	13832	216	0.88		
194	347	7.53	0.95			7.6	12231	191	1.00		
228	296	6.41	1.07	RX 127 RXF127	8	9.1	10310	161	1.19		
251	268	5.82	1.12			9.2	10182	159	1.20		
289	233	5.05	1.23								
333	202	4.39	1.30								
123	572	5.88	1.94	RX 157 RXF157	6						
156	449	6.22	3.74								



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
11kW						11kW					
6.0	16540	160.80	1.02	R 167 RF167	6	135	732	10.83	2.7	R 97 RF97	4
7.4	13417	130.44	1.26		6	158	626	9.26	3.0		4
7.9	12445	120.99	1.36		6	174	566	8.37	3.4		4
9.2	10740	104.41	1.58		6	206	480	7.09	3.9		4
						235	419	6.20	4.2		
7.4	13284	196.41	1.27	R 167 RF167	4	68	1455	21.51	0.97	R 87 RF87	4
9.1	10876	160.80	1.56		4	76	1292	19.10	1.05		4
11	8822	130.44	1.91		4	85	1155	17.08	1.13		4
12	8183	120.99	2.07		4	95	1038	15.35	1.21		4
14	7062	104.41	2.4		4	110	902	13.33	1.33		4
16	6232	92.14	2.7		4	122	807	11.93	1.43		4
18	5403	79.88	3.1		4	147	670	9.90	1.66		4
21	4807	71.07	3.5		4	158	626	9.25	1.82		4
6.5	15105	146.85	0.81	R 147 RF147	6	175	563	8.32	1.94		
8.1	12265	119.24	1.0		6	202	488	7.22	2.1		
8.7	11318	110.03	1.08		6	226	438	6.47	2.2		
10	9731	94.60	1.26		6	272	363	5.36	2.4		
12	8586	83.47	1.42		6						
8.9	11056	163.46	1.11	R 147 RF147	4	134	736	10.88	0.84	R 77 RF77	4
10	9932	146.85	1.23		4	151	652	9.64	0.91		4
12	8065	119.24	1.52		4	192	513	7.59	1.12		4
13	7442	110.03	1.64		4	219	450	6.66	1.21		4
15	6398	94.60	1.91		4	248	398	5.88	1.28		4
17	5645	83.47	2.2		4	280	352	5.21	1.36		4
20	4876	72.09	2.5		4	191	539	5.05	3.12	RX 157 RXF157	6
22	4508	66.65	2.7		4	209	492	4.68	3.41		6
24	4129	61.50	3.0		4	240	429	4.04	3.92		6
28	3576	52.87	3.4		4						
10	9545	141.12	0.80	R 137 RF137	4	235	437	6.22	3.84	RX 157 RXF157	4
11	8669	128.18	0.87		4						4
13	7691	113.72	0.98		4	249	414	5.88	2.68	RX 127 RXF127	4
14	6980	103.2	1.08		4	277	372	5.28	2.98		4
16	5999	88.70	1.25		4	339	304	4.29	3.65		4
18	5472	80.91	1.37		4	372	277	3.95	4.01		4
20	4970	73.49	1.51		4	281	366	5.19	1.79	RX 107 RXF107	4
22	4410	65.20	1.71		4	314	328	4.65	1.99		4
25	4002	59.17	1.88		4	348	296	4.20	2.63		4
29	3440	50.86	2.2		4	383	269	3.81	2.90		4
33	3002	44.39	2.5		4	432	238	3.38	3.27		4
39	2540	37.65	3.0		4	476	216	3.07	3.60		4
44	2226	32.91	3.4		4	553	186	2.64	4.19		4
23	4383	64.81	0.92	R 107 RF107	4	323	319	4.52	1.75	RX 97 RXF97	4
25	3969	58.69	1.02		4	361	285	4.04	1.96		4
28	3520	52.05	1.15		4	401	257	3.64	2.2		4
31	3183	47.06	1.27		4	442	233	3.30	2.4		4
37	2697	39.88	1.50		4	500	206	2.92	2.7		4
42	2356	34.84	1.72		4	553	186	2.64	3.0		4
48	2059	30.44	1.96		4	652	158	2.24	3.5		4
50	1971	29.14	2.1		4	745	138	1.96	3.9		4
54	1843	27.25	2.2		4	890	116	1.64	4.1	RX 87 RXF87	4
59	1664	24.60	2.4		4	1028	110	1.42	4.3		4
65	1511	22.34	2.7		4	420	245	3.48	1.55		4
74	1341	19.82	3.0		4	472	218	3.09	1.75		4
81	1217	17.99	3.3		4	529	195	2.76	1.96		4
34	2889	42.72	0.98	R 97 RF97	4	589	175	2.48	2.2		4
39	2508	37.08	1.12		4	679	152	2.15	2.4		4
44	2245	33.20	1.21		4	756	136	1.93	2.5		4
53	1863	27.54	1.35		4	913	113	1.60	2.6		4
58	1693	25.03	1.57		4	1050	98	1.39	2.8		4
65	1513	22.37	1.69		4	601	171	2.43	1.18	RX 77 RXF77	4
72	1362	20.14	1.80		4	685	150	2.13	1.25		4
80	1234	18.24	1.90		4	777	133	1.88	1.33		4
90	1094	16.17	2.1		4	874	118	1.67	1.38		4
100	989	14.62	2.2		4	1028	100	1.42	1.46		4
118	838	12.39	2.5		4						



R

Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole		
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p		
15kW						15kW							
6.1	20783	238	0.81	R 167R107 RF167R107	4	53	2540	27.54	1.1	R 97 RF97	4		
6.5	19560	224	0.87			58	2309	25.03	1.15				
7.0	18163	208	0.93			65	2063	22.37	1.24				
7.5	17028	195	0.99			72	1858	20.14	1.32				
8.3	15369	176	1.10			80	1682	18.24	1.40				
7.4	18201	130.44	0.93	R 167 RF167	6	90	1491	16.17	1.51				
8.0	16883	120.99	1.00			100	1348	14.62	1.6				
9.2	14569	104.41	1.16			118	1143	12.39	1.8				
11	12857	92.14	1.32			135	999	10.83	2.0				
						158	854	9.26	2.4				
7.4	18115	196.41	0.93	R 167 RF167	4	174	772	8.37	2.5	R 87 RF87	4		
9.1	14830	160.80	1.14			206	654	7.09	2.9				
11	12030	130.44	1.41			235	572	6.20	3.1				
12	11159	120.99	1.52			85	1575	17.08	0.89				
14	9630	104.41	1.76			95	1416	15.35	0.98				
16	8498	92.14	1.99			110	1229	13.33	1.05				
18	7367	79.88	2.3			122	1100	11.93	1.13				
21	6555	71.07	2.6			147	913	9.90	1.21				
23	5901	63.98	2.9			158	853	9.25	1.33				
25	5396	58.51	3.1			175	767	8.32	1.42				
8.8	15353	110.03	0.80	R 147 RF147	6	202	666	7.22	1.51	RX 157 RXF157	4		
10	13200	94.60	0.93			226	597	6.47	1.61				
12	11647	83.47	1.05			272	494	5.36	1.73				
13	10059	72.09	1.21			287	488	5.05	3.44				
14	9300	66.65	1.31			315	446	4.68	3.77				
8.9	15076	163.46	0.81	R 147 RF147	4	361	388	4.04	3.32	RX 127 RXF127	4		
9.9	13544	146.86	0.90			372	378	3.95	2.94				
12	10997	119.24	1.11			281	479	5.19	1.36	RX 107 RXF107	4		
13	10148	110.03	1.20			314	429	4.65	1.52				
15	8725	94.60	1.40			348	387	4.20	2.0				
17	7698	83.47	1.59			383	351	3.81	2.2				
20	6649	72.09	1.84			432	325	3.38	2.4				
22	6147	66.65	1.99			476	295	3.07	2.6				
24	5631	61.50	2.2			553	254	2.64	3.1				
28	4876	52.87	2.5			635	221	2.30	3.5				
31	4303	46.65	2.8			749	188	1.95	3.8				
14	9518	103.2	0.8			854	164	1.71	4.0			RX 97 RXF97	4
16	8181	88.70	0.92			1014	138	1.44	4.4				
18	7462	80.91	1.01			323	435	4.52	1.3				
20	6778	73.49	1.11	361	388	4.04	1.4						
22	6013	65.20	1.25	401	350	3.64	1.6						
25	5457	59.17	1.38	442	317	3.30	1.8						
29	4691	50.86	1.60	500	281	2.92	2.0						
33	4094	44.39	1.84	553	254	2.64	2.2						
39	3472	37.65	2.2	652	215	2.24	2.6						
44	3035	32.91	2.5	745	188	1.96	2.8						
52	2567	27.83	2.9	890	158	1.64	3.0						
31	4340	47.06	0.9	1028	137	1.42	3.1	RX 87 RXF87	4				
37	3678	39.88	1.10	420	335	3.48	1.14						
42	3213	34.84	1.26	472	297	3.09	1.28						
48	2807	30.44	1.44	529	265	2.76	1.43						
50	2688	29.14	1.50	589	238	2.48	1.60						
54	2513	27.25	1.61	679	207	2.15	1.75						
59	2269	24.60	1.78	756	186	1.93	1.80						
65	2060	22.34	1.96	913	154	1.60	1.92						
74	1828	19.82	2.2	1050	134	1.39	2.0						
81	1659	17.99	2.4										
94	1426	15.46	2.8										
108	1245	13.50	3.2										



Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p
18.5kW						18.5kW					
9.1	18291	160.80	0.93	R 167 RF167	4	110	1516	13.33	0.8	R 87 RF87	4
11	14838	130.44	1.13			122	1357	11.93	0.85		
12	13763	120.99	1.24			147	1126	9.90	0.98		
14	11877	104.41	1.42			158	1052	9.25	1.08		
16	10481	92.14	1.61			175	946	8.32	1.15		
18	9086	79.88	1.86			202	821	7.22	1.22		
21	8084	71.07	2.1			226	736	6.47	1.30		
23	7278	63.98	2.3			272	610	5.36	1.40		
25	6655	58.51	2.5								
29	5791	50.91	2.9								
						317	547	4.68	3.07	RX 157	4
						364	476	4.04	3.53	RXF157	4
						412	420	3.57	4.0		
12	13564	119.24	0.90	R 147 RF147	4	348	478	4.20	1.63	RX 107 RXF107	4
13	12516	110.03	0.98			383	452	3.81	1.73		
15	10761	94.60	1.14			432	401	3.38	1.95		
17	9495	83.47	1.29			476	364	3.07	2.1		
20	8200	72.09	1.49			553	313	2.64	2.5		
22	7581	66.65	1.61			635	273	2.30	2.9		
24	6944	61.50	1.76			749	231	1.95	3.1		
28	6014	52.87	2.0			854	203	1.71	3.3		
31	5306	46.65	2.3			1014	171	1.44	3.6		
36	4583	40.29	2.7								
18	9203	80.91	0.82	R 137 RF137	4	401	432	3.64	1.30	RX 97 RXF97	4
20	8359	73.49	0.90			442	391	3.30	1.43		
22	7416	65.20	1.01			500	346	2.92	1.62		
25	6731	59.17	1.12			553	313	2.64	1.79		
29	5785	50.86	1.30			652	266	2.24	2.1		
33	5049	44.39	1.49			745	232	1.96	2.3		
39	4283	37.65	1.76			890	194	1.64	2.4		
44	3744	32.91	2.0			1028	168	1.42	2.5		
49	3362	29.56	2.2								
52	3166	27.83	2.3			529	327	2.76	1.16		
61	2730	24.00	2.7	589	294	2.48	1.29				
66	2520	22.15	3.0	679	255	2.15	1.42				
77	2166	19.04	3.5	756	229	1.93	1.46				
87	1911	16.80	3.9	913	190	1.60	1.56				
				1050	165	1.39	1.65				
						22kW					
37	4536	39.88	0.89	R 107 RF107	4	11	17645	130.44	0.95	R 167 RF167	4
42	3963	34.84	1.02			12	16366	120.99	1.04		
50	3315	29.14	1.22			14	14124	104.41	1.20		
59	2798	24.60	1.44			16	12464	92.14	1.36		
65	2541	22.34	1.59			18	10805	79.88	1.57		
74	2255	19.82	1.79			21	9614	71.07	1.76		
81	2046	17.99	1.98			23	8655	63.98	2.0		
94	1759	15.46	2.3			25	7915	58.51	2.1		
108	1536	13.50	2.3			29	6887	50.91	2.5		
128	1302	11.45	3.1			32	6078	44.93	2.8		
146	1139	10.01	3.5			37	5269	38.95	3.2		
181	918	8.07	3.0								
213	778	6.84	3.6								
72	2291	20.14	1.07			R 97 RF97	4	13	14884		
80	2075	18.24	1.13	15	12797			94.60	0.95		
90	1839	16.17	1.23	17	11291			83.47	1.08		
100	1663	14.62	1.30	20	9752			72.09	1.3		
118	1409	12.39	1.46	22	9016			66.65	1.36		
135	1232	10.83	1.59	24	8258			61.50	1.48		
158	1053	9.26	1.81	28	7152			52.87	1.71		
174	952	8.37	2.0	31	6310			46.65	1.94		
206	806	7.09	2.3	36	5450			40.29	2.2		
235	705	6.20	2.5	41	4821			35.64	2.5		
282	589	5.18	2.8	49	4051			29.95	3.0		
328	511	4.49	3.0								



