

Service factor:

Table 1				Driven machine factor				f1			
Driven equipment		Daily operating time with load(hour)		Driven equipment		Daily operating time with load(hour)					
								≤ 2	> 2-10	> 10	
Sewage treatment				Conveying machine							
Concentrator(Central Transmission)		-		Bucket conveyor		-			1.4	1.5	
Compressed filter		1.0		Winch		1.4			1.6	1.6	
Flocculator		0.8		Hoist		-			1.5	1.8	
Aerator		-		Belt conveyor≤150kW		1.0			1.2	1.3	
Collector		1.0		Belt conveyor≥150kW		1.1			1.3	1.4	
Vertical,rotary group				Elevators for goods*		-			1.2	1.5	
Blended collector		1.0		Elevators for customers*		-			1.5	1.8	
Concentrator		-		Scraper conveyor		-			1.2	1.5	
Screw pump		-		Automatic ladder		1.0			1.2	1.4	
Water wheel machine		-		Rail traveling mechanism		-			1.5	-	
Pump				Various frequency device		-			1.8	2.0	
Centrifugal pump		1.0		Reciprocating compressor		-			1.8	1.9	
Volume-down pump		1.3		Hoisting mechanism**							
1Piston		1.2		Rotary mechanism*					1.4	1.8	
>1Piston				Pitching mechanism					1.1	1.4	
Dredge				Traveling mechanism					1.6	2.0	
Bucket conveyor		-		Lifting mechanism					1.1	1.4	
Unloading device		-		Jibcrane					1.2	1.6	
Carterpillar traveling mechanism		1.2		Cooling tower							
Bucket digger				Cooling tower fan		-			-	2.0	
Be used for picking up		-		Fan (Shaft flow and centrifugal type)		-			1.4	1.5	
Be used for rough materials		-		Food industry							
Chopper		-		Sugar production							
Traveling mechanism*		-		Sugar-cane cutter*		-			-	1.7	
Plate blender		-		Sugar crane mill		-			-	1.7	
		1.0		Beet sugar production		-			-	1.2	
Chemical industry				Beet masher		-			-	1.4	
Extruder		-		Squeeze machine, mechanical refrigerator, cooking machine		-			-	1.5	
Paste mixer		-		Beet cleaner		-			-	1.5	
Rubber calendar		-		Beet chopper		-			-	1.5	
Cooling cylinder		-		Paper-making machinery							
Material mixer,be used for				Various kinds***		-			1.8	2.0	
Uniform medium		1.0		Pulper driving device				Supply goods according to customer requirements			
Non-uniform medium		1.4		Centrifugal compressor		-			1.4	1.5	
Blender,be used for				Rope way cable car							
Uniform density medium		1.0		Delivery ropeway		-			1.3	1.4	
Un-uniformed medium		1.2		Cableway of shuttle system		-			1.6	1.8	
Un-uniformed gas absorption		1.4		T rod elevator		-			1.3	1.4	
Oven		1.0		Continuous cableway		-			1.4	1.6	
Centrifugal machine		1.0		Cement industry							
Metal processing equipment				Concrete blender		-			1.5	1.5	
Plate turnover		1.0		Crusher*		-			1.2	1.4	
Steel pushing device		1.0		Rotary kiln		-			-	2.0	
Winding machine		-		Tube mill		-			-	2.0	
Cooling bed transverse frame		-		Powder concentrator		-			1.6	1.6	
Roller leveler		-		Roller press		-			-	2.0	
Roller path											
Continuous		-									
Interval		-									
Reversing mill		-									
Cutter											
Continuous*		-									
Crank type*		1.0									
Continuous casting driving device		-									
Rolling mill											
Reversing cogging mill		-									
Reversing plate slab mill		-									
Reversing wire mill		-									
Reversing thin plate mill		-									
Reversing middle thickness plate mill		-									
Roll gap adjusting and driving device		0.9									

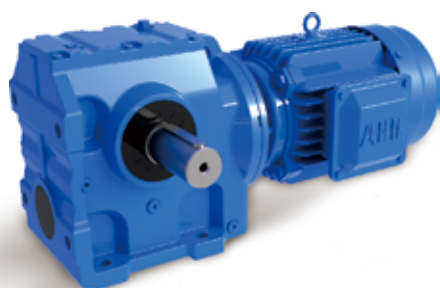
Table 1				Driven machine factor				f ₁		
Driven equipment	Daily running time with load(hour)			Driven equipment	Daily running time with load(hour)					
	≤ 2	> 2-10	> 10		≤ 2	> 2-10	> 10			
Wood industry				Plastics industry						
Barking machine				Miller, compound grinding						
Feed drive	1.25	1.25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

⚠ Note: Determine required power P₂ of the driven equipment:
 *)Determine rated power according to maximum torque.
 **)It's necessary to check thermal capacity.

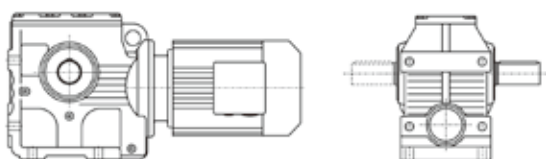
Prime mover factor

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

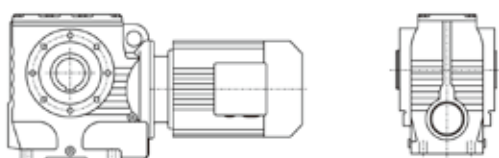
Table 3 Start factor	f ₃			
f ₃ \ f ₁ × f ₂	1	1.25 -1.75	2- 2.75	≥ 3
Starts per hour				
≤ 5	1	1	1	1
6-25	1.2	1.12	1.06	1
26-60	1.3	1.2	1.12	1.06
61-180	1.5	1.3	1.2	1.12
> 180	1.7	1.5	1.3	1.2



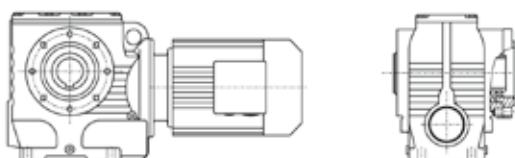
S series gear units are available in the following designs:



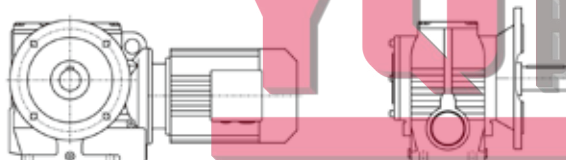
S..Y..
Foot-mounted solid shaft helical-worm gear units



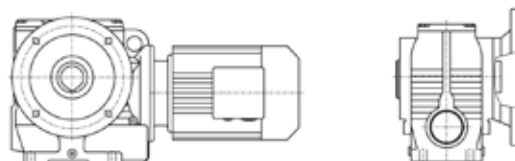
SA...Y...
Hollow shaft helical-worm gear units



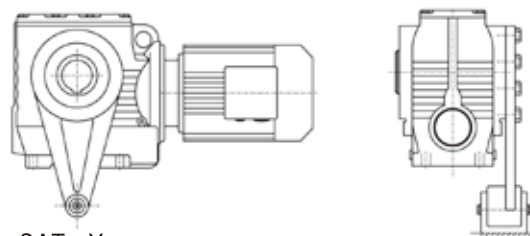
SAZ...Y...
Short-flange-mounted hollow shaft helical-worm gear units



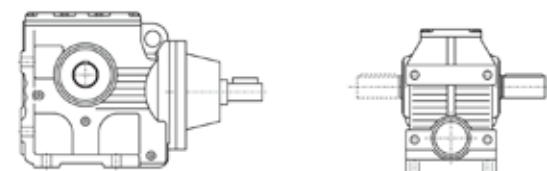
SF...Y..
Flange-mounted solid shaft helical-worm gear units



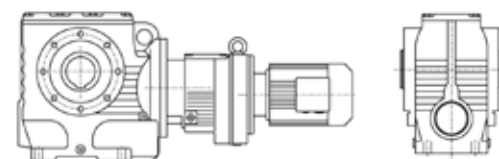
SAF...Y..
Flange-mounted hollow shaft helical-worm gear units



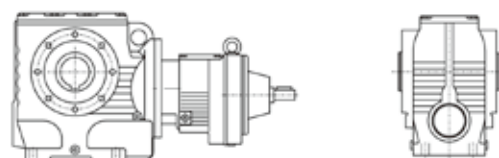
SAT...Y..
Torque-arm-mounted hollow shaft helical-worm gear units



S(SF, SA, SAF, SAZ) S...
Helical-worm gear units with solid shaft input



SA(S, SF, SAF, SAZ) ...R...Y...
Combi-type helical-worm gear units



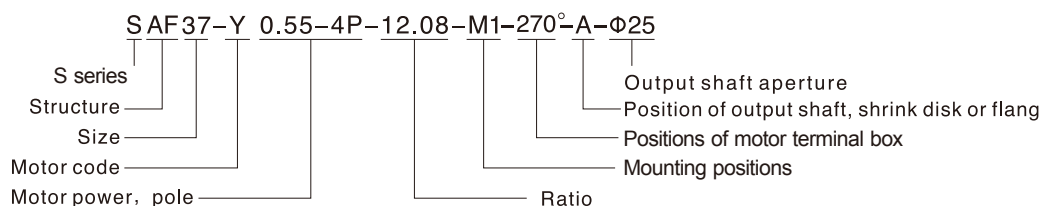
SA(S, SF, SAF, SAZ) S...R...
Combi-type helical-worm gear units with solid shaft input



SA(S, SF, SAF, SAZ) ...Y...

Customers provide the motor by themselves need connected flange.

