



Helical Gearmotor

STANDARD **IEC**

About US

Atlas Motori Riduttori S.r.l, an Italian company which is specialized for high quality power transmission components such as Worm Gearboxes, Helical Gearboxes and Induction Motors. With the best quality and product durability, Atlas has succeeded to be customer choice Globally. The company "Atlas", based in Milan, Italy, assures to offer the best quality product with optimum performance for light and heavy industrial applications. Our design and engineering team have been relentlessly working on the product improvement since its formation.

Atlas is working exclusively in below products:

0.09kW to 7.5kW premium efficiency IEC standard motors

0.09kW to 200kW special shaft for Helical gears input

High quality worm gearboxes from 14mm to 50mm

Helical gearboxes for high torque application

Our products are competent to replace the most of European Brands both in quality and dimension.



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AR Series Helical - Inline Gearmotor



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Common Datatable

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AK Series Helical - Bevel Gearmotor



Spare Parts List

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AF Series Parallel Shaft Helical Gearmotor



Spare Parts List

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AS Series Helical - Worm Gearmotor



Spare Parts List

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Table of Motor's dimensions



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Model AFAB
Foot-mounted Parallel Shaft Helical Gearmotor
with hollow shaft



Model AFF
Parallel Shaft Helical Gearmotor in B5
flange-mounted version



Model AFAF
Parallel Shaft Helical Gearmotor in B5 flange-mounted
version with hollow shaft



Model AFAZ
Short-flange mounted Parallel Shaft Helical Gearmotor
with hollow shaft



Model AF..AR
Combination of AF series and
AR..7 series Gearmotor



Model AF..S
Solid Input Parallel Shaft Helical Gearbox



Model AF
Foot-mounted Parallel Shaft Helical Gearmotor



Characteristics:

1. ATLAS Gearmotor are based on the building block design, so it's convenient for them to fit all types of motors or to connect with other power input. The same type of Gearbox can fit motors with different power, so that it's possible for different types of machines to combine or connect.
2. High transmission efficiency. A single machine can reach a transmission efficiency as much as 96%.
3. Precise division of transmission ratio with a wide range. The combination of machines can produce a larger transmission ratio at a low output rotational speed.
4. Various ways of installation. Horizontal installation at any position or flanged installation, The bottom feet installs the machine that deceleration machine have two bottom feet processes to install the flat surface.

Working Environment:

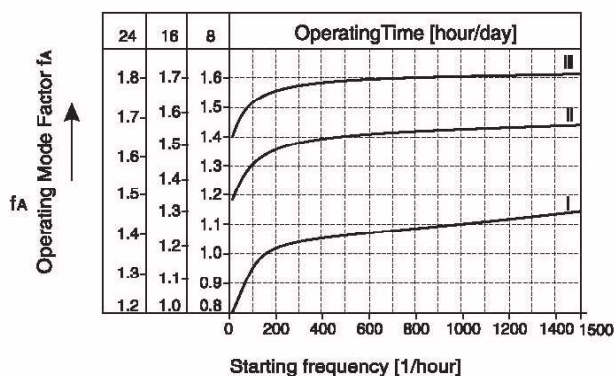
1. Working temperature: $-40^{\circ}\text{C} \sim 50^{\circ}\text{C}$ (The lubrication should be heated until above 0°C if the machine works Below 0°C .)
2. The working place should be lower than 1,000 meters above sea level.
3. The input rotational speed should not exceed 1,800r/m. The circumferential speed of the gear should not exceed 20m/s.
4. Suitable for Bidirectional rotation (REV-FWD)
5. Without industry limitation.
6. Please consult our technical supporting department for other circumstances.

Instructions for Selection:

The daily operating time, the starting frequency and the load classifications be determined before deciding the service factor. The load classifications is calculated with the following formula:

Load classification

Uniform load, mass acceleration factor ≤ 0.2
Medium Impact Load, mass acceleration factor ≤ 3
Heavy shock Load, mass acceleration factor ≤ 10



Please contact our technical supporting department in case the mass acceleration factor > 10 .

Mass acceleration factor = $\frac{\text{All external mass moments of Inertia}}{\text{Mass moment of inertia on the motor end}}$

The actual operating mode factor (f_A) should meet the following formula: Service factor $f_B \geq$ operating mode factor f_A

The service factor f_B is listed in the parameter selection list.

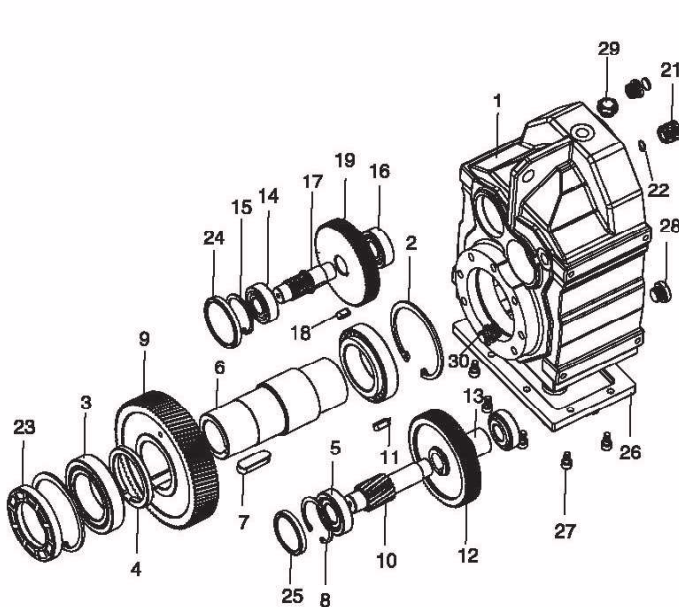
The permitted overhung loads and the axial forces.

Please contact our technical supporting department for the information on the permitted overhung loads and the axial forces at the output end of the shaft.

Regarding the use and maintenance of the Gearmotor, please refer to the attached Instruction Manual of the Gearbox and the Variable Speed Motor.



AF SERIES SPARE PARTS LIST



- 1 Housing
- 2 Circlip for hole
- 3 Bearing
- 4 Washer
- 5 Bearing
- 6 Output shaft
- 7 Key
- 8 Circlip for hole
- 9 First-stage big gear
- 10 Second-stage gear shaft
- 11 Key
- 12 Second-stage big gear
- 13 Shaft sleeve
- 14 Bearing
- 15 Circlip for hole
- 16 Bearing
- 17 Second-stage gear shaft
- 18 Key
- 19 First-stage big gear
- 21 First-stage big gear
- 22 Circlip for shaft
- 23 Oil seal
- 24 Grand
- 25 Grand
- 26 Cover plate
- 27 Bolt
- 28 Breather
- 29 Breather
- 30 Oil gauge

Type, specification and model notation for AF series parallel shaft

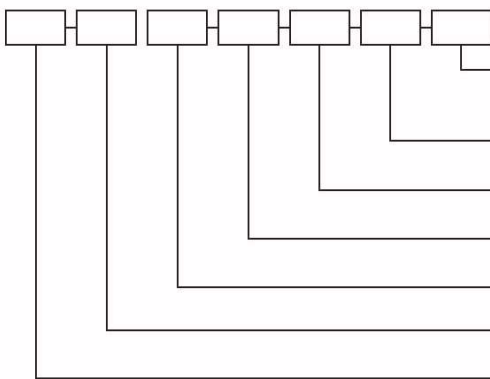
Bevel Gearmotor:

Types, specifications of this series Gearbox have 10 Models

AF 37, 47, 57, 67, 77, 87, 97, 107, 127, 157 etc,

Gear ratio: 4.07~205, which can be allocated to 0.18 ~ 132 KW. Electric Motor

Instructions for Models:



The direction (angle) of the motor connection box

Mounting position

Ratio

Motor pole

Motor power

The codes for motor types

The mounting type of the Gearbox

AFAF77 AGM 0.75 6P 128.30 M2 270°

The motor connecting box is at the position of 270° in the mounting position example.

Mounting position: M2

Ratio: 128.30

Poles 6

0.75kW

Motors of AGM series

Specifications 77 for model AFAF


Note:

1. Motors of AGM series are supplied with protection grade of IP55 unless otherwise specified.
2. The mounting position of M1 as shown in the mounting position example is the default way when supplying unless otherwise specified.
3. 270° as shown in the mounting position example is the default connection box angle when supplying unless otherwise specified.
4. Please contact our technical supporting department in case there's any special requirements on the output and input rotatory directions.
5. About Motor size, please check table of motor's dimensions.

Codes for Motor Types:

A series	AGM	Flame-proof Motor	AB	Direct Current Motor	AZ
Brake Motor	ADC	Roll Motor	AG	Variable Frequency Motor	AVP

Length of Connect Flange L2

The form on length of the connect flange L2 of the parallel shaft helical gear reductor of AF.. series

Motor frame size Reducer type	63	71	80	90	100	112	132	160	180	200	225	250	280	315
AF..37	61.5	61.5	80	80	98	—	—	—	—	—	—	—	—	—
AF..47	61.5	61.5	80	80	98	—	—	—	—	—	—	—	—	—
AF..57	56	56	74.5	74.5	90.5	90.5	—	—	—	—	—	—	—	—
AF..67	56	56	74.5	74.5	90.5	90.5	123	—	—	—	—	—	—	—
AF..77	50	50	68.5	68.5	82.5	82.5	111	152.5	—	—	—	—	—	—
AF..87	—	—	63.5	63.5	78.5	78.5	106	147.5	147.5	—	—	—	—	—
AF..97	—	—	—	57.5	72.5	72.5	101	142.5	142.5	144.5	—	—	—	—
AF..107	—	—	—	—	66.5	66.5	95	136.5	136.5	138.5	168.5	—	—	—
AF..127	—	—	—	—	—	—	80	121.5	121.5	123.5	153.5	153.5	153.5	—
AF..157	—	—	—	—	—	—	—	113.5	113.5	115.5	145.5	145.5	145.5	184

Symbol of Mounting Position Example

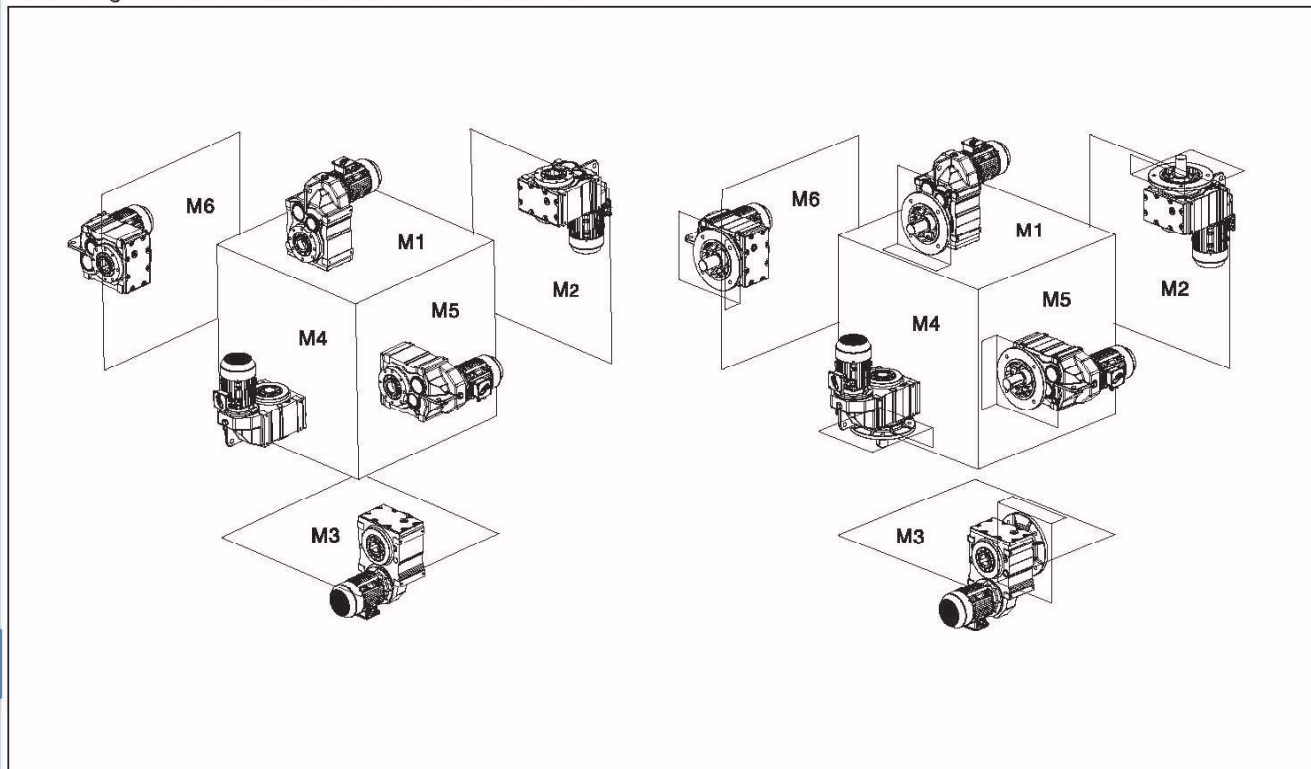
	Breather valve		Oil level plug		Oil drain plug
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Explanation of Parameter Selection List

Power (kW)	Output speed (r/min)	Output torque (N · m)	Ratio (i)	Service factor (fB)	Type	Motor pole	Weight (kg)
0.75	4.5	1603	203.70	0.89	AF 77	6P	99
	4.8	1500	190.60	0.95	AFA 77	6P	110
	5.4	1325	168.40	1.08	AFF 77	6P	96
	6.4	1120	142.30	1.27	AFAF77	6P	102
	7.1	1010	128.30	1.41			



Mounting Position of Parallel Shaft Helical Gearmotor



AF

AF series oil capacity table (Unit: Ltr)

	M1	M2	M3	M4	M5	M6
AF37	1	1.2	0.7	1.2	1	1.1
AF47	1.5	1.8	1.1	1.9	1.5	1.7
AF57	2.5	3.6	2	3.4	2.7	2.8
AF67	2.7	3.8	2.1	3.9	2.9	3.2
AF77	5.1	7.3	4.4	8.2	6.1	6.3
AF87	9.3	12	7.1	12.8	10	10.2
AF97	20.8	25.3	14.2	28.4	20.8	22.5
AF107	26	32	20	39	28	29
AF127	42	56	34	65	46	49
AF157	72	103	65	104	85	80

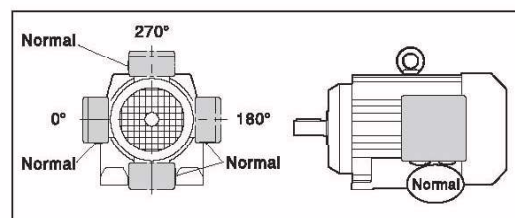
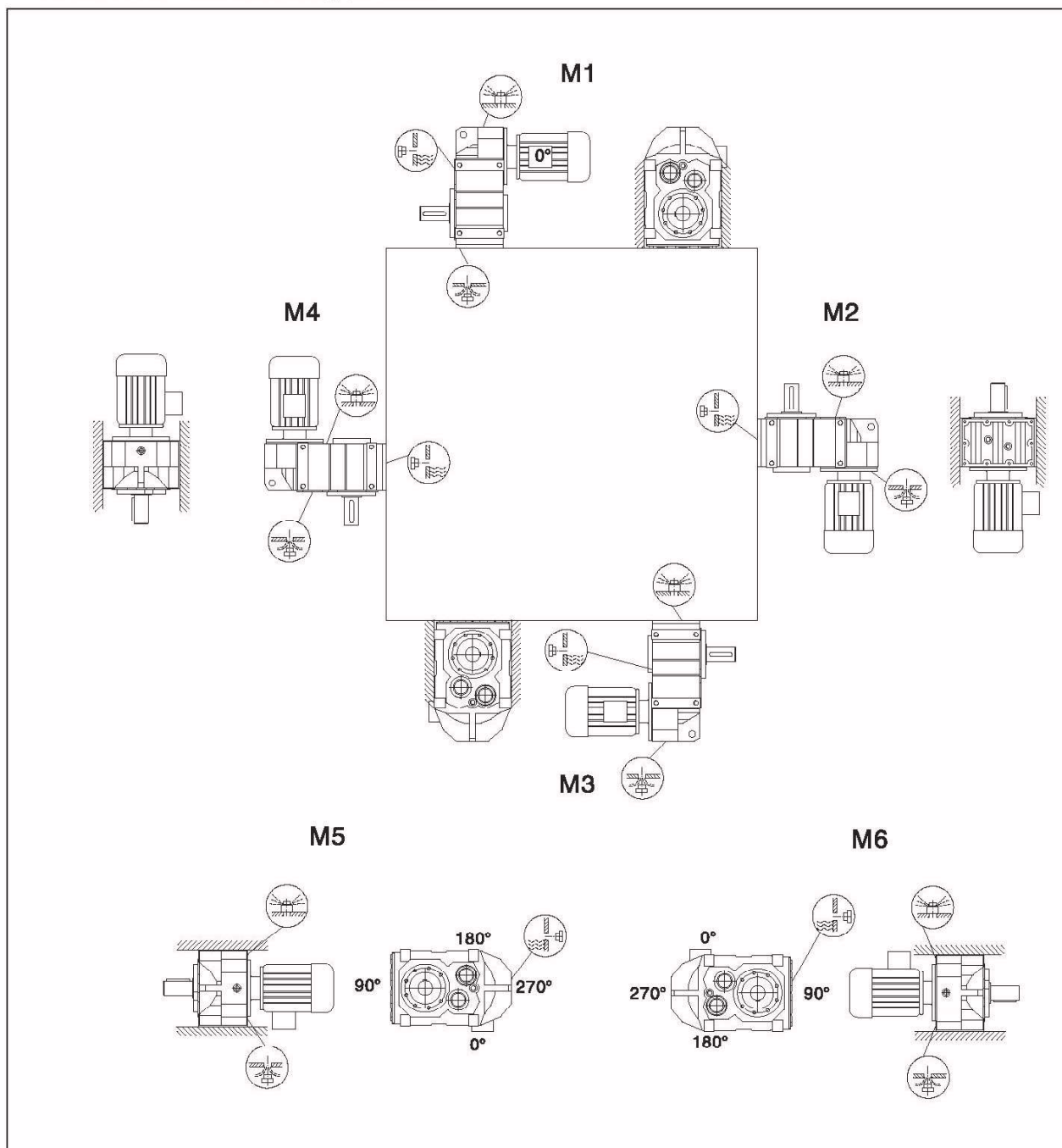
AF SERIES WEIGHT TABLE

Type	AF37	AF47	AF57	AF67	AF77	AF87	AF97	AF107	AF127	AF157
Weight (Kgs)	13	16.5	27	31	55	100	170	260	400	700

Note: Weight in the table means the weight when oil is not added. When input shaft is furnished, 10% weight should be added; If there is a motor, please add weight according to motor type.