R

Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p
22kW						22kW					
22	8820	65.20	0.85	R 137 RF137	4	652	316	2.24	1.77	RX 97 RXF97	4
25	8004	59.17	0.94			745	276	1.96	1.94		
29	6880	50.86	1.09			890	231	1.64	2.05		
33	6005	44.39	1.25			1028	200	1.42	2.14		
39	5093	37.65	1.48			529	389	2.76	0.98	RX 87 RXF87	4
44	4452	32.91	1.69			589	350	2.48	1.09		
49	3999	29.56	1.88			679	303	2.15	1.19		
52	3765	27.83	2.00			756	272	1.93	1.23		
61	3246	24.00	2.3			913	226	1.60	1.31		
66	2996	22.15	2.5			1050	196	1.39	1.39		
77	2576	19.04	2.9			30kW					
87	2273	16.80	3.3			16	16996	92.14	1.0	R 167 RF167	4
101	1963	14.51	3.8			18	14735	79.88	1.15		
114	1736	12.83	4.3			21	13109	71.07	1.29		
42	4713	34.84	0.86	23	11802	63.98	1.43				
50	3942	29.14	1.03	25	10793	58.51	1.57				
59	3328	24.60	1.21	29	9391	50.91	1.80				
65	3022	22.34	1.34	32	8288	44.93	2.04				
74	2681	19.82	1.51	37	7185	38.95	2.4				
81	2434	17.99	1.66	42	6393	34.66	2.6				
94	2091	15.46	1.93	49	5510	29.87	3.1				
108	1826	13.50	2.2	60	4477	24.27	3.8				
128	1549	11.45	2.6	71	3796	20.58	4.5				
146	1354	10.01	2.7	17	15397	83.47	0.8	R 147 RF147	4		
173	1144	8.46	2.9	20	13298	72.09	0.92				
181	1092	8.07	3.0	22	12294	66.65	0.99				
213	925	6.84	3.2	24	11261	61.50	1.09				
244	809	5.98	3.5	28	9752	52.87	1.25				
72	2724	20.14	1.04	31	8605	46.65	1.42				
80	2467	18.24	1.14	36	7432	40.29	1.64				
90	2187	16.17	1.23	41	6574	35.64	1.86				
100	1978	14.62	1.29	49	5525	29.95	2.2				
118	1676	12.39	1.34	60	4462	24.19	2.5				
135	1465	10.83	1.43	71	3770	20.44	3.0				
158	1253	9.26	1.52	81	3328	18.04	3.0				
174	1132	8.37	1.69	93	2885	15.64	4.2				
206	959	7.09	1.96	29	9382	50.86	0.80			R 137 RF137	4
235	839	6.20	2.1	33	8188	44.39	0.92				
282	701	5.18	2.4	39	6945	37.65	1.08				
325	607	4.49	2.5	44	6071	32.91	1.24				
147	1339	9.90	0.83	52	5133	27.83	1.41				
158	1251	9.25	0.91	61	4427	24.00	1.69				
175	1125	8.32	0.97	66	4086	22.15	1.85				
202	977	7.22	1.03	77	3512	19.04	2.1				
226	875	6.47	1.10	87	3099	16.80	2.4				
272	725	5.36	1.18	101	2676	14.51	2.8				
412	500	3.57	3.36	RX 157 RXF157	4	114	2367	12.83	3.2		
348	592	4.20	1.32	RX 107 RXF107	4	135	1990	10.79	3.8		
383	537	3.81	1.45			192	1400	7.59	3.4		
432	477	3.38	1.64			229	1177	6.38	4.1		
476	433	3.07	1.80			74	3656	19.82	1.11		
553	372	2.64	2.10			81	3318	17.99	1.22		
635	324	2.30	2.41			94	2852	15.46	1.42		
749	275	1.95	2.61			108	2490	13.50	1.62		
854	241	1.71	2.75			128	2112	11.45	1.88		
1014	203	1.44	2.99	146	1846	10.01	1.91	R 107 RF107	4		
401	513	3.64	1.09	173	1561	8.46	2.2				
442	465	3.30	1.20	181	1489	8.07	2.2				
500	412	2.92	1.36	213	1262	6.84	2.5				
553	372	2.64	1.50	244	1103	5.98	2.6				
				289	933	5.06	2.9				



Output speed	Output torque	Ratio	Service factor	Type	Pole	Output speed	Output torque	Ratio	Service factor	Type	Pole		
r/min	Nm	i	f _B	Type	p	r/min	Nm	i	f _B	Type	p		
30kW						37kW							
100	2697	14.62	0.80	R 97 RF97	4	39	8507	37.65	0.88	R 137 RF137	4		
118	2285	12.39	0.90			45	7436	32.91	1.01				
135	1998	10.83	0.98			53	6288	27.83	1.20				
158	1708	9.26	1.12			61	5423	24.00	1.38				
174	1544	8.37	1.24			67	5005	22.15	1.51				
206	1308	7.09	1.44			77	4302	19.04	1.75				
235	1144	6.20	1.55			88	3796	16.80	1.98				
282	955	5.18	1.75			101	3279	14.51	2.3				
325	828	4.49	1.85			115	2899	12.83	2.6				
432	649	3.40	1.71	RX 127 RXF127	4	136	2438	10.79	2.8			R 107 RF107	4
432	623	3.38	1.25	RX 107 RXF107	4	169	1968	8.71	3.1				
476	566	3.07	1.38			194	1715	7.59	3.3				
553	487	2.64	1.60			230	1442	6.38	3.7				
635	424	2.30	1.84			285	1164	5.15	3.7				
749	360	1.95	2.0			74	4478	19.82	0.90				
854	315	1.71	2.1			82	4065	17.99	0.99				
1014	266	1.44	2.3			95	3493	15.46	1.16				
500	539	2.92	1.04	RX 97 RXF97	4	109	3050	13.50	1.33				
553	487	2.64	1.15			128	2587	11.45	1.50				
652	413	2.24	1.35			147	2262	10.01	1.56				
745	362	1.96	1.48			174	1912	8.46	1.79				
890	303	1.64	1.57			182	1823	8.07	1.8				
1028	262	1.42	1.63			215	1546	6.84	2.1				
						246	1351	5.98	2.1				
				291	1143	5.06	2.4	432	801	3.40	1.39	RX 127 RXF127	4
								490	707	3.00	1.57		
								568	610	2.59	1.82		
								435	796	3.38	0.98	RX 107 RXF107	4
								479	723	3.07	1.08		
								557	622	2.64	1.25		
								639	542	2.30	1.44		
								754	459	1.95	1.57		
								860	403	1.71	1.65		
								1021	339	1.44	1.79		
37kW						45kW							
18	18049	79.88	0.94	R 167 RF167	4	23	17463	63.98	0.97	R 167 RF167	4		
21	16058	71.07	1.05			25	15970	58.51	1.06				
23	14456	63.98	1.17			29	13896	50.91	1.22				
25	13220	58.51	1.28			33	12264	44.93	1.38				
29	11503	50.91	1.47			38	10631	38.95	1.59				
33	10152	44.93	1.67			43	9460	34.66	1.79				
38	8801	38.95	1.92			50	8153	29.87	2.08				
42	7831	34.66	2.16			61	6624	24.27	2.4				
49	6749	29.87	2.5			72	5617	20.58	2.6				
61	5484	24.27	3.1			79	5112	18.73	3.0				
78	4232	18.73	4.0			91	4452	16.31	3.4				
90	3685	16.31	4.6			102	3974	14.56	3.5				
101	3290	14.56	5.1										
22	15060	66.65	0.81	R 147 RF147	4	28	14431	52.87	0.85	R 147 RF147	4		
24	13794	61.50	0.89			32	12733	46.65	0.96				
28	11946	52.87	1.02			37	10997	40.29	1.11				
32	10541	46.65	1.16			42	9728	35.64	1.26				
36	9104	40.29	1.34			49	8175	29.95	1.49				
41	8053	35.64	1.52			61	6603	24.19	1.69				
49	6767	29.95	1.81			72	5579	20.44	2.0				
61	5466	24.19	2.0			82	4924	18.04	2.0				
72	4618	20.44	2.4			95	4269	15.64	2.9				
81	4076	18.04	2.4			106	3797	13.91	3.2				
94	3534	15.64	3.5			123	3273	11.99	3.7				
106	3143	13.91	3.8			204	1979	7.25	4.1				



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
90kW											
72	11158	20.44	1.01								
82	9848	18.04	1.10								
95	8538	15.64	1.43								
106	7593	13.91	1.56	R 147	4						
123	6545	11.99	1.87	RF147	4						
156	5170	9.47	2.1								
179	4509	8.26	2.4								
204	3958	7.25	2.5								
251	3215	5.89	2.7								
296	2729	5.00	3.0								
542	1555	2.75	1.08	RX 157	4						
629	1340	2.37	1.25	RXF157	4						
772	1091	1.93	1.54								
955	882	1.56	1.26	RX 127	4						
				RXF127	4						
110kW											
61	16193	24.27	1.04								
72	13731	20.58	1.23								
91	10882	16.31	1.38	R 167	4						
102	9715	14.56	1.45	RF167	4						
119	8280	12.41	2.04								
144	6859	10.28	2.3								
169	5851	8.77	2.7								
629	1638	2.37	1.03	RX 157	4						
772	1334	1.93	1.26	RXF157	4						
914	1126	1.63	1.49								
132kW											
72	16477	20.58	1.03								
91	13059	16.31	1.15								
102	11657	14.56	1.21	R 167	4						
119	9936	12.41	1.70	RF167	4						
144	8231	10.28	1.94								
169	7022	8.77	2.28								
914	1351	1.63	1.24	RX 157	4						
				RXF157	4						
160kW											
120	11963	12.41	1.41	R 167	4						
145	9910	10.28	1.61	RF167	4						
170	8484	8.77	1.89								

R



R

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
130	8.5	164	R 27R17 RF27R17	0.18	1550	0.82	1690	R 87R57 RF87R57	0.18
	8.9	156				0.91	1524		
	10	135				1.0	1395		
	12	118		1.1		1232	0.25		
	13	104		1.2		1145			
	15	90		1.3		1037			
200	4.8	289	R 37R17 RF37R17	0.18		1.6	883	R 87R57 RF87R57	0.37
	5.7	243				1.7	802		
	6.2	226				1.8	754		
	7.5	185		1.4		1008	0.55		
	8.5	164		2.0		683			
	8.9	156		2.3		599			
	10	135		2.6		538			
	11	127		2.9		472			
300	13	104	R 47R37 RF47R37	0.37		3.4	400	R 97R57 RF97R57	0.75
	15	90				3.5	396		
						3.9	361		
	3.2	429		4.0		351	1.1		
	3.7	372		4.6		305			
	4.0	348		4.7		300			
450	4.6	301	R 57R37 RF57R37	0.25		5.2	267	R 97R57 RF97R57	1.1
	5.5	255				5.5	256		
	6.1	228							
	2.1	678		3000	0.32	4309	R 97R57 RF97R57		0.18
	2.4	589			0.35	4004			
	2.6	537			0.38	3702			
3.0	471	0.40	3481						
3.9	357	0.46	3019						
4.4	319	0.52	2668						
600	5.2	267	R 67R37 RF67R37	0.37	0.62	2245	R 97R57 RF97R57	0.25	
	5.8	241			0.69	2016			
					0.76	1823			
	1.7	836		0.80	1733	0.37			
	1.9	750		0.86	1623				
	2.0	730		0.88	1583				
	2.2	630		0.97	1434				
	2.4	571		1.00	1396				
	2.5	561		1.1	1228	0.55			
	2.8	495		1.2	1207				
2.9	486	1.3	1084						
3.2	438	1.3	1068						
3.6	388	1.5	937						
820	4.1	336	R 77R37 RF77R37	0.37	1.5	934	R 97R57 RF97R57	0.55	
	4.8	287			1.6	878			
					1.7	824			
	1.2	1124		1.8	755	0.75			
	1.3	1047		1.9	737				
	1.5	915		2.1	631				
	1.6	858		2.2	625	1.1			
	1.8	757		2.5	549				
	2.1	671		2.6	560				
	2.4	571		2.9	484				
	2.5	547		3.2	430				
	2.9	477		3.7	379	1.5			
	3.3	426		4.1	336				
	3.8	364		4.7	296				
4.5	312	5.1	270						
4.5	310	5.6	249						
5.6	248	5.9	234						
1550	0.65	2129	R 87R57 RF87R57	0.18	6.1	227	R 97R57 RF97R57	2.2	
	0.71	1955							
	0.72	1930							
	0.79	1737							
	0.80	1733							