Type Designations:



R series:
Helical-worm gear units

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

Size:
(see selection table)

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

Motor power, pole :
See selection table

Ratio:
See selection table

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

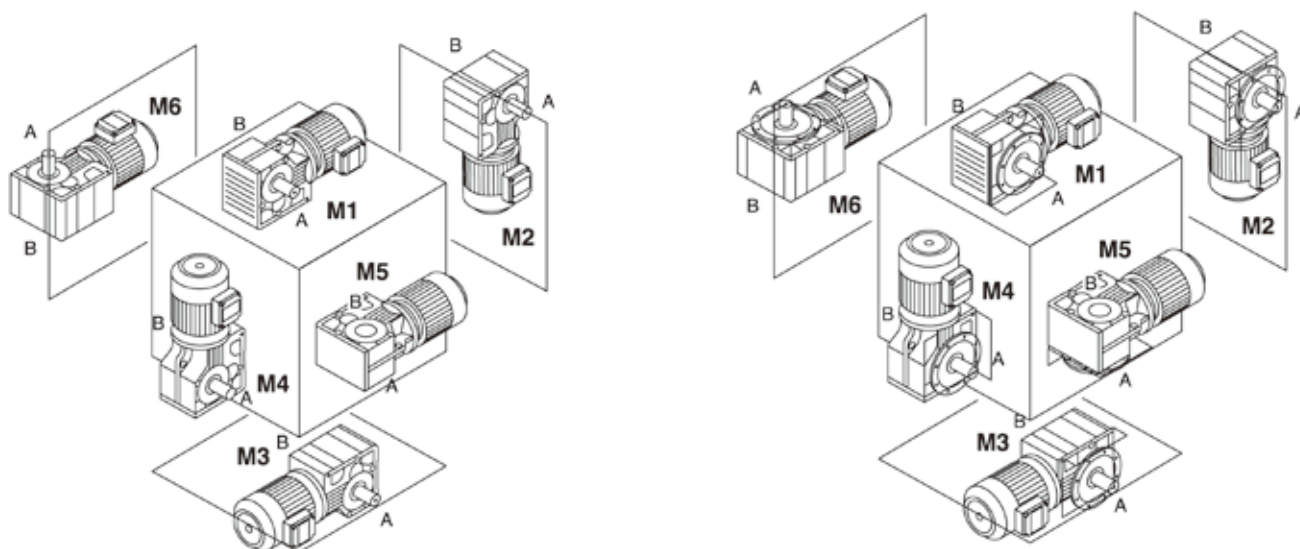
Positions of motor terminal box:
0°, 90°, 180°, 270°(See page 03)

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

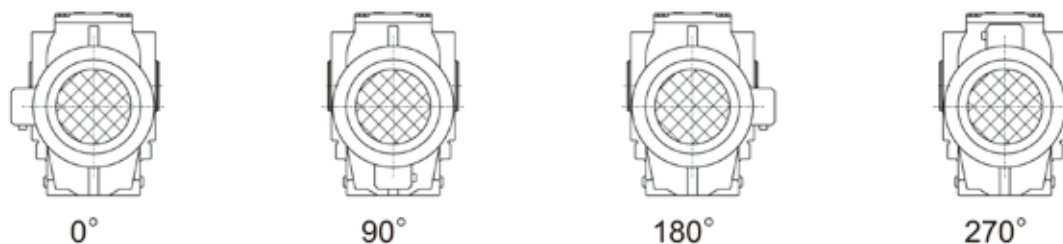
Output shaft aperture:
See the chart of mounting dimension (It will be omitted when applying with solid output shaft)

*Dimensions of hollow shaft with shrink disc, see page 22-23.

Mounting positions



Positions of motor terminal box



Input power rating and permissible torque

Size	37	47	57	67	77	87	97
Structure	S SA SF SAF SAT SAZ						
Input power rating (kW)	0.18~0.75	0.18~1.5	0.18~3	0.25~5.5	0.55~7.5	0.75~15	1.5~22
Ratio	10.27~165.71	11.46~244.74	10.78~196.21	11.55~227.20	9.96~241.09	11.83~223.26	12.75~230.48
Permissible torque (n.m)	90	170	300	520	1270	2280	4000

ChinaTransmissions

Gear unit weight

Size	37	47	57	67	77	87	97
Weight (kgs)	7	10	14	26	50	100	170

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

Oil

S...:

Size	Oil level (L)					
	M1	M2	M3 ¹⁾	M4	M5	M6
S37	0.25	0.4	0.5	0.6	0.4	0.4
S47	0.35	0.8	0.7	1.1	0.8	0.8
S57	0.5	1.2	1	1.5	1.3	1.3
S67	1	2.0	2.2/3.1	3.2	2.6	2.6
S77	1.9	4.2	3.7/5.4	6	4.4	4.4
S87	3.3	8.1	6.9/10.4	12	8.4	8.4
S97	6.8	15	13.4/18	22.5	17	17

SF...:

Size	Oil level (L)					
	M1	M2	M3 ¹⁾	M4	M5	M6
SF37	0.25	0.4	0.5	0.6	0.4	0.4
SF47	0.4	0.9	0.9	1.2	1.0	1.0
SF57	0.5	1.2	1	1.6	1.4	1.4
SF67	1	2.2	2.3/3	3.2	2.7	2.7
SF77	1.9	4.1	3.9/5.8	6.5	4.9	4.9
SF87	3.8	8	7.1/10.1	12	9.1	9.1
SF97	7.4	15	13.8/18.8	23.6	18	18

SA..., SAF..., SAZ...:

Size	Oil level (L)					
	M1	M2	M3 ¹⁾	M4	M5	M6
S..37	0.25	0.4	0.5	0.6	0.4	0.4
S..47	0.4	0.8	0.7	1.1	0.8	0.8
S..57	0.5	1.1	1	1.6	1.2	1.2
S..67	1	2.0	1.8/2.6	2.9	2.5	2.5
S..77	1.8	3.9	3.6/5	5.9	4.5	4.5
S..87	3.8	7.4	6/8.7	11.2	8	8
S..97	7	14	11.4/16	21	15.7	15.7

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

Output speed r/min	Output torque Nm	Ratio i	Service factor f_B	Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor f_B	Type	Pole p
0.18kW						0.18kW					
0.30	2579	4606	0.83			9.5	109	146.84	1.47		
0.36	2563	3872	0.84			10	102	137.25	1.57		
0.40	2515	3475	0.85	S 87R57	4	12	88	118.64	1.82	S 47	4
0.48	2394	2905	0.90	SF 87R57	4	14	75	100.80	2.14	SF 47	4
0.54	2239	2586	0.96	SA 87R57	4	15	67	90.00	2.40	SA 47	4
0.60	2021	2335	1.06	SAF87R57	4	18	57	76.88	2.80	SAF47	4
0.68	1778	2054	1.21			19	53	72.00	2.99		
0.76	1579	1824	1.36			23	45	60.65	3.56		
0.85	1412	1631	1.52								
0.99	1215	1404	0.98			9.1	113	152.00	0.80		
1.1	1078	1245	1.11			11	96	129.41	0.89		
1.3	952	1100	1.25	S 77R37	4	12	83	111.58	1.03		
1.5	826	954	1.45	SF 77R37	4	13	77	104.00	1.10		
1.7	725	837	1.65	SA 77R37	4	15	67	90.91	1.26		
1.9	618	714	1.93	SAF77R37	4	16	63	85.22	1.34		
2.2	551	637	2.2			18	56	75.20	1.52		
2.4	497	574	2.4			21	49	66.67	1.72		
						25	45	56.67	1.89		
						27	42	52.00	2.02	S 37	4
						31	39	45.45	2.16	SF 37	4
						33	37	42.61	2.30	SA 37	4
						37	33	37.60	2.61	SAF37	4
						42	29	33.33	2.95		
						49	25	28.33	3.47		
						59	23	23.46	3.66		
						74	19	18.85	4.56		
						84	16	16.48	5.21		
						90	15	15.45	5.56		
						102	13	13.63	6.30		
						115	12	12.08	7.11		
						135	10	10.27	8.37		
						0.25kW					
						0.48	2495	2905	0.86		
						0.54	2470	2586	0.87	S 87R57	4
						0.60	2406	2335	0.89	SF 87R57	4
						0.68	2221	2054	0.96	SA 87R57	4
						0.76	2193	1824	0.98	SAF87R57	4
						0.85	1961	1631	1.09		
						1.5	1118	930	1.92		
						1.5	1147	954	1.04		
						1.7	1006	837	1.19	S 77R37	4
						1.9	858	714	1.39	SF 77R37	4
						2.2	766	637	1.56	SA 77R37	4
						2.4	690	574	1.73	SAF77R37	4
						2.8	600	499	1.99		
						2.6	564	543	0.87		
						3.0	560	469	0.87	S 67R37	4
						3.3	510	424	0.96	SF 67R37	4
						3.8	439	365	1.11	SA 67R37	4
						4.4	384	319	1.27	SAF67R37	4
						4.9	338	281	1.45		
						4.7	353	294	0.80		
						5.2	323	269	0.87	S 57R17	4
						6.1	275	229	1.02	SF 57R17	4
						6.8	245	204	1.15	SA 57R17	4
						7.4	225	187	1.25	SAF57R17	4
						8.4	198	165	1.42		
						11	158	131	1.79		
						2.8	505	227.20	0.97	S 67	8
						3.1	456	205.11	1.07	SF 67	8
						3.6	401	180.46	1.22	SA 67	8
						3.8	378	170.40	1.29	SAF67	8
						4.5	320	144.00	1.53		