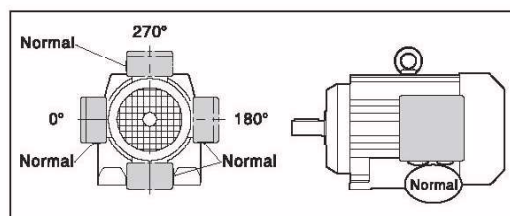
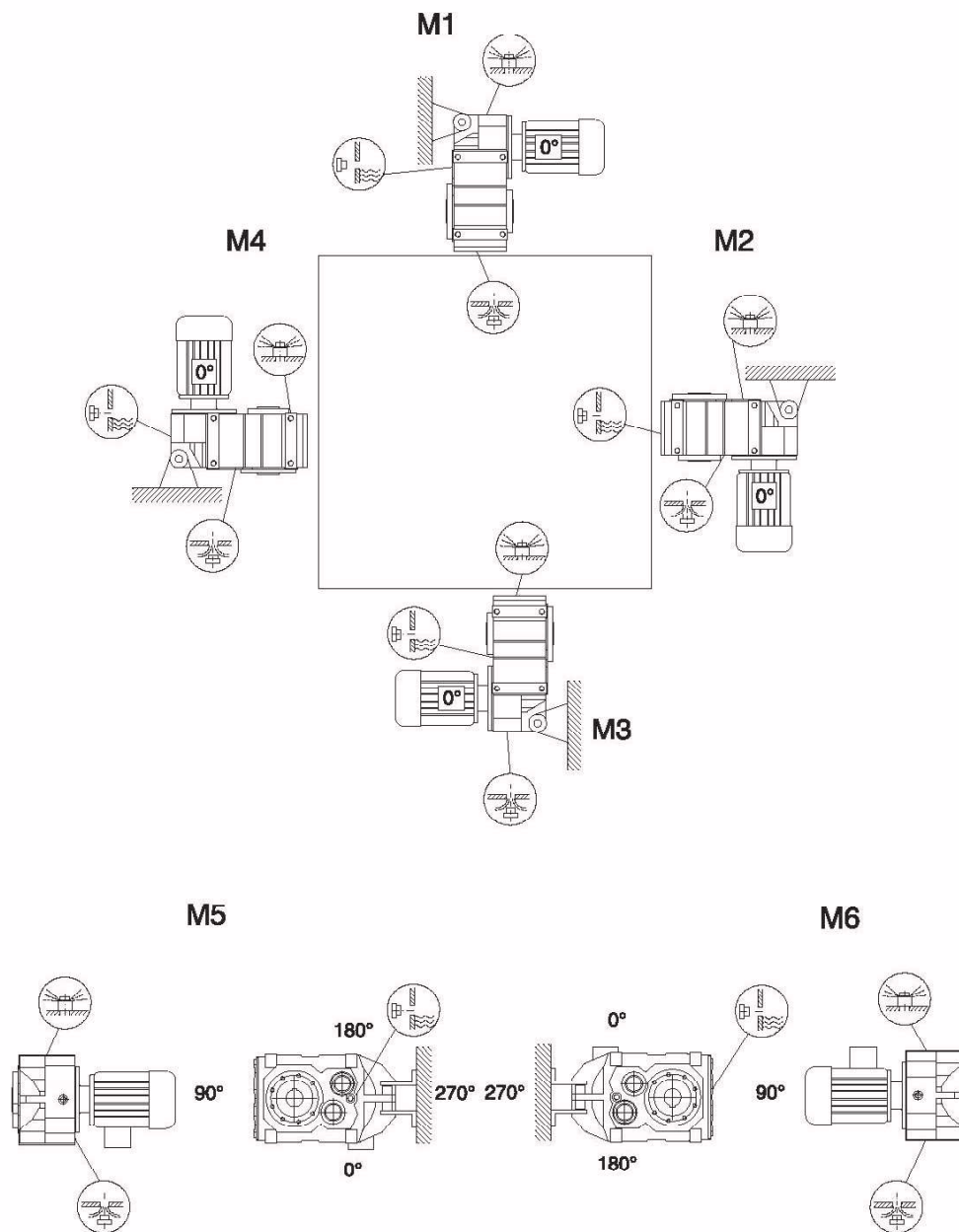
AF/AFAB37-157 Mounting position





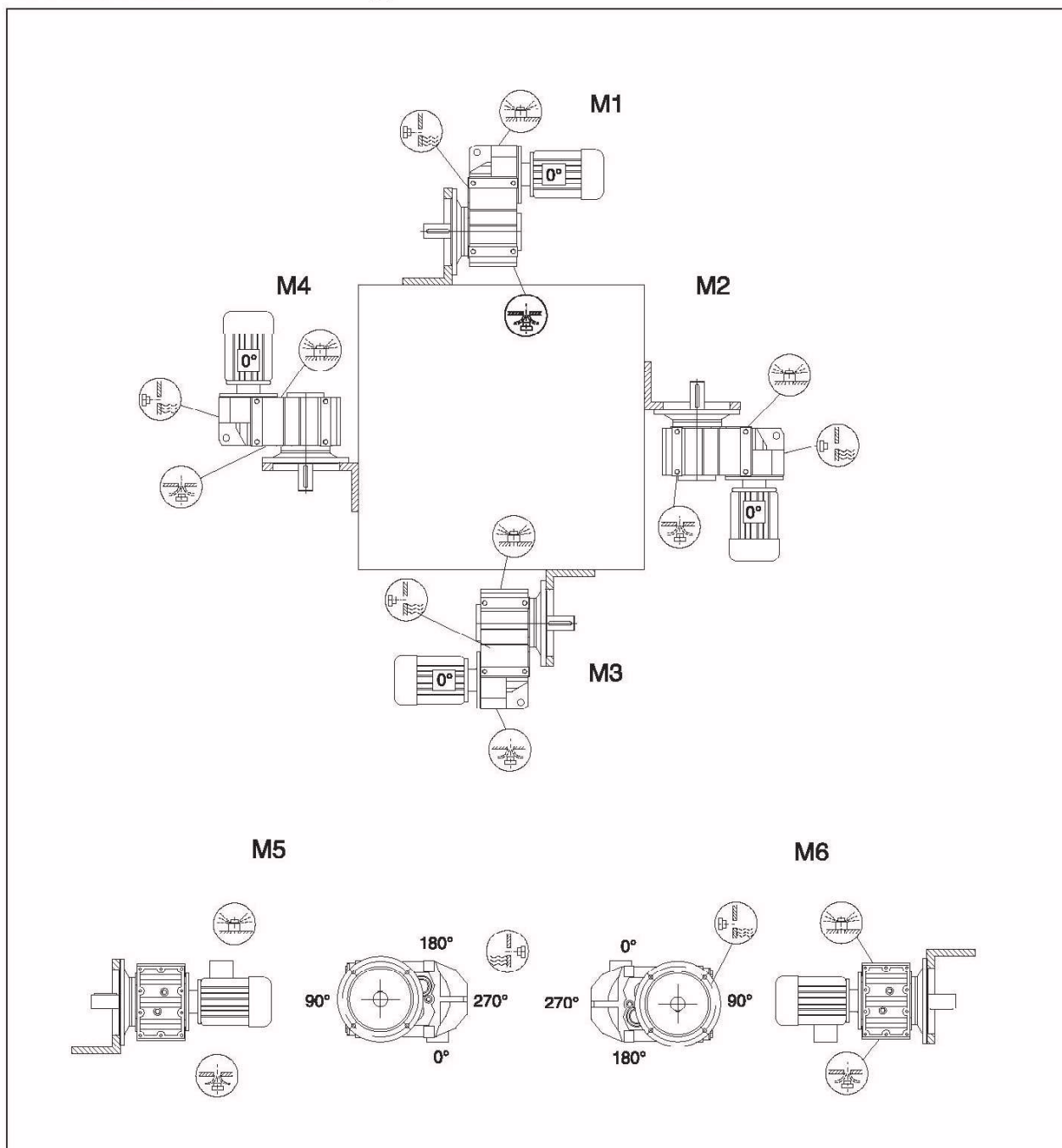
AF/ AFAT37-157 Mounting position

AF

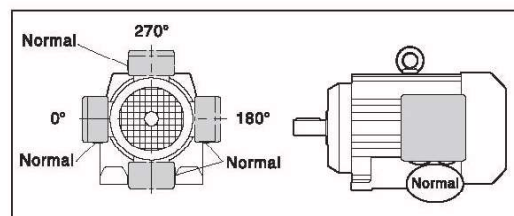




AFF/AFAF/AFAZ 37-157 Mounting position



AF





AF

AF37	Data Table 1400r/min			Torque M2 Max 200NM		
				Output shaft (Hollow): 30mm		
	Output shaft (Solid): 25mm					
2 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
3.77	0.55-3.0	371.00	105	445.20	88	0.96
4.22	0.12-3.0	331.96	110	398.35	92	0.96
4.90	0.12-3.0	285.65	120	342.78	100	0.96
4.22	0.12-3.0	331.96	110	398.35	92	0.96
6.05	0.12-3.0	231.38	135	277.65	113	0.96
6.74	0.12-3.0	207.75	140	249.30	117	0.96
7.44	0.12-0.55	188.28	145	225.93	121	0.96
8.01	0.55-3.0	174.70	170	209.64	142	0.96
8.97	0.12-3.0	156.09	175	187.31	146	0.96
10.42	0.12-2.2	134.32	185	161.18	154	0.96
11.08	0.12-2.2	126.32	190	151.58	158	0.96
12.87	0.12-2.2	108.80	200	130.56	167	0.96
14.33	0.12-2.2	97.69	200	117.22	167	0.96
15.81	0.12-0.55	88.53	200	106.24	167	0.96
17.03	0.12-1.5	82.23	200	98.67	167	0.96
19.27	0.12-1.5	72.65	200	87.18	167	0.96
20.57	0.12-1.5	68.06	200	81.67	167	0.96
23.63	0.12-0.75	59.25	200	71.10	167	0.96

3 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
23.88	0.12-1.1	58.62	200	70.35	167	0.94
28.10	0.12-1.1	49.83	200	59.80	167	0.94
31.69	0.12-0.75	44.18	200	53.01	167	0.94
35.91	0.12-0.75	38.98	200	46.78	167	0.94
38.31	0.12-0.75	36.54	200	43.85	167	0.94
43.83	0.12-0.55	31.94	200	38.33	167	0.94
47.02	0.12-0.55	29.77	200	35.73	167	0.94
51.70	0.12-0.55	27.08	200	32.49	167	0.94
54.54	0.12-0.55	25.67	200	30.80	167	0.94
58.32	0.12-0.37	24.01	200	28.81	167	0.94
66.09	0.12-0.37	21.18	200	25.42	167	0.94
70.50	0.12-0.37	19.86	200	23.83	167	0.94
80.65	0.12-0.37	17.36	200	20.83	167	0.94
86.53	0.12-0.25	16.18	200	19.42	167	0.94
100.36	0.12-0.25	13.95	200	16.74	167	0.94
117.88	0.12-0.18	11.88	200	14.25	167	0.94
128.51	0.12-0.18	10.89	200	13.07	167	0.94



AF47		Data Table 1400r/min		Torque M2 Max 400NM Output shaft (Hollow): 35mm Output shaft (Solid): 30mm		
2 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
4.99	2.2-3.0	280.73	320	336.88	267	0.96
5.76	2.2-3.0	243.18	340	291.81	283	0.96
6.33	2.2-3.0	221.00	350	265.20	292	0.96
7.44	2.2-3.0	188.17	380	225.81	317	0.96
7.88	2.2-3.0	177.68	380	213.22	317	0.96
8.96	2.2-3.0	156.33	330	187.59	275	0.96
10.97	2.2-3.0	127.64	400	153.17	333	0.96
12.66	2.2-3.0	110.56	400	132.68	333	0.96
13.93	1.5-3.0	100.48	400	120.58	333	0.96
16.36	1.5-3.0	85.56	400	102.67	333	0.96
17.33	1.5-3.0	80.79	400	96.94	333	0.96
19.70	1.1-3.0	71.08	400	85.29	333	0.96
21.82	1.1-2.2	64.17	400	77.00	333	0.96
25.72	1.1-2.2	54.43	400	65.31	333	0.96
29.32	1.1-1.5	47.75	400	57.30	333	0.96
30.86	1.1-1.5	45.36	400	54.44	333	0.96

3 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
28.88	0.75-1.5	48.47	400	58.17	333	0.94
34.29	0.75-1.5	40.83	400	49.00	333	0.94
36.61	0.75-1.5	38.24	400	45.89	333	0.94
42.86	0.55-1.1	32.67	400	39.20	333	0.94
48.00	0.55-1.1	29.17	400	35.00	333	0.94
56.49	0.55-1.1	24.78	400	29.74	333	0.94
65.36	0.37-0.75	21.42	400	25.70	333	0.94
68.09	0.37-0.75	20.56	400	24.67	333	0.94
79.72	0.37-0.75	17.56	400	21.07	333	0.94
89.29	0.37-0.55	15.68	400	18.82	333	0.94
105.09	0.37-0.55	13.32	400	15.99	333	0.94
121.57	0.18-0.55	11.52	400	13.82	333	0.94
130.07	0.12-0.37	10.76	400	12.92	333	0.94
150.06	0.12-0.37	9.33	400	11.20	333	0.94
175.38	0.12-0.25	7.98	400	9.58	333	0.94
190.76	0.12-0.25	7.34	400	8.81	333	0.94



AF

AF57		Data Table 1400r/min		Torque M2 Max 600NM Output shaft (Hollow): 40mm Output shaft (Solid): 35mm		
2 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
5.18	4.0-5.5	270.08	415	324.10	346	0.96
5.98	4.0-5.5	233.95	420	280.74	350	0.96
6.58	4.0-5.5	212.62	420	255.14	350	0.96
7.73	4.0-5.5	181.03	420	217.24	350	0.96
8.19	4.0-5.5	170.94	420	205.13	350	0.96
9.31	4.0-5.5	150.40	420	180.48	350	0.96
10.64	3.0-5.5	131.55	600	157.86	500	0.96
12.29	3.0-5.5	113.95	600	136.74	500	0.96
13.52	3.0-5.5	103.56	600	124.28	500	0.96
15.88	2.2-5.5	88.18	600	105.81	500	0.96
16.81	2.2-5.5	83.26	600	99.92	500	0.96
19.11	2.2-4.0	73.26	600	87.91	500	0.96
21.17	2.2-4.0	66.13	600	79.36	500	0.96
24.96	2.2-3.0	56.09	575	67.31	479	0.96
28.45	0.12-1.5	49.22	535	59.06	446	0.96
29.94	0.12-1.5	46.76	545	56.11	454	0.96
34.24	0.12-0.75	40.88	500	49.06	417	0.96
40.13	0.12-0.37	34.88	290	41.86	242	0.96

3 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
30.15	1.1-2.2	46.44	590	55.73	492	0.94
35.79	1.1-2.2	39.12	600	46.95	500	0.94
38.21	1.1-2.2	36.64	600	43.97	500	0.94
44.73	0.75-1.5	31.30	600	37.56	500	0.94
50.10	0.75-1.5	27.94	600	33.53	500	0.94
58.97	0.55-1.5	23.74	600	28.49	500	0.94
68.22	0.55-1.1	20.52	600	24.63	500	0.94
72.98	0.55-1.1	19.18	600	23.02	500	0.94
83.46	0.37-1.1	16.78	600	20.13	500	0.94
93.47	0.37-0.75	14.98	600	17.97	500	0.94
110.01	0.25-0.75	12.73	600	15.27	500	0.94
127.27	0.18-0.55	11.00	600	13.20	500	0.94
136.16	0.12-0.55	10.28	600	12.34	500	0.94
157.09	0.12-0.55	8.91	600	10.69	500	0.94
183.60	0.12-0.37	7.63	600	9.15	500	0.94
199.70	0.12-0.37	7.01	600	8.41	500	0.94



AF67		Data Table 1400r/min		Torque M2 Max 820NM Output shaft: 40mm		
2 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
3.97	4.0-5.5	352.22	500	422.66	417	0.96
4.66	4.0-5.5	300.74	560	360.89	467	0.96
5.25	4.0-5.5	266.61	590	319.94	492	0.96
5.95	4.0-5.5	235.27	610	282.33	508	0.96
6.78	4.0-5.5	206.39	620	247.67	517	0.96
7.53	4.0-5.5	185.94	610	223.13	508	0.96
8.60	4.0-5.5	162.74	570	195.29	475	0.96
9.08	4.0-5.5	154.23	530	185.07	442	0.96
9.66	4.0-5.5	144.98	820	173.97	683	0.96
11.31	4.0-5.5	123.79	820	148.55	683	0.96
12.76	4.0-5.5	109.74	820	131.69	683	0.96
14.46	3.0-5.5	96.84	820	116.21	683	0.96
16.48	3.0-5.5	84.95	820	101.94	683	0.96
18.29	2.2-5.5	76.54	820	91.84	683	0.96
20.90	2.2-5.5	66.99	820	80.38	683	0.96
22.05	2.2-5.5	63.48	820	76.18	683	0.96
25.13	1.5-4.0	55.71	820	66.85	683	0.96
27.41	1.5-4.0	51.07	820	61.28	683	0.96
32.08	1.5-3.0	43.64	820	52.37	683	0.96
36.30	0.75-1.5	38.56	820	46.28	683	0.96

3 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
34.01	1.1-3.0	41.17	740	49.40	617	0.94
39.26	1.1-3.0	35.66	780	42.79	650	0.94
43.20	1.1-3.0	32.41	820	38.89	683	0.94
50.74	1.1-2.2	27.59	820	33.11	683	0.94
53.73	1.1-2.2	26.06	820	31.27	683	0.94
61.07	0.75-1.5	22.92	820	27.51	683	0.94
67.65	0.75-1.5	20.70	820	24.83	683	0.94
79.76	0.55-1.5	17.55	820	21.06	683	0.94
90.59	0.55-1.1	15.45	820	18.55	683	0.94
95.94	0.55-1.1	14.59	820	17.51	683	0.94
109.04	0.55-1.1	12.84	820	15.41	683	0.94
120.79	0.37-0.75	11.59	820	13.91	683	0.94
142.40	0.25-0.75	9.83	820	11.80	683	0.94
162.31	0.25-0.55	8.63	820	10.35	683	0.94
170.85	0.18-0.55	8.19	820	9.83	683	0.94
195.39	0.18-0.55	7.17	820	8.60	683	0.94
228.99	0.18-0.37	6.11	820	7.34	683	0.94



AF

AF77		Data Table 1400r/min		Torque M2 Max 1500NM Output shaft: 50mm		
2 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
4.28	7.5-11	327.02	1010	392.42	842	0.96
5.16	7.5-11	271.00	1080	325.20	900	0.96
5.76	7.5-11	242.93	1080	291.52	900	0.96
6.64	7.5-11	210.85	1080	253.03	900	0.96
7.38	7.5-11	189.58	1080	227.49	900	0.96
8.26	7.5-11	169.50	1080	203.40	900	0.96
9.30	7.5-11	150.52	1080	180.62	900	0.96
10.93	7.5-11	128.10	1500	153.73	1250	0.96
12.21	5.5-11	114.71	1500	137.65	1250	0.96
14.06	5.5-11	99.56	1500	119.47	1250	0.96
15.64	5.5-11	89.51	1500	107.42	1250	0.96
17.49	4.0-11	80.03	1500	96.04	1250	0.96
19.70	4.0-7.5	71.07	1500	85.29	1250	0.96
21.43	3.0-7.5	65.31	1500	78.38	1250	0.96
25.50	2.2-7.5	54.90	1500	65.88	1250	0.96
28.75	2.2-4.0	48.69	1500	58.43	1250	0.96
31.51	1.5-4.0	44.44	1500	53.32	1250	0.96
36.58	1.5-3.0	38.28	1500	45.93	1250	0.96

3 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
25.54	4-7.5	54.82	1450	65.79	1208	0.94
29.91	4-7.5	46.81	1500	56.17	1250	0.94
33.74	4-5.5	41.50	1500	49.80	1250	0.94
38.23	1.5-5.5	36.62	1500	43.95	1250	0.94
43.58	1.5-5.5	32.13	1500	38.55	1250	0.94
48.37	1.5-4.0	28.94	1500	34.73	1250	0.94
55.27	1.5-4.0	25.33	1500	30.40	1250	0.94
58.32	1.5-4.0	24.01	1500	28.81	1250	0.94
66.46	1.5-3.0	21.07	1500	25.28	1250	0.94
72.50	1.5-3.0	19.31	1500	23.17	1250	0.94
75.02	1.1-3.0	18.66	1500	22.39	1250	0.94
85.52	1.1-2.2	16.37	1500	19.64	1250	0.94
94.93	0.55-2.2	14.75	1500	17.70	1250	0.94
108.46	0.55-2.2	12.91	1500	15.49	1250	0.94
114.45	0.55-1.5	12.23	1500	14.68	1250	0.94
130.42	0.55-1.5	10.73	1500	12.88	1250	0.94
142.27	0.55-1.5	9.84	1500	11.81	1250	0.94
166.47	0.55-1.1	8.41	1500	10.09	1250	0.94
188.40	0.55-1.1	7.43	1500	8.92	1250	0.94
198.31	0.37-1.1	7.06	1500	8.47	1250	0.94
225.79	0.37-0.75	6.20	1500	7.44	1250	0.94
262.93	0.37	5.32	1500	6.39	1250	0.94
281.71	0.37	4.97	1500	5.96	1250	0.94



AF87		Data Table 1400r/min		Torque M2 Max 3000NM Output shaft: 60mm		
2 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
4.12	15.0-22	357.17	1460	428.60	1217	0.96
4.92	15.0-22	298.72	1530	358.47	1275	0.96
5.63	15.0-22	260.92	1530	313.10	1275	0.96
6.65	15.0-22	221.15	1530	265.38	1275	0.96
7.35	15.0-22	199.95	1530	239.94	1275	0.96
8.30	15.0-22	177.16	1530	212.59	1275	0.96
9.58	15.0-22	153.37	2880	184.05	2400	0.96
11.46	15.0-22	128.28	3000	153.93	2500	0.96
13.12	11.0-22	112.04	3000	134.45	2500	0.96
15.48	7.5-22	94.96	3000	113.96	2500	0.96
17.12	7.5-22	85.86	3000	103.03	2500	0.96
19.31	7.5-22	76.14	3000	91.37	2500	0.96
21.32	7.5-22	68.95	3000	82.74	2500	0.96
23.68	5.5-15	62.07	3000	74.48	2500	0.96
26.50	5.5-15	55.48	3000	66.57	2500	0.96
28.78	5.5-7.5	51.08	2450	61.30	2042	0.96
33.92	5.5-7.5	43.33	2610	52.00	2175	0.96

AF

3 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
29.20	5.5-11	47.95	2510	57.54	2092	0.94
35.19	5.5-11	39.78	2610	47.74	2175	0.94
39.30	5.5-11	35.62	2720	42.75	2267	0.94
45.28	2.2-7.5	30.92	2820	37.10	2350	0.94
50.36	2.2-7.5	27.80	2940	33.36	2450	0.94
56.75	2.2-7.5	24.67	3000	29.60	2500	0.94
68.40	2.2-5.5	20.47	3000	24.56	2500	0.94
76.39	2.2-5.5	18.33	3000	21.99	2500	0.94
88.01	2.2-5.5	15.91	3000	19.09	2500	0.94
97.89	1.5-4.0	14.30	3000	17.16	2500	0.94
109.49	1.5-4.0	12.79	3000	15.34	2500	0.94
123.29	1.1-3.0	11.35	3000	13.63	2500	0.94
134.16	1.1-3.0	10.44	3000	12.52	2500	0.94
159.61	1.1-2.2	8.77	3000	10.53	2500	0.94
179.97	1.1-2.2	7.78	3000	9.33	2500	0.94
197.20	1.1-2.2	7.10	3000	8.52	2500	0.94
228.93	0.75-1.5	6.12	3000	7.34	2500	0.94
255.37	0.75-1.5	5.48	3000	6.58	2500	0.94
270.68	0.75-1.5	5.17	3000	6.21	2500	0.94



AF

AF97		Data Table 1400r/min		Torque M2 Max 4300NM Output shaft : 70mm		
2 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
4.57	30	321.39	1800	385.66	1500	0.96
5.23	30	280.90	2050	337.08	1708	0.96
6.17	30	238.26	2150	285.91	1792	0.96
7.07	30	207.97	2250	249.56	1875	0.96
8.22	30	178.76	2360	214.51	1967	0.96
9.06	30	162.22	2360	194.66	1967	0.96
11.16	30	131.71	4100	158.05	3417	0.96
12.77	15-22	115.12	4300	138.14	3583	0.96
15.06	15-22	97.64	4300	117.17	3583	0.96
17.25	15-22	85.23	4300	102.27	3583	0.96
20.07	15-22	73.26	4300	87.91	3583	0.96
22.11	11-22	66.48	4300	79.77	3583	0.96
24.92	11-22	58.98	4300	70.78	3583	0.96
27.44	11-22	53.57	4300	64.29	3583	0.96
30.39	7.5-15	48.36	4300	58.04	3583	0.96
33.91	7.5-15	43.35	4300	52.02	3583	0.96
36.64	7.5	40.12	3070	48.14	2558	0.96
43.28	7.5	33.96	3070	40.75	2558	0.96