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	0.21	6690	R 107R77 RF107R77	0.18	8000	0.34	4018	R 137R77 RF137R77	0.37
	0.24	5735				0.35	3928		
	0.27	5127				0.40	3514		
	0.32	4302				0.41	3377		
	0.36	3870				0.42	3338		
	0.36	3847		0.25		0.47	2929		0.55
	0.42	3302				0.48	2926		
	0.46	3015				0.52	2658		
	0.46	2997				0.56	2484		
	0.53	2621				0.58	2412		
	0.62	2252		0.37		0.62	2242		0.75
	0.68	2041				0.67	2073		
	0.71	1971				0.75	1863		
	0.77	1813				0.76	1839		
	0.83	1673				0.88	1598		
	0.88	1587		0.55		1.0	1397		1.1
	0.91	1531				1.1	1226		
	1.00	1390				1.3	1090		
	1.00	1389				1.3	1080		
	1.14	1216				1.4	1020		
	1.2	1194		0.75		1.5	951		1.5
	1.27	1095				1.6	869		
	1.3	1043				1.7	831		
	1.50	927				2.0	730		
	1.6	888				2.1	684		
	1.7	787		1.1		2.3	629		2.2
	2.0	692				2.3	609		
	2.3	605				2.6	564		
	2.4	598				2.6	549		
	2.6	530				2.8	517		
	2.7	510		1.5		2.9	490		3
	2.9	479				3.2	453		
	3.1	463				3.4	428		
	3.4	420				3.8	376		
	3.5	406				3.8	374		
	3.8	373		2.2		4.2	339		4
	4.0	357				4.5	317		
	4.5	321				4.8	297		
	4.6	313				5.0	286		
	5.1	281				5.8	250		
5.2	277	3	13000	0.08	18210	0.18			
5.7	253			0.09	15923				
5.8	245			0.10	14075				
6.6	217			0.12	12344				
6.9	208			0.13	11143				
7.5	191	4		0.15	9743	0.25			
7.9	181			0.17	8443				
8.6	167			0.20	7307				
8000	0.12			11712	0.22		6447	R 147R77 RF147R77	0.37
	0.13			10573	0.26		5568		
	0.16	8784		0.30	4815				
	0.19	7479		0.33	4325				
	0.22	6412		0.25	0.39	3669	0.55		
	0.24	5834			0.44	3228			
	0.28	5001			0.50	2833			0.75
	0.30	4709							
0.32	4364								

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



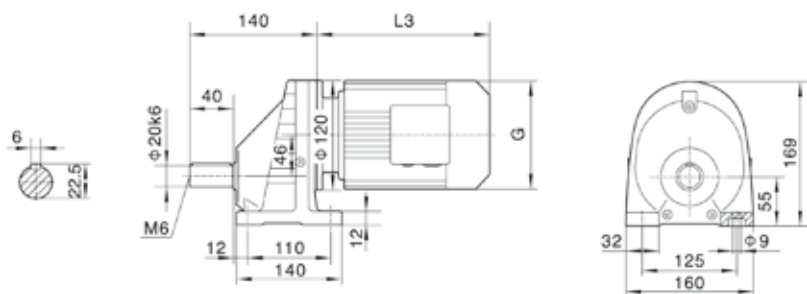
R

Permissible torque Nm	Output speed r/min	Ratio i	Type Type	Power kW/4p	Permissible torque Nm	Output speed r/min	Ratio i	Type Type	Power kW/4p
13000	0.56	2555	R 147R77 RF147R77	1.1		4.9	295	R 167R107 RF167R107	11
	0.65	2211				5.1	287		
	0.73	1951				5.2	281		
	0.84	1705		1.5		5.6	260		
	0.93	1536				6.1	238		15
	1.1	1329		2.2		6.5	224		
	1.2	1166	R 147R87 RF147R87			7.0	208		
	1.4	1029				7.5	195		
	1.6	889		3					
	1.8	784							
	2.1	695		4					
	2.4	607							
	2.6	547		5.5					
	3.0	480		4					
	2.7	540	R 167R97 RF167R97						
	3.1	462		5.5					
	3.3	432		7.5					
	3.9	373							
	4.4	330		11					
18000	0.05	27001		0.55					
	0.06	22482							
	0.07	20002							
	0.08	17361							
	0.09	15446							
	0.10	14051							
	0.12	11812							
	0.13	10519							
	0.14	9754		0.75					
	0.23	6069							
	0.26	5399							
	0.30	4709							
	0.33	4182							
	0.18	7749		1.1					
	0.20	6894							
	0.37	3739							
	0.54	2657		1.5					
	0.61	2333							
	0.69	2085							
	0.76	1877		2.2					
	0.86	1670							
	0.98	1456							
	1.1	1296		3					
	1.3	1137							
	1.4	1012							
	1.7	872		4					
	1.9	770							
	2.2	664		5.5					
	2.5	578							
	2.8	510							
	3.3	438		7.5					
	3.8	380							
	4.3	338							
	4.8	307		11					
	5.2	282							

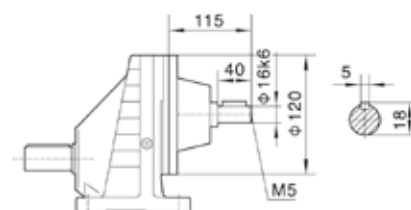
All gear units are overloaded in above table. Determination of operating torque should not higher than the gear unit's nominal torque.



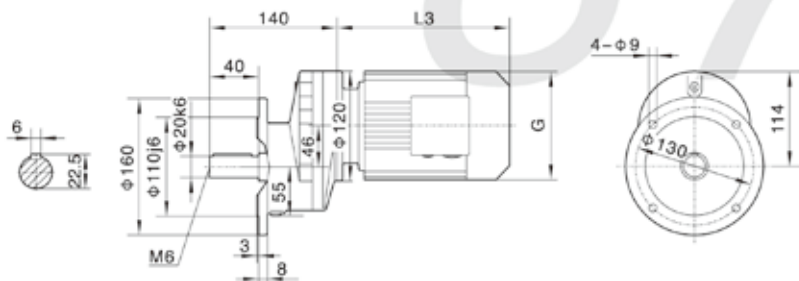
RX37



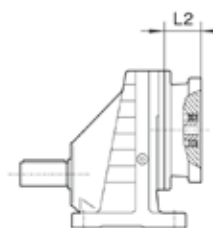
RX..S37



RXF37



Customers provide the motor by themselves
need connected flange.



Note: For other values please
refer to relevant structure.

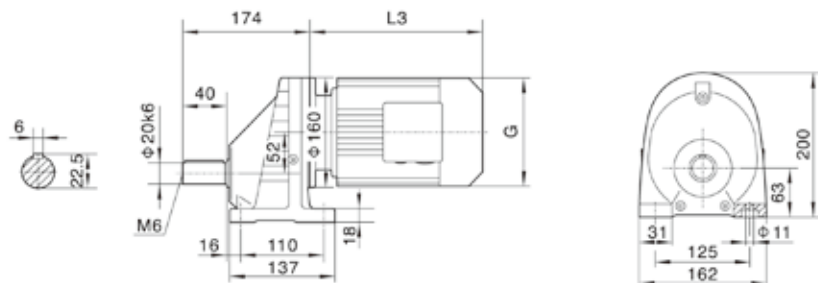
Motor size	63	71	80	90S	
Power/(kW)	0.18	0.25 0.37	0.55 0.75	1.1	
L3	223	236	264	301	
G	130	145	175	195	
L2	71	71	71	71	

Note: "RX.." means RX, RXF.

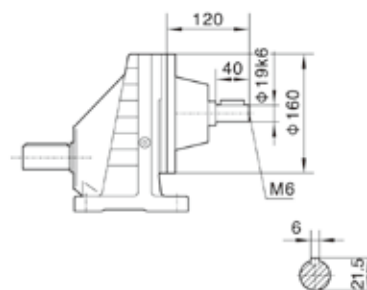
R



RX57

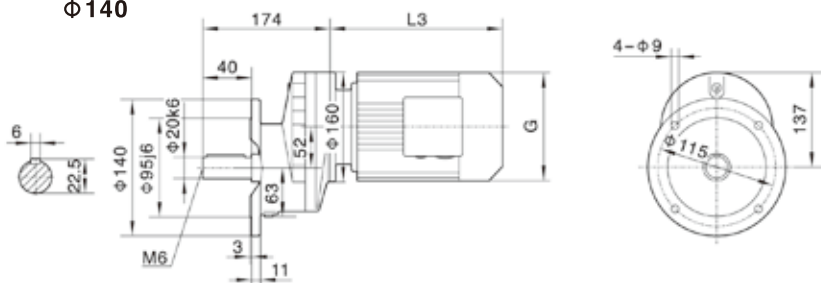


RX..S57

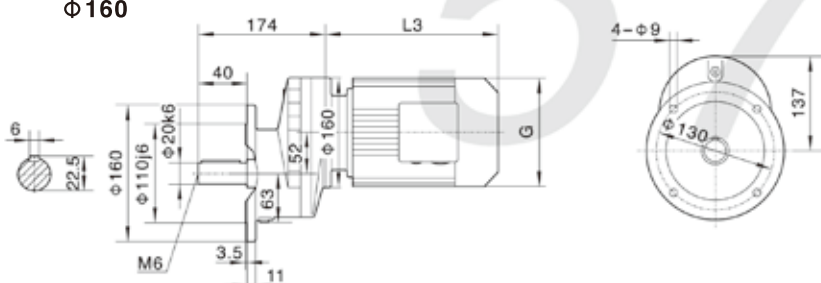


RXF57

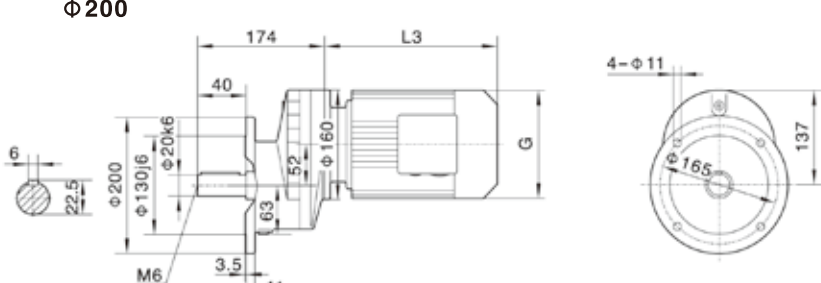
Φ 140



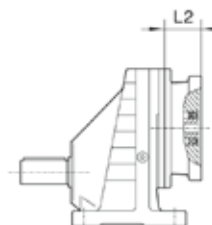
Φ 160



Φ 200



Customers provide the motor by themselves
need connected flange.