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					
3.7	383	227.20	1.28			0.68	2611	2054	0.82	S 87R57	4
4.1	346	205.11	1.41	S 67	6	0.76	2488	1824	0.86	SF 87R57	4
4.7	304	180.46	1.61	SF 67	6	0.85	2318	1631	0.92	SA 87R57	4
5.0	287	170.40	1.70	SA 67	6	1.5	1655	930	1.29	SAF87R57	4
5.9	243	144.00	2.01	SAF67	6	1.7	1479	831	1.45		
6.1	234	227.20	2.09			1.9	1271	714	0.94		
6.8	211	205.11	2.31			2.2	1134	637	1.05	S 77R37	4
7.7	186	180.46	2.63	S 67	4	2.4	1021	574	1.17	SF 77R37	4
8.2	176	170.40	2.78	SF 67	4	2.8	888	499	1.34	SA 77R37	4
9.7	148	144.00	3.30	SA 67	4	3.2	779	438	1.53	SAF77R37	4
11	134	130.00	3.65	SAF67	4	3.6	692	389	1.72		
12	118	114.38	4.15			3.8	557	365	0.88	S 67R37	4
13	111	108.00	4.39			4.4	568	319	0.92	SF 67R37	4
4.3	331	196.21	0.85	S 57	6	4.9	500	281	0.98	SA 67R37	4
4.7	304	180.40	0.93	SF 57	6	5.7	438	246	1.12	SAF67R37	4
5.5	260	154.35	1.08	SA 57	6						
6.4	225	133.79	1.25	SAF57	6	3.0	702	222.00	3.03	S 87	8
6.8	211	125.05	1.34			3.4	627	198.00	3.42	SF 87	8
7.1	202	196.21	1.39			4.0	527	166.43	4.07	SA 87	8
7.7	186	180.40	1.52							SAF87	8
9.0	159	154.35	1.77	S 57	4	2.8	763	241.09	1.57	S 77	8
10	138	133.79	2.05	SF 57	4	3.3	652	206.04	1.83	SF 77	8
11	129	125.05	2.19	SA 57	4	3.5	598	188.89	2.00	SA 77	8
13	111	108.09	2.53	SAF57	4	4.0	524	165.75	2.28	SAF77	8
15	95	91.84	2.98			4.3	497	157.08	2.40		
17	85	82.00	3.34								
7.0	204	197.73	0.81			3.9	544	227.20	0.90	S 67	6
8.3	173	168.00	0.92			4.3	491	205.11	1.00	SF 67	6
9.3	155	150.00	1.04			4.9	432	180.46	1.13	SA 67	6
9.5	151	146.84	1.06			5.2	408	170.40	1.20	SAF67	6
10	141	137.25	1.13			6.1	345	144.00	1.42		
12	122	118.64	1.31	S 47	4	6.1	347	227.20	1.41		
14	104	100.80	1.54	SF 47	4	6.8	313	205.11	1.56		
15	93	90.00	1.73	SA 47	4	7.7	275	180.46	1.78	S 67	4
18	79	76.88	2.02	SAF47	4	8.2	260	170.40	1.88	SF 67	4
19	74	72.00	2.16			9.7	220	144.00	2.23	SA 67	4
23	71	60.65	2.24			11	198	130.00	2.47	SAF67	4
24	63	59.32	2.56			12	174	114.38	2.80		
28	61	50.40	2.64								
31	54	45.00	2.96			5.7	370	154.35	0.81		
						6.6	321	133.79	0.88	S 57	6
						7.1	300	125.05	0.94	SF 57	6
						8.2	259	108.09	1.09	SA 57	6
						9.6	220	91.84	1.28	SAF57	6
						10.8	196	82.00	1.44		
13	107	104.00	0.81			7.1	299	196.21	0.94		
15	94	90.91	0.91			7.7	275	180.40	1.02		
16	88	85.22	0.97			9.0	235	154.35	1.20		
18	77	75.20	1.10			10	204	133.79	1.38	S 57	4
21	69	66.67	1.24			11	191	125.05	1.48	SF 57	4
25	63	56.67	1.36			13	165	108.09	1.71	SA 57	4
27	58	52.00	1.46			15	140	91.84	2.01	SAF57	4
31	55	45.45	1.56			17	125	82.00	2.25		
33	51	42.61	1.66			20	119	70.04	2.64		
37	45	37.60	1.88	S 37	4	21	111	66.89	2.37		
42	40	33.33	2.12	SF 37	4	22	107	62.53	2.53		
49	34	28.33	2.50	SA 37	4	10	209	137.25	0.80	S 47	4
59	32	23.46	2.64	SAF37	4	12	181	118.64	0.88	SF 47	4
74	26	18.85	3.28			14	154	100.80	1.04	SA 47	4
84	23	16.48	3.75			15	137	90.00	1.17	SAF47	4
90	21	15.45	4.00			18	117	76.88	1.36		
102	19	13.63	4.54								
115	17	12.08	5.12								
135	14	10.27	6.02								

Output speed r/min	Output torque Nm	Ratio i	Service factor f_B	Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor f_B	Type	Pole p
0.37kW						0.55kW					
19	110	72.00	1.46			3.7	859	241.09	1.39	S 77	6
23	106	60.65	1.52			4.3	734	206.04	1.63	SF 77	6
24	93	59.32	1.73			4.7	673	188.89	1.78	SA 77	6
28	90	50.40	1.78			5.3	590	165.75	2.02	SAF77	6
31	80	45.00	2.00	S 47	4	5.6	559	157.08	2.13		
36	68	38.44	2.34	SF 47	4					S 77	4
39	64	36.00	2.50	SA 47	4	5.8	547	241.09	2.18	SF 77	4
46	54	30.33	2.96	SAF47	4	6.7	467	206.04	2.56	SA 77	4
50	56	27.74	2.84			7.4	428	188.89	2.79	SAF77	4
54	53	25.93	3.03								
62	46	22.41	3.51			6.1	515	227.20	0.95		
73	39	19.04	4.13			6.8	465	205.11	1.05		
82	35	17.00	4.63			7.7	409	180.46	1.20		
						8.2	386	170.40	1.27		
21	102	66.67	0.84			9.7	326	144.00	1.50	S 67	4
25	93	56.67	0.92			11	295	130.00	1.66	SF 67	4
27	86	52.00	0.98			12	259	114.38	1.89	SA 67	4
31	81	45.45	1.05			13	245	108.00	2.00	SAF67	4
33	76	42.61	1.12			15	208	91.96	2.35		
37	67	37.60	1.27	S 37	4	17	189	83.57	2.58		
42	59	33.33	1.43	SF 37	4	19	172	72.39	2.98		
49	50	28.33	1.69	SA 37	4	21	164	65.00	2.84		
59	48	23.46	1.78	SAF37	4						
74	38	18.85	2.22			9.6	327	91.84	0.86		
84	34	16.48	2.54			11	292	82.00	0.97		
90	31	15.45	2.71			12	251	70.40	1.01	S 57	6
102	28	13.63	3.07			13	278	66.89	1.12	SF 57	6
115	25	12.08	3.46			14	260	62.53	1.09	SA 57	6
135	21	10.27	4.07			16	225	54.05	1.26	SAF57	6
						19	191	45.92	1.48		
						22	170	41.00	1.66		
						25	146	35.20	1.93		
0.55kW						0.55kW					
1.0	2517	1332	0.85			9.0	350	154.35	0.81		
1.2	2475	1191	0.87			10	303	133.79	0.93		
1.3	2460	1032	0.87	S 87R57	4	11	284	125.05	0.99		
1.5	2340	930	0.92	SF 87R57	4	13	245	108.09	1.15		
1.7	2198	831	0.97	SA 87R57	4	15	208	91.84	1.35		
1.9	1902	719	1.13	SAF87R57	4	17	186	82.00	1.52		
2.2	1651	624	1.30			20	177	70.40	1.59		
2.5	1476	558	1.45			21	165	66.89	1.70	S 57	4
3.2	1151	435	1.86			22	160	62.53	1.77	SF 57	4
						26	143	54.05	1.97	SA 57	4
2.8	1320	499	0.90			30	121	45.92	2.32	SAF57	4
3.2	1159	438	1.03	S 77R37	4	34	108	41.00	2.60		
3.6	1029	389	1.16	SF 77R37	4	40	93	35.02	3.04		
4.3	865	327	1.38	SA 77R37	4	42	91	32.80	3.10		
4.8	764	289	1.56	SAF77R37	4	46	87	30.12	3.25		
5.6	661	250	1.81			53	79	26.11	3.57		
						57	74	24.40	3.82		
5.7	558	246	0.84	S 67R37	4	66	64	21.09	4.42		
6.3	585	221	0.88	SF 67R37	4						
7.0	524	198	0.93	SA 67R37	4	18	174	76.88	0.92		
8.3	444	168	1.10	SAF67R37	4	19	163	72.00	0.98		
						23	157	60.65	1.02		
3.0	1044	222.00	2.05	S 87	8	25	138	59.32	1.16		
3.4	931	198.00	2.30	SF 87	8	28	133	50.40	1.20		
4.0	783	166.43	2.74	SA 87	8	31	119	45.00	1.34		
				SAF87	8	36	102	38.44	1.57	S 47	4
						39	95	36.00	1.68	SF 47	4
4.0	791	222.00	2.71	S 87	6	46	80	30.33	1.91	SA 47	4
4.5	705	198.00	3.04	SF 87	6	50	84	27.74	1.99	SAF47	4
5.3	593	166.43	3.62	SA 87	6	54	78	25.93	2.04		
				SAF87	6	62	68	22.41	2.36		
3.3	969	206.04	1.23	S 77	8	73	58	19.04	2.78		
3.5	888	188.89	1.34	SF 77	8	82	51	17.00	3.11		
4.0	780	165.75	1.53	SA 77	8	96	44	14.52	3.65		
4.3	739	157.08	1.62	SAF77	8	102	41	13.60	3.89		
						121	35	11.46	4.62		

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						0.75kW					
42	88	33.33	0.96			6.8	634	205.11	0.80		
49	75	28.33	1.13			7.7	558	180.46	0.88		
59	71	23.46	1.20			8.2	527	170.40	0.93		
74	57	18.85	1.49	S 37	4	9.7	445	144.00	1.10		
84	50	16.48	1.71	SF 37	4	11	402	130.00	1.22		
90	47	15.45	1.82	SA 37	4	12	354	114.38	1.38	S 67	4
102	41	13.63	2.06	SAF37	4	13	334	108.00	1.46	SF 67	4
115	37	12.08	2.33			15	284	91.96	1.72	SA 67	4
135	31	10.27	2.74			17	258	83.57	1.89	SAF67	4
0.75kW						19	224	72.39	2.09		
1.1	4411	1223	0.85			21	234	65.00	2.18		
1.3	3860	1070	0.97			22	206	63.00	2.37		
1.5	3347	928	1.12	S 97R57	4	24	195	57.19	2.51		
1.7	2972	824	1.27	SF 97R57	4	26	185	54.00	2.51		
1.9	2575	714	1.46	SA 97R57	4	30	166	45.98	2.95		
2.2	2258	626	1.67	SAF97R57	4	13	331	70.04	0.80		
2.6	1941	538	1.94			14	369	66.89	0.82	S 57	6
2.9	1746	484	2.2			15	345	62.53	0.85	SF 57	6
						17	298	54.05	0.95	SA 57	6
1.3	2659	1032	0.81			20	253	45.92	1.11	SAF57	6
1.5	2593	930	0.83			22	226	41.00	1.25		
1.7	2569	831	0.83	S 87R57	4						
1.9	2396	719	0.89	SF 87R57	4	13	334	108.09	0.84		
2.2	2251	624	0.95	SA 87R57	4	15	284	91.84	0.99		
2.5	2013	558	1.06	SAF87R57	4	17	254	82.00	1.11		
3.2	1569	435	1.37			20	217	70.04	1.17		
4.3	1165	323	1.84			21	241	66.89	1.25		
						22	226	62.53	1.30		
4.3	1179	327	1.01	S 77R37	4	26	195	54.05	1.45		
4.8	1042	289	1.15	SF 77R37	4	30	166	45.92	1.70	S 57	4
5.6	902	250	1.32	SA 77R37	4	34	148	41.00	1.91	SF 57	4
6.3	790	219	1.51	SAF77R37	4	40	126	35.02	2.23	SA 57	4
						42	118	32.80	2.27	SAF57	4
3.0	1457	230.48	2.58	S 97	8	46	124	30.12	2.38		
3.3	1311	207.48	2.87	SF 97	8	53	108	26.11	2.62		
3.6	1187	187.89	3.17	SA 97	8	57	101	24.40	2.80		
						66	87	21.09	3.24		
4.1	1048	222.00	2.04	S 87	6	78	74	17.92	3.82		
4.6	935	198.00	2.29	SF 87	6	87	66	16.00	4.28		
5.5	786	166.43	2.73	SA 87	6	102	56	13.67	5.00		
6.2	690	223.26	3.10	S 87	4	31	162	45.00	0.99		
7.0	612	198.00	3.50	SF 87	4	36	139	38.44	1.15		
8.4	515	166.43	4.16	SA 87	4	39	130	36.00	1.23		
						46	109	30.33	1.40	S 47	4
3.8	1139	241.09	1.05	S 77	6	50	114	27.74	1.46	SF 47	4
4.4	973	206.04	1.23	SF 77	6	54	107	25.93	1.50	SA 47	4
4.8	892	188.89	1.34	SA 77	6	62	92	22.41	1.73	SAF47	4
5.5	783	165.75	1.53	SAF77	6	73	78	19.04	2.04		
						82	70	17.00	2.28		
5.8	745	241.09	1.60			96	60	14.52	2.67		
6.7	637	206.04	1.87			102	56	13.60	2.85		
7.4	584	188.89	2.04	S 77	4	121	47	11.46	3.39		
8.4	512	165.75	2.33	SF 77	4	74	78	18.85	1.09		
8.8	486	157.08	2.46	SA 77	4	84	68	16.48	1.25	S 37	4
10	425	137.48	2.81	SAF77	4	90	64	15.45	1.33	SF 37	4
11	383	123.86	3.12			102	56	13.63	1.51	SA 37	4
13	336	108.65	3.55			115	50	12.08	1.71	SAF37	4
						135	42	10.27	2.01		