3 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
32.50	7.5-18.5	45.23	4300	54.28	3583	0.94
38.86	7.5-15	37.83	4300	45.39	3583	0.94
44.49	7.5-15	33.04	4300	39.65	3583	0.94
52.49	5.5-11	28.00	4300	33.61	3583	0.94
58.06	5.5-11	25.32	4300	30.38	3583	0.94
65.47	4-7.5	22.45	4300	26.94	3583	0.94
72.30	4-7.5	20.33	4300	24.40	3583	0.94
75.63	5.5-7.5	19.44	4300	23.32	3583	0.94
80.31	4-7.5	18.30	4300	21.97	3583	0.94
86.59	5.5-7.5	16.98	4300	20.37	3583	0.94
89.85	3-7.5	16.36	4300	19.63	3583	0.94
97.58	4-5.5	15.06	4300	18.08	3583	0.94
102.16	3-5.5	14.39	4300	17.27	3583	0.94
112.99	3-5.5	13.01	4300	15.61	3583	0.94
127.42	2.2-4	11.54	4300	13.84	3583	0.94
140.71	2.2-4	10.45	4300	12.54	3583	0.94
156.30	2.2-4	9.40	4300	11.29	3583	0.94
174.87	1.5-3	8.00	4300	9.60	3583	0.94
189.92	1.5-3	7.40	4300	8.88	3583	0.94
223.88	1.1-3	6.30	4300	7.56	3583	0.94
253.41	1.1-2.2	5.50	4300	6.60	3583	0.94
276.77	1.1-2.2	5.10	4300	6.12	3583	0.94



AF107		Data Table 1400r/min		Torque M2 Max 7680NM Output shaft : 90mm		
2 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
6.22	5.5-45	225.08	4600	270.10	3833	0.96
7.40	5.5-45	189.19	4600	227.03	3833	0.96
8.37	5.5-45	167.26	4800	200.72	4000	0.96
9.69	5.5-45	144.48	4910	173.37	4092	0.96
9.96	7.5-45	140.56	6500	168.67	5417	0.96
12.33	7.5-45	113.54	7000	136.25	5833	0.96
14.67	5.5-45	95.43	7680	114.52	6400	0.96
16.58	5.5-45	84.44	7840	101.33	6533	0.96
19.20	5.5-45	72.92	7840	87.50	6533	0.96
21.76	3-45	64.34	7840	77.21	6533	0.96
25.14	3-45	55.69	7840	66.83	6533	0.96
27.57	3-45	50.78	7840	60.94	6533	0.96
33.79	3-22	41.43	7400	49.72	6167	0.96

AF

3 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
31.80	11-45	44.03	7680	52.83	6400	0.94
37.61	5.5-45	37.22	7680	44.67	6400	0.94
43.03	5.5-45	32.54	7680	39.04	6400	0.94
50.73	5.5-45	27.60	7680	33.12	6400	0.94
58.12	3-45	24.09	7680	28.91	6400	0.94
67.62	3-45	20.70	7680	24.84	6400	0.94
74.52	3-45	18.79	7680	22.54	6400	0.94
83.99	3-22	16.67	7680	20.00	6400	0.94
88.49	3-45	15.82	7680	18.99	6400	0.94
92.47	3-22	15.14	7680	18.17	6400	0.94
101.38	3-45	13.81	7680	16.57	6400	0.94
117.94	3-45	11.87	7680	14.24	6400	0.94
129.97	3-45	10.77	7680	12.93	6400	0.94
146.49	3-22	9.56	7680	11.47	6400	0.94
161.28	3-22	8.68	7680	10.42	6400	0.94
178.64	3-15	7.84	7680	9.40	6400	0.94
199.31	3-5.5	7.02	7680	8.43	6400	0.94
215.37	3-5.5	6.50	7680	7.80	6400	0.94
254.40	3-5.5	5.50	7680	6.60	6400	0.94



AF

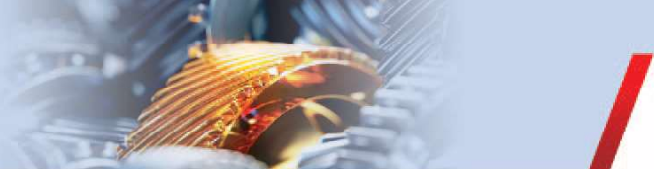
AF127		Data Table 1400r/min		Torque M2 Max 12000NM Output shaft (hollow): 100mm Output shaft (solid): 110mm		
2 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
4.68	45-90	313.95	6000	376.74	5000	0.96
5.52	45-90	266.26	6000	319.51	5000	0.96
6.80	45-90	216.33	7000	259.60	5833	0.96
7.88	37-90	186.47	6000	223.76	5000	0.96
8.62	37-90	170.53	7000	204.63	5833	0.96
10.16	37-90	144.62	9500	173.54	7917	0.96
12.51	37-90	117.50	11000	141.00	9167	0.96
14.51	37-90	101.28	11000	121.54	9167	0.96
16.31	37-90	90.11	11000	108.13	9167	0.96
18.82	30-90	78.12	12000	93.75	10000	0.96
21.32	30-90	68.94	8500	82.73	7083	0.96
24.50	30-45	59.99	8500	71.99	7083	0.96
26.79	30-45	54.86	8500	65.83	7083	0.96

3 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
25.24	30-45	58.25	12000	69.90	10000	0.94
31.25	30-45	47.04	12000	56.45	10000	0.94
37.18	30-45	39.54	12000	47.44	10000	0.94
42.04	22-45	34.97	12000	41.96	10000	0.94
48.67	18.5-37	30.20	12000	36.24	10000	0.94
55.16	18.5-30	26.65	12000	31.98	10000	0.94
63.74	18.5-30	23.06	12000	27.68	10000	0.94
69.89	15-22	21.03	12000	25.24	10000	0.94
75.21	11-22	19.55	12000	23.45	10000	0.94
87.08	11-22	16.88	12000	20.26	10000	0.94
98.69	11-18.5	14.89	12000	17.87	10000	0.94
114.04	11-15	12.89	12000	15.47	10000	0.94
125.04	7.5-15	11.76	12000	14.11	10000	0.94
153.27	7.5-11	9.59	12000	11.51	10000	0.94
170.38	7.5-11	8.63	12000	10.35	10000	0.94



AF157		Data Table 1400r/min		Torque M2 Max 18000NM Output shaft (hollow): 120mm Output shaft (solid): 120mm		
2 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
11.92	75-200	123.36	16000	148.03	13333	0.96
13.96	75-200	105.28	17000	126.33	14167	0.96
16.85	55-160	87.23	18000	104.68	15000	0.96
19.77	55-132	74.35	17000	89.22	14167	0.96
22.16	55-132	66.34	18000	79.61	15000	0.96
25.43	55-90	57.79	15000	69.35	12500	0.96
28.60	22-90	51.40	17000	61.68	14167	0.96
35.75	22-90	41.12	11000	49.34	9167	0.96
43.94	11-37	33.45	10000	40.15	8333	0.96
53.55	11-37	27.45	8000	32.94	6667	0.96

3 Stages		50HZ		60HZ		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output Speed (n2)	Torque (M2)	
27.60	37-90	53.25	18000	63.91	15000	0.94
32.55	22-90	45.16	18000	54.20	15000	0.94
40.06	22-75	36.70	18000	44.03	15000	0.94
46.48	22-55	31.63	18000	37.96	15000	0.94
52.24	18.5-55	28.14	18000	33.77	15000	0.94
60.25	15-45	24.40	18000	29.28	15000	0.94
68.28	11-37	21.53	18000	25.84	15000	0.94
78.46	11-37	18.73	18000	22.48	15000	0.94
85.80	11-30	17.13	18000	20.56	15000	0.94
96.53	11-30	15.23	18000	18.28	15000	0.94
108.49	11-22	13.55	18000	16.26	15000	0.94
125.14	11-22	11.75	18000	14.10	15000	0.94
141.80	11-18.5	10.37	18000	12.44	15000	0.94
162.96	11-15	9.02	18000	10.82	15000	0.94
178.20	11-15	8.25	18000	9.90	15000	0.94
217.62	11	6.75	18000	8.11	15000	0.94
267.43	11	5.50	18000	6.60	15000	0.94



AF

Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fa)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fa)	Type	Motor pole				
0.12KW						0.12KW									
0.06	15000	22323	0.80	AFA 127 AR77 AFAF127 AR77 AF 127 AR77 AFF 127AR77	4P	2.5	370	558	1.60	AFA 57AR37 AFAF57AR37 AF 57AR37 AFF 57AR37	4P				
0.07	12800	19048	0.95			2.7	330	506	1.80						
0.08	10800	16656	1.10			3.0	285	452	2.1						
0.09	9870	14722	1.20			3.2	295	426	2.0						
0.11	7980	12912	1.50			3.6	260	382	2.3						
0.12	7090	11656	1.70			4.2	225	330	2.7						
0.14	6300	10191	1.90			4.6	200	298	3.0						
						5.3	177	262	3.4						
0.09	9590	14767	0.80	AFA 107AR77 AFAF107AR77 AF 107AR77 AFF 107AR77	4P	2.2	425	622	0.95	AFA 47AR17 AFAF47AR17 AF 47AR17 AFF 47AR17	4P				
0.12	7610	11348	1.00			2.5	370	543	1.10						
0.14	5890	10039	1.30			2.9	320	475	1.25						
0.16	4880	8548	1.55			3.3	280	419	1.45						
0.18	4740	7674	1.60			2.6	365	524	1.10						
0.20	4120	6767	1.85			2.8	340	489	1.20						
0.23	3530	5954	2.2			3.2	290	427	1.35						
0.26	3070	5223	2.5			3.6	260	381	1.55						
0.30	2890	4567	2.7			4.1	225	334	1.75						
0.39	2140	3521	3.6			4.7	198	295	2.0						
						5.4	166	253	2.4						
0.19	4800	7328	0.90	AFA 97AR57 AFAF97AR57 AF 97AR57 AFF 97AR57	4P	4.3	210	322	0.95	AFA 37AR17 AFAF37AR17 AF 37AR17 AFF 37AR17	4P				
0.21	4040	6469	1.05			5.0	184	278	1.10						
0.25	3680	5615	1.15			5.7	157	242	1.30						
0.28	3200	4961	1.35			6.2	149	221	1.35						
0.32	2800	4333	1.55			4.2	225	326	0.90						
0.35	2550	3906	1.70			4.8	195	285	1.05						
0.41	2210	3352	1.95			5.5	170	250	1.20						
0.47	1820	2907	2.4			6.3	150	219	1.35						
0.54	1670	2553	2.6			7.4	127	186	1.60						
						8.3	114	167	1.75						
0.28	3250	4954	0.90	AFA 87AR57 AFAF87AR57 AF 87AR57 AFF 87AR57	4P	3.9	290	228.99	2.8	AFA 67 AFAF67 AF 67 AFF 67	4P				
0.33	2690	4245	1.00			4.6	250	195.39	3.3						
0.37	2200	3721	1.35			5.3	220	170.85	3.8						
0.43	2140	3244	1.40			5.6	205	162.31	4.0						
0.48	1900	2881	1.60			6.3	181	142.40	4.5						
0.54	1700	2576	1.75												
0.63	1440	2199	2.1			4.5	255	199.70	2.4	AFA 57 AFAF57 AF 57 AFF 57	4P				
0.72	1240	1930	2.4			4.9	235	183.60	2.6						
0.81	1120	1709	2.7			5.7	200	157.09	3.0						
0.92	980	1493	3.0			6.6	173	136.16	3.5						
1.1	785	1300	3.8	7.1	162	127.27	3.7								
1.2	710	1148	4.2	6.9	166	199.70	3.6								
						7.5	153	183.60	3.9						
0.53	1750	2613	0.85	AFA 77AR37 AFAF77AR37 AF 77AR37 AFF 77AR37	4P	8.8	130	157.09	4.6	AFA 47 AFAF47 AF 47 AFF 47	6P				
0.60	1520	2284	1.00			10	113	136.16	5.3						
0.68	1340	2029	1.10			4.7	245	190.76	1.65						
0.80	1130	1728	1.35			5.1	225	175.38	1.80						
0.89	1040	1544	1.45			6.0	191	150.06	2.1						
1.0	910	1354	1.65			6.9	166	130.07	2.4						
1.1	810	1200	1.85			7.4	155	121.57	2.6						
1.3	710	1053	2.1			8.6	134	105.09	3.0						
1.5	605	910	2.5			10	114	89.29	3.5						
1.7	501	810	2.9			11	102	79.72	3.9						
1.9	445	710	3.4												
0.97	920	1429	0.90	AFA 67AR37 AFAF67AR37 AF 67AR37 AFF 67AR37	4P	7.2	158	190.76	2.5	AFA 47 AFAF47 AF 47 AFF 47	4P				
1.1	830	1271	1.00			7.9	146	175.38	2.8						
1.2	700	1102	1.15			9.2	125	150.06	3.2						
1.4	615	970	1.35			11	108	130.07	3.7						
1.6	540	858	1.50												
1.8	475	755	1.75												
2.2	405	641	2.0												
2.4	375	572	2.2												
2.7	320	509	2.6												
3.2	275	437	3.0												
						7.0	164	128.51	1.20	AFA 37 AFAF37 AF 37 AFF 37	6P				
1.4	655	967	0.90	AFA 57AR37 AFAF57AR37 AF 57AR37 AFF 57AR37	4P	7.6	150	117.88	1.35						
1.6	585	851	1.05			9.0	128	100.36	1.55						
1.9	500	738	1.20			10	110	86.53	1.80						
2.1	435	646	1.40			11	103	80.65	1.95						



Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole
0.12KW						0.18KW					
11	107	128.51	1.85			0.46	3160	2881	0.95		
12	98	117.88	2.0			0.51	2820	2576	1.05		
14	83	100.36	2.4			0.60	2400	2199	1.25		
16	72	88.53	2.8			0.68	2080	1930	1.45		
17	67	80.65	3.0			0.77	1860	1709	1.60	AFA 87AR57	4P
20	59	70.50	3.4			0.88	1640	1493	1.85	AFAF87AR57	
21	55	66.09	3.6			1.0	1350	1300	2.2	AF 87AR57	
24	48	58.32	4.1			1.1	1210	1148	2.5	AFF 87AR57	
25	45	54.54	4.4			1.3	1050	1010	2.9		
27	43	51.70	4.7			1.5	940	887	3.2		
29	39	47.02	5.1			1.7	810	780	3.7		
31	36	43.83	5.5								
36	32	38.31	6.3			0.76	1880	1728	0.80		
38	30	35.91	6.7			0.86	1710	1544	0.90		
44	26	31.69	7.6			0.98	1500	1354	1.00		
49	23	28.09	8.6			1.1	1330	1200	1.15	AFA 77AR37	4P
58	20	23.88	10	AFA 37	4P	1.2	1170	1053	1.30	AFAF77AR37	
58	20	23.63	10	AFAF37		1.5	1000	910	1.50	AF 77AR37	
67	17	20.57	12	AF 37		1.6	860	810	1.75	AFF 77AR37	
72	16	19.27	13	AFF 37		1.9	755	710	2.0		
81	14	17.03	14			2.2	670	615	2.2		
87	13	15.81	15								
96	12	14.33	17			1.5	910	858	0.90		
107	11	12.87	19			1.8	800	755	1.00		
125	9.2	11.08	21			2.1	685	641	1.20		
132	8.7	10.42	21			2.3	625	572	1.30		
154	7.4	8.97	24			2.6	540	509	1.50		
186	6.2	7.44	23			3.0	470	437	1.75	AFA 67AR37	4P
205	5.6	6.74	25			3.4	420	384	1.95	AFAF67AR37	
228	5.0	6.05	27			2.6	560	500	1.45	AF 67AR37	
265	4.3	5.21	29			2.9	510	454	1.60	AFF 67AR37	
282	4.1	4.90	29			3.4	440	392	1.85		
327	3.5	4.22	31			4.0	370	333	2.2		
0.18KW						4.4	325	297	2.5		
0.10	13500	12912	0.90			5.1	285	261	2.9		
0.11	12100	11656	1.00	AFA 127 AR77	4P	5.6	260	238	3.2		
0.13	10700	10191	1.10	AFAF127 AR77		6.6	215	200	3.8		
0.15	8980	8831	1.35	AF 127 AR77							
0.17	7770	7643	1.55	AFF 127AR77		2.4	615	558	1.00		
0.20	7150	6715	1.70			2.6	550	506	1.10		
						2.9	485	452	1.25		
						3.4	415	386	1.45		
0.15	8560	8548	0.90			3.9	360	338	1.65		
0.17	8050	7674	0.95			3.1	485	426	1.25	AFA 57AR37	4P
0.20	7030	6767	1.10			3.5	430	382	1.40	AFAF57AR37	
0.22	6090	5954	1.25	AFA 107AR77	4P	4.0	370	330	1.60	AF 57AR37	
0.25	5310	5223	1.45	AFAF107AR77		4.4	335	298	1.80	AFF 57AR37	
0.26	4860	4567	1.60	AF 107AR77		5.0	295	262	2.0		
0.37	3660	3521	2.1	AFF 107AR77		5.8	250	226	2.4		
0.43	2170	3037	2.4			6.6	215	200	2.8		
0.48	2880	3756	2.7								
0.56	2470	2369	3.1			3.6	400	370	1.00		
0.64	2160	2068	3.6			4.1	365	324	1.10		
						4.6	315	288	1.25		
						5.3	270	249	1.50		
0.30	4660	4333	0.90			4.0	375	334	1.05	AFA 47AR17	4P
0.34	4260	3906	1.00			4.5	330	295	1.20	AFAF47AR17	
0.39	3670	3352	1.15			5.2	280	253	1.45	AF 47AR17	
0.45	3100	2907	1.40			6.1	245	217	1.60	AFF 47AR17	
0.52	2790	2553	1.55	AFA 97AR57	4P	7.0	215	190	1.85		
0.59	2450	2245	1.75	AFAF97AR57		7.4	200	178	2.0		
0.67	2130	1970	2.0	AF 97AR57							
0.77	1890	1722	2.3	AFF 97AR57		7.1	210	186	0.95	AFA 37AR17	4P
0.86	1670	1527	2.6			7.9	188	167	1.05	AFAF37AR17	
0.99	1380	1327	3.1			9.1	166	145	1.20	AF 37AR17	
1.1	1280	1171	3.3			10	146	129	1.35	AFF 37AR17	

AF

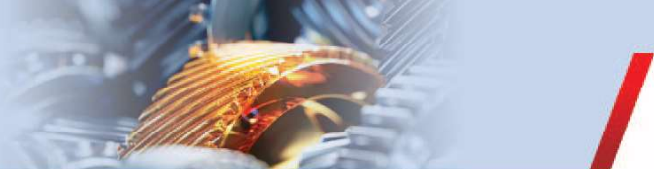


Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole
0.18KW						0.18KW					
3.1	555	281071	2.7	AFA 77	6P	103	17	12.87	12	AFA 37 AFAF37 AF 37 AFF 37	4P
3.3	520	262.93	2.9	AFAF77		119	14	11.08	13		
3.8	445	225.79	3.4	AF 77		127	14	10.42	14		
				AFF 77		147	12	8.97	15		
						178	9.7	7.44	15		
3.8	450	228.99	1.80	AFA 67	6P	196	8.8	6.74	16	AFA 37 AFAF37 AF 37 AFF 37	4P
4.4	385	195.39	2.1	AFAF67		218	7.9	6.05	17		
5.1	340	170.85	2.4	AF 67		253	6.8	5.21	18		
				AFF 67		269	6.4	4.90	19		
						313	5.5	4.22	20		
5.8	300	228.99	2.8	AFA 67	4P	0.25KW					
6.8	255	195.39	3.2	AFAF67		0.15	13300	8831	0.90	AFA 127AR77 AFAF127AR77 AF 127AR77 AFF 127AR77	4P
7.7	225	170.85	3.7	AF 67		0.17	11500	7643	1.05		
				AFF 67		0.19	10400	6715	1.15		
						0.22	9190	5925	1.30		
					0.25	7860	5153	1.55			
4.4	395	199.70	1.50	AFA 57 AFAF57 AF 57 AFF 57	6P	0.29	6850	4533	1.75	AFA 107AR77 AFAF107AR77 AF 107AR77 AFF 107AR77	4P
4.7	365	183.60	1.65			0.22	9000	5954	0.85		
5.5	310	157.09	1.95			0.25	7860	5223	1.00		
6.4	270	136.16	2.2			0.28	7090	4567	1.10		
6.8	250	127.27	2.4			0.37	5370	3521	1.45		
7.9	215	110.01	2.8	AFA 57 AFAF57 AF 57 AFF 57	4P	0.43	4680	3037	1.65		
6.6	260	199.70	2.3			0.47	4240	2756	1.80		
7.2	240	183.60	2.5			0.55	3650	2369	2.1		
8.4	205	157.09	2.9			0.63	3180	2068	2.4		
9.7	177	136.16	3.4			0.81	2440	1597	3.2		
10	166	127.27	3.6	AFA 47 AFAF47 AF 47 AFF 47	6P	0.93	2110	1401	3.6	AFA 97AR57 AFAF97AR57 AF 97AR57 AFF 97AR57	4P
4.6	375	190.79	1.05			0.45	4530	2907	0.95		
5.0	345	175.38	1.15			0.51	4050	2553	1.05		
5.8	295	150.06	1.35			0.58	3560	2245	1.20		
6.7	255	130.07	1.55			0.66	3100	1970	1.40		
7.2	240	121.57	1.65	AFA 47 AFAF47 AF 47 AFF 47	4P	0.75	2740	1722	1.55		
6.9	250	190.76	1.60			0.85	2430	1527	1.75		
7.5	230	175.38	1.75			0.98	2040	1327	2.1		
8.8	195	150.06	2.0			1.1	1860	1171	2.3		
10	169	130.07	2.4			1.3	1630	1022	2.6		
11	158	121.57	2.5	AFA 37 AFAF37 AF 37 AFF 37	6P	0.67	3040	1930	1.00	AFA 87AR57 AFAF87AR57 AF 87AR57 AFF 87AR57	4P
7.4	235	117.88	0.85			0.76	2710	1709	1.10		
8.7	198	100.36	1.00			0.87	2380	1493	1.25		
10	171	86.53	1.15			1.0	1990	1300	1.50		
11	159	80.65	1.25			1.1	1780	1148	1.70		
12	139	70.50	1.45	AFA 37 AFAF37 AF 37 AFF 37	4P	1.3	1550	1010	1.95		
10	167	128.51	1.20			1.5	1370	887	2.2		
11	154	117.88	1.30			1.7	1200	780	2.5		
13	131	100.36	1.55			1.9	1020	674	2.9		
15	113	86.53	1.75			1.2	1690	1053	0.90	AFA 77AR37 AFAF77AR37 AF 77AR37 AFF 77AR37	4P
16	105	80.65	1.90	1.4	1450	910	1.05				
19	92	70.50	2.2	1.6	1260	810	1.20				
20	86	66.09	2.3	1.8	1110	710	1.35				
23	76	58.32	2.6	2.1	970	615	1.55				
24	71	54.54	2.8	AFA 37 AFAF37 AF 37 AFF 37	4P	2.4	850	538	1.75		
26	67	51.70	3.0			2.7	760	480	2.0		
28	61	47.02	3.3			3.2	645	413	2.3		
30	57	43.83	3.5			2.0	1000	641	0.80	AFA 67AR37 AFAF67AR37 AF 67AR37 AFF 67AR37	4P
34	50	38.31	4.0			2.3	910	572	0.90		
37	47	35.91	4.3	2.6	795	509	1.05				
42	41	31.69	4.8	3.0	685	437	1.20				
47	37	28.09	5.5	2.6	810	500	1.00				
55	31	23.88	6.4	AFA 37 AFAF37 AF 37 AFF 37	4P	2.9	740	454	1.10		
56	31	23.63	6.5			3.3	635	392	1.30		
64	27	20.57	7.5			3.9	535	333	1.55		
69	25	19.27	8.0			4.4	475	297	1.70		
78	22	17.03	9.0			5.0	420	261	1.95		
83	21	15.81	9.7	AFA 37 AFAF37 AF 37 AFF 37	4P	5.5	375	238	2.2		
92	19	14.33	11								



Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole		
0.25KW						0.25KW							
3.4	605	386	1.00	AFA 57AR37 AFAF57AR37 AF 57AR37 AFF 57AR37	4P	11	225	121.57	1.80	AFA 47	4P		
3.8	525	338	1.15			12	193	105.09	2.1	AFAF47			
5.1	400	255	1.50			15	164	89.29	2.4	AF 47			
3.4	625	382	0.95							AFF 47			
3.9	535	330	1.10			10	235	128.51	0.85	AFA 37 AFAF37 AF 37 AFF 37	4P		
4.4	485	298	1.25			11	215	117.88	0.90				
5.0	425	262	1.40			13	184	100.36	1.10				
5.8	360	226	1.65			15	159	86.53	1.25				
6.5	320	200	1.90			16	148	80.65	1.35				
7.7	270	170	2.2	18	130	70.50	1.55						
				20	121	66.09	1.65						
				22	107	58.32	1.85						
5.2	395	249	1.00	AFA 47AR17 AFAF47AR17 AF 47AR17 AFF 47AR17	4P	24	100	54.54	2.0				
6.0	350	218	1.15			25	95	51.70	2.1				
6.7	305	193	1.30			28	86	47.02	2.3				
7.4	280	175	1.45			30	81	43.83	2.5				
5.1	405	253	1.00			34	70	38.31	2.8				
6.0	355	217	1.10			36	66	35.91	3.0				
6.8	310	190	1.30			41	58	31.69	3.4				
7.3	290	178	1.40			46	52	28.09	3.9				
8.7	240	149	1.65			54	44	23.88	4.6				
9.9	210	131	1.90	55	43	23.63	4.6	AFA 37 AFAF37 AF 37 AFF 37	4P				
8.9	240	145	0.85	63	38	20.57	5.3						
10	210	129	0.95	67	35	19.27	5.7						
11	193	118	1.05	76	31	17.03	6.4						
13	160	98	1.25	82	29	15.81	6.9						
15	140	87	1.45	91	26	14.33	7.6						
				101	24	12.87	8.5						
				117	20	11.08	9.3						
				125	19	10.42	9.7						
				145	17	8.97	11						
3.1	765	281.71	1.95	AFA 77 AFAF77 AF 77 AFF 77	6P	175	14	7.44	11				
3.3	715	262.93	2.1			193	12	6.74	11				
3.9	615	225.79	2.5			215	11	6.05	12				
4.4	540	198.31	2.8			249	9.6	5.21	13				
4.7	510	188.40	2.9			265	9.0	4.90	13				
				AFA 67 AFAF67 AF 67 AFF 67	6P	308	7.7	4.22	14				
						0.37KW							
						0.21	14900	6715	0.80	AFA 127AR77 AFAF127AR77 AF 127AR77 AFF 127AR77	4P		
						0.23	13100	5925	0.90				
						0.27	11300	5153	1.05				
				0.30	9850	4533	1.20						
				0.35	8590	3926	1.40						
				0.40	7510	3454	1.60						
				0.46	6570	3031	1.85						
				0.45	6720	3037	1.15	AFA 107AR77 AFAF107AR77 AF 107AR77 AFF 107AR77	4P				
				0.50	6090	2756	1.25						
				0.58	5240	2369	1.45						
				0.67	4570	2068	1.70						
				0.86	3510	1597	2.2						
				AFA 57 AFAF57 AF 57 AFF 57	6P	0.61	5070	2245	0.85	AFA 97AR57 AFAF97AR57 AF 97AR57 AFF 97AR57	4P		
						0.70	4430	1970	0.95				
						0.80	3900	1722	1.10				
						0.90	3460	1527	1.25				
						1.0	2930	1327	1.45				
				1.2	2650	1171	1.60						
				1.4	2310	1022	1.85						
				1.5	1980	898	2.2						
				AFA 47 AFAF47 AF 47 AFF 47	6P	1.1	2870	1300	1.05			AFA 87AR57 AFAF87AR57 AF 87AR57 AFF 87AR57	4P
						1.2	2550	1148	1.20				
						1.4	2230	1010	1.35				
						1.6	1970	887	1.50				
						1.8	1720	780	1.75				
0.25KW						0.25KW							
3.4	605	386	1.00	AFA 57AR37 AFAF57AR37 AF 57AR37 AFF 57AR37	4P	11	225	121.57	1.80	AFA 47	4P		
3.8	525	338	1.15			12	193	105.09	2.1	AFAF47			
5.1	400	255	1.50			15	164	89.29	2.4	AF 47			
3.4	625	382	0.95							AFF 47			
3.9	535	330	1.10			10	235	128.51	0.85	AFA 37 AFAF37 AF 37 AFF 37	4P		
4.4	485	298	1.25			11	215	117.88	0.90				
5.0	425	262	1.40			13	184	100.36	1.10				
5.8	360	226	1.65			15	159	86.53	1.25				
6.5	320	200	1.90			16	148	80.65	1.35				
7.7	270	170	2.2	18	130	70.50	1.55						
				20	121	66.09	1.65						
				22	107	58.32	1.85						
5.2	395	249	1.00	AFA 47AR17 AFAF47AR17 AF 47AR17 AFF 47AR17	4P	24	100	54.54	2.0				
6.0	350	218	1.15			25	95	51.70	2.1				
6.7	305	193	1.30			28	86	47.02	2.3				
7.4	280	175	1.45			30	81	43.83	2.5				
5.1	405	253	1.00			34	70	38.31	2.8				
6.0	355	217	1.10			36	66	35.91	3.0				
6.8	310	190	1.30			41	58	31.69	3.4				
7.3	290	178	1.40			46	52	28.09	3.9				
8.7	240	149	1.65			54	44	23.88	4.6				
9.9	210	131	1.90	55	43	23.63	4.6	AFA 37 AFAF37 AF 37 AFF 37	4P				
8.9	240	145	0.85	63	38	20.57	5.3						
10	210	129	0.95	67	35	19.27	5.7						
11	193	118	1.05	76	31	17.03	6.4						
13	160	98	1.25	82	29	15.81	6.9						
15	140	87	1.45	91	26	14.33	7.6						
				101	24	12.87	8.5						
				117	20	11.08	9.3						
				125	19	10.42	9.7						
				145	17	8.97	11						
3.1	765	281.71	1.95	AFA 77 AFAF77 AF 77 AFF 77	6P	175	14	7.44	11				
3.3	715	262.93	2.1			193	12	6.74	11				
3.9	615	225.79	2.5			215	11	6.05	12				
4.4	540	198.31	2.8			249	9.6	5.21	13				
4.7	510	188.40	2.9			265	9.0	4.90	13				
				AFA 67 AFAF67 AF 67 AFF 67	6P	308	7.7	4.22	14				
						0.37KW							
						0.21	14900	6715	0.80	AFA 127AR77 AFAF127AR77 AF 127AR77 AFF 127AR77	4P		
						0.23	13100	5925	0.90				
						0.27	11300	5153	1.05				
				0.30	9850	4533	1.20						
				0.35	8590	3926	1.40						
				0.40	7510	3454	1.60						
				0.46	6570	3031	1.85						
				0.45	6720	3037	1.15	AFA 107AR77 AFAF107AR77 AF 107AR77 AFF 107AR77	4P				
				0.50	6090	2756	1.25						
				0.58	5240	2369	1.45						
				0.67	4570	2068	1.70						
				0.86	3510	1597	2.2						
				AFA 57 AFAF57 AF 57 AFF 57	6P	0.61	5070	2245	0.85	AFA 97AR57 AFAF97AR57 AF 97AR57 AFF 97AR57	4P		
						0.70	4430	1970	0.95				
						0.80	3900	1722	1.10				
						0.90	3460	1527	1.25				
						1.0	2930	1327	1.45				
				1.2	2650	1171	1.60						
				1.4	2310	1022	1.85						
				1.5	1980	898	2.2						
				AFA 47 AFAF47 AF 47 AFF 47	6P	1.1	2870	1300	1.05			AFA 87AR57 AFAF87AR57 AF 87AR57 AFF 87AR57	4P
						1.2	2550	1148	1.20				
						1.4	2230	1010	1.35				
						1.6	1970	887	1.50				
						1.8	1720	780	1.75				

AF



Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole
0.37KW						0.37KW					
2.0	1470	674	2.0	AFA 87AR57	4P	5.7	615	157.09	0.95	AFA 57	6P
2.3	1340	609	2.2	AFAF87AR57		6.6	535	136.16	1.10	AFAF57	
2.7	1130	515	2.7	AF 87AR57		7.1	500	127.27	1.20	AF 57	
3.0	1000	452	3.0	AFF 87AR57		8.2	430	110.01	1.40	AFF 57	
1.7	1810	810	0.85	AFA 77AR37	4P	6.9	510	199.70	1.15	AFA 57	4P
1.9	1590	710	0.95			7.5	470	183.60	1.30		
2.2	1390	615	1.10			8.8	400	157.09	1.50		
2.6	1210	538	1.25			10	350	136.16	1.70		
2.9	1080	480	1.40			11	325	127.27	1.85		
3.3	920	413	1.65			13	280	110.01	2.1		
3.8	830	367	1.80			15	240	93.47	2.5		
4.3	730	323	2.0	AFF 77AR37		17	215	83.46	2.8	AFF 57	
3.2	980	437	0.85	AFA 67AR37	4P	9.2	385	150.06	1.05	AFA 47	4P
3.6	870	384	0.95			11	335	130.07	1.20		
4.1	770	338	1.05			13	270	105.09	1.50		
4.5	685	305	1.20			15	230	89.29	1.75		
5.4	575	257	1.40			17	205	79.72	1.95		
6.0	510	231	1.60			AFF 67AR37	20	174	68.09		
						21	167	65.36	2.4	AFF 47	
5.4	570	255	1.05	AFA 57AR37	4P	16	220	86.53	0.90	AFA 37	4P
6.9	445	201	1.35			17	205	80.65	0.95		
7.6	405	181	1.50			20	181	70.50	1.10		
5.3	605	262	1.00			21	169	66.09	1.20		
6.1	515	226	1.15			24	149	58.32	1.35		
6.9	455	200	1.30			25	140	54.54	1.45		
8.1	385	170	1.55			27	132	51.70	1.50		
9.1	345	152	1.75			29	120	47.02	1.65		
10	300	134	2.0			31	112	43.83	1.80		
						36	98	38.31	2.0		
7.9	395	175	1.00	AFA 47AR17		38	92	35.91	2.2	AFAF37	
9.4	335	147	1.20	AFAF47AR17	44	81	31.69	2.5	AF 37		
11	295	130	1.35	AF 47AR17	49	72	28.09	2.8	AFF 37		
				AFF 47AR17	58	61	23.88	3.3			
2.5	1410	270.68	2.1	AFA 87	8P	58	61	23.63	3.3		
2.7	1330	255.37	2.3	AFAF87		67	53	20.57	3.8		
3.0	1190	228.93	2.5	AF 87		72	49	19.27	4.1		
3.5	1020	197.20	2.9	AFF 87		81	44	17.03	4.6		
					87	41	15.81	4.9			
3.3	1060	270.68	2.8	AFA 87	6P	96	37	14.33	5.4		
3.5	1000	255.37	3.0	AFAF87		107	33	12.87	6.1		
3.9	900	228.93	3.3	AF 87		125	28	11.08	6.7		
				AFF 87		132	27	10.42	6.9		
4.0	890	225.79	1.70	AFA 77	6P	154	23	8.97	7.6		
4.5	780	198.31	1.95			186	19	7.44	7.6		
4.8	740	188.40	2.0			205	17	6.74	8.1		
5.4	655	166.47	2.3			228	16	6.05	8.7		
6.3	560	142.27	2.7			265	13	5.21	9.4		
				AFF 77		282	13	4.90	9.6		
					327	11	4.22	10			
4.9	720	281.71	2.1	AFA 77	4P	0.55KW					
5.2	675	262.93	2.2	AFAF77		0.22	20500	6295	0.90	AFA 157AR97	4P
6.1	580	225.79	2.6	AF 77		0.25	17400	5404	1.05		
7.0	510	198.31	3.0	AFF 77		0.49	8930	2780	2.0		
					0.56	7760	2427	2.3			
4.6	765	195.39	1.05	AFA 67	6P	0.81	5520	1674	3.3		
5.3	670	170.85	1.20			1.0	4220	1308	4.3		
5.6	635	162.31	1.30	AFAF67		1.2	3730	1169	4.8		
6.3	560	142.40	1.45	AF 67							
7.4	475	120.79	1.75	AFF 67							
6.0	585	228.99	1.40	AFA 67	4P	0.35	13300	3926	0.90	AFA 127AR77	4P
7.1	500	195.39	1.65			0.39	11600	3454	1.05	AFAF127AR77	
8.1	435	170.85	1.85			0.45	10200	3031	1.20	AF 127AR77	
8.5	415	162.31	1.95							AFF 127AR77	
9.7	365	142.40	2.2								
11	310	120.79	2.7		AFF 67						



Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	
0.55KW						0.55KW						
0.57	8100	2369	0.95		4P	9.6	550	142.27	2.7	AFA 77	4P	
0.66	7070	2068	1.10			10	505	130.42	3.0	AFAF77		
0.74	6110	1826	1.25			12	440	114.45	3.4	AF 77		
0.85	5440	1597	1.40			13	420	108.46	3.6	AFF 77		
0.97	4750	1401	1.60	AFA 107AR77		14	365	94.93	4.1			
1.1	4160	1243	1.85	AFAF107AR77		4P	7.0	755	195.39	1.10		4P
1.2	3700	1087	2.1	AF 107AR77			8.0	660	170.85	1.25		
1.4	3180	950	2.4	AFF 107AR77			8.4	625	162.31	1.30		
1.6	2770	834	2.8				9.6	550	142.40	1.50	AFA 67	
2.1	2150	640	3.6		11		465	120.79	1.75	AFAF67		
					12		420	109.04	1.95	AF 67		
					14		370	95.94	2.2	AFF 67		
					15	350	90.59	2.3				
					17	310	79.76	2.7				
1.0	4530	1327	0.95		4P	8.7	605	157.09	1.00		4P	
1.2	4060	1171	1.05			10	525	136.16	1.15			
1.3	3550	1022	1.20			11	490	127.27	1.20			
1.5	3050	898	1.40	AFA 97AR57		12	425	110.01	1.40	AFA 57		
1.7	2690	784	1.60	AFAF97AR57		15	360	93.47	1.65	AFAF57		
2.0	2340	690	1.85	AF 97AR57		16	320	83.46	1.85	AF 57		
2.2	2060	605	2.1	AFF 97AR57		19	280	72.98	2.1	AFF 57		
2.6	1790	529	2.4			20	265	68.22	2.3			
2.9	1580	467	2.7			23	230	58.97	2.6			
3.4	1360	406	3.2		4P	13	405	105.09	1.00		4P	
3.7	1220	363	3.5			15	345	89.29	1.15			
						17	310	79.72	1.30	AFA 47		
1.5	3040	887	1.00			20	265	68.09	1.50	AFAF47		
1.7	2660	780	1.15	AFA 87AR57		21	250	65.36	1.60	AF 47		
2.0	2290	674	1.30	AFAF87AR57		24	220	56.49	1.85	AFF 47		
2.2	2080	609	1.45	AF 87AR57		28	185	48.00	2.2			
2.6	1750	545	1.70	AFF 87AR57		32	166	42.86	2.4			
3.0	1540	452	1.95			4P	23	225	58.32	0.90		
3.9	1160	345	2.6		25		210	54.54	0.95			
2.5	1860	538	0.80	AFA 77AR37	26		200	51.70	1.00			
2.8	1660	480	0.90	AFAF77AR37	29		182	47.02	1.10			
3.3	1420	413	1.05	AF 77AR37	31		169	43.83	1.20			
3.7	1270	367	1.20	AFF 77AR37	36		148	38.31	1.35			
4.2	1120	323	1.35		38		139	35.91	1.45			
5.3	890	257	0.90	AFA 67AR37	43		122	31.69	1.65			
5.9	790	231	1.05	AFAF67AR37	48		109	28.09	1.85			
6.6	705	205	1.15	AF 67AR37	57	92	23.68	2.2				
7.8	600	175	1.35	AFF 67AR37	58	91	23.63	2.2				
					66	79	20.57	2.5	AFA 37	4P		
2.5	2140	276.77	2.0	AFA 97	71	74	19.27	2.7	AFAF37			
2.7	1960	253.41	2.2	AFAF97	80	66	17.03	3.0	AF 37			
3.0	1730	223.88	2.5	AF 97	95	55	14.33	3.6	AFF 37			
				AFF 97	106	50	12.87	4.0				
2.5	2090	270.68	1.45	AFA 87	123	43	11.08	4.4				
2.7	1970	255.37	1.50	AFAF87	130	40	10.42	4.6				
3.0	1770	228.93	1.70	AF 87	152	35	8.97	5.1				
3.5	1520	197.20	1.95	AFF 87	170	31	8.01	5.5				
					183	29	7.44	5.1				
3.3	1580	270.68	1.90	AFA 87	202	26	6.74	5.4				
3.5	1490	255.37	2.0	AFAF87	225	23	6.05	5.8				
3.9	1340	228.93	2.2	AF 87	261	20	5.21	6.2				
4.6	1150	197.20	2.6	AFF 87	277	19	4.90	6.3				
5.0	1050	179.97	2.9		322	16	4.22	6.8				
					361	15	3.77	7.2				
4.0	1320	225.79	1.15	AFA 77	4P	0.75KW						
4.5	1160	198.31	1.30	AFAF77		0.50	12300	2780	1.45	AFA 157AR97	4P	
4.8	1100	188.40	1.35	AF 77		0.57	10700	2427	1.70	AFAF157AR97		
5.4	970	166.47	1.55	AFF 77		0.82	7580	1674	2.4	AF 157AR97		
6.3	830	142.27	1.80			1.1	5830	1308	3.1	AFF 157AR97		
6.9	760	130.42	1.95			1.2	5170	1169	3.5			
6.0	870	225.79	1.70	AFA 77								
6.9	765	198.31	1.95	AFAF77								
7.2	730	188.40	2.1	AF 77								
8.2	645	166.47	2.3	AFF 77								