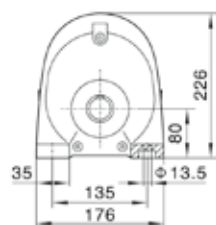
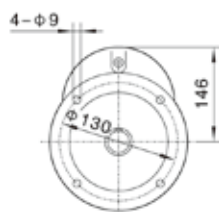
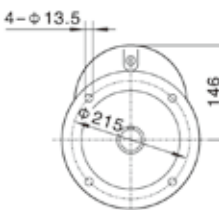
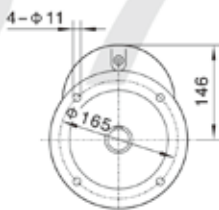
Note: For other values please
refer to relevant structure.

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
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	

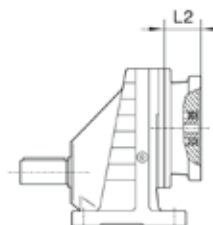
Note: "RX.." means RX, RXF.



Technical drawing of a motor assembly. The drawing shows a side view of the motor with various dimensions. Key dimensions include: 201 (total length), L3 (motor length), 50 (flange thickness), 25 (base thickness), 120 (base length), 150 (total base length), 20 (mounting flange thickness), 160 (motor body diameter), 60 (motor body length), 28 (flange diameter), 8 (flange thickness), and M10 (mounting hole). A detail view of the flange is shown on the left, indicating a diameter of 28 and a thickness of 8.

[illegible][illegible]

Customers provide the motor by themselves
need connected flange.

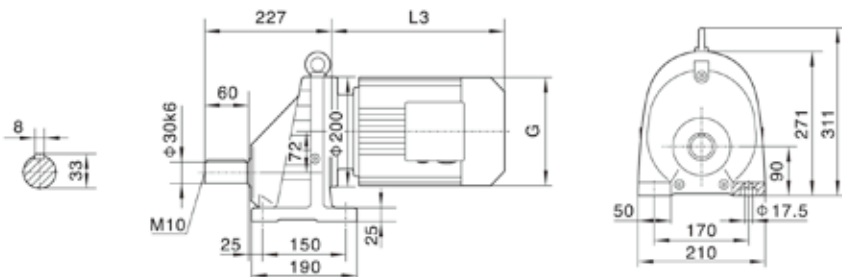


Note: For other values please refer to relevant structure.

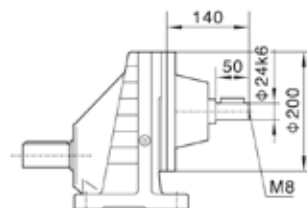
Note: "RX.." means RX, RXF.



RX77

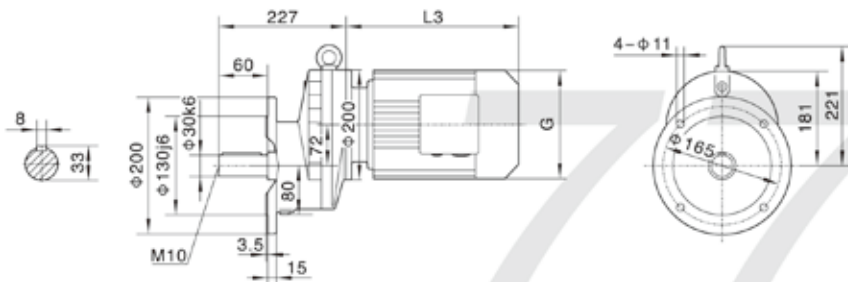


RX..S77



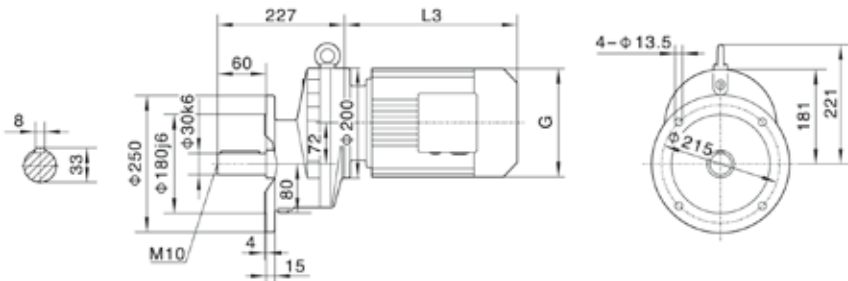
RXF77

Φ 200



Customers provide the motor by themselves
need connected flange.

Φ 250



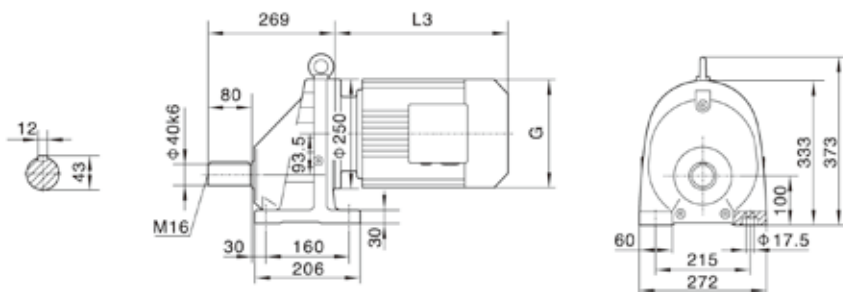
Note: For other values please
refer to relevant structure.

Motor size	90S	90L	100	112M	132S	132M	160M	
Power/(kW)	1.1	1.5	2.2 3.0	4.0	5.5	7.5	11	
L3	304	328	350	380	425	461	524	
G	195	195	215	240	275	275	330	
L2	81	81	93	93	101	101	126	

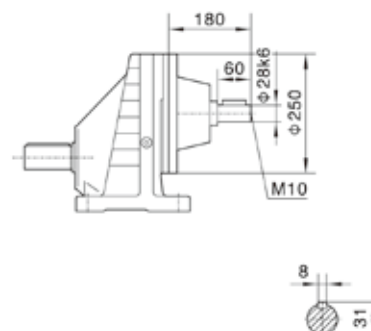
Note: "RX.." means RX, RXF.



RX87

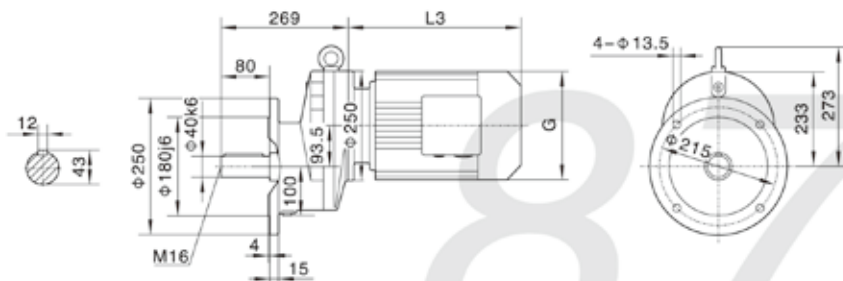


RX..S87

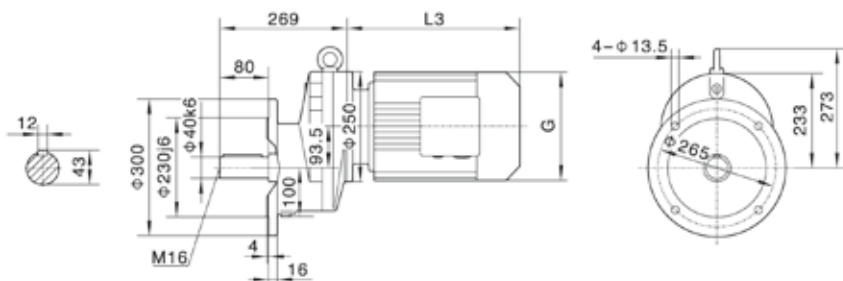


RXF87

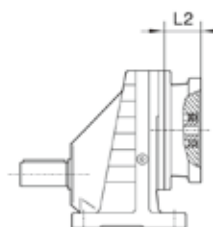
Φ250



Φ300



Customers provide the motor by themselves
need connected flange.



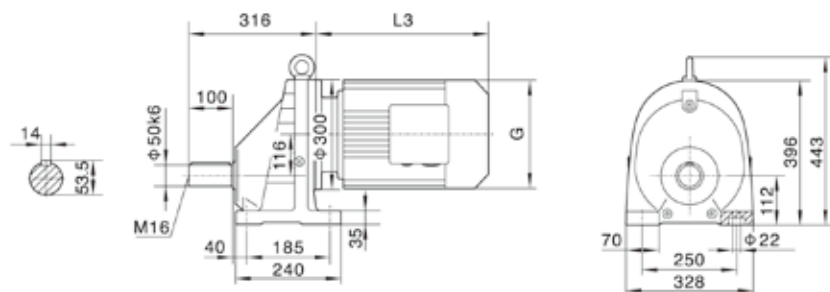
Note: For other values please
refer to relevant structure.

Motor size	100	112M	132S	132M	160M	160L	180M	180L	
Power/(kW)	3.0	4.0	5.5	7.5	11	15	18.5	22	
L3	351	380	425	461	524	547	583	616	
G	215	240	275	275	330	330	380	380	
L2	71	71	101	101	126	126	126	126	

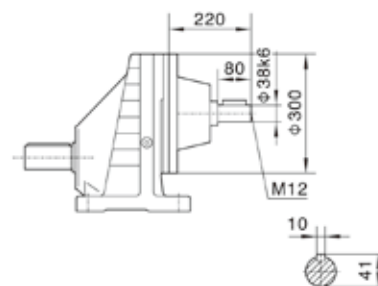
Note: "RX.." means RX, RXF.



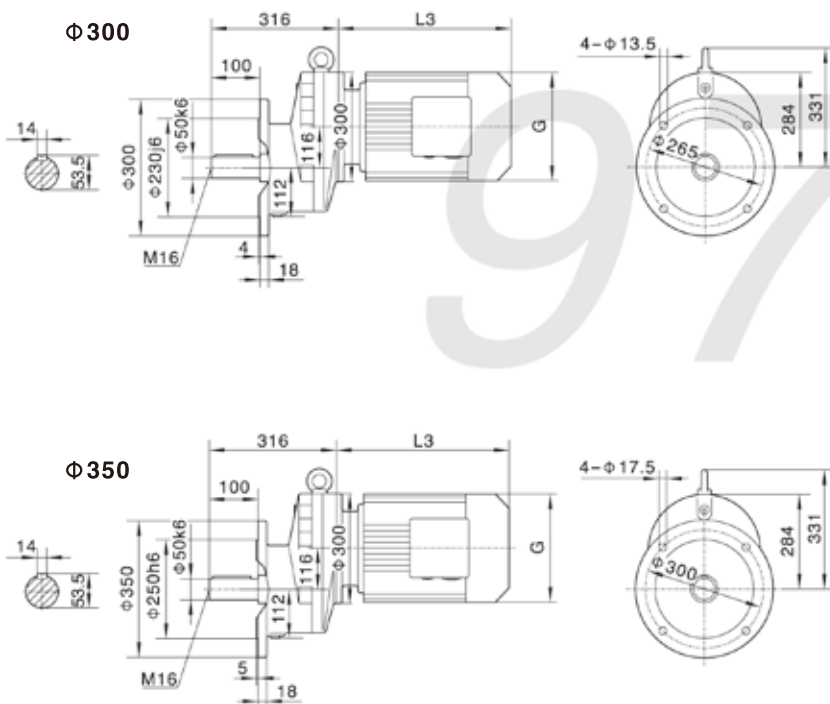
RX97



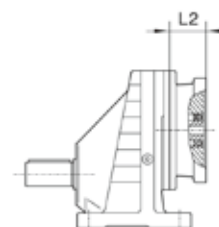
RX..S97



RXF97



Customers provide the motor by themselves
need connected flange.



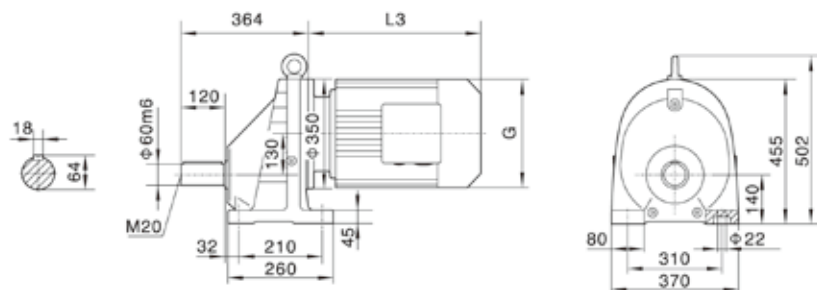
Note: For other values please
refer to relevant structure.