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
1.1kW						1.1kW					
1.7	4328	824	0.87			20	351	70.04	0.80		
2.0	3750	714	1.00	S 97R57	4	21	328	66.89	0.86		
2.2	3288	626	1.14	SF 97R57	4	22	315	62.53	0.89		
2.6	2826	538	1.33	SA 97R57	4	26	284	54.05	0.99		
2.9	2542	484	1.48	SAF97R57	4	30	241	45.92	1.17		
3.3	2206	420	1.70			34	215	41.00	1.31		
						40	184	35.02	1.53	S 57	4
2.2	2547	624	0.84			43	181	32.80	1.56	SF 57	4
2.5	2512	558	0.85			46	172	30.12	1.64	SA 57	4
2.9	2341	485	0.92			54	157	26.11	1.80	SAF57	4
3.2	2285	435	0.94	S 87R57	4	57	146	24.40	1.93		
3.7	1985	378	1.08	SF 87R57	4	66	127	21.09	2.23		
4.3	1697	323	1.26	SA 87R57	4	78	108	17.92	2.62		
5.0	1476	281	1.45	SAF87R57	4	88	96	16.00	2.94		
5.5	1339	255	1.60			102	82	13.67	3.44		
6.3	1166	222	1.84			109	77	12.80	3.67		
6.8	1077	205	1.99			130	65	10.78	4.36		
				S 77R37	4						
6.4	1150	219	1.04	SF 77R37	4	46	182	30.33	0.88		
				SA 77R37	4	50	167	27.74	0.96		
				SAF77R37	4	54	156	25.93	1.03	S 47	4
3.0	2136	230.48	1.76	S 97	8	62	135	22.41	1.19	SF 47	4
3.3	1923	207.48	1.96	SF 97	8	74	114	19.04	1.40	SA 47	4
3.6	1742	187.89	2.16	SA 97	8	82	102	17.00	1.57	SAF47	4
				SAF97	8	96	87	14.52	1.84		
						103	82	13.60	1.96		
3.9	1596	230.48	2.36	S 97	6	122	69	11.46	2.33		
4.4	1437	207.48	2.62	SF 97	6						
4.8	1301	187.89	2.89	SA 97	6						
				SAF97	6						
6.3	999	222.00	2.14			1.5kW					
7.1	891	198.00	2.40	S 87	4	2.0	4484	714	0.84		
8.4	749	166.43	2.86	SF 87	4	2.2	4383	626	0.86	S 97R57	4
9.2	689	152.95	3.11	SA 87	4	2.6	3853	538	0.98	SF 97R57	4
10.3	612	135.83	3.50	SAF87	4	2.9	3467	484	1.08	SA 97R57	4
						3.3	3008	420	1.25	SAF97R57	4
						3.7	2693	376	1.40		
						4.3	2342	327	1.61		
5.8	1085	241.09	1.10								
6.8	928	206.04	1.29			2.9	2707	485	0.79		
7.4	850	188.89	1.40			3.2	2481	435	0.86		
8.4	746	165.75	1.60	S 77	4	3.7	2313	378	0.93	S 87R57	4
8.9	707	157.08	1.69	SF 77	4	4.3	2225	323	0.96	SF 87R57	4
10	619	137.48	1.93	SA 77	4	5.0	2013	281	1.06	SA 87R57	4
11	558	123.86	2.14	SAF77	4	5.5	1826	255	1.17	SAF87R57	4
13	489	108.65	2.44			6.3	1590	222	1.35		
15	432	95.88	2.77			6.8	1468	205	1.46		
11	585	130.00	0.84			3.0	2871	230.48	1.31	S 97	8
12	515	114.38	0.95			3.3	2584	207.48	1.45	SF 97	8
13	486	108.00	1.01			3.7	2340	187.89	1.61	SA 97	8
15	414	91.96	1.18			4.1	2076	166.62	1.81	SAF97	8
17	376	83.57	1.30								
19	341	72.39	1.43	S 67	4	4.0	2153	230.48	1.75	S 97	6
22	326	65.00	1.50	SF 67	4	4.4	1938	207.48	1.94	SF 97	6
23	284	63.00	1.63	SA 67	4	4.9	1755	187.89	2.14	SA 97	6
24	300	57.19	1.72	SAF67	4	5.5	1557	166.62	2.42	SAF97	6
26	284	54.00	1.72								
30	242	45.98	2.02			6.1	1415	230.48	2.66	S 97	4
34	220	41.79	2.23			6.7	1274	207.48	2.95	SF 97	4
39	190	36.20	2.57			7.5	1154	187.89	3.26	SA 97	4
44	165	31.50	2.96							SAF97	4
53	139	26.40	3.53								
						4.1	2074	222.00	1.03	S 87	6
						4.6	1850	198.00	1.16	SF 87	6
						5.5	1555	166.43	1.38	SA 87	6
						6.1	1429	152.95	1.50	SAF87	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
1.5kW						2.2kW					
6.3	1363	222.00	1.56	S 87 SF 87 SA 87 SAF87	4	3.4	4350	420	0.86	S 97R57	4
7.1	1216	198.00	1.76			3.8	3894	376	0.97	SF 97R57	4
8.4	1022	166.43	2.10			4.3	3387	327	1.11	SA 97R57	4
9.2	939	152.95	2.28			4.9	2972	287	1.26	SAF97R57	4
10	834	135.83	2.57			5.6	2610	252	1.44		
12	746	121.44	2.87								
13	970	109.19	3.20			4.1	3091	230.48	1.22	S 97	6
15	582	94.77	3.68			4.5	2782	207.48	1.35	SF 97	6
						5.0	2520	187.89	1.49	SA 97	6
										SAF97	6
7.4	1160	188.89	1.03	S 77 SF 77 SA 77 SAF77	4	6.2	2046	230.48	1.84	S 97 SF 97 SA 97 SAF97	4
8.4	1018	165.75	1.17			6.8	1842	207.48	2.04		
8.9	964	157.08	1.24			7.6	1668	187.89	2.25		
10	844	137.48	1.41			8.5	1479	166.62	2.54		
11	760	123.86	1.57			9.4	1337	150.64	2.81		
13	667	108.65	1.79			11	1133	127.68	3.32		
15	589	95.88	2.03			13	990	111.52	3.80		
16	564	85.00	2.12			15	863	93.27	4.54		
18	522	78.78	2.29			17	828	83.31	4.36		
19	517	72.22	2.31								
22	454	63.38	2.63			6.4	1971	222.00	1.08	S 87 SF 87 SA 87 SAF87	4
23	430	60.06	2.78			7.2	1758	198.00	1.22		
27	377	52.57	3.17			8.5	1477	166.43	1.45		
30	339	47.36	3.52			9.3	1358	152.95	1.58		
34	298	41.54	4.01			10	1206	135.83	1.78		
						12	1078	121.44	1.99		
17	513	83.57	0.95	S 67 SF 67 SA 67 SAF67	4	13	969	109.19	2.21		
19	466	72.39	1.05			15	841	94.77	2.55		
22	444	65.00	1.10			17	753	84.86	2.74		
23	410	63.00	1.19			19	733	75.63	2.84		
24	387	57.19	1.26			20	700	70.40	3.06		
26	367	54.00	1.26			21	630	67.62	3.40		
30	329	45.98	1.48			23	625	60.80	3.43		
34	299	41.79	1.63			27	547	52.77	3.92		
39	259	36.20	1.89								
44	226	31.50	2.17			10	1220	137.48	0.98	S 77 SF 77 SA 77 SAF77	4
53	216	26.40	2.26			11	1100	123.86	1.09		
59	195	23.83	2.51			13	965	108.65	1.24		
67	171	20.92	2.86			15	851	95.88	1.40		
71	162	19.80	3.02			17	755	85.00	1.46		
83	138	16.86	3.54			18	816	78.78	1.58		
91	125	15.32	3.90			20	748	72.22	1.60		
106	109	13.27	4.50			22	656	63.38	1.82		
121	95	11.55	5.17			24	622	60.06	1.92		
						27	544	52.57	2.19		
43	247	32.80	1.20	S 57 SF 57 SA 57 SAF57	4	30	491	47.36	2.43		
46	235	30.12	1.14			34	430	41.54	2.78		
54	214	26.11	1.32			39	380	36.66	3.14		
57	200	24.40	1.41			44	337	32.50	3.55		
66	173	21.09	1.63			51	307	27.75	3.89		
78	147	17.92	1.92			55	287	25.93	4.15		
88	131	16.00	2.15			62	269	22.75	4.43		
102	112	13.67	2.52			66	255	21.56	4.68		
109	105	12.80	2.69								
130	88	10.78	3.20			31	476	45.98	1.03	S 67 SF 67 SA 67 SAF67	4
						34	433	41.79	1.13		
96	119	14.52	1.35	S 47 SF 47 SA 47 SAF47	4	39	375	36.20	1.30		
103	111	13.60	1.44			45	326	31.50	1.50		
122	94	11.46	1.71			54	312	26.40	1.56		
						60	282	23.83	1.73		
						68	248	20.97	1.97		
						72	234	19.80	2.09		
						84	200	16.86	2.45		
						93	181	15.32	2.70		
						107	157	13.27	3.11		
						123	137	11.55	3.58		