AF



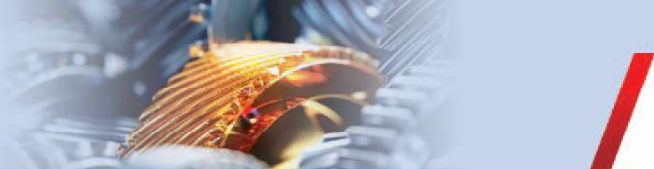
AF

Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	
0.75KW						0.75KW						
0.46	13800	3031	0.85			6.1	1170	225.79	1.30			
0.52	12400	2672	0.95			7.0	1030	198.31	1.45			
0.59	10900	2357	1.10	AFA 127AR77	4P	7.3	980	188.40	1.55	AFA 77	4P	
0.68	9390	2038	1.30	AFAF127AR77		8.3	860	166.47	1.75	AFAF77		
0.77	8190	1784	1.45	AF 127AR77		9.7	740	142.27	2.0	AF 77		
0.86	7350	1606	1.65	AFF 127AR77		11	675	130.42	2.2	AFF 77		
						12	595	114.45	2.5			
0.76	8360	1826	0.90			13	565	108.46	2.7			
0.86	7400	1597	1.05									
0.98	6470	1401	1.20			8.1	890	170.85	0.90		4P	
1.1	5690	1243	1.35	AFA 107AR77	4P	8.5	840	162.31	0.95			
1.3	5040	1087	1.50	AFAF107AR77		9.7	740	142.40	1.10			
1.5	4350	950	1.75	AF 107AR77		11	625	120.79	1.30	AFA 67		
1.7	3800	834	2.0	AFF 107AR77		13	565	109.04	1.45	AFAF67		
2.2	2940	640	2.6			14	500	95.94	1.65	AF 67	4P	
3.2	2000	436	3.8			15	470	90.59	1.75	AFF 67		
1.4	4810	1022	0.90			17	415	79.76	2.0			
1.5	4150	898	1.05			20	350	67.65	2.3			
1.8	3660	784	1.20			23	315	61.07	2.6			
2.0	3190	690	1.35									
2.3	2800	605	1.55	AFA 97AR57	4P	11	660	127.27	0.90		4P	
2.6	2440	529	1.75	AFAF97AR57		13	570	110.01	1.05			
3.0	2160	467	2.0	AF 97AR57		15	485	93.47	1.25			
3.4	1860	406	2.3	AFF 97AR57		17	435	83.46	1.40	AFA 57		
3.8	1670	363	2.6			19	380	72.98	1.60	AFAF57		
2.0	3120	674	0.95	AFA 87AR57	4P	20	355	68.22	1.70	AF 57	4P	
2.3	2830	609	1.05	AFAF87AR57		23	305	58.97	1.95	AFF 57		
2.7	2390	515	1.25	AF 87AR57		28	260	50.10	2.3			
3.0	2100	452	1.45	AFF 87AR57		31	230	44.73	2.6			
4.0	1590	345	1.90									
3.8	1720	367	0.85	AFA 77AR37	4P	17	415	79.72	0.95		4P	
4.3	1520	323	1.00	AFAF77AR37		20	355	68.09	1.15			
4.9	1310	280	1.15	AF 77AR37		21	340	65.36	1.20	AFA 47		
				AFF 77AR37		24	295	56.49	1.35	AFAF47		
						29	250	48.00	1.60	AF 47		
2.7	2640	254.40	2.9	AFA 107	4P	32	220	42.86	1.80	AFF 47	4P	
				AFAF107		38	190	36.61	2.1			
				AF 107		40	178	34.29	2.2			
				AFF 107		48	150	28.88	2.7			
2.5	2870	276.77	1.50	AFA 97	8P	29	145	47.02	0.80		4P	
2.7	2630	263.41	1.65	AFAF97		31	230	43.83	0.90			
3.1	2320	223.88	1.85	AF 97		36	199	38.31	1.00			
				AFF 97		38	186	35.91	1.05			
						44	165	31.69	1.20			
3.2	2200	276.77	1.95	AFA 97	6P	49	146	28.09	1.35		4P	
3.5	2020	253.41	2.1	AFAF97		58	124	23.88	1.60			
4.0	1780	223.88	2.4	AF 97		58	123	23.63	1.65			
				AFF 97		67	107	20.57	1.85			
						72	100	19.27	2.0			
3.3	2150	270.68	1.40			81	88	17.03	2.3	AFA 37	4P	
3.5	2030	255.37	1.50	AFA 87	6P	96	74	14.33	2.7	AFAF37		
3.9	1820	228.93	1.65	AFAF87		107	67	12.87	3.0	AF 37		
4.6	1570	197.20	1.90	AF 87		125	58	11.08	3.3	AFF 37		
5.0	1430	179.97	2.1	AFF 87		132	54	10.42	3.4			
5.6	1270	159.61	2.4			154	47	8.97	3.8		4P	
5.1	1400	270.68	2.1	AFA 87	4P	205	35	6.74	4.0			
5.4	1330	255.37	2.3	AFAF87		228	31	6.05	4.3			
6.0	1190	228.93	2.5	AF 87		265	27	5.21	4.6			
				AFF 87		282	25	4.90	4.7			
						327	22	4.22	5.0		4P	
						366	20	3.77	5.4			
1.1KW						1.1KW						
4.5	1580	198.31	0.95	AFA 77	6P	0.50	18200	2780	1.00	AFA 157AR97		4P
4.8	1500	188.40	1.00	AFAF77		0.58	16000	2427	1.15	AFAF157AR97		
5.4	1320	166.47	1.15	AF 77		0.64	14300	2185	1.25	AF 157AR97		
6.3	1130	142.27	1.30	AFF 77		0.72	12700	1944	1.40	AFF 157AR97		
6.9	1040	130.42	1.45			0.84	11200	1674	1.60			



Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	
1.1KW						1.1KW						
1.1	8640	1308	2.1		4P	11	980	130.42	1.55		4P	
1.2	7680	1169	2.3	AFA 157AR97		12	850	114.45	1.75	AFA 77		
1.5	6190	953	2.9	AFAF157AR97		13	810	108.46	1.85	AFAF77		
1.7	5450	845	3.3	AF 157AR97		15	710	94.93	2.1	AF 77		
3.1	2880	446	6.2	AFF 157AR97		16	640	85.52	2.3	AFF 77		
4.6	1950	302	9.2			19	565	75.02	2.7			
0.69	13800	2038	0.85		4P	12	910	120.79	0.90		4P	
0.79	12000	1784	1.00	AFA 127AR77		13	820	109.04	1.00			
0.87	10800	1606	1.10	AFAF127AR77		15	720	95.94	1.15			
1.0	9350	1390	1.30	AF 127AR77		15	680	90.59	1.20			
1.1	8170	1220	1.45	AFF 127AR77		18	600	79.76	1.35	AFA 67		
1.3	7260	1077	1.65			21	510	67.65	1.60	AFAF67		
1.1	8360	1243	0.90		4P	23	460	61.07	1.80	AF 67	4P	
1.3	7370	1087	1.05	AFA 107AR77		26	105	53.73	2.0	AFF 67		
1.5	6390	950	1.20	AFAF107AR77		28	380	50.74	2.2			
1.7	5590	823	1.35	AF 107AR77		32	325	43.20	2.5			
1.9	4910	723	1.55	AFF 107AR77		36	395	39.23	2.7			
2.2	4310	640	1.80			41	255	34.01	2.9			
2.0	4670	690	0.90		4P	17	625	83.46	0.95		4P	
2.3	4100	605	1.05	AFA 97AR57		19	550	72.98	1.10			
2.7	3580	529	1.20	AFAF97AR57		21	510	68.22	1.15	AFA 57		
3.0	3160	467	1.35	AF 97AR57		24	440	58.97	1.35	AFAF57		
3.5	2730	406	1.55	AFF 97AR57		28	375	50.10	1.60	AF 57		
3.8	2450	363	1.75			31	335	44.73	1.80	AFF 57		
3.1	3070	452	1.00	AFA 87AR57	4P	37	285	38.21	2.1		4P	
4.1	2330	345	1.30	AFAF87AR57		39	270	35.79	2.2			
4.7	2020	300	1.50	AF 87AR57		46	225	30.15	2.6			
5.6	1670	249	1.80	AFF 87AR57		25	425	56.49	0.95			4P
2.7	3930	254.40	1.95	AFA 107		29	360	48.00	1.10			
3.2	3330	215.37	2.3	AFAF107		33	320	42.86	1.25			
3.4	3080	199.31	2.5	AF 107	38	275	36.61	1.45	AFA 47			
3.8	2760	178.64	2.8	AFF 107	41	255	34.29	1.55	AFAF47			
3.3	3160	276.77	1.35		48	215	28.88	1.85	AF 47	4P		
3.6	2890	253.41	1.50	AFA 97	45	230	30.86	1.75	AFF 47			
4.1	2560	223.88	1.70	AFAF97	48	220	29.32	1.80				
4.8	2170	189.92	2.0	AF 97	54	193	25.72	2.1				
5.3	2000	174.87	2.2	AFF 97	64	164	21.82	2.4				
5.1	2080	276.77	2.1	AFA 97	71	148	19.70	2.7			4P	
5.5	1900	253.41	2.3	AFAF97	44	240	31.69	0.85				
6.2	1680	223.88	2.6	AF 97	50	210	28.09	0.95				
3.4	3090	270.68	0.95		59	179	23.88	1.10				
3.6	2920	255.37	1.05	AFA 87	68	154	20.57	1.30				
4.0	2610	228.93	1.15	AFAF87	73	145	19.27	1.40				
4.7	2250	197.20	1.35	AF 87	82	128	17.03	1.55		4P		
5.1	2050	179.97	1.45	AFF 87	98	108	14.33	1.85				
5.8	1820	159.61	1.65		109	97	12.87	2.1				
5.2	2030	270.68	1.50		126	83	11.08	2.3	AFA 37			
5.5	1920	255.37	1.55	AFA 87	134	78	10.42	2.4	AFAF37			
6.1	1720	228.93	1.75	AFAF87	156	67	8.97	2.6	AF 37			
7.1	1480	197.20	2.0	AF 87	175	60	8.01	2.8	AFF 37	4P		
7.8	1350	179.97	2.2	AFF 87	208	51	6.74	2.8				
8.8	1200	159.61	2.5		231	45	6.05	3.0				
10	1010	134.16	3.0		269	39	5.21	3.2				
11	930	123.29	3.2		286	37	4.90	3.3				
7.1	1490	198.31	1.00		332	32	4.22	3.5			4P	
7.4	1410	188.40	1.05		372	28	3.77	3.7				
8.4	1250	166.47	1.20		1.5KW							
9.8	1070	142.27	1.40		0.58	21900	2427	0.80		4P		
					0.65	19700	2185	0.90	AFA 157AR97			
					0.73	17500	1944	1.05	AFAF157AR97			
					0.84	15300	1674	1.20	AF 157AR97			
					1.1	11900	1308	1.50	AFF 157AR97			
					1.2	10600	1169	1.70				

AF



AF

Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole									
1.5KW						1.5KW														
1.5	8540	953	2.1	AFA 157AR97	4P	13	1100	108.46	1.35	AFA 77 AFAF77 AF 77 AFF 77	4P									
1.7	7530	845	2.4	AFAF157AR97		15	960	94.93	1.55											
3.2	3980	446	4.5	AF 157AR97		16	870	85.52	1.75											
4.7	2690	302	6.7	AFF 157AR97		19	760	75.02	1.95											
						19	735	72.50	2.0											
0.88	14800	1606	0.80	AFA 127AR77 AFAF127AR77 AF 127AR77 AFF 127AR77	4P	21	675	66.46	2.2											
1.0	12800	1390	0.95			24	595	58.32	2.5											
1.2	11200	1220	1.05			26	560	55.27	2.7											
1.3	9910	1077	1.20			29	490	48.37	3.0											
1.5	8520	930	1.40			32	445	43.58	3.4											
1.7	7500	820	1.60			37	390	38.23	3.9											
1.9	6630	727	1.80			39	370	36.58	3.0											
2.2	5960	648	2.0			45	320	31.51	4.3											
1.5	8730	950	0.90	AFA 107AR77 AFAF107AR77 AF 107AR77 AFF 107AR77	4P	16	920	90.59	0.90					AFA 67 AFAF67 AF 67 AFF 67	4P					
1.7	7640	834	1.00			18	810	79.76	1.00											
1.9	6730	736	1.15			21	685	67.65	1.20											
2.2	5890	640	1.30			23	620	61.07	1.30											
2.5	5110	560	1.50			26	545	53.73	1.50											
2.9	4460	489	1.70			28	515	50.74	1.60											
3.2	4010	438	1.90			33	440	43.20	1.85											
3.8	3400	370	2.3			36	400	39.26	1.95											
						39	370	36.30	2.2											
2.7	4880	529	0.90	AFA 97AR57	44	325	32.08	2.5												
3.0	4310	467	1.00	AFAF97AR57	51	280	27.41	2.9												
3.5	3730	406	1.15	AF 97AR57	56	255	25.13	3.2												
3.9	3340	363	1.30	AFF 97AR57																
4.1	3180	345	0.95	AFA 87AR57	4P	24	600	58.97	1.00			AFA 57 AFAF57 AF 57 AFF 57					4P			
4.7	2760	300	1.10	AFAF87AR57		28	510	50.10	1.20											
5.7	2290	249	1.30	AF 87AR57		32	455	44.73	1.30											
						37	390	39.21	1.55											
						39	365	35.79	1.65											
						47	305	30.15	1.95											
2.8	5210	254.40	1.50	AFA 107	8P	33	435	42.86	0.90											
3.2	4410	215.37	1.75	AFAF107		39	370	36.61	1.10											
3.5	4080	199.31	1.90	AF 107		41	350	34.29	1.15											
3.9	3660	178.64	2.1	AFF 107		49	295	28.88	1.35											
						46	315	30.86	1.30											
3.6	3960	254.40	1.95	AFA 107	6P	48	300	29.32	1.35				AFA 47 AFAF47 AF 47 AFF 47	4P						
4.3	3350	215.37	2.3	AFAF107		55	260	25.72	1.55											
4.6	3100	199.31	2.5	AF 107		65	220	21.82	1.80											
5.2	2780	178.64	2.8	AFF 107		72	200	19.70	2.0											
						81	176	17.33	2.3											
3.3	4310	276.77	1.00	AFA 97	6P	86	166	16.36	2.4											
3.6	3950	253.41	1.10	AFAF97		101	142	13.93	2.8											
4.1	3490	223.88	1.25	AF 97																
4.8	2960	189.92	1.45	AFF 97																
5.3	2720	174.87	1.60																	
5.1	2810	276.77	1.55	AFA 97	4P	69	210	20.57	0.95			AFA 37 AFAF37 AF 37 AFF 37							4P	
5.6	2570	253.41	1.65	AFAF97		73	196	19.27	1.00											
6.3	2270	223.88	1.90	AF 97		83	173	17.03	1.15											
7.4	1930	189.92	2.2	AFF 97		98	146	14.33	1.35											
8.1	1780	174.87	2.4																	
						110	131	12.87	1.55											
						127	113	11.08	1.70											
						135	106	10.42	1.75											
						157	91	8.97	1.90											
						176	81	8.01	2.1											
5.2	2750	270.68	1.10	AFA 87 AFAF87 AF 87 AFF 87	4P	209	69	6.74	2.0											
5.5	2590	255.37	1.15			233	62	6.05	2.2											
6.2	2330	228.93	1.30			271	53	5.21	2.4											
7.2	2000	197.20	1.50			288	50	4.90	2.4											
7.8	1830	179.97	1.65			334	43	4.22	2.6											
8.8	1620	159.61	1.85			374	38	3.77	2.7											
11	1360	134.16	2.2																	
13	1110	109.49	2.7																	
14	990	97.89	3.0																	
8.5	1690	166.47	0.90	AFA 77	4P															
9.9	1450	142.27	1.05	AFAF77																
11	1320	130.42	1.15	AF 77																
12	1160	114.45	1.30	AFF 77																



Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole
2.2KW						2.2KW					
0.98	18900	1441	0.95			11	1840	123.29	1.65		
1.1	17600	1308	1.00			13	1630	109.49	1.85		
1.2	15700	1169	1.15			14	1460	97.89	2.1		
1.5	12700	953	1.40			16	1310	88.01	2.3	AFA 87	
1.7	11200	845	1.60	AFA 157AR97		18	1140	76.39	2.6	AFAF87	
1.9	10100	764	1.80	AFAF157AR97	4P	21	1020	68.40	2.9	AF 87	4P
2.1	9020	680	2.0	AF 157AR97		25	850	56.75	3.5	AFF 87	
2.5	7610	576	2.4	AFF 157AR97		28	750	50.36	3.9		
3.2	5940	446	3.0			31	675	45.28	4.2		
4.7	4020	302	4.5								
5.2	3630	273	5.0			12	1710	114.45	0.90		
6.1	3060	232	5.9			13	1620	108.46	0.95		
7.2	2590	197	6.9			15	1410	94.93	1.05		
						16	1270	85.52	1.20		
						19	1120	75.02	1.35		
1.3	14600	1077	0.80			21	990	66.46	1.50	AFA 77	
1.5	12600	930	0.95			24	870	58.32	1.75	AFAF77	4P
1.7	11100	820	1.10	AFA 127AR77		26	820	55.27	1.80	AF 77	
1.9	9830	727	1.20	AFAF127AR77	4P	29	720	48.37	2.1	AFF 77	
2.2	8810	648	1.35	AF 127AR77		32	650	43.58	2.3		
2.6	7460	549	1.60	AFF 127AR77		39	545	36.58	2.0		
2.8	6720	495	1.80			45	470	31.51	2.9		
3.3	5810	428	2.1			49	430	28.75	3.3		
						55	380	25.50	4.0		
2.2	8700	640	1.90								
2.5	7580	560	1.00	AFA 107AR77		23	910	61.07	0.90		
2.9	6610	489	1.15	AFAF107AR77	4P	26	800	53.73	1.00		
3.2	5930	436	1.30	AF 107AR77		28	765	50.74	1.10		
3.8	5030	370	1.55	AFF 107AR77		33	645	43.20	1.25		
4.2	4520	333	1.70			36	585	39.26	1.35		
						41	505	34.01	1.45	AFA 67	
3.9	4940	363	0.85	AFA 97AR57		44	480	32.08	1.70	AFAF67	4P
4.9	3890	285	1.10	AFAF97AR57	4P	51	410	27.41	2.0	AF 67	
5.8	3340	245	1.30	AF 97AR57		56	375	25.13	2.2	AFF 67	
				AFF 97AR57		64	330	22.05	2.5		
						67	310	20.90	2.6		
						77	275	18.29	3.0		
2.8	7640	254.40	1.00	AFA 107							
3.2	6460	215.37	1.20	AFAF107	8P	32	665	44.73	0.90		
3.5	5980	199.31	1.30	AF 107		37	570	38.21	1.05		
3.9	5360	178.64	1.45	AFF 107		39	535	35.79	1.15		
						47	450	30.15	1.30	AFA 57	
3.7	5690	254.40	1.35	AFA 107		56	370	24.96	1.55	AFAF57	4P
4.4	4810	215.37	1.60	AFAF107	6P	67	315	21.17	1.90	AF 57	
4.7	4450	199.31	1.70	AF 107		74	285	19.11	2.1	AFF 57	
5.3	3990	178.64	1.90	AFF 107		84	250	16.81	2.4		
						89	235	15.88	2.5		
5.5	3790	254.40	2.0	AFA 107							
6.6	3210	215.37	2.4	AFAF107	4P	55	385	25.72	1.05		
7.1	2970	199.31	2.6	AF 107		65	328	21.82	1.25		
7.9	2660	178.64	2.9	AFF 107		72	295	19.70	1.35		
						81	260	17.33	1.55	AFA 47	
4.2	5000	223.88	0.85	AFA 97		86	245	16.36	1.65	AFAF47	4P
5.9	4240	189.92	1.00	AFAF97	6P	101	210	13.93	1.95	AF 47	
5.4	3910	174.87	1.10	AF 97		111	189	12.66	2.1	AFF 47	
6.0	3490	156.30	1.25	AFF 97		129	163	10.97	2.5		
						157	133	8.96	2.5		
5.1	4120	276.77	1.05								
5.6	3780	253.41	1.15			98	245	14.33	0.95		
6.3	3340	223.88	1.30	AFA 97		110	192	12.87	1.05		
7.4	2830	189.92	1.50	AFAF97	4P	127	165	11.08	1.15		
8.1	2610	174.87	1.65	AF 97		135	155	10.42	1.20		
9.0	2330	156.30	1.85	AFF 97		157	134	8.97	1.30	AFA 37	
10	2100	140.71	2.0			176	119	8.01	1.40	AFAF37	4P
11	1900	127.42	2.3			209	100	6.74	1.40	AF 37	
						233	90	6.05	1.50	AFF 37	
7.2	2940	197.20	1.00	AFA 87		271	78	5.21	1.60		
7.8	2680	179.97	1.10	AFAF87	4P	288	73	4.90	1.65		
8.8	2380	159.61	1.25	AF 87		334	63	4.22	1.75		
11	2000	134.16	1.50	AFF 87		374	56	3.77	1.85		