Motor size	132S	132M	160M	160L	180M	180L	200	
Power/(kW)	5.5	7.5	11	15	18.5	22	30	
L3	425	461	524	547	555	588	654	
G	275	275	330	330	380	380	420	
L2	101	101	126	126	126	126	126	

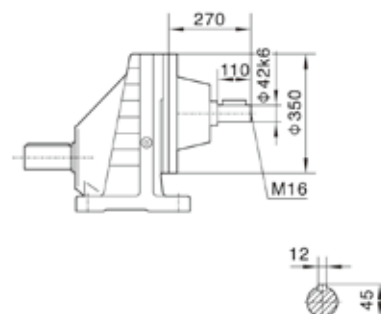
Note: "RX.." means RX, RXF.



RX107

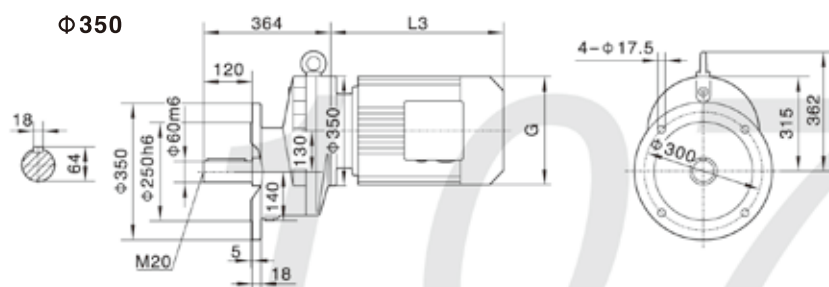


RX..S107

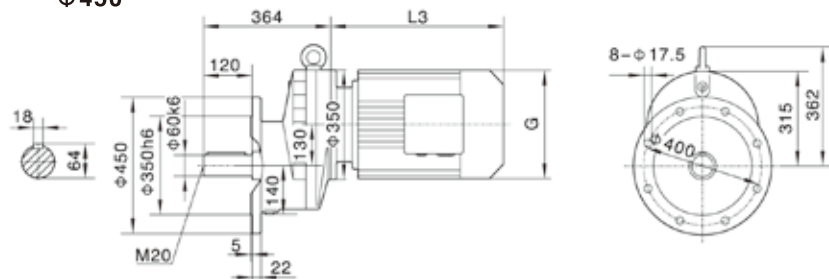


RXF107

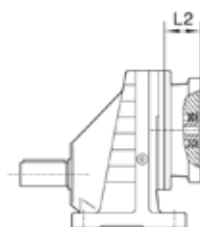
Φ350



Φ450



Customers provide the motor by themselves
need connected flange.



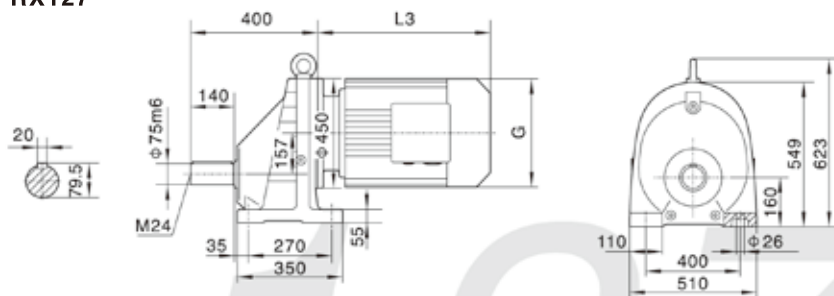
Note: For other values please
refer to relevant structure.

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

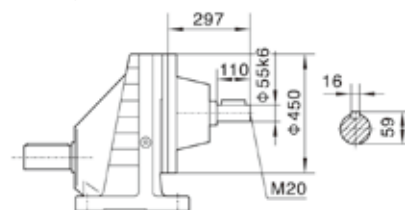
Note: "RX.." means RX, RXF.



RX127

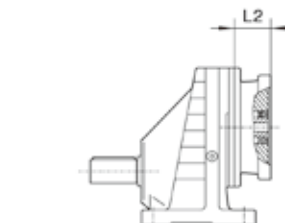
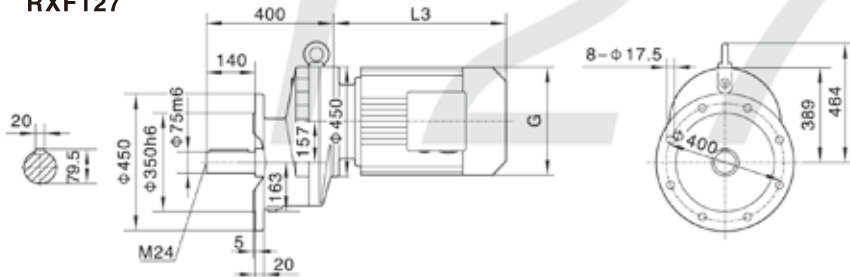


RX..S127



Customers provide the motor by themselves
need connected flange.

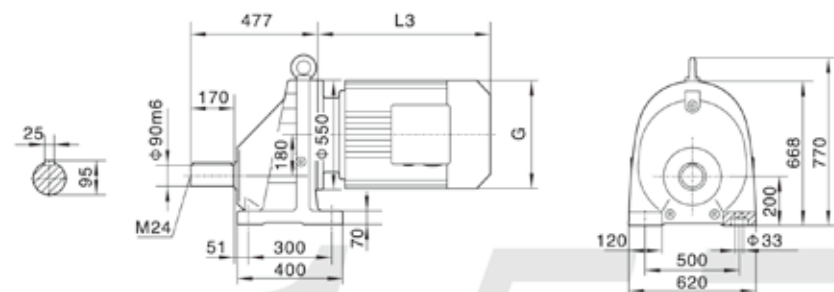
RXF127



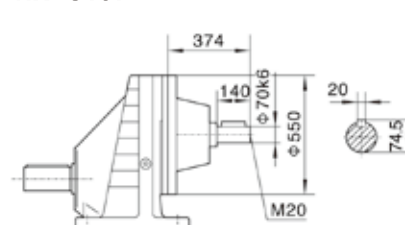
Note: For other values please
refer to relevant structure.

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	845	845
G	275	330	330	380	380	420	470	470	510	580	580
L2	132	132	132	132	132	132	143	143	120	120	120

RX157

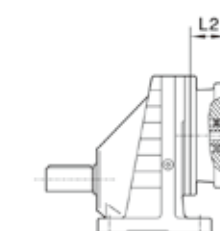
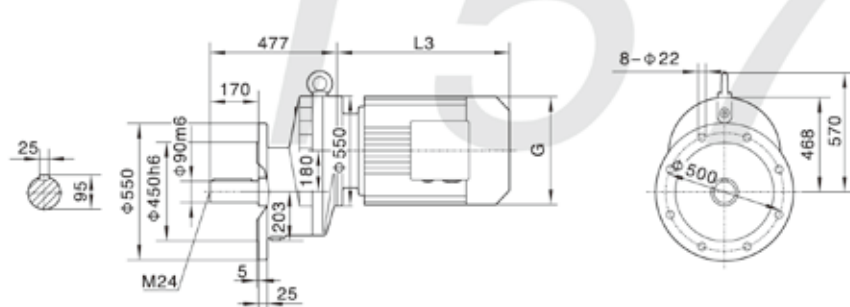


RX..S157



Customers provide the motor by themselves
need connected flange.

RXF157



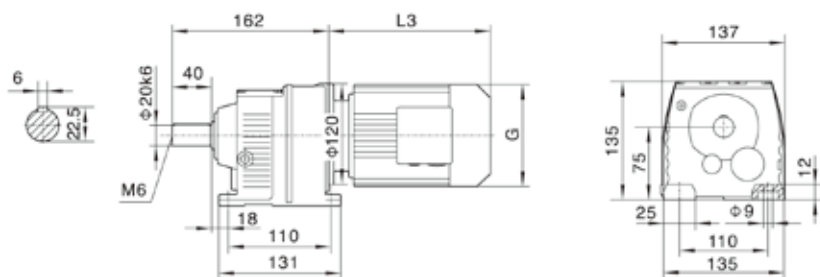
Note: For other values please
refer to relevant structure.

Motor size	160M	160L	180M	180L	200	225S	225M	250	280S	280M	315S	315M
Power/(kW)	11	15	18.5	22	30	37	45	55	75	90	110	132
L3	567	602	635	666	642	669	691	770	828	879	1100	1130
G	330	330	380	380	420	470	470	510	580	580	645	645
L2	143	143	143	143	143	143	143	143	143	143	145	145

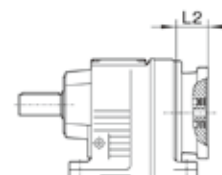
Note: "RX.." means RX, RXF.



R17



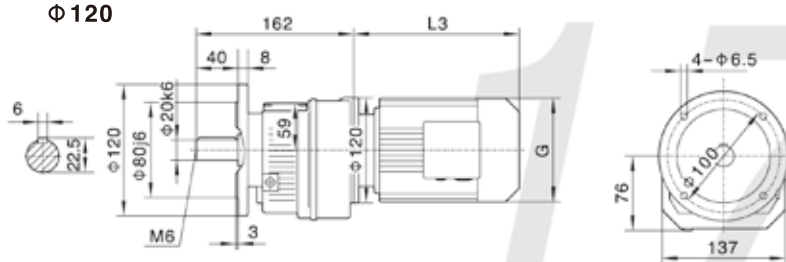
Customers provide the motor by themselves need connected flange.



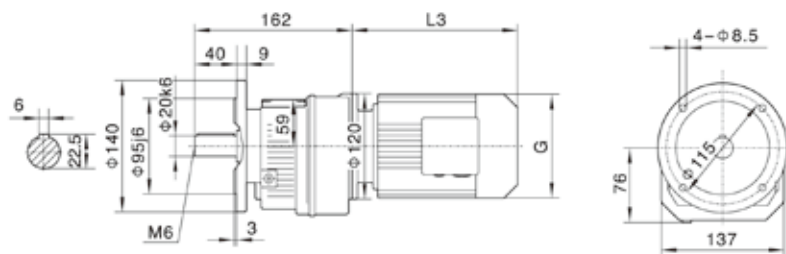
RF17

Note: For other values please refer to relevant structure.

Φ 120



Φ 140

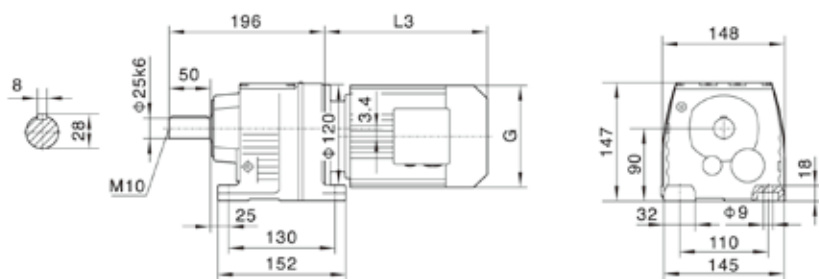


Motor size	63	71		80							
Power/(kW)	0.18	0.25	0.37	0.55	0.75						
L3	235	245		278							
G	130	145		175							
L2	71	71		71							

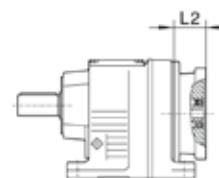
Note: "R.." means R, RF.



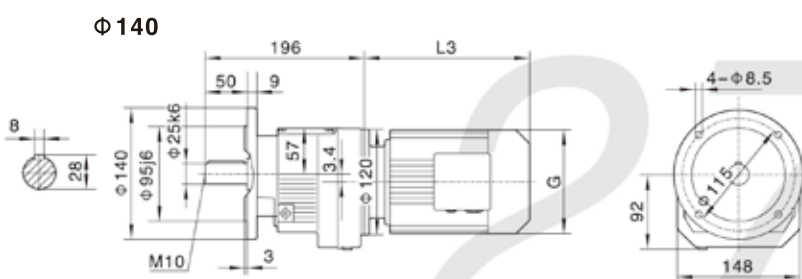
R27



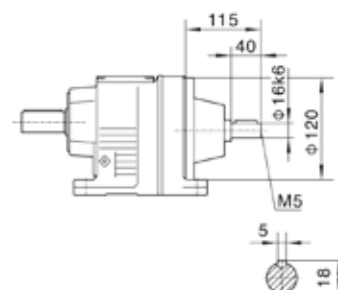
Customers provide the motor by themselves
need connected flange.