Output speed r/min	Output torque Nm	Ratio i	Service factor f_B	Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor f_B	Type	Pole p
2.2kW						3kW					
89	189	16.00	1.49	S 57	4	39	511	36.20	0.96		
104	162	13.67	1.74	SF 57	4	45	445	31.50	1.10		
111	152	12.80	1.86	SA 57	4	54	426	26.40	1.15		
132	128	10.78	2.21	SAF57	4	60	385	23.83	1.27	S 67	4
3kW						68	338	20.97	1.44	SF 67	4
4.9	4053	287	0.93	S 97R57	4	72	320	19.80	1.53	SA 67	4
				SF 97R57	4	84	272	16.86	1.80	SAF67	4
				SA 97R57	4	93	247	15.32	1.98		
				SAF97R57	4	107	214	13.27	2.28		
6.2	2790	230.48	1.35			123	186	11.55	2.62		
6.8	2512	207.48	1.50			104	221	13.67	1.28	S 57	4
7.6	2275	187.89	1.65			111	207	12.80	1.36	SF 57	4
8.5	2017	166.62	1.86	S 97	4	132	174	10.78	1.62	SA 57	4
9.4	1824	150.64	2.06	SF 97	4					SAF57	4
11	1546	127.68	2.43	SA 97	4	4kW					
13	1350	111.52	2.79	SAF97	4	6.2	3668	230.48	1.02		
15	1129	93.27	3.20			6.9	3302	207.48	1.14		
17	1177	83.31	3.33			7.7	2991	187.89	1.26		
18	978	80.75	3.85			8.6	2652	166.62	1.42		
8.5	2015	166.43	1.06			9.6	2398	150.64	1.57	S 97	4
9.3	1852	152.95	1.16			11	2032	127.68	1.85	SF 97	4
10	1644	135.83	1.30			13	1775	111.52	2.12	SA 97	4
12	1470	121.44	1.46			15	1547	93.27	2.43	SAF97	4
13	1322	109.19	1.62			17	1485	83.31	2.53		
15	1147	94.77	1.87			18	1399	80.75	2.93		
17	1027	84.86	2.01	S 87	4	19	1285	75.32	2.69		
19	1068	75.63	2.09	SF 87	4	23	1185	63.84	3.17		
20	955	70.40	2.24	SA 87	4	26	1035	55.76	3.63		
21	859	67.62	2.50	SAF87	4	12	1933	121.44	1.11		
23	852	60.80	2.51			13	1738	109.19	1.23		
27	745	52.77	2.88			15	1508	94.77	1.42		
30	696	47.25	3.08			17	1404	84.86	1.53		
33	667	43.13	3.21			19	1351	75.63	1.59		
36	617	39.20	3.47			20	1256	70.40	1.71		
37	554	38.25	3.87			21	1129	67.62	1.90		
42	481	34.09	4.45			24	1121	60.80	1.91	S 87	4
17	1113	85.00	1.07			27	980	52.77	2.19	SF 87	4
18	1029	78.78	1.16			30	915	47.25	2.34	SA 87	4
20	1020	72.22	1.17			33	877	43.13	2.44	SAF87	4
22	895	63.38	1.33			37	812	39.20	2.64		
24	848	60.06	1.41			38	728	38.25	2.94		
27	742	52.57	1.61			42	682	34.09	3.14		
30	669	47.36	1.79			45	633	32.15	3.39		
34	587	41.54	2.04	S 77	4	49	627	29.55	3.42		
39	518	36.66	2.31	SF 77	4	55	557	26.24	3.85		
44	459	32.50	2.60	SA 77	4	61	498	23.46	4.30		
51	419	27.75	2.85	SAF77	4	24	1115	60.06	1.07		
55	392	25.93	3.05			27	976	52.57	1.22		
62	367	22.75	3.25			30	879	47.36	1.36		
66	348	21.56	3.43			35	771	41.54	1.55		
75	305	18.87	3.92			39	681	36.66	1.75		
84	274	17.00	4.35			44	604	32.50	1.98		
95	241	14.91	4.96			52	550	27.75	2.17	S 77	4
108	212	13.16	5.62			56	515	25.93	2.32	SF 77	4
122	188	11.67	6.34			63	483	22.75	2.47	SA 77	4
143	161	9.96	7.43			67	458	21.56	2.61	SAF77	4
						76	400	18.87	2.98		
						85	361	17.00	3.31		
						97	316	14.91	3.77		
						109	279	13.16	4.28		
						123	248	11.67	4.82		
						145	211	9.96	5.65		

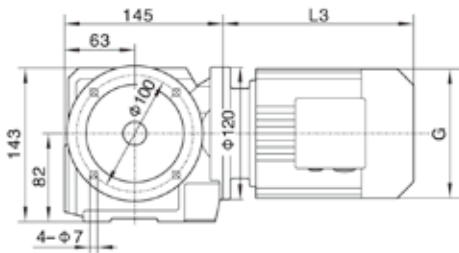
Output speed r/min	Output torque Nm	Ratio i	Service factor f_B	Type Type	Pole p	Output speed r/min	Output torque Nm	Ratio i	Service factor f_B	Type Type	Pole p
4kW						7.5kW					
73	420	19.80	1.16	S 67	4	13	3304	111.52	1.14		
85	358	16.86	1.37	SF 67	4	16	2880	93.27	1.31		
94	325	15.32	1.50	SA 67	4	17	2764	83.31	1.36		
109	282	13.27	1.74	SAF67	4	18	2604	80.75	1.44		
125	245	11.55	1.99			19	2393	75.32	1.57		
5.5kW						23	2207	63.84	1.70	S 97	4
8.6	3647	166.62	1.03			26	1928	55.76	1.95	SF 97	4
9.6	3297	150.64	1.14			31	1612	46.64	2.33	SA 97	4
11	2794	127.68	1.35			36	1438	40.38	2.62	SAF97	4
13	2441	111.52	1.54			40	1396	36.39	2.69		
15	2127	93.27	1.77	S 97	4	45	1294	32.76	2.91		
17	2041	83.31	1.84	SF 97	4	49	1172	29.67	3.21		
18	1923	80.75	1.96	SA 97	4	55	1039	26.31	3.62		
19	1767	75.32	2.13	SAF97	4	61	940	23.79	4.00		
23	1630	63.84	2.31			72	796	20.16	4.72		
26	1424	55.76	2.64								
31	1191	46.64	3.16			31	1704	47.25	1.26		
36	1031	40.38	3.65			34	1633	43.13	1.31		
						37	1511	39.20	1.42		
17	1931	84.86	1.11			38	1355	38.25	1.58		
19	1857	75.63	1.15			43	1270	34.09	1.69		
20	1727	70.40	1.24			45	1178	32.15	1.82	S 87	4
21	1552	67.62	1.38			49	1167	29.55	1.84	SF 87	4
24	1541	60.80	1.39			56	1037	26.24	2.07	SA 87	4
27	1347	52.77	1.59			62	927	23.46	2.31	SAF87	4
30	1259	47.25	1.70			69	833	21.09	2.57		
33	1206	43.13	1.78	S 87	4	80	723	18.31	2.96		
37	1116	39.20	1.92	SF 87	4	89	648	16.39	3.31		
38	1001	38.25	2.14	SA 87	4	107	537	13.60	3.99		
42	938	34.09	2.28	SAF87	4	123	467	11.83	4.59		
45	870	32.15	2.46								
49	862	29.55	2.49			53	1024	27.75	1.17		
55	766	26.24	2.80			56	959	25.93	1.24		
61	685	23.46	3.13			64	899	22.75	1.33	S 77	4
68	615	21.09	3.48			68	852	21.56	1.40	SF 77	4
79	534	18.31	4.01			77	746	18.87	1.60	SA 77	4
88	478	16.39	4.48			86	672	17.00	1.78	SAF77	4
106	397	13.60	5.40			98	589	14.91	2.03		
122	345	11.83	6.21			111	520	13.16	2.30		
						125	461	11.67	2.59		
35	1061	41.54	1.13			147	394	9.96	3.03		
39	936	36.66	1.28								
44	830	32.50	1.44			11kW					
52	757	27.75	1.58			26	2808	55.76	1.34		
56	709	25.93	1.69	S 77	4	31	2349	46.64	1.60		
63	664	22.75	1.80	SF 77	4	36	2095	40.38	1.80		
67	629	21.56	1.90	SA 77	4	40	2034	36.39	1.85	S 97	4
76	551	18.87	2.17	SAF77	4	45	1886	32.76	1.99	SF 97	4
85	496	17.00	2.41			49	1708	29.67	2.20	SA 97	4
97	435	14.91	2.74			55	1514	26.31	2.48	SAF97	4
109	384	13.16	3.11			61	1369	23.79	2.75		
123	341	11.67	3.51			72	1160	20.16	3.24		
145	291	9.96	4.11			83	1014	17.61	3.71		
						99	848	14.73	4.43		
94	447	15.32	1.09	S 67	4	115	734	12.75	5.12		
109	387	13.27	1.26	SF 67	4						
125	337	11.55	1.45	SA 67	4	56	1510	26.24	1.42		
						62	1350	23.46	1.59	S 87	4
						69	1214	21.09	1.77	SF 87	4
						80	1054	18.31	2.03	SA 87	4
						89	943	16.39	2.27	SAF87	4
						107	783	13.60	2.74		
						123	681	11.83	3.15		

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
15kW											
31	3203	46.64	1.17								
36	2856	40.38	1.32								
40	2773	36.39	1.36								
45	2571	32.76	1.46	S 97	4						
49	2329	29.67	1.61	SF 97	4						
55	2065	26.31	1.82	SA 97	4						
61	1867	23.79	2.01	SAF97	4						
72	1582	20.16	2.38								
83	1382	17.61	2.72								
99	1156	14.73	3.25								
115	1001	12.75	3.76								
89	1287	16.39	1.67	S 87	4						
107	1068	13.60	2.01	SF 87	4						
123	929	11.83	2.31	SA 87	4						
				SAF87	4						
18.5kW											
40	3499	36.39	1.07								
45	3150	32.76	1.19								
50	2853	29.67	1.32	S 97	4						
56	2530	26.31	1.49	SF 97	4						
62	2287	23.79	1.64	SA 97	4						
73	1938	20.16	1.94	SAF97	4						
83	1693	17.61	2.22								
100	1416	14.73	2.65								
115	1226	12.75	3.07								
22kW											
56	3008	26.31	1.25								
62	2720	23.79	1.38	S 97	4						
73	2305	20.16	1.63	SF 97	4						
83	2014	17.61	1.87	SA 97	4						
100	1684	14.73	2.23	SAF97	4						
115	1458	12.75	2.58								
 阳奇传动 											