AF



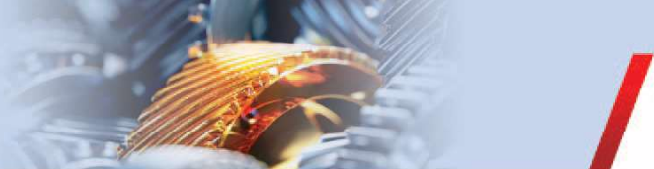
AF

Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole
3.0KW						3.0KW					
1.2	21700	1169	0.85			32	880	43.20	0.95		
1.5	17600	953	1.00			36	800	39.26	0.95		
1.7	15600	845	1.15			41	695	34.01	1.05		
1.8	14100	764	1.30			44	655	32.08	1.25		
2.1	12500	680	1.45	AFA 157AR97		51	560	27.41	1.45		
2.4	10600	576	1.70	AFAF157AR97	4P	56	515	25.13	1.60	AFA 67	
3.1	8250	446	2.2	AF 157AR97		63	450	22.05	1.80	AFAF67	4P
4.6	5580	302	3.2	AFF 157AR97		67	430	20.90	1.90	AF 67	
5.1	5040	273	3.6			77	375	18.29	2.2	AFF 67	
6.1	4250	232	4.2			85	335	16.48	2.4		
7.1	3610	197	5.0			97	295	14.46	2.8		
1.9	13600	727	0.90	AFA 127AR77		56	510	24.96	1.15		
2.2	12200	648	1.00	AFAF127AR77	4P	66	435	21.17	1.40		
2.5	10300	549	1.15	AF 127AR77		73	390	19.11	1.55	AFA 57	
2.8	9270	495	1.30	AFF 127AR77		83	345	16.81	1.75	AFAF57	4P
3.2	8170	436	0.95	AFA 107AR77		88	325	15.88	1.75	AF 57	
3.8	6930	370	1.10	AFAF107AR77	4P	104	275	13.52	2.2	AFF 57	
4.2	6240	333	1.25	AF 107AR77		114	250	12.29	2.4		
4.8	5460	291	1.40	AFF 107AR77		132	220	10.64	2.8		
3.7	7750	254.40	1.00	AFA 107		71	405	19.70	1.00		
4.4	6560	215.37	1.15	AFAF107	6P	81	355	17.33	1.15		
4.7	6070	199.31	1.25	AF 107		86	335	16.36	1.20	AFA 47	
5.3	5440	178.64	1.40	AFF 107		100	285	13.93	1.40	AFAF47	4P
5.5	5210	254.40	1.50	AFA 107		111	260	12.66	1.55	AF 47	
6.5	4410	215.37	1.75	AFAF107	4P	128	225	10.97	1.80	AFF 47	
7.0	4080	199.31	1.90	AF 107		156	183	8.96	1.80		
7.8	3660	178.64	2.1	AFF 107		126	225	11.08	0.85		
8.7	3300	161.28	2.3			134	215	10.42	0.85		
6.2	4580	233.88	0.95			156	184	8.97	0.95		
7.4	3890	189.92	1.10			175	164	8.01	1.05		
8.0	3580	174.87	1.20			208	138	6.74	1.00	AFA 37	
9.0	3200	156.30	1.35	AFA 97	4P	231	124	6.05	1.10	AFAF37	4P
9.9	2880	140.71	1.50	AFAF97		269	107	5.21	1.15	AF 37	
11	2610	127.42	1.65	AF 97		286	100	4.90	1.20	AFF 37	
12	2310	112.99	1.85	AFF 97		332	86	4.22	1.25		
14	2090	102.16	2.1			372	77	3.77	1.35		
16	1840	89.85	2.3			4.0KW					
10	2750	134.16	1.10			1.7	20600	845	0.85		
11	2520	123.29	1.20			1.9	18600	764	0.95		
13	2240	109.49	1.35			2.1	16600	680	1.10		
14	2000	97.89	1.50			2.5	14000	576	1.30	AFA 157AR97	
16	1800	88.01	1.65	AFA 87	4P	3.2	10900	446	1.65	AFAF157AR97	4P
18	1560	76.39	1.90	AFAF87		4.7	7390	302	2.4	AF 157AR97	
20	1400	68.40	2.1	AF 87		5.2	6670	273	2.7	AFF 157AR97	
25	1160	56.75	2.6	AFF 87		6.1	5640	232	3.2		
28	1030	50.36	2.8			7.2	4780	197	3.8		
16	1750	85.52	0.85			2.6	13600	549	0.90	AFA 127AR77	
19	1540	75.02	1.00			2.9	12200	495	1.00	AFAF127AR77	4P
21	1360	66.46	1.10			3.3	10600	428	1.15	AF 127AR77	
24	1190	58.32	1.25			3.8	9270	376	1.30	AFF 127AR77	
25	1130	55.27	1.35			4.3	8230	333	1.95	AFA 107AR77	
29	990	48.37	1.50			4.9	7190	291	1.05	AFAF107AR77	4P
32	890	43.58	1.70	AFA 77	4P	5.6	6310	255	1.20	AF 107AR77	
37	780	38.23	1.90	AFAF77						AFF 107AR77	
38	750	36.58	1.50	AF 77		4.2	9060	170.83	1.30	AFA 127	
44	645	31.51	2.1	AFF 77		4.7	8150	153.67	1.45	AFAF127	4P
49	590	28.75	2.4			5.7	6650	125.37	1.80	AF 127	
55	520	25.50	2.9							AFF 127	
65	440	21.43	3.4								



Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole
4.0KW						4.0KW					
5.6	6840	254.40	1.10			67	570	21.17	1.05		
6.6	5790	215.37	1.35			74	515	19.11	1.15		
7.1	5360	199.31	1.45			84	450	16.81	1.35		
7.9	4810	178.64	1.60			89	425	15.88	1.40		
8.8	4340	161.28	1.75	AFA 107		105	365	13.52	1.65		
9.7	3940	146.49	1.95	AFAF107	4P	116	330	12.29	1.80	AFA 57	
11	3500	129.97	2.2	AF 107		133	285	10.64	2.1	AFAF57	4P
12	3170	117.94	2.4	AFF 107		153	250	9.31	1.70	AF 57	
14	2730	101.38	2.8			173	220	8.19	1.90	AFF 57	
						184	210	7.73	2.0		
8.1	4700	174.87	0.90			216	177	6.58	2.4		
9.1	4200	156.30	1.00			237	161	5.98	2.6		
10	3780	140.71	1.15			274	139	5.18	3.0		
11	3430	127.42	1.25			5.5KW					
13	3040	112.99	1.40	AFA 97		2.5	19300	576	0.95		
14	2750	102.16	1.55	AFAF97	4P	2.8	16800	503	1.05		
15	2620	97.58	1.65	AF 97		3.2	15000	446	1.20		
16	2420	89.85	1.80	AFF 97		4.1	11800	353	1.55	AFA 157AR97	
18	2160	80.31	2.0			4.7	10100	302	1.80	AFAF157AR97	4P
20	1940	72.30	2.2			5.2	9160	273	1.95	AF 157AR97	
22	1760	65.47	2.4			6.2	7750	232	2.3	AFF 157AR97	
13	2950	109.49	1.00			7.1	6750	202	2.7		
15	2630	97.89	1.15			7.3	6570	197	2.7		
16	2370	88.01	1.25	AFA 87		3.4	14000	418	0.85		
19	2050	76.39	1.45	AFAF87	4P	3.8	12600	374	0.95	AFA 127AR77	
21	1840	68.40	1.65	AF 87		4.6	10500	312	1.15	AFAF127AR77	4P
25	1530	56.75	1.95	AFF 87		4.9	9840	293	1.20	AF 127AR77	
28	1350	50.36	2.2			5.5	8680	259	1.40	AFF 127AR77	
31	1220	45.28	2.3			6.4	7500	223	1.60		
21	1790	66.46	0.85								
24	1570	58.32	0.95			3.3	14500	428	0.85	AFA 127AR77	
26	1490	55.27	1.00			3.8	12700	376	0.95	AFAF127AR77	4P
29	1300	48.37	1.15							AF 127AR77	
33	1170	43.58	1.30							AFF 127AR77	
37	1030	38.23	1.45	AFA 77		2.7	19800	267.43	0.90		
42	910	33.74	1.65	AFAF77	4P	3.3	16100	217.62	1.10		
47	800	29.91	1.85	AF 77		4.0	13200	178.20	1.35		
56	685	25.54	2.1	AFF 77		4.4	12100	162.96	1.50	AFA 157	
45	850	31.51	1.65			5.0	10500	141.80	1.70	AFAF157	8P
49	775	28.75	1.85			5.7	9260	125.14	1.95	AF 157	
56	685	25.50	2.2			6.5	8030	108.49	2.2	AFF 157	
66	575	21.43	2.6			7.4	7140	96.53	2.5		
72	530	19.70	2.8			8.4	6350	85.80	2.8		
52	735	27.41	1.10			9.1	5800	78.46	3.1		
57	675	25.13	1.20			10	5050	68.28	3.6		
64	595	22.05	1.40								
68	560	20.90	1.45			4.2	12600	170.38	0.95	AFA 127	
78	490	18.29	1.64			4.6	11400	153.27	1.05	AFAF127	8P
86	445	16.48	1.85			5.7	9270	125.04	1.30	AF 127	
98	390	14.46	2.1			6.2	8460	114.04	1.40	AFF 127	
111	345	12.76	2.4								
126	305	11.31	2.7			6.6	7910	215.37	0.95		
147	260	9.66	3.2	AFA 67		7.2	7320	199.31	1.05		
156	245	9.08	2.2	AFAF67	4P	8.0	6560	178.64	1.15		
165	230	8.60	2.5	AF 67		8.9	5920	161.28	1.30		
189	205	7.53	3.0	AFF 67		9.8	5380	146.49	1.45	AFA 107	
209	183	6.78	3.4			11	4770	129.97	1.60	AFAF107	4P
239	160	5.95	3.8			12	4330	117.94	1.75	AF 107	
270	141	5.25	4.2			14	3720	101.38	2.1	AFF 107	
305	125	4.66	4.5			15	3400	92.47	2.3		
357	107	3.97	4.7			16	3250	88.49	2.4		
						17	3080	83.99	2.5		
						11	4680	127.42	0.90	AFA 97	
						13	4150	112.99	1.05	AFAF97	4P
						14	3750	102.16	1.15	AF 97	
										AFF 97	

AF



Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fa)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fa)	Type	Motor pole
5.5KW						7.5KW					
15	3580	97.58	1.20	AFA 97 AF 97 AFF 97	4P	4.6	14300	312	0.85	AFA 127AR87 AF 127AR87 AFF 127AR87	4P
16	3300	89.85	1.30			4.9	13500	293	0.90		
17	3180	86.59	1.35			5.5	11900	259	1.00		
18	2950	80.31	1.45			6.4	10300	223	1.15		
19	2780	75.63	1.55			7.2	9080	198	1.30	AFA 157 AF 157 AFF 157	8P
20	2660	72.30	1.60			3.3	21600	217.62	0.85		
22	2400	65.47	1.80			4.0	17700	178.20	1.00		
25	2130	58.06	2.0			4.4	16200	162.96	1.10		
27	1930	52.49	2.2			5.1	14100	141.80	1.30		
16	3230	88.01	0.95	AFA 87 AF 87 AFF 87	4P	5.8	12400	125.14	1.45		
19	2810	76.39	1.05			6.6	10800	108.49	1.65		
21	2510	68.40	1.20			7.5	9600	96.53	1.85		
25	2080	56.75	1.45			8.4	8530	85.80	2.1		
28	1850	50.36	1.60			9.2	7810	78.46	2.3		
32	1660	45.28	1.70			11	6790	68.28	2.7		
36	1440	39.30	1.90			12	5990	60.25	3.0		
41	1290	35.19	2.0			14	5200	52.24	3.5		
49	1070	29.20	2.3	AFA 77 AF 77 AFF 77	4P	15	4620	46.48	3.9	AFA 157 AF 157 AFF 157	6P
42	1250	33.92	2.1			18	3980	40.06	4.5		
50	1060	28.78	2.3			3.6	20000	267.43	0.90		
54	970	26.50	3.1			4.4	16200	217.62	1.10		
60	870	23.68	3.5			5.4	13300	178.20	1.35		
30	1780	48.37	0.85			5.9	12200	162.96	1.50		
33	1600	43.58	0.95			6.8	10600	141.80	1.70		
37	1400	38.23	1.05			7.7	9340	125.14	1.95		
42	1240	33.74	1.20	AFA 67 AF 67 AFF 67	4P	8.9	8090	108.49	2.2	AFA 127 AF 127 AFF 127	8P
48	1100	29.91	1.35			9.9	7200	96.53	2.5		
56	940	25.54	1.55			11	6400	85.80	2.8		
56	940	25.50	1.60			12	5850	78.46	3.1		
67	785	21.43	1.90			14	5090	68.28	3.5		
73	725	19.70	2.1			16	4500	60.25	4.0		
82	645	17.49	2.3			18	3900	52.24	4.6		
91	575	15.64	2.6	AFA 57 AF 57 AFF 57	4P	5.7	12500	125.04	0.95	AFA 127 AF 127 AFF 127	6P
102	515	14.06	2.9			6.3	11400	114.04	1.05		
117	450	12.21	3.3			7.3	9840	98.69	1.20		
65	810	22.05	1.00			8.2	8690	87.08	1.40		
68	770	20.90	1.05			5.6	12700	170.38	0.95	AFA 107 AF 107 AFF 107	4P
78	670	18.29	1.20			6.2	11500	153.27	1.05		
87	605	16.48	1.35			7.7	9350	125.04	1.30		
99	530	14.46	1.55			8.4	8530	114.04	1.40		
112	470	12.76	1.75			8.4	8560	170.38	1.40	AFA 97 AF 97 AFF 97	4P
126	415	11.31	1.95			9.3	7700	153.27	1.55		
148	355	9.66	2.3			11	6280	125.04	1.90		
158	335	9.08	1.60			8.0	8950	178.64	0.85		
166	315	8.60	1.80			8.9	8080	161.28	0.95		
190	275	7.53	2.2			9.8	7340	146.49	1.05		
211	250	6.78	2.5			11	6410	129.97	1.20		
240	220	5.95	2.8			12	5910	117.94	1.30		
272	193	5.25	3.1	AFA 97 AF 97 AFF 97	4P	14	5080	101.38	1.50	AFA 97 AF 97 AFF 97	4P
307	171	4.66	3.3			15	4630	92.47	1.65		
360	146	3.97	3.4			16	4430	88.49	1.75		
85	620	16.81	0.95			17	4210	83.99	1.85		
90	585	15.88	1.05			19	3730	74.52	2.1		
106	495	13.52	1.20			21	3390	67.62	2.3		
116	450	12.29	1.35			15	4890	97.58	0.90	AFA 97 AF 97 AFF 97	4P
134	390	10.64	1.55			16	4500	89.85	0.95		
175	300	8.19	1.40			17	4340	86.59	1.00		
185	285	7.73	1.50			18	4020	80.31	1.05		
217	240	6.58	1.75			19	3790	75.63	1.15		
239	220	5.98	1.90			20	3620	72.30	1.20		
276	190	5.18	2.2			22	3280	65.47	1.30		



Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fa)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fa)	Type	Motor pole
7.5KW						11.0KW					
25	2910	58.06	1.50			5.4	19500	267.43	0.90		
27	2630	52.49	1.65			6.6	15900	217.62	1.15		
32	2230	44.49	1.95			8.1	13000	178.20	1.40		
37	1950	38.86	2.2			8.8	11900	162.96	1.50		
44	1630	32.50	2.6	AFA 97		10	10300	141.80	1.75	AFA 157	
33	2170	43.28	1.40	AFAF97	4P	12	9130	125.14	1.95	AFAF157	4P
39	1840	36.64	1.65	AF 97		13	7910	108.49	2.3	AF 157	
42	1700	33.91	2.5	AFF 97		15	7040	96.53	2.6	AFF 157	
47	1520	30.39	2.8			17	6260	85.80	2.9		
						18	5720	78.46	3.1		
						21	4980	68.28	3.6		
25	2840	56.75	1.05			7.7	13700	125.04	0.85	AFA 127	
28	2520	50.36	1.15			8.4	12500	114.04	0.95	AFAF127	6P
32	2270	45.28	1.25			9.7	10800	98.69	1.10	AF 127	
36	1970	39.30	1.40			11	9550	87.08	1.25	AFF 127	
41	1760	35.19	1.50	AFA 87		13	8250	75.21	1.45		
49	1460	29.20	1.70	AFAF87	4P						
50	1440	28.78	1.70	AF 87		8.4	12500	170.38	0.95		
54	1330	26.50	2.3	AFF 87		9.4	11200	153.27	1.05	AFA 127	
60	1190	23.68	2.5			11	9150	125.04	1.30	AFAF127	4P
67	1070	21.32	2.8			13	8340	114.04	1.45	AF 127	
74	970	19.31	3.1			15	7220	98.69	1.65	AFF 127	
84	860	17.12	3.5			16	6370	87.08	1.90		
92	775	15.48	3.9			19	5500	75.21	2.2		
42	1690	33.74	0.90								
48	1500	29.91	1.00			12	8600	117.94	0.90		
56	1280	25.54	1.15			14	7400	27.57	1.05		
56	1280	25.50	1.15			16	6750	25.14	1.15		
67	1070	21.43	1.40			17	6130	83.99	1.25		
73	990	19.70	1.50			19	5440	74.52	1.40	AFA 107	
82	880	17.49	1.70			21	4930	67.62	1.55	AFAF107	4P
91	785	15.64	1.90	AFA 77		25	4240	58.12	1.80	AF 107	
102	705	14.06	2.1	AFAF77	4P	28	3700	50.73	2.1	AFF 107	
117	610	12.21	2.5	AF 77		33	3140	43.03	2.5		
131	545	10.93	2.7	AFF 77		43	2470	33.79	3.0		
154	465	9.30	2.3			52	2010	27.57	3.9		
173	415	8.26	2.6			57	1830	25.14	4.3		
194	370	7.38	2.9								
215	335	6.64	3.2			22	4780	65.47	0.90		
248	290	5.76	3.7			25	4240	58.06	1.00		
277	260	5.16	4.2			27	3830	52.49	1.10		
344	215	4.28	4.7			32	3250	44.49	1.30	AFA 97	
11.0KW						37	2830	38.86	1.50	AFAF97	4P
4.8	20300	302	0.90	AFA 157AR97		44	2370	32.50	1.80	AF 97	
5.3	18300	273	1.00	AFAF157AR97	4P	42	2470	33.91	1.75	AFF 97	
6.2	15500	232	1.15	AF 157AR97		47	2220	30.39	1.95		
7.1	13500	202	1.35	AFF 157AR97		52	2000	27.44	2.2		
7.3	13200	197	1.35			58	1820	24.92	2.4		
						65	1610	22.11	2.7		
6.4	15000	223	0.80	AFA 127AR87		37	2870	39.30	0.95		
7.3	13300	198	0.90	AFAF127AR87	4P	41	2570	35.19	1.00		
8.7	11100	166	1.10	AF 127AR87		49	2130	29.20	1.20		
				AFF 127AR87		54	1930	26.50	1.55	AFA 87	
5.1	20700	141.80	0.85	AFA 157		61	1730	23.68	1.75	AFAF87	4P
5.8	18300	125.14	1.00	AFAF157	8P	68	1560	21.32	1.95	AF 87	
6.6	15800	108.49	1.15	AF 157		75	1410	19.31	2.1	AFF 87	
7.5	14100	96.53	1.30	AFF 157		84	1250	17.12	2.4		
						93	1130	15.48	2.7		
5.4	19500	178.20	0.90			110	960	13.12	3.1		
5.9	17800	162.96	1.00								
6.8	15500	141.80	1.15	AFA 157		73	1440	19.70	1.05		
7.7	13700	125.14	1.30	AFAF157	6P	82	1280	17.49	1.20	AFA 77	
8.9	11900	108.49	1.50	AF 157		92	1140	15.64	1.30	AFAF77	4P
9.9	10600	96.53	1.70	AFF 157		102	1030	14.06	1.45	AF 77	
11	9390	85.80	1.90			118	890	12.21	1.70	AFF 77	
12	8590	78.46	2.1			132	795	10.93	1.90		
						155	680	9.30	1.60		

AF

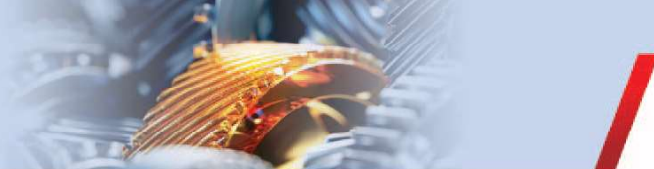


Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole
11.0KW						15.0KW					
174	605	8.26	1.80			59	2450	24.92	1.75		
195	540	7.38	2.0	AFA 77		66	2170	22.11	2.0	AFA 97	
217	485	6.64	2.2	AFAF77	4P	73	1970	20.07	2.2	AFAF97	4P
250	420	5.76	2.6	AF 77		85	1690	17.25	2.5	AF 97	
279	375	5.16	2.9	AFF 77		97	1480	15.06	2.9	AFF 97	
336	310	4.28	3.2			114	1250	12.77	3.4		
						131	1100	11.16	3.7		
15KW											
6.3	20900	232	0.85	AFA 157AR97		55	2600	26.50	1.15		
7.2	18300	202	1.00	AFAF157AR97	4P	62	2320	23.68	1.30		
7.4	17700	197	1.00	AF 157AR97		68	2090	21.32	1.45		
				AFF 157AR97		76	1890	19.31	1.60		
6.8	20900	141.80	0.85	AFA 157		85	1680	17.12	1.80		
7.8	18500	125.14	0.95	AFAF157	6P	94	1520	15.48	2.0		
8.9	16000	108.49	1.10	AF 157		111	1290	13.12	2.3	AFA 87	
10	14300	86.53	1.25	AFF 157		127	1120	11.46	2.7	AFAF87	4P
11	12700	85.80	1.40			152	940	9.58	3.1	AF 87	
						176	810	8.30	1.90	AFF 87	
6.7	21400	217.62	0.85			199	720	7.35	2.1		
8.2	17500	178.20	1.05			220	650	6.65	2.3		
9.0	16000	162.96	1.15			259	555	5.63	2.8		
10	13900	141.80	1.30			297	485	4.92	3.2		
12	12300	125.14	1.45	AFA 157		355	405	4.12	3.6		
13	10600	108.49	1.70	AFAF157	4P	18.5KW					
15	9470	96.53	1.90	AF 157		7.2	22500	202	0.80	AFA 157AR97	
17	8420	85.80	2.1	AFF 157		7.5	21800	197	0.80	AFAF157AR97	4P
19	7700	78.46	2.3							AF 157AR97	
21	6700	68.28	2.7							AFF 157AR97	
24	5910	60.25	3.0								
9.8	14600	98.69	0.80	AFA 127		8.2	21500	178.20	0.85		
11	12900	87.08	0.95	AFAF127	6P	9.0	19700	162.96	0.90		
13	11100	75.21	1.10	AF 127		10	17100	141.80	1.05		
14	10300	69.89	1.15	AFF 127		12	15100	125.14	1.20		
15	9440	63.74	1.25			14	13100	108.49	1.40	AFA 157	
						15	11600	96.53	1.55	AFAF157	4P
12	12300	125.04	1.00			17	10300	85.80	1.75	AF 157	
13	11200	114.04	1.05	AFA 127		19	9760	78.46	1.90	AFF 157	
15	9710	98.69	1.25	AFAF127	4P	21	8230	68.28	2.2		
17	8570	87.08	1.40	AF 127		24	7270	60.25	2.5		
19	7400	75.21	1.60	AFF 127		28	6300	52.24	2.9		
21	6870	69.89	1.75								
16	9070	92.47	0.85			13	13800	114.04	0.85		
17	8680	88.49	0.90			15	11900	98.69	1.00		
17	8240	83.99	0.95			17	10500	87.08	1.15	AFA 127	
20	7310	74.52	1.05	AFA 107		19	9090	75.21	1.30	AFAF127	4P
22	6630	67.62	1.15	AFAF107	4P	21	8450	69.89	1.40	AF 127	
25	5700	58.12	1.35	AF 107		23	7710	63.74	1.55	AFF 127	
29	4980	50.73	1.55	AFF 107		26	6670	55.16	1.80		
34	4220	43.03	1.80			30	5880	48.67	2.0		
39	3690	37.61	2.1			20	8990	74.52	0.85		
46	3120	31.80	2.5			22	8150	67.62	0.95		
43	3320	33.79	2.2			25	7010	58.12	1.10		
53	2700	27.57	2.9			29	6120	50.73	1.25	AFA 107	
58	2470	25.14	3.2			34	5190	43.03	1.50	AFAF107	4P
67	2130	21.76	3.7			39	4540	37.61	1.70	AF 107	
						46	3830	31.80	2.0	AFF 107	
33	4360	44.49	1.00	AFA 97		43	4070	33.79	1.80		
38	3810	38.86	1.15	AFAF97	4P	53	3320	27.57	2.4		
45	3190	32.50	1.35	AF 97		58	3030	25.14	2.6		
43	3330	33.91	1.30	AFF 97		67	2620	21.76	3.0		
48	2980	30.39	1.45			38	4690	38.86	0.90	AFA 97	
53	2690	27.44	1.60			45	3920	32.50	1.10	AFAF97	4P
						53	3310	27.44	1.30	AF 97	
						59	3010	24.92	1.45	AFF 97	
						66	2670	22.11	1.60		



Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole		
18.5KW						22KW							
73	2420	20.07	1.80	AFA 97 AFAF97 AF 97 AFF 97	4P	69	3060	21.32	1.00	AFA 87 AFAF87 AF 87 AFF 87	4P		
85	2080	17.25	2.1			76	2770	19.31	1.10				
97	1820	15.06	2.4			86	2460	17.12	1.20				
115	1540	12.77	2.8			95	2220	15.48	1.35				
131	1350	11.16	3.0			112	1880	13.12	1.60				
69	2570	21.32	1.15	AFA 87 AFAF87 AF 87 AFF 87	4P	128	1640	11.46	1.85			AFA 157 AFAF157 AF 157 AFF 157	4P
76	2330	19.31	1.30			153	1370	9.58	2.1				
86	2060	17.12	1.45			177	1190	8.30	1.30				
95	1870	15.48	1.60			199	1050	7.35	1.45				
112	1580	13.12	1.90			220	950	6.65	1.60				
128	1380	11.46	2.2			260	810	5.63	1.90				
153	1160	9.58	2.5			298	705	4.92	2.2				
177	1000	8.30	1.55			356	590	4.12	2.5				
199	890	7.35	1.75			30KW							
220	800	6.65	1.90			14	21100	108.49	0.85	AFA 157 AFAF157 AF 157 AFF 157	4P		
260	680	5.63	2.2			15	18800	96.53	0.95				
298	595	4.92	2.6	17	16700	85.80	1.10						
356	495	4.12	2.9	19	15300	78.46	1.20						
				22	13300	68.28	1.35						
				24	11700	60.25	1.55						
				28	10200	52.24	1.75						
22KW						32	9060	46.48	2.0	AFA 127 AFAF127 AF 127 AFF 127	4P		
10	20900	96.53	0.85	37	7810	40.06	2.3						
11	18600	85.80	0.95	19	14700	75.21	0.80						
12	17000	78.46	1.05	21	13700	69.89	0.90						
14	14800	68.28	1.20	23	12500	63.74	0.95						
				27	10800	55.16	1.10						
10	20300	141.80	0.90	30	9510	48.67	1.25						
12	17900	125.14	1.00	35	8210	42.04	1.45						
14	15600	108.49	1.15	39	7270	37.18	1.65						
15	13800	96.53	1.30	47	6110	31.25	1.95						
17	12300	85.80	1.45	58	4930	25.24	2.4						
19	11300	78.46	1.60	55	5240	26.79	1.60						
21	9790	68.28	1.85	60	4790	24.50	1.80						
24	8640	60.25	2.1	69	4170	21.32	2.9						
28	7490	52.24	2.4	78	3680	18.82	3.0						
32	6660	46.48	2.7										
37	5740	40.06	3.1										
45	4670	32.55	3.9										
15	14200	98.69	0.85	AFA 127 AFAF127 AF 127 AFF 127	4P	34	8390	43.03	0.90	AFA 107 AFAF107 AF 107 AFF 107	4P		
17	12500	87.08	0.95			39	7330	37.61	1.05				
19	10800	75.21	1.10			46	6200	31.80	1.25				
21	10000	69.89	1.20			53	5370	27.57	1.45				
23	9160	63.74	1.30			58	4900	25.14	1.60				
26	7930	55.16	1.50			68	4240	21.76	1.85				
30	7000	48.67	1.70			77	3740	19.20	2.1				
35	6040	42.04	2.0			89	3230	16.58	2.4				
				100	2860	14.67	2.7	AFA 97 AFAF97 AF 97 AFF 97	4P				
25	8330	58.12	0.90	119	2400	12.33	2.9						
29	7280	50.73	1.05	148	1940	9.96	3.3						
34	6170	43.03	1.25	66	4310	22.11	1.00						
39	5390	37.61	1.40	73	3910	20.07	1.10						
46	4560	31.80	1.70	85	3360	17.25	1.30						
43	4850	33.76	1.55	98	2930	15.06	1.45						
53	3950	27.57	2.0	115	2490	12.77	1.75						
58	3610	25.14	2.2	132	2180	11.16	1.96						
67	3120	21.76	2.5	162	1770	9.06	1.35						
76	2750	19.20	2.8	179	1600	8.22	1.45						
				208	1380	7.07	1.70	AFA 97 AFAF97 AF 97 AFF 97	4P				
53	3940	27.44	1.10	238	1200	6.17	1.85						
59	3570	24.02	1.20	281	1020	5.23	2.1						
66	3170	22.11	1.35	321	890	4.57	2.3						
73	2880	20.07	1.50										
85	2470	17.25	1.75										
97	2160	15.06	2.0										
115	1830	12.77	2.3										
131	1600	11.16	2.6										

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Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole				
37KW						45KW									
17	20600	85.80	0.85	AFA 157 AFAF157 AF 157 AFF 157	4P	53	8060	27.57	0.95	AFA 107 AFAF107 AF 107 AFF 107	4P				
19	18900	78.46	0.95			58	7350	25.14	1.05						
22	16400	68.28	1.10			68	6060	21.76	1.25						
24	14500	60.25	1.25			77	5810	19.20	1.40						
28	12600	52.24	1.45			89	4850	16.58	1.60						
32	11200	46.48	1.60			100	4290	14.67	1.80						
37	9630	40.06	1.85			119	3600	12.33	1.95						
45	7820	32.50	2.3			148	2910	9.96	2.2						
53	6630	27.60	2.7			152	2830	9.69	1.75						
						176	2450	8.37	1.95						
						199	2160	7.40	2.1						
						236	1820	6.22	2.5						
						55KW									
27	13300	55.16	0.90	AFA 127 AFAF127 AF 127 AFF 127	4P	24	21500	60.25	0.85	AFA 157 AFAF157 AF 157 AFF 157	4P				
30	11700	48.67	1.00			28	18600	52.24	0.95						
35	10100	42.04	1.20			32	16500	46.48	1.10						
39	8960	37.18	1.35			37	14300	40.06	1.25						
47	7530	31.25	1.60			45	11600	32.55	1.55						
58	6080	25.24	1.95			53	9830	27.60	1.85						
55	6460	26.79	1.30			52	10200	26.60	1.65						
60	5910	24.50	1.45			58	9060	25.43	1.65						
69	5140	21.32	2.3			67	7890	22.16	2.3						
78	4530	18.82	2.4			75	7040	19.77	2.4						
90	3930	16.31	2.8			88	6000	16.85	3.0						
101	3500	14.51	3.1												
117	3010	12.51	3.3												
144	2450	10.16	3.9												
166	2130	8.62	3.3												
186	1890	7.88	3.2												
53	6630	27.57	1.20	AFA 107 AFAF107 AF 107 AFF 107	4P	40	13300	37.18	0.90	AFA 127 AFAF127 AF 127 AFF 127	4P				
58	6040	25.14	1.30			47	11200	31.25	1.10						
68	5230	21.76	1.50			58	9010	25.24	1.35						
77	4610	19.20	1.70			69	7610	21.32	1.60						
89	3990	16.58	1.95			78	6720	18.82	1.65						
100	3530	14.67	2.2			90	5820	16.31	1.90						
119	2960	12.33	2.4			101	5180	14.51	2.1						
148	2390	9.96	2.7			118	4470	12.51	2.2						
152	2330	9.69	2.1			145	3630	10.16	2.6						
176	2010	8.37	2.4			166	3160	8.62	2.2						
199	1780	7.40	2.6			187	2810	7.88	2.1						
236	1500	6.22	3.1			217	2420	6.80	2.9						
						267	1970	5.52	3.0						
						315	1670	4.68	3.6						
45KW						75KW									
22	20000	68.28	0.90	AFA 157 AFAF157 AF 157 AFF 157	4P	32	22500	46.48	0.80	AFA 157 AFAF157 AF 157 AFF 157	4P				
24	17600	60.25	1.00			37	19400	40.06	0.95						
28	15300	52.24	1.20			45	15800	32.55	1.15						
32	13600	46.48	1.30			54	13400	27.60	1.35						
37	11700	40.06	1.55			52	13800	28.60	1.25						
45	9510	32.55	1.90			58	12300	25.43	1.20						
53	8070	27.60	2.2			67	10700	22.16	1.70						
						75	9570	19.77	1.80						
30	14300	48.67	0.85	AFA 127 AFAF127 AF 127 AFF 127	4P	88	8150	16.85	2.2	AFA 127 AFAF127 AF 127 AFF 127	4P				
35	12300	42.04	0.95			106	6760	13.96	2.5						
39	10900	37.18	1.10			124	5770	11.92	2.8						
47	9160	31.25	1.30												
58	7400	25.24	1.60												
55	7850	26.79	1.10												
60	7180	24.50	1.20												
69	6250	21.32	1.90												
78	5520	18.82	2.0												
90	4780	16.31	2.3												
101	4250	14.51	2.6												
117	3670	12.51	2.7												
144	2980	10.16	3.2												
166	2590	8.62	2.7												
186	2300	7.88	2.6												
216	1990	6.80	3.5												
266	1610	5.52	3.7												

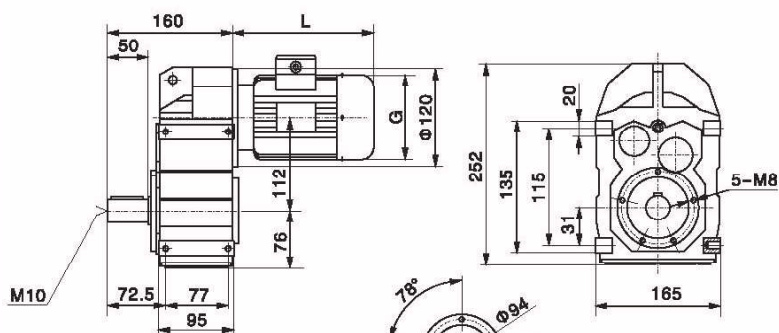


Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole
90KW					
45	18900	32.55	0.95		4P
54	18000	27.60	1.10		
52	16600	28.60	1.00		
58	14800	25.43	1.00	AFA 157	
67	12900	22.16	1.40	AFAF157	
75	11500	19.77	1.50	AF 157	
88	9790	16.85	1.85	AFF 157	
106	8110	13.96	2.1		
124	6920	11.92	2.3		
58	14700	25.24	0.80		4P
69	12400	21.32	0.95		
78	11000	18.82	1.00		
90	9500	16.31	1.15		
102	8450	14.51	1.30	AFA 127	
118	7280	12.51	1.35	AFAF127	
145	5920	10.16	1.60	AF 127	
167	5150	8.62	1.35	AFF 127	
188	4580	7.88	1.30		
218	3950	6.80	1.75		
268	3210	5.52	1.85		
316	2720	4.68	2.2		
110KW					
54	19500	27.60	0.90		4P
67	15700	22.16	1.15		
75	14000	19.77	1.20	AFA 157	
88	11900	16.85	1.50	AFAF157	
106	9880	13.96	1.70	AF 157	
125	8430	11.92	1.90	AFF 157	
132KW					
67	18800	22.16	1.15	AFA 157	4P
75	16800	19.77	1.20	AFAF157	
88	14300	16.85	1.50	AF 157	
106	11900	13.96	1.70	AFF 157	
125	10100	11.92	1.90		
160KW					
88	17300	16.85	1.05	AFA 157	4P
106	14400	13.96	1.20	AFAF157	
125	12300	11.92	1.30	AF 157	
				AFF 157	
200KW					
88	21700	16.85	0.85	AFA 157	4P
106	18000	13.96	0.95	AFAF157	
125	15300	11.92	1.05	AF 157	
				AFF 157	

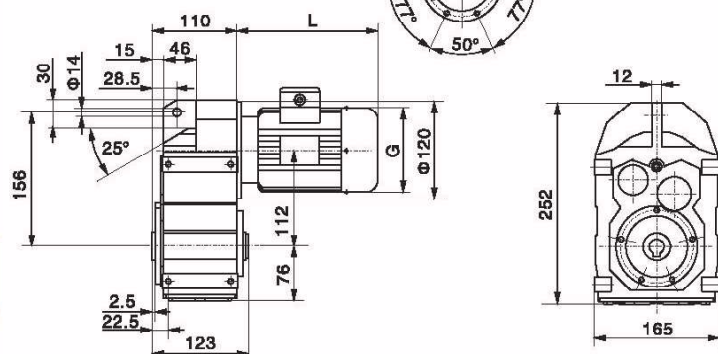
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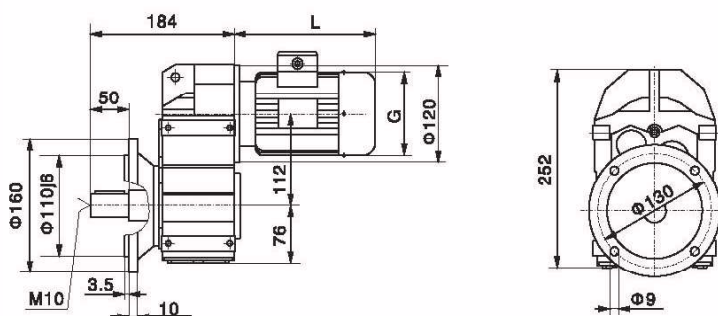
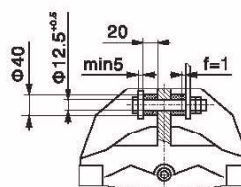


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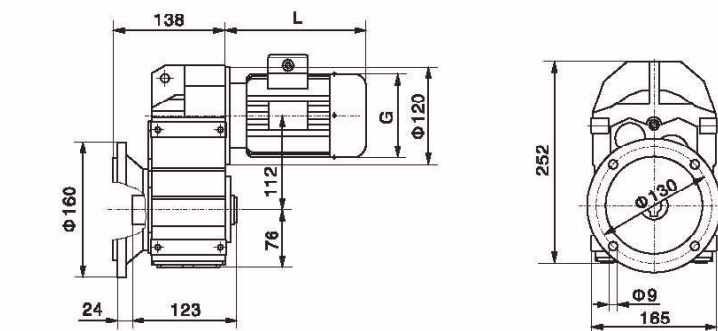


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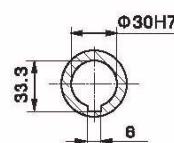
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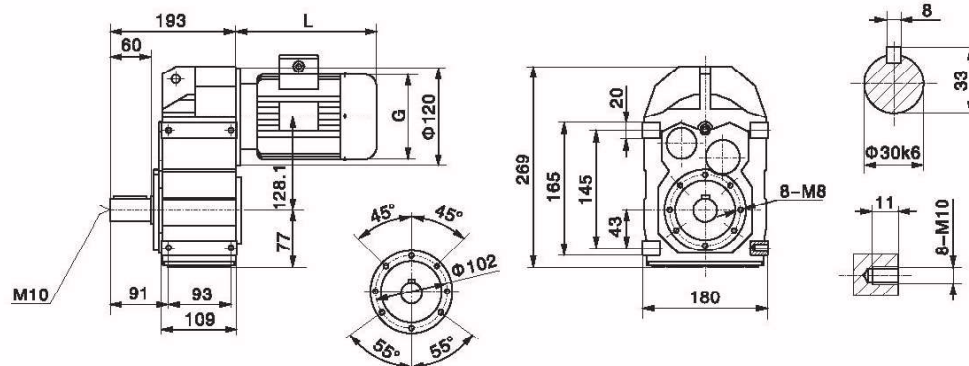
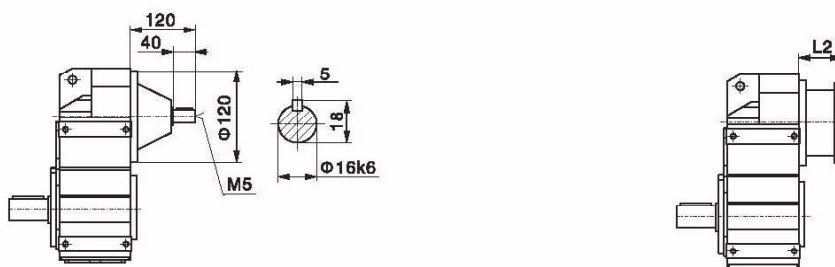
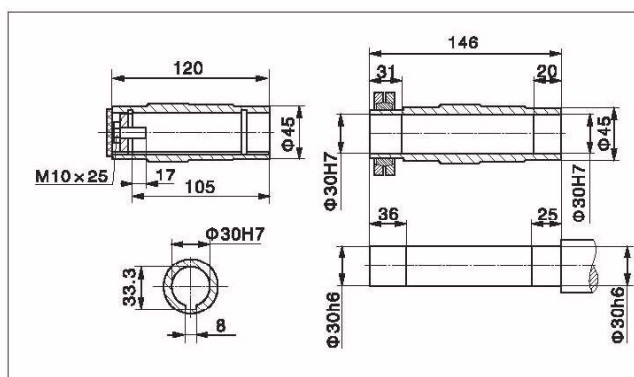
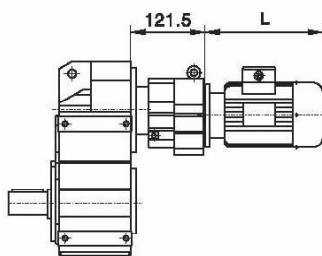
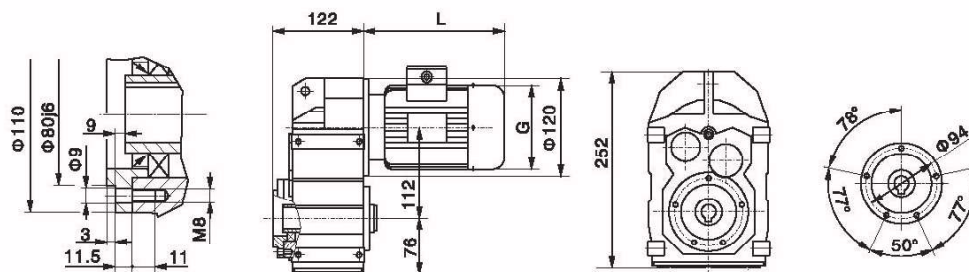


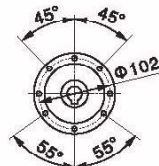
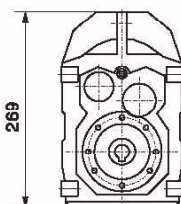
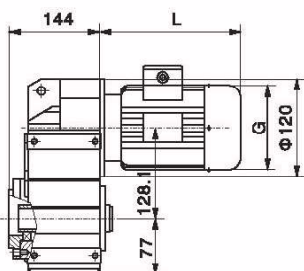
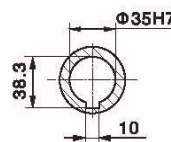
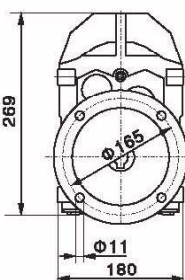
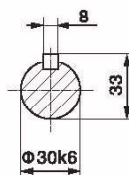
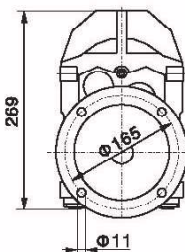
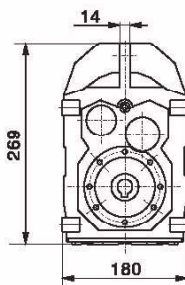
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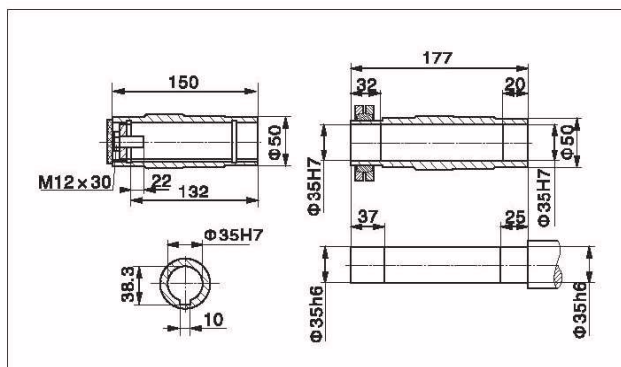
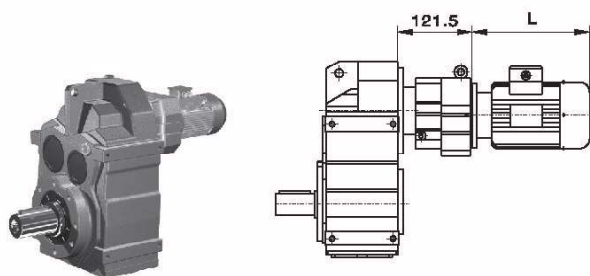