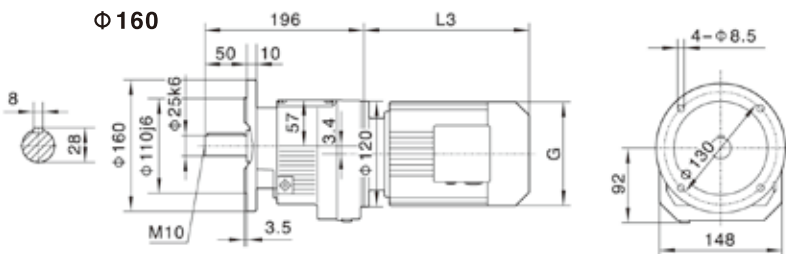
RF27



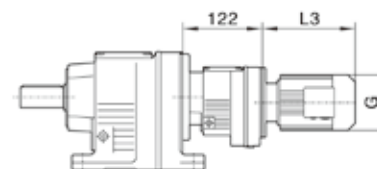
R..S27



$\phi 160$



R..27R17



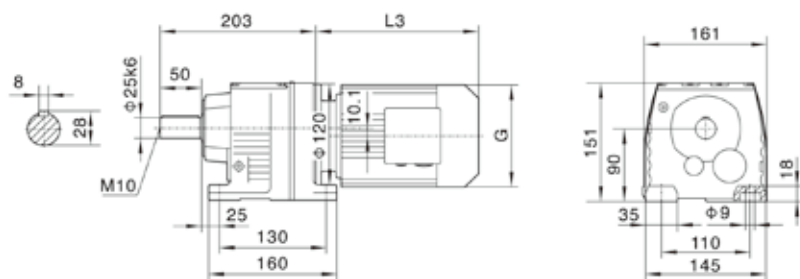
Note: For other values please
refer to relevant structure.

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	

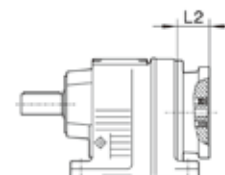
Note: "R.." means R, RF.



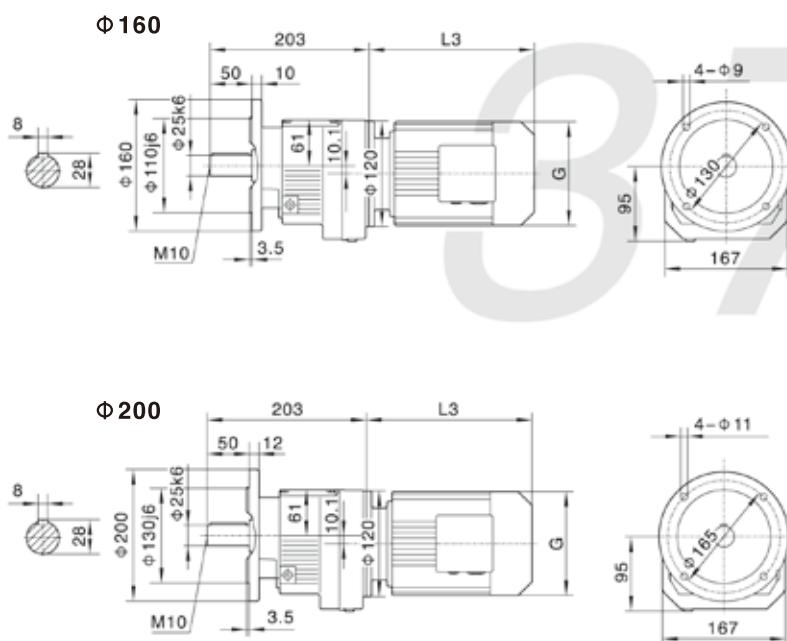
R37



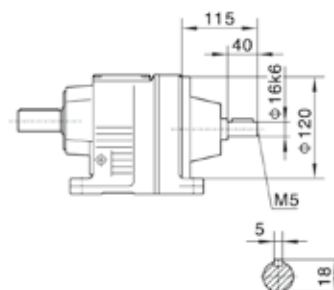
Customers provide the motor by themselves
need connected flange.



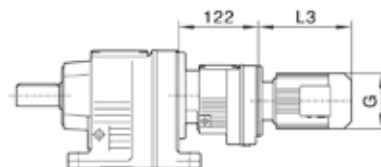
RF37



R..S37



R..37R17



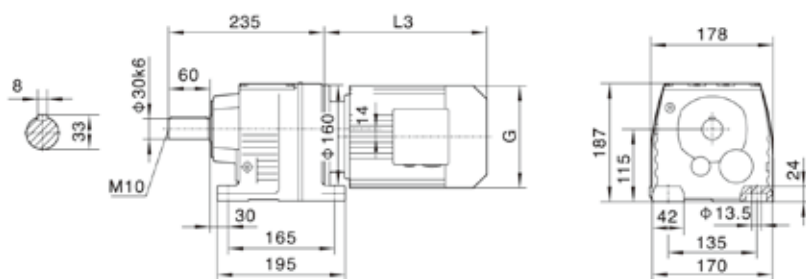
Note: For other values please
refer to relevant structure.

Motor size	63	71	80	90S	90L	100L	
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	

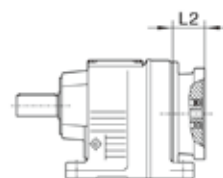
Note: "R.." means R, RF.



R47

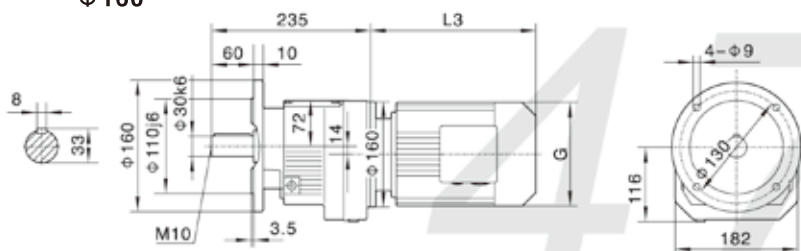


Customers provide the motor by themselves
need connected flange.

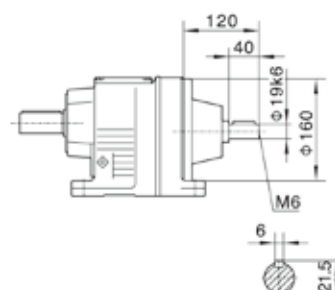


RF47

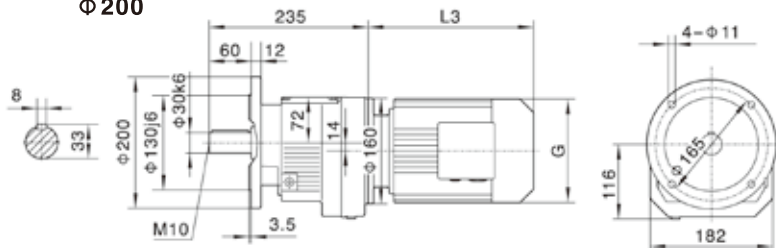
Φ 160



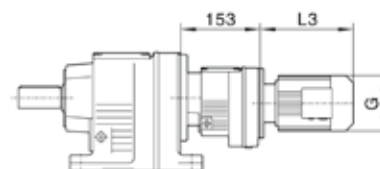
R..S47



Φ 200



R..47R37



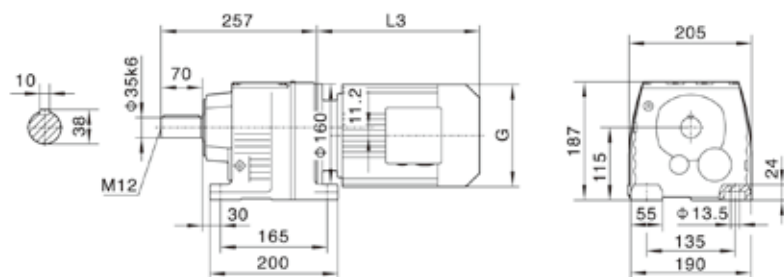
Note: For other values please
refer to relevant structure.

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	

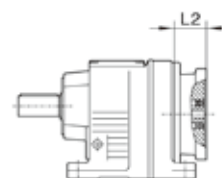
Note: "R.." means R, RF.



R57

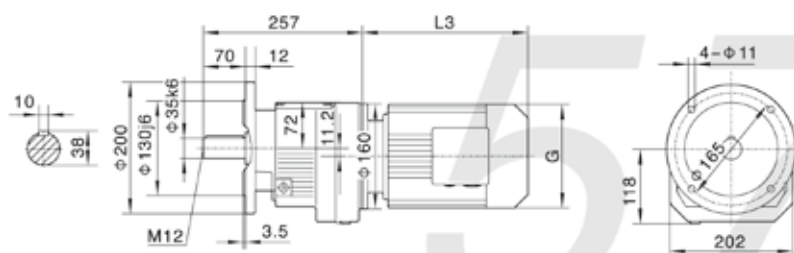


Customers provide the motor by themselves
need connected flange.

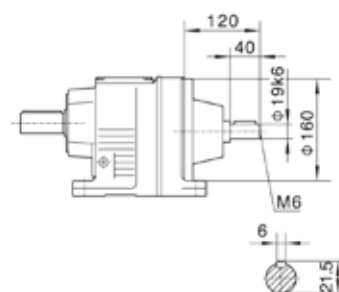


RF57

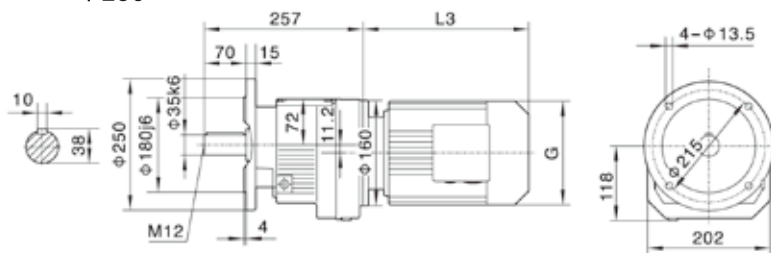
Φ 200



R..S57



Φ 250



R..57R37



Note: For other values please
refer to relevant structure.

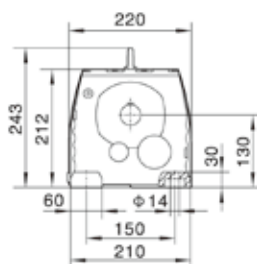
Motor size	63	71	80	90S	90L	100L	112M	132S	132M	
Power/(kW)	0.18	0.25 0.37	0.55 0.75	1.1	1.5	2.2 3.0	4.0	5.5	7.5	
L3	223	245	278	304	328	350	380	425	461	
G	130	145	175	195	195	215	240	275	275	
L2	81	81	81	81	81	93	93	101	101	

Note: "R.." means R, RF.



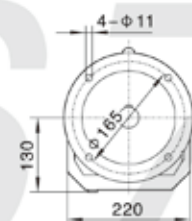
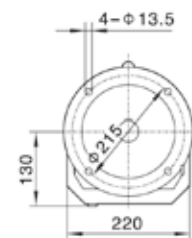
Technical drawing of the 1000W motor showing front and side views with dimensions:

- Front view dimensions:
 - Total width: 280
 - Distance from mounting flange to center: 70
 - Mounting flange diameter: $\phi 35k6$
 - Flange thickness: 10
 - Flange outer diameter: 36
 - Motor body diameter: $\phi 160$
 - Distance from mounting flange to motor body: 30
 - Distance from motor body to terminal box: 195
 - Total width including terminal box: 235
 - Terminal box width: 20.7
- Side view dimensions:
 - Total length: L3
 - Terminal box height: G
- Thread specification: M12



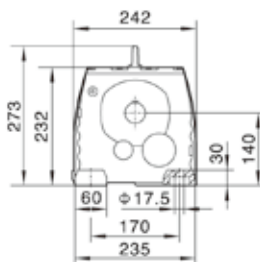
Technical drawing of a motor showing dimensions L1 and L2. L1 is the total length, and L2 is the length of the motor body.