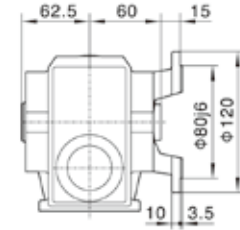
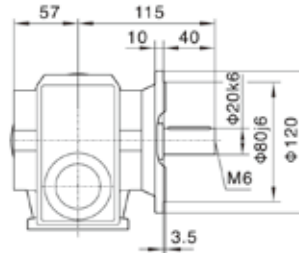
Permissible torque	Output speed	Ratio	Type	Power	Permissible torque	Output speed	Ratio	Type	Power			
Nm	r/min	i	Type	kW/4p	Nm	r/min	i	Type	kW/4p			
90	7.8	179	S 37R17 SF 37R17 SA 37R17 SAF37R17	0.18	2280	0.24	5875	S 87R57 SF 87R57 SA 87R57 SAF87R57	0.18			
	8.8	158				0.27	5187					
	9.7	144				0.30	4606					
	12	118				0.36	3872					
	13	110		0.25		0.40	3475		0.25			
170	3.6	388	S 47R17 SF 47R17 SA 47R17 SAF47R17	0.18		0.48	2905					
	4.1	336				0.54	2586					
	4.7	294				0.60	2335		0.37			
	5.4	257		0.25		0.68	2054					
	6.1	229				0.76	1824		0.55			
	7.0	200				0.85	1631					
	7.4	187				1.0	1332					
300	8.4	165				1.2	1191					
	2.4	574	S 57R17 SF 57R17 SA 57R17 SAF57R17	0.18		1.3	1032		0.75			
	2.7	506				1.5	930					
	3.2	438				1.7	831					
	3.6	388				1.9	719		1.1			
	4.1	336		0.25		2.2	624					
	4.7	294				2.5	558					
	5.2	269				2.9	485	1.5				
	6.1	229		0.37		3.2	435					
	6.8	204				3.7	378					
	7.4	187				4.4	323	2.2				
	8.4	165		0.55		5.1	281					
520	1.3	1045	S 67R37 SF 67R37 SA 67R37 SAF67R37	0.18	4000	0.16	8608	S 97R57 SF 97R57 SA 97R57 SAF97R57	0.18			
	1.5	914				0.18	7554					
	1.7	809				0.21	6640					
	2.0	712				0.24	5780					
	2.3	615		0.25		0.28	4937					
	2.6	543				0.31	4444		0.25			
	3.0	469				0.35	4017					
	3.3	424		0.37		0.40	3453					
	3.8	365				0.45	3108	0.37				
	4.4	319				0.52	2654					
	4.9	281		0.55		0.60	2329					
	5.7	246				0.67	2081	0.55				
	6.3	221				0.75	1860					
1270	7.0	198		0.75		0.88	1574					
	0.45	3098	S 77R37 SF 77R37 SA 77R37 SAF77R37			1.0	1394	S 97R57 SF 97R57 SA 97R57 SAF97R57	0.75			
	0.67	2083				1.1	1223					
	0.77	1813	0.18			1.3	1070					
	0.80	1745				1.5	928		1.1			
	0.87	1600				1.7	824					
	1.0	1404	0.25			2.0	714	1.5				
	1.1	1245				2.2	626					
	1.3	1100				2.6	538					
	1.5	954	0.37			2.9	484	2.2				
	1.7	837				3.4	420					
	1.9	714				3.8	376	3				
	2.2	637	0.55			4.3	327					
	2.4	574				4.9	287					
	2.8	499				5.7	252	4				
	3.2	438				6.6	219					
	3.6	389	0.75									
	4.3	327										
	4.8	289										
	5.6	250	1.1									
	6.4	219										

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

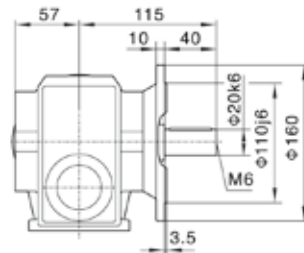
SF37/Φ120



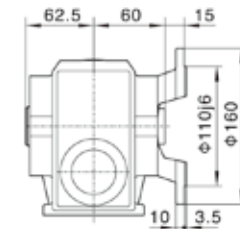
SAF37/Φ120



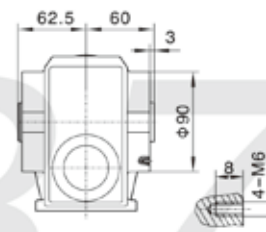
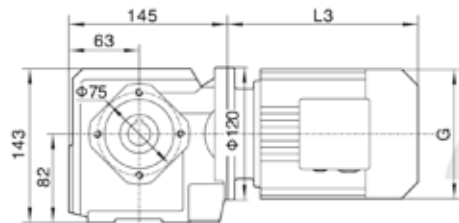
SF37/Φ160



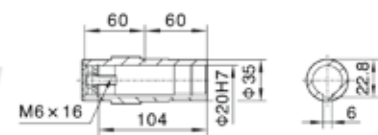
SAF37/Φ160



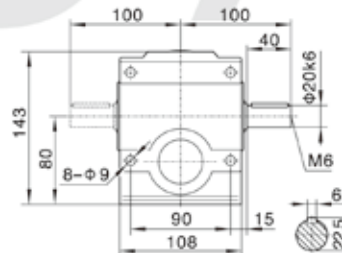
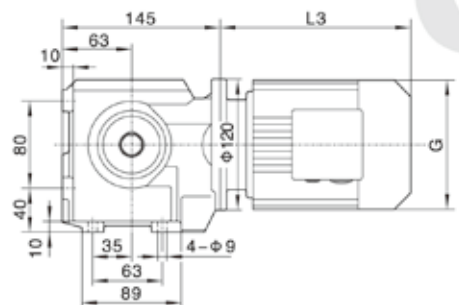
SA37



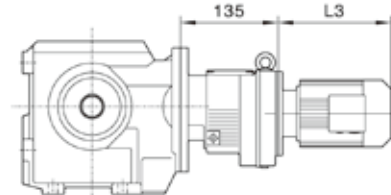
SAF37/SA37/SAZ37
Hollow shaft



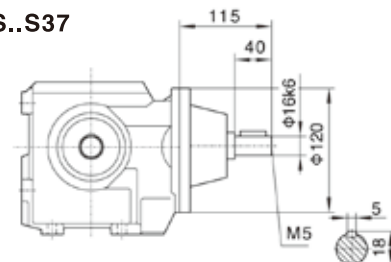
S37



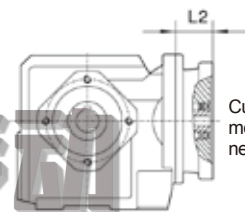
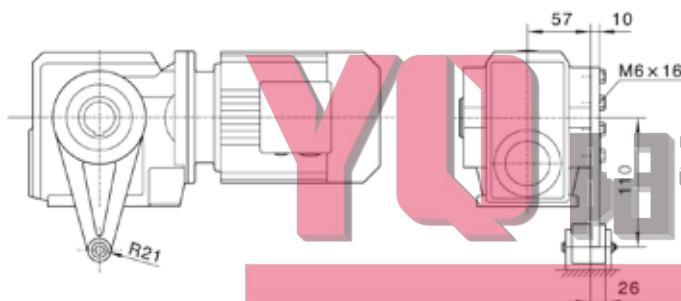
S..37R17



S..S37



SAT37

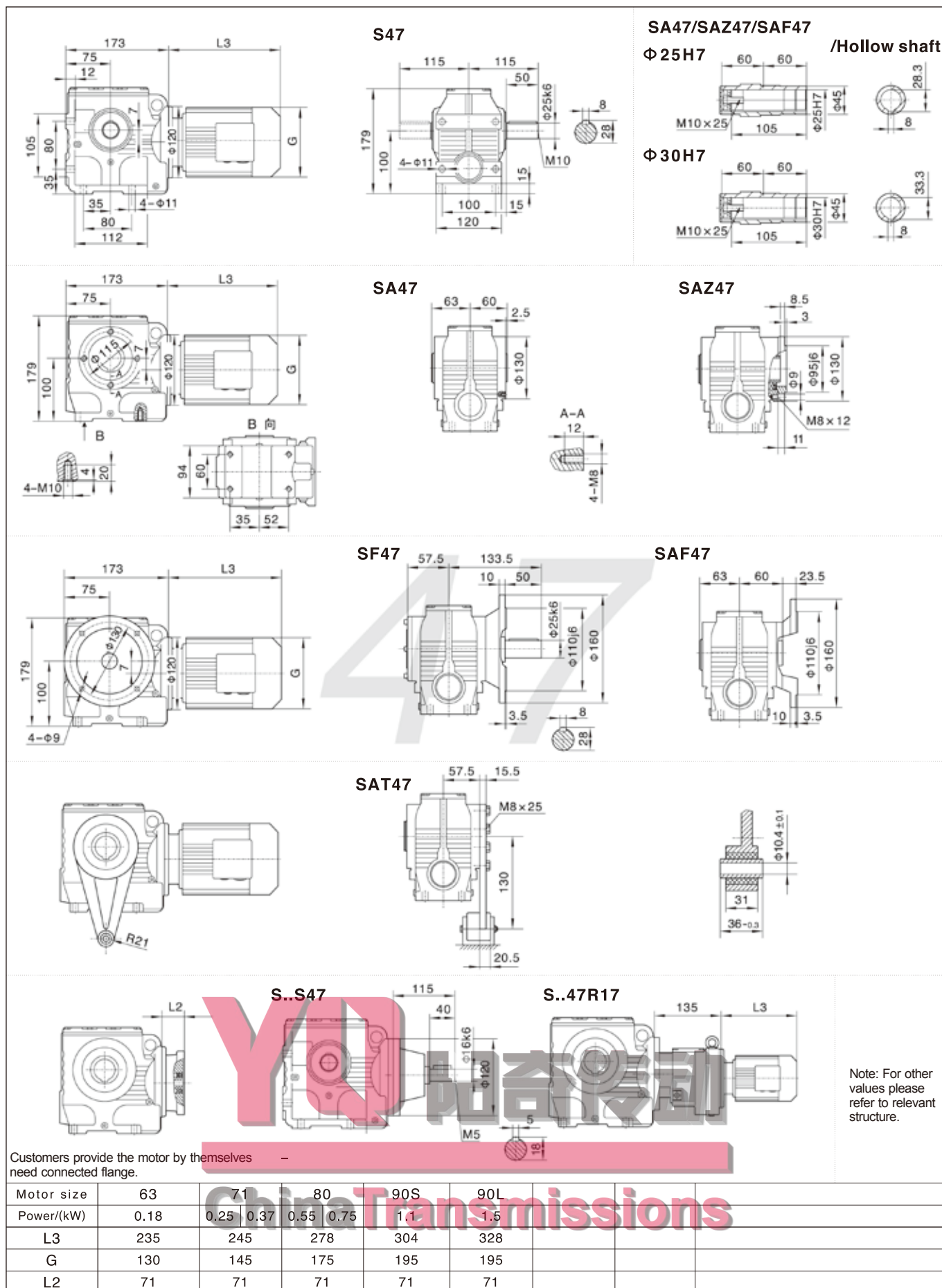


Customers provide the motor by themselves need connected flange.