Technical drawing of the 1000 series motor. The drawing includes a front view and a side view. Key dimensions are: total length 280, mounting bracket width 70, mounting bracket thickness 15, total height L3, mounting hole diameter $\phi 35 \times 6$, mounting hole offset 10, mounting hole diameter 38, motor body diameter $\phi 200$, motor body length 130.6, motor body diameter $\phi 160$, motor body length 82, motor body diameter $\phi 160$, motor body length 20.7, motor body diameter $\phi 160$, motor body length 11.3, and motor body diameter $\phi 160$. The drawing also shows a detail of the mounting bracket with dimensions 10, 38, and 35x6. The motor body is labeled M12.

[illegible]

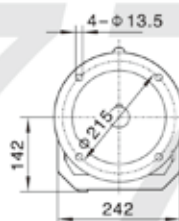
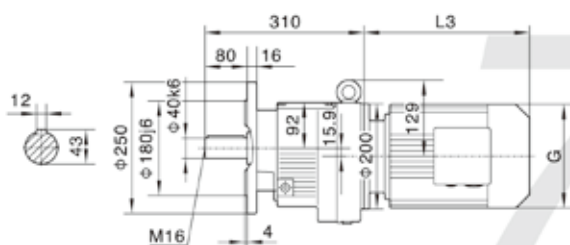
Motor size	63	71		80		90S	90L	100L		112M	132S	132M	
Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5	
L3	223	245		278		304	328	350		380	425	461	
G	130	145		175		195	195	215		240	275	275	
L2	81	81		81		81	81	93		93	101	101	

49

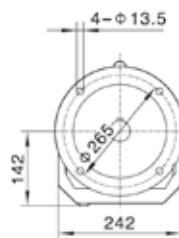
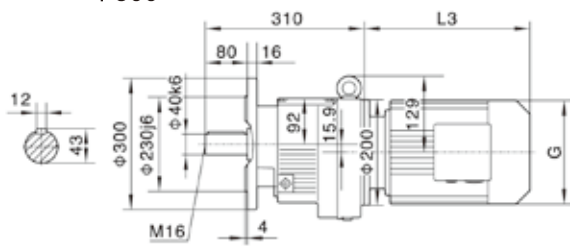


Technical drawing of a motor showing dimensions L1 and L2. L1 is the total length, and L2 is the length of the motor body excluding the mounting bracket.

Φ 250



Φ 300



Motor size	63		71		80		90S	90L	100L		112M	132S	132M	160M
Power/(kW)	0.18	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0	4.0	5.5	7.5	11	
L3	223	233		278		304	328	350		380	425	461	524	
G	130	145		175		195	195	215		240	275	275	330	
L2	81	81		81		81	81	93		93	101	101	126	

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Technical drawing of the 1000W motor showing front and top views with dimensions.

Front View Dimensions:

- Total length: 372
- Motor body length: L3
- Flange thickness: 14
- Flange outer diameter: $\phi 53.5$
- Flange inner diameter: $\phi 50 \text{ k6}$
- Flange to motor body distance: 100
- Motor body diameter: $\phi 250$
- Motor body length: 12.6
- Motor body to terminal box distance: G
- Terminal box width: 40
- Terminal box height: 260
- Terminal box base width: 310
- Terminal box mounting hole: M16

Top View Dimensions:

- Total width: 306
- Terminal box width: 75
- Terminal box height: 45
- Terminal box mounting hole: $\phi 17.5$
- Terminal box base width: 215
- Terminal box base height: 290
- Terminal box to motor body distance: 180
- Motor body width: 300
- Motor body height: 350

[illegible]

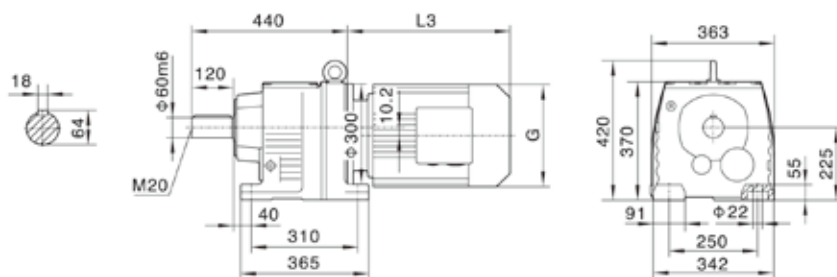
Technical drawing of the motor assembly showing dimensions 187 and L3.

Motor size	80		90S	90L	100		112M	132S	132M	160M	160L	180M	180L
Power/(kW)	0.55	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

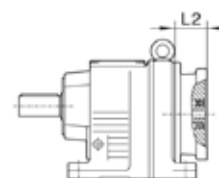
51



R97

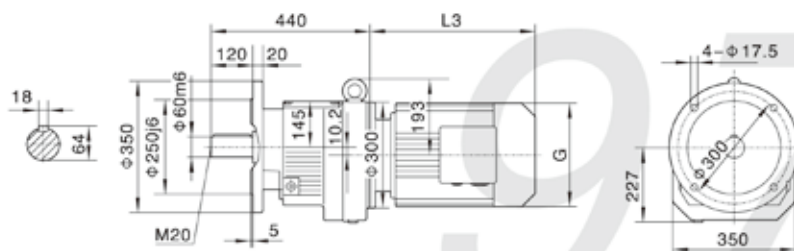


Customers provide the motor by themselves
need connected flange.

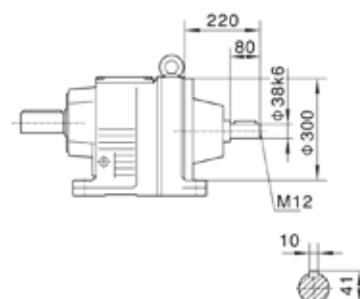


RF97

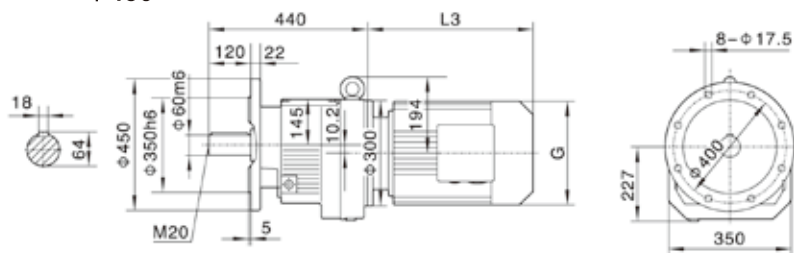
Φ 350



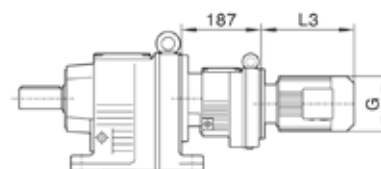
R..S97



Φ 450



R..97R57



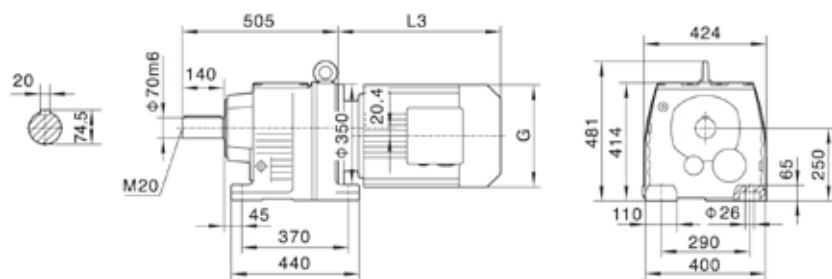
Note: For other values please
refer to relevant structure.

Motor size	80	90S	90L	100	112M	132S	132M	160M	160L	180M	180L	200	
Power/(kW)	0.55 0.75	1.1	1.5	2.2 3.0	4.0	5.5	7.5	11	15	18.5	22	30	
L3	246	280	304	315	334	425	461	524	547	555	588	654	
G	175	195	195	215	240	275	275	330	330	380	380	420	
L2	86	86	86	101	101	101	101	126	126	126	126	132	

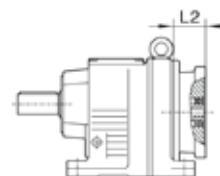
Note: "R.." means R, RF.



R107

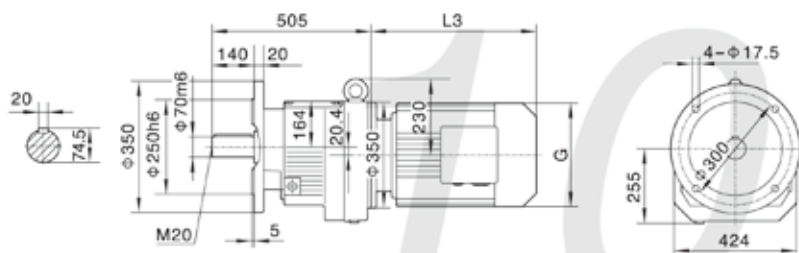


Customers provide the motor by themselves
need connected flange.

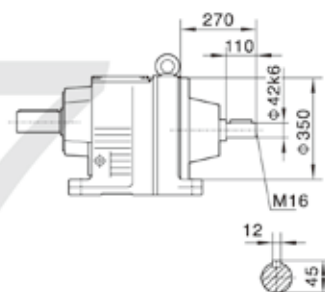


RF107

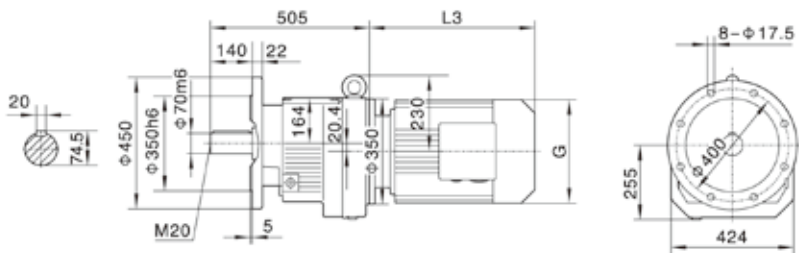
Φ350



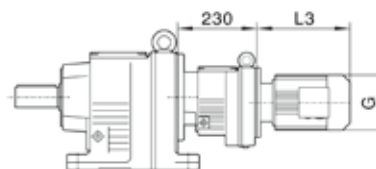
R..S107



Φ450



R..107R77



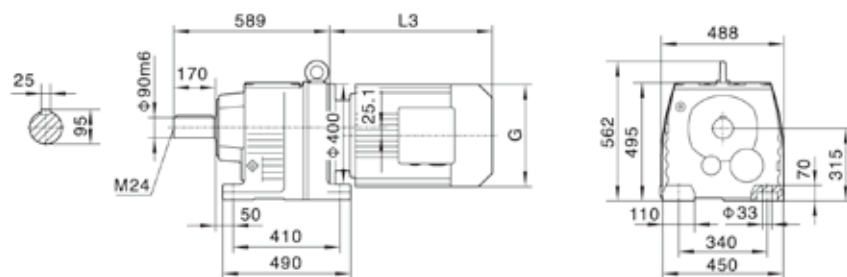
Note: For other values please
refer to relevant structure.

Motor size	100	112M	132S	132M	160M	160L	180M	180L	200	225S	225M	
Power/(kW)	2.2 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	

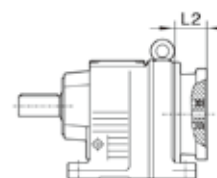
Note: "R.." means R, RF.



R137

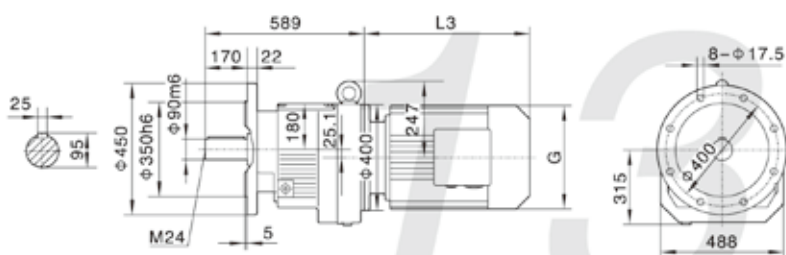


Customers provide the motor by themselves
need connected flange.

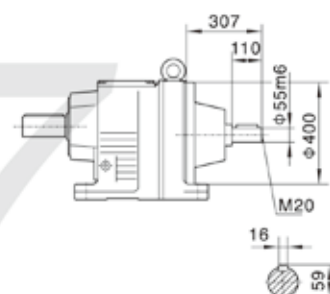


RF137

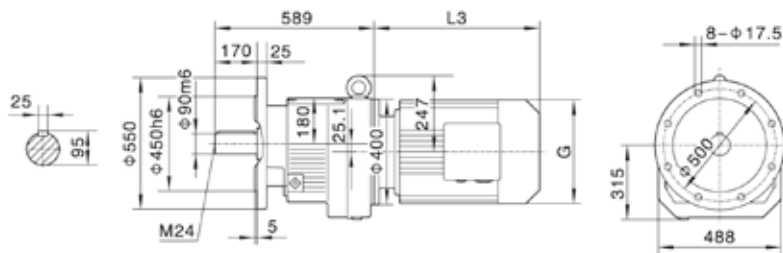
Φ 450



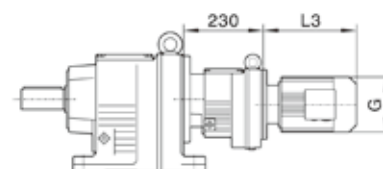
R..S137



Φ 550



R..137R77



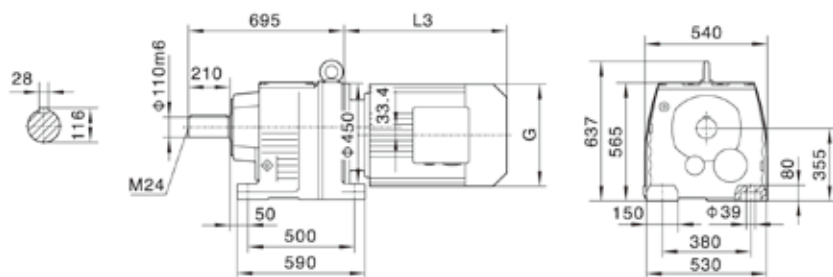
Note: For other values please
refer to relevant structure.

Motor size	132S	132M	160M	160L	180M	180L	200	225S	225M	250	
Power/(kW)	5.5	7.5	11	15	18.5	22	30	37	45	55	
L3	388	424	476	519	555	588	654	680	702	771	
G	275	275	330	330	380	380	420	470	470	510	
L2	126	126	132	132	132	132	132	143	143	174	

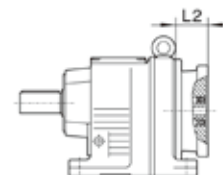
Note: "R.." means R, RF.



R147

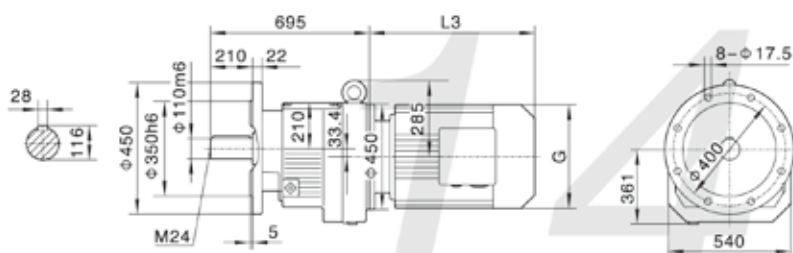


Customers provide the motor by themselves
need connected flange.

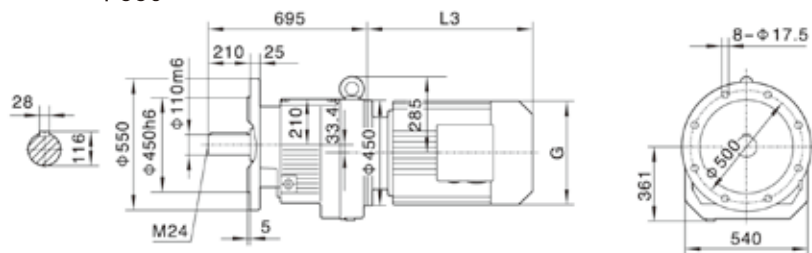


RF147

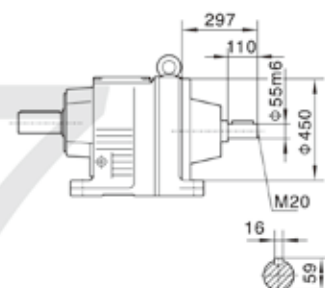
Φ450



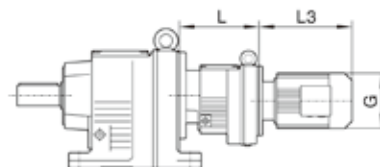
Φ550



R..S147



R..147R87(R77)



	R..147R77	R..147R87
L	230	275

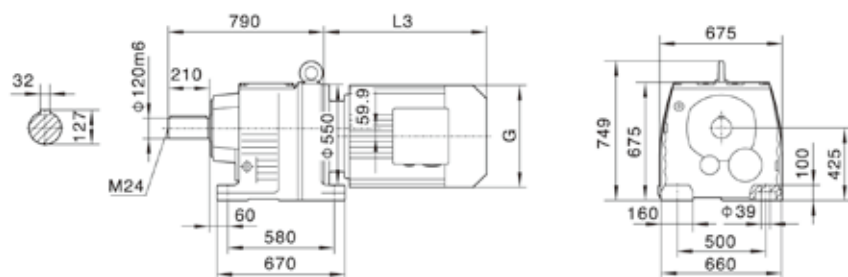
Note: For other values please
refer to relevant structure.

Motor size	160M	160L	180M	180L	200	225S	225M	250	280S	280M	
Power/(kW)	11	15	18.5	22	30	37	45	55	75	90	
L3	567	602	583	616	654	674	696	775	845	845	
G	330	330	380	380	420	470	470	510	580	580	
L2	132	132	132	132	132	143	143	174	174	174	

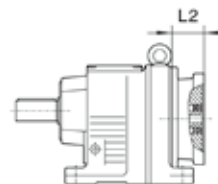
Note: "R.." means R, RF.



R167

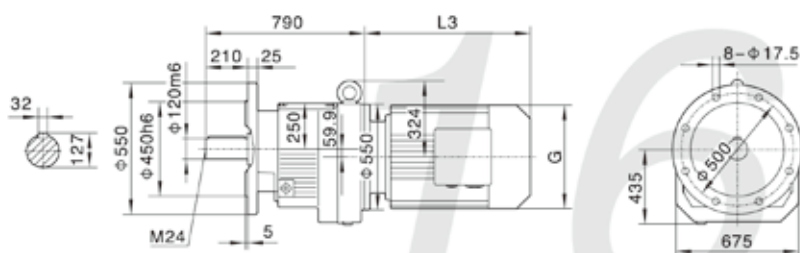


Customers provide the motor by themselves
need connected flange.

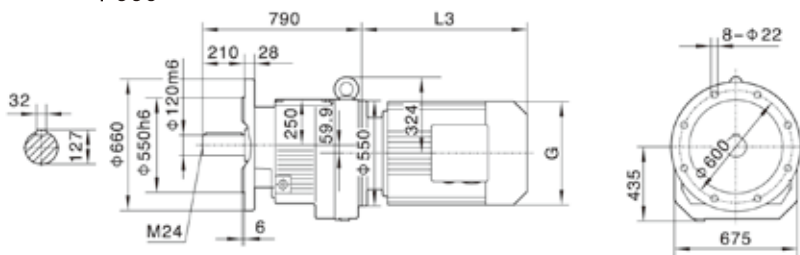


RF167

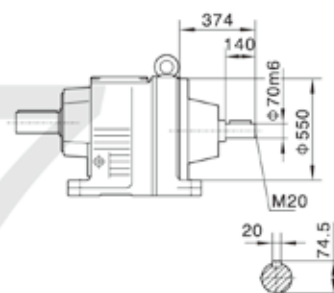
Φ 550



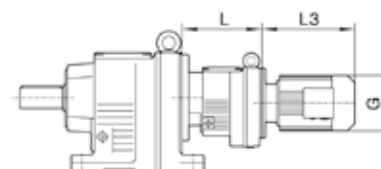
Φ 660



R..S167



R..167R97(R107)

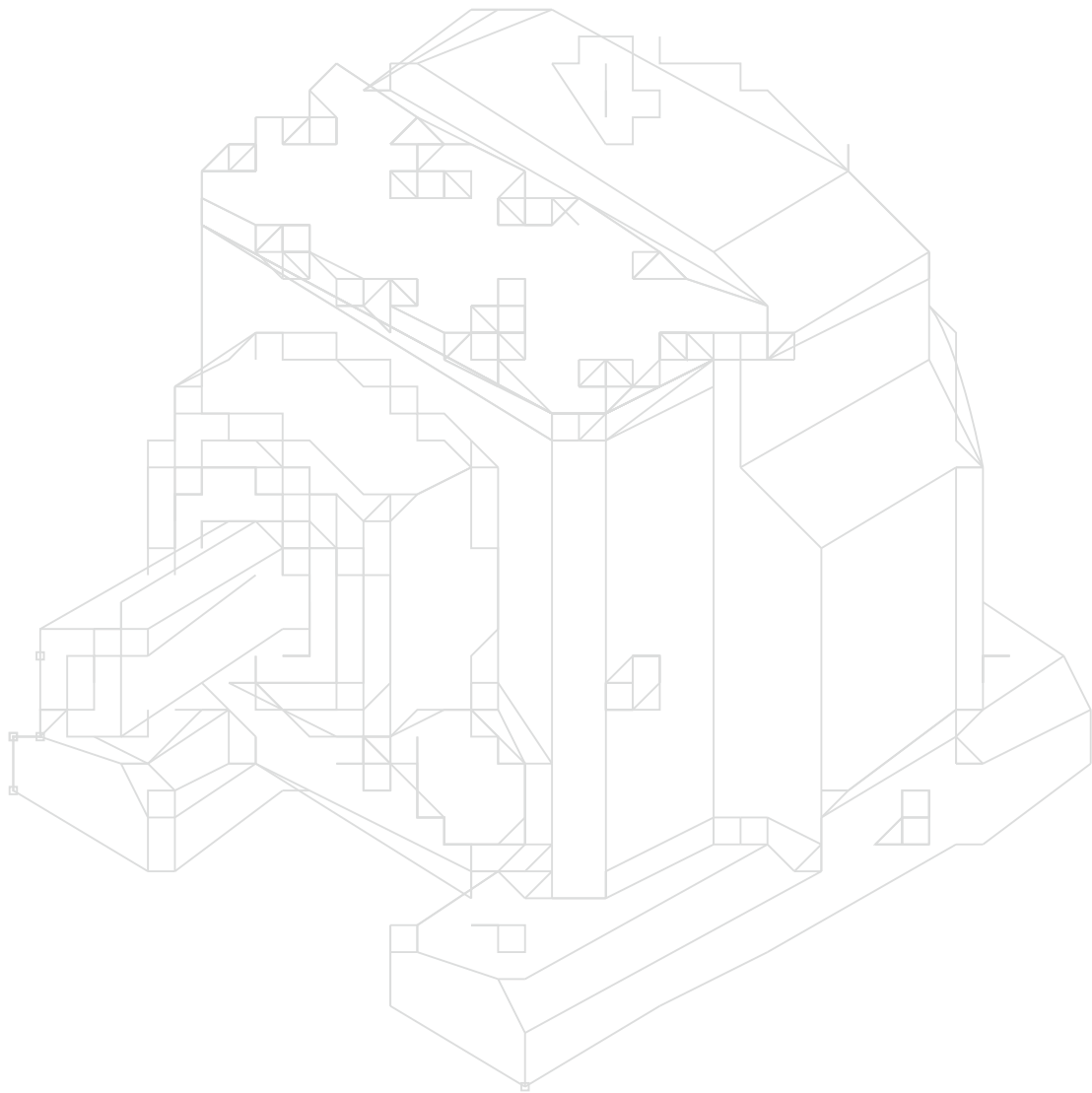


	R..167R97	R..167R107
L	320	370

Note: For other values please
refer to relevant structure.

Motor size	160M	160L	180M	180L	200	225S	225M	250	280S	280M	315S	315M	315L
Power/(kW)	11	15	18.5	22	30	37	45	55	75	90	110	132	160
L3	567	602	635	666	642	669	691	770	828	879	1100	1130	1360
G	330	330	380	380	420	470	470	510	580	580	645	645	645
L2	143	143	143	143	143	143	143	113	113	113	113	145	145

Note: "R.." means R, RF.



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