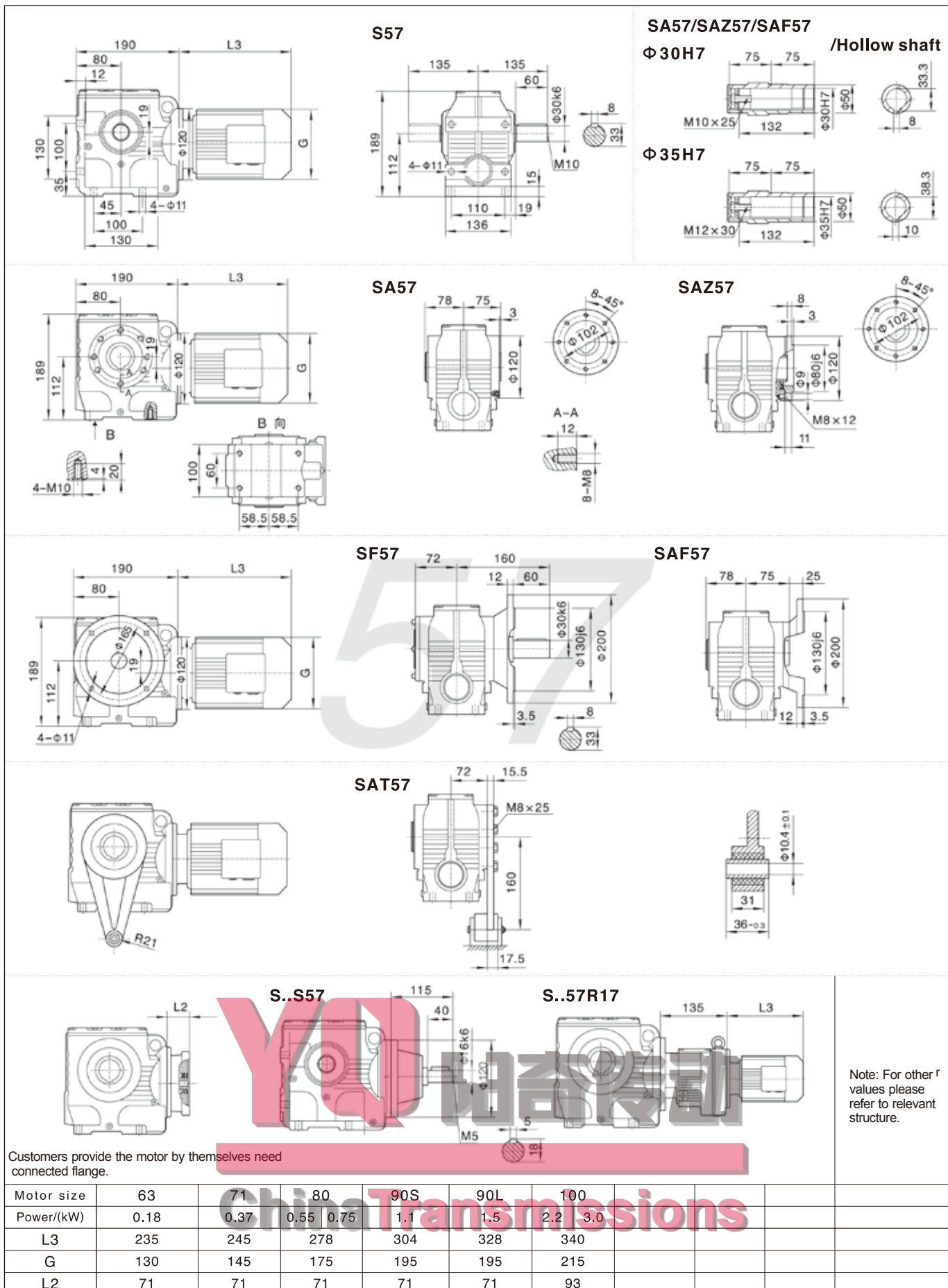
Note: For other values please refer to relevant structure.

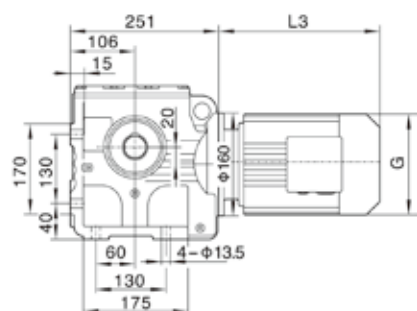
Motor size	63	71	80
Power/(kW)	0.18	0.25 0.37	0.55 0.75
L3	235	245	278
G	130	145	175
L2	71	71	71

Note:1.The housings of SA, SF, SAF, SAZ are common parts.The mounting dimensions may consult each other. 2. "S.." means S, SA, SF, SAF, SAZ.

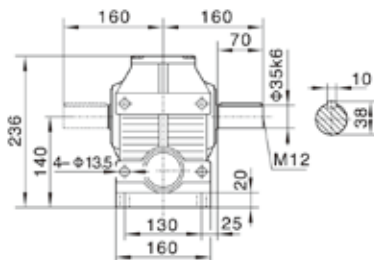


Note:1.The housings of SA、SF、SAF、SAZ are common parts.The mounting dimensions may consult each other. 2. "S.." means S, SA, SF, SAF, SAZ.



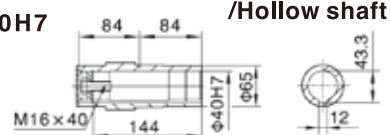


S67

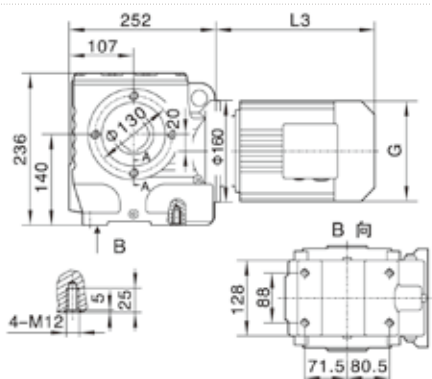
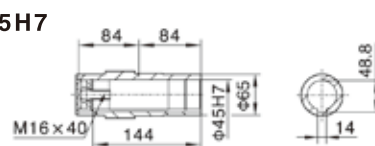


SA67/SAZ67/SAF67

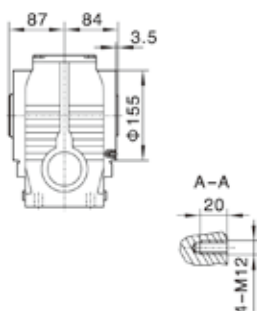
Φ 40H7



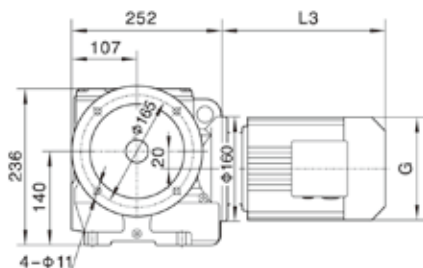
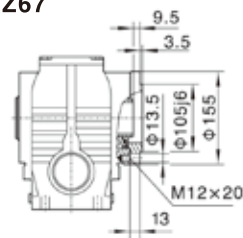
Φ 45H7



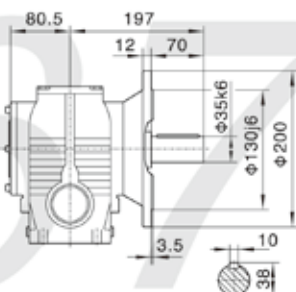
SA67



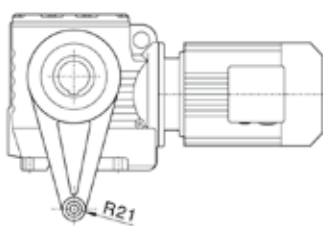
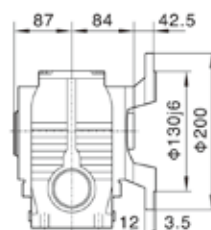
SAZ67



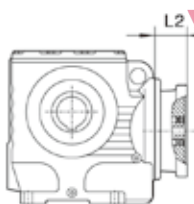
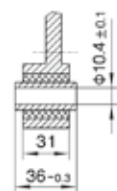
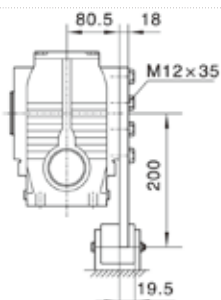
SF67



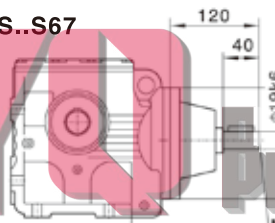
SAF67



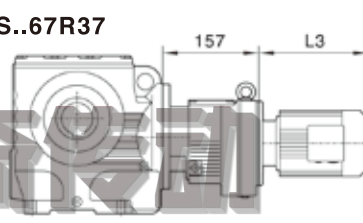
SAT67



S..S67



S..67R37

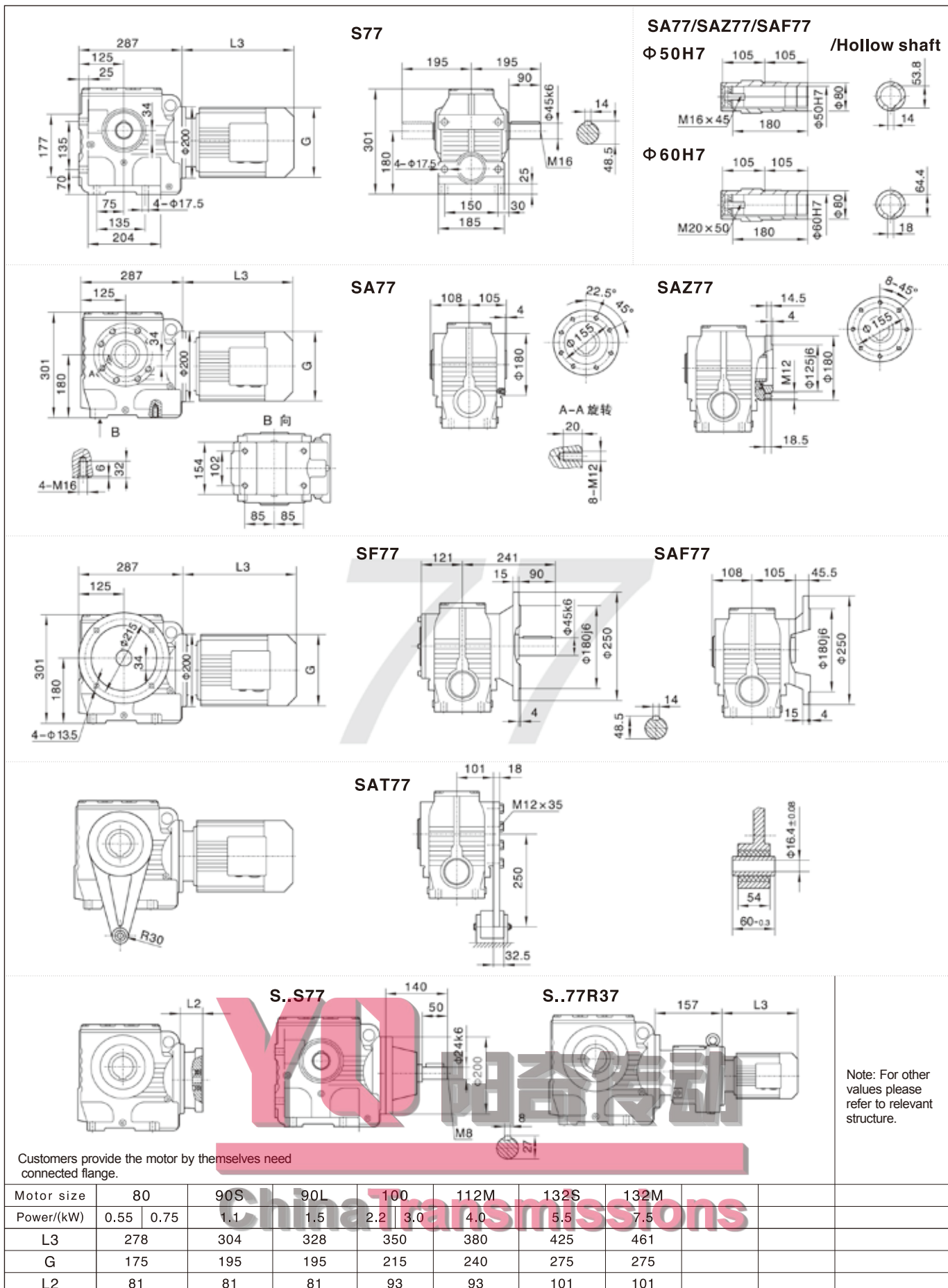


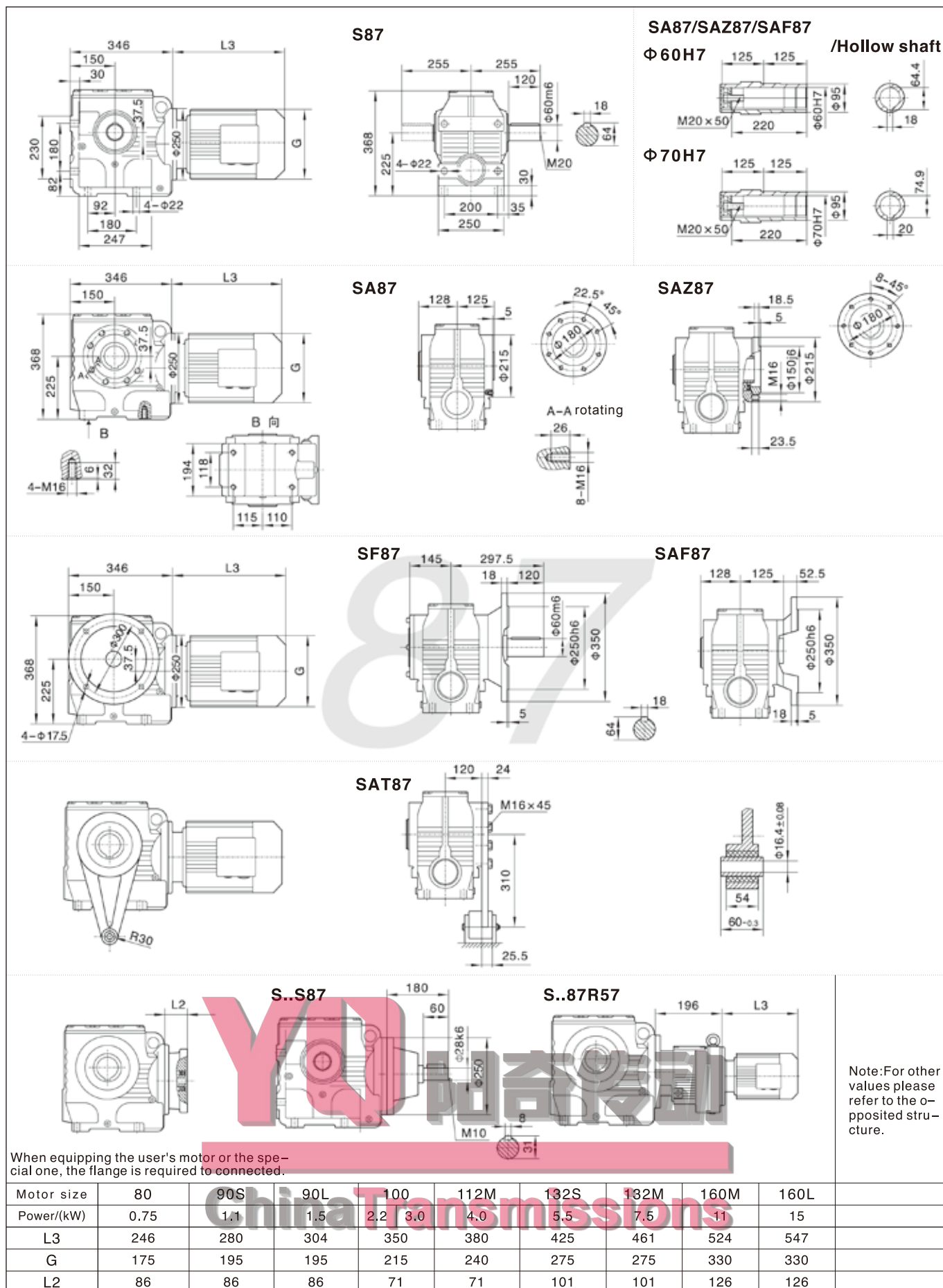
Customers provide the motor by themselves need connected flange.

Note: For other values please refer to relevant structure.

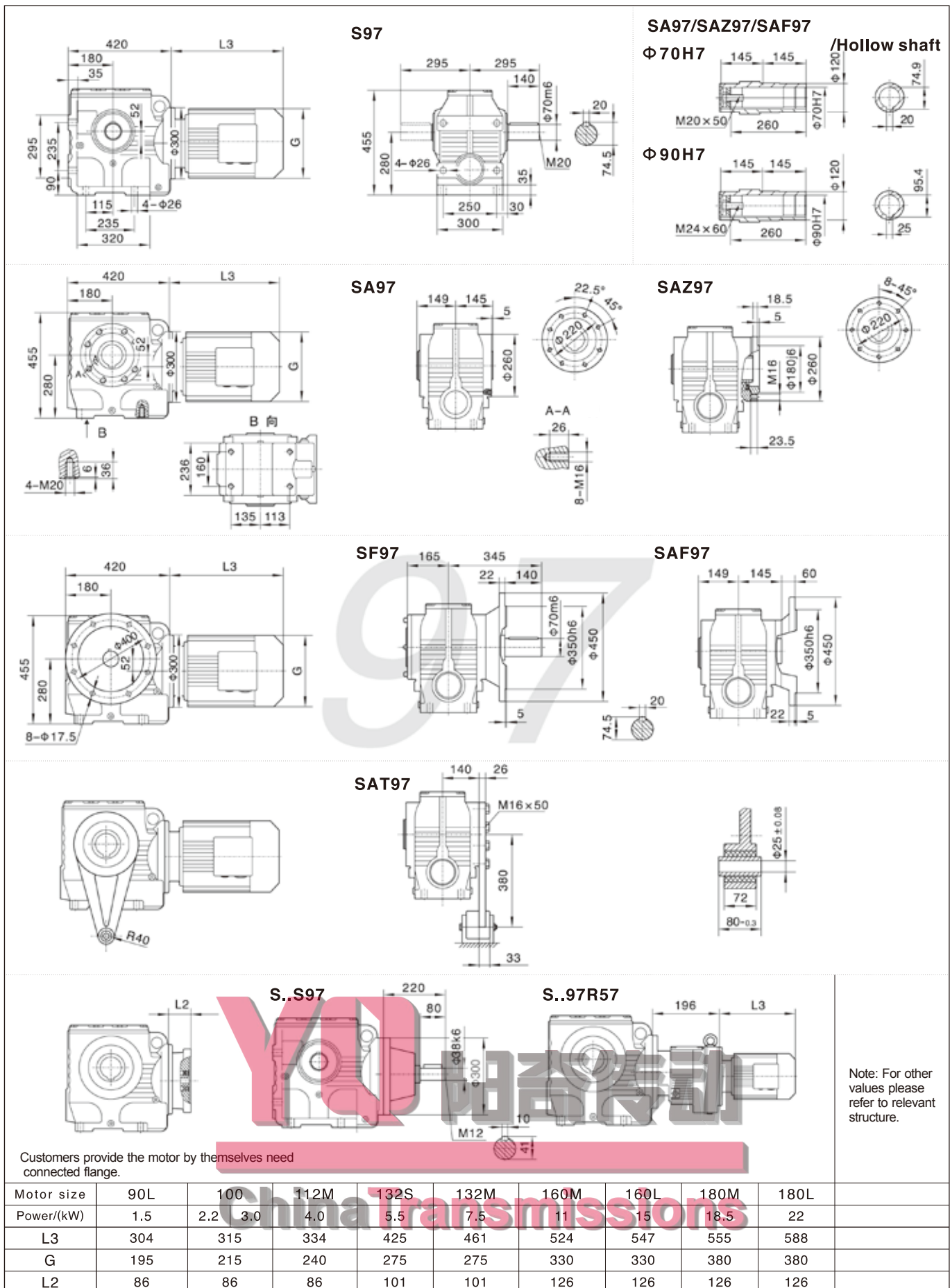
Motor size	71	80	90S	90L	100	112M	132S		
Power/(kW)	0.25	0.37	0.55	0.75	1.1	1.5	2.2	3.0	5.5
L3	245	278	304	328	350	380	425		
G	145	175	195	195	215	240	275		
L2	81	81	81	81	93	93	101		

Note:1.The housings of SA、SF、SAF、SAZ are common parts.The mounting dimensions may consult each other. 2. "S.." means S, SA, SF, SAF, SAZ.





Note:1.The housings of SA、SF、SAF、SAZ are common parts.The mounting dimensions may consult each other. 2. "S.." means S, SA, SF, SAF, SAZ.



Dimensions of shrink disc