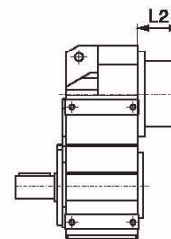
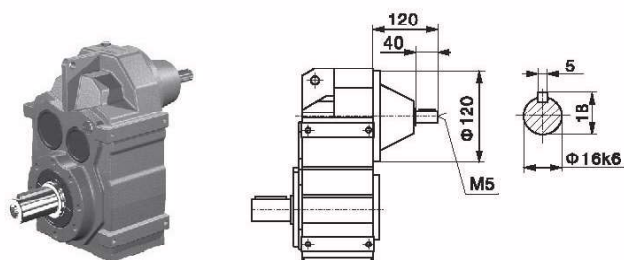




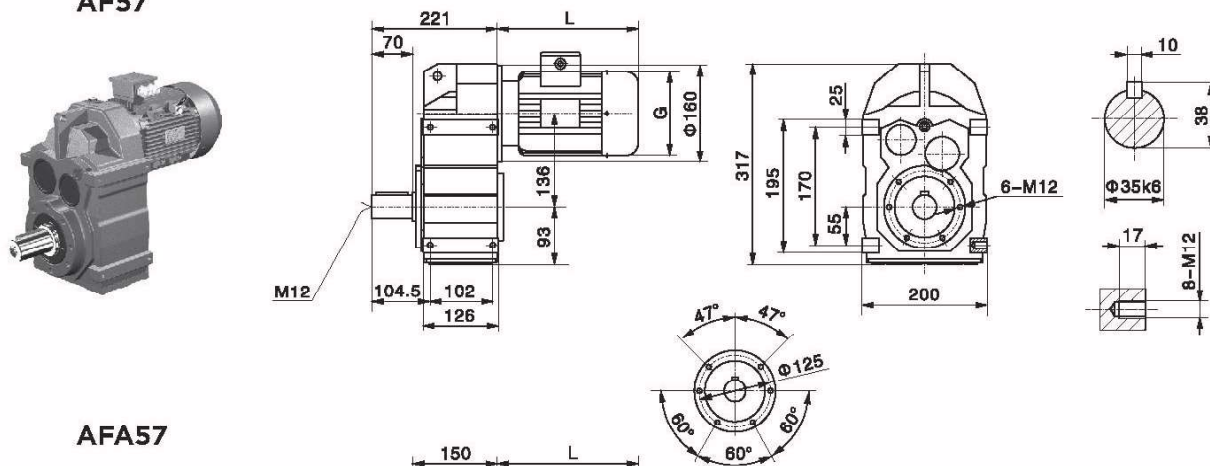
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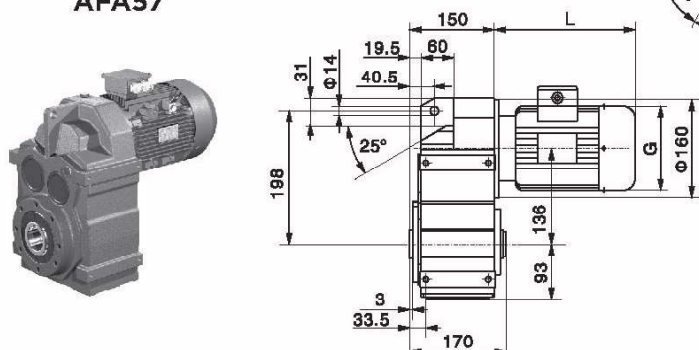
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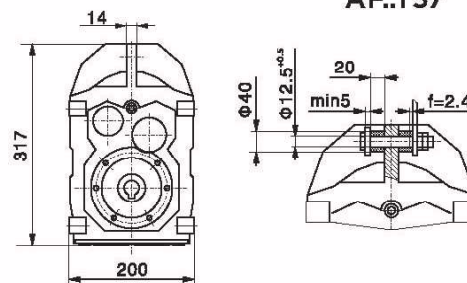
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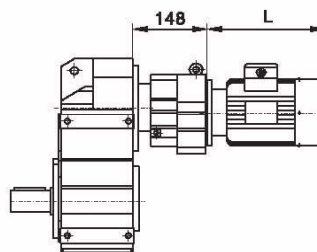
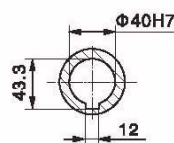
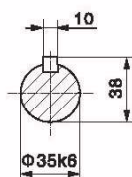


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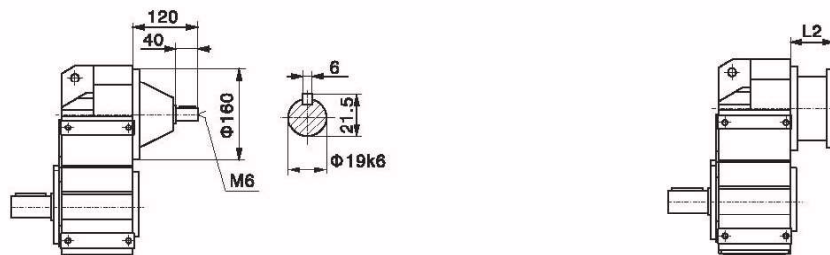
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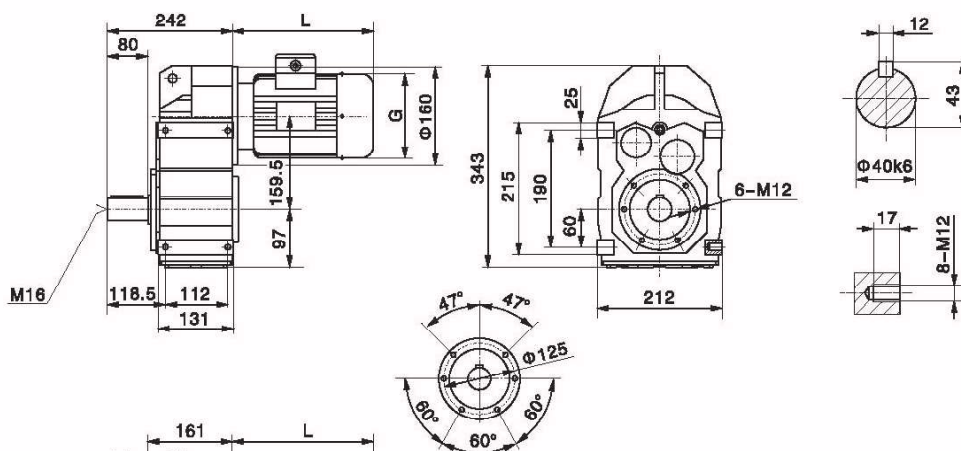




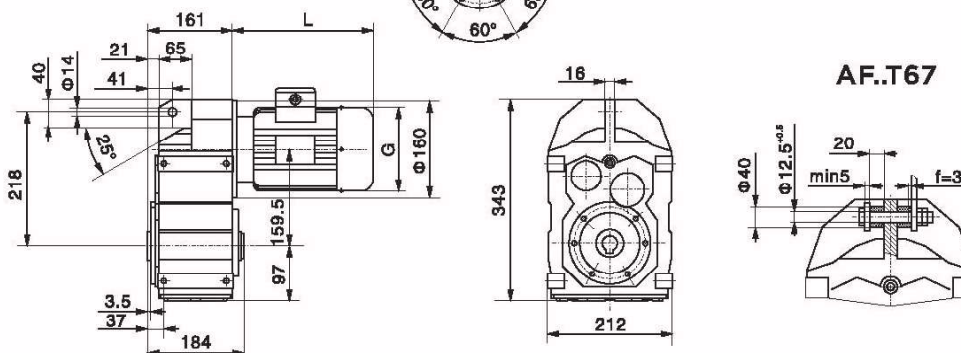
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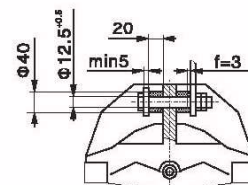
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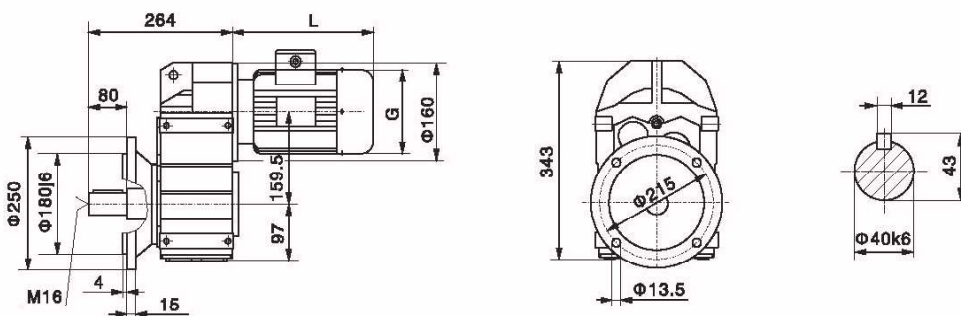
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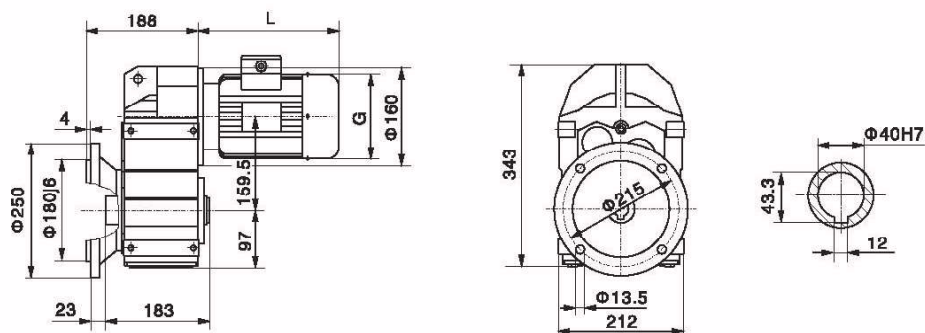


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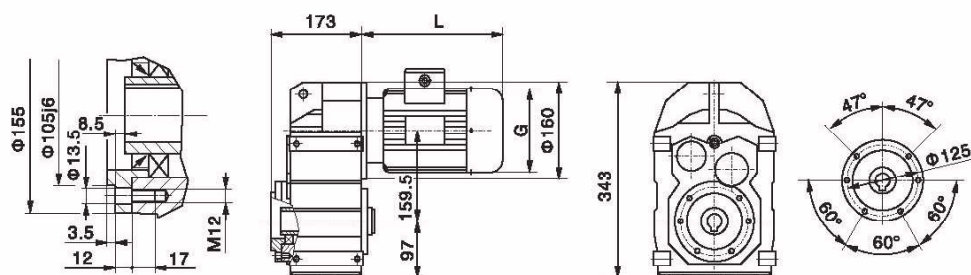




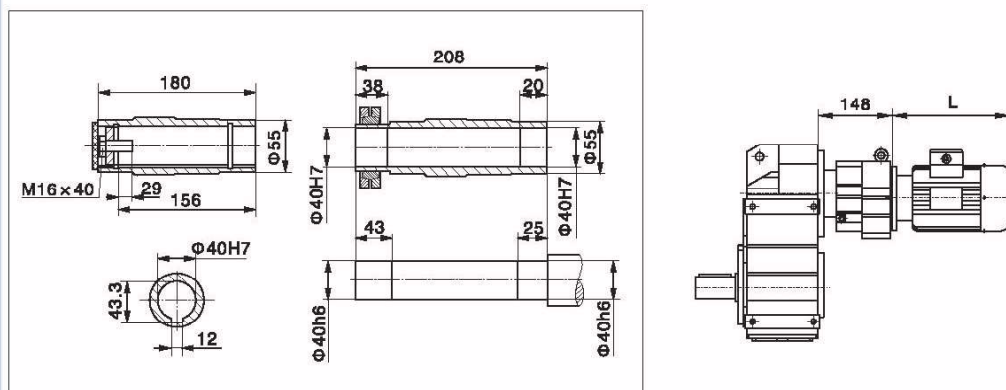
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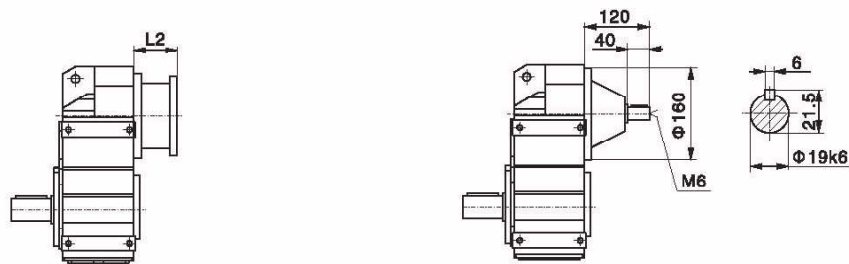
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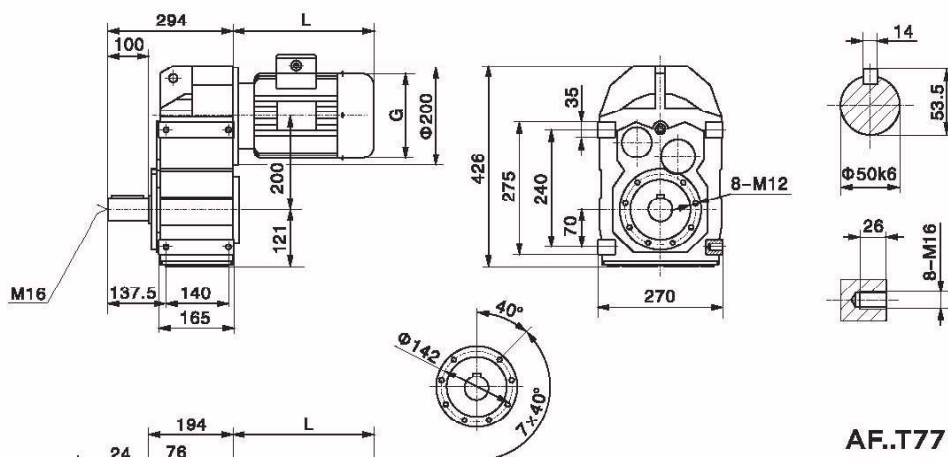


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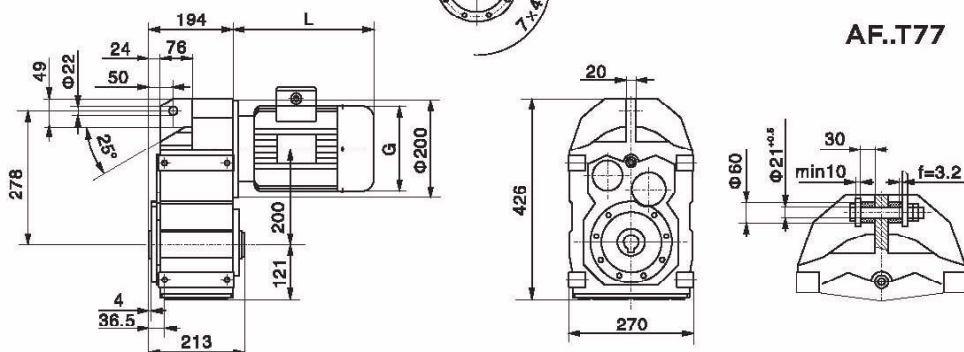




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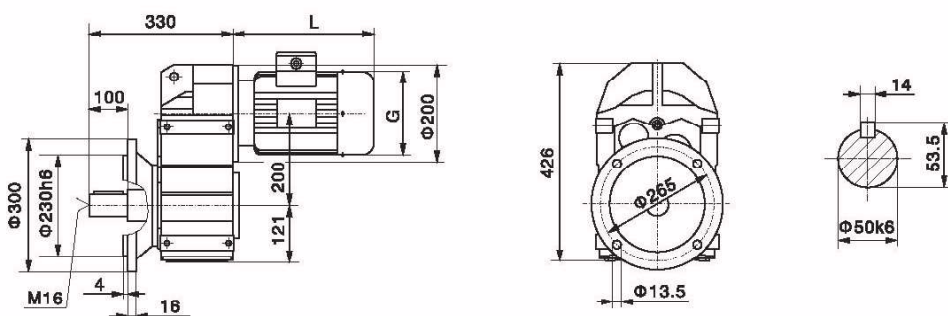


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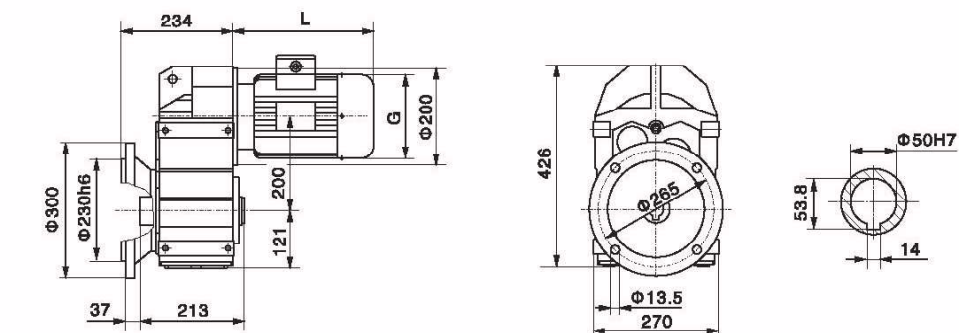


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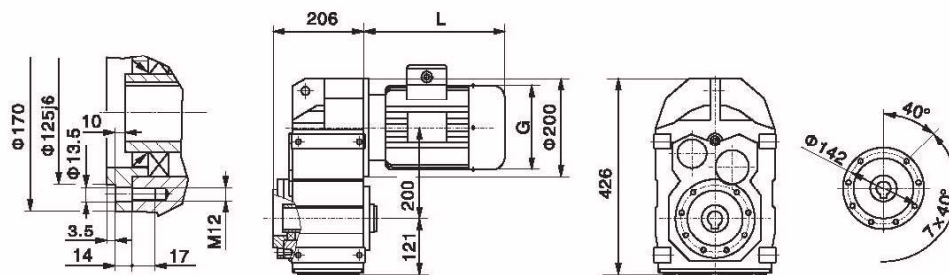


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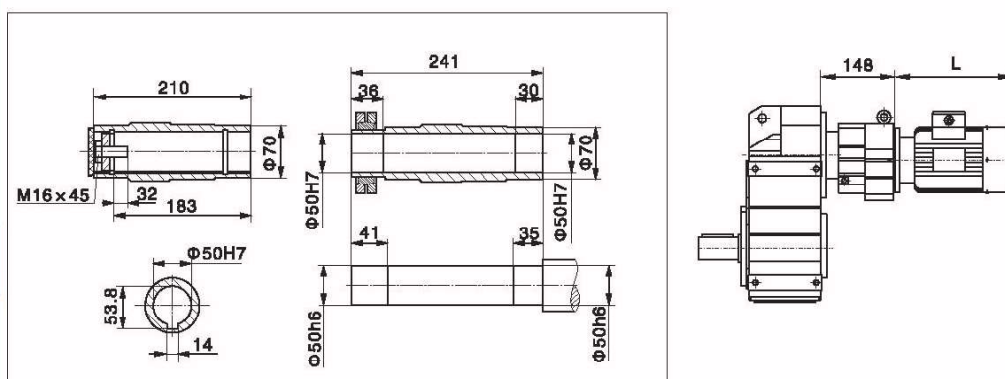




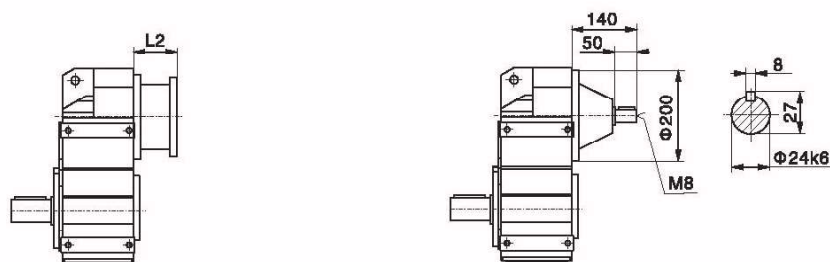
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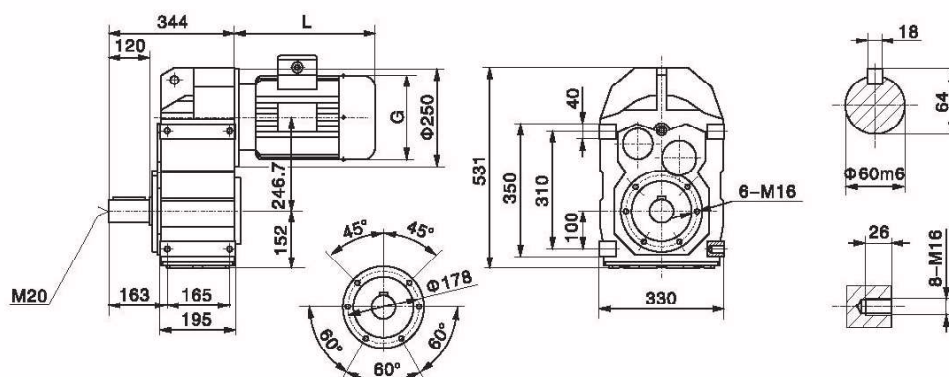
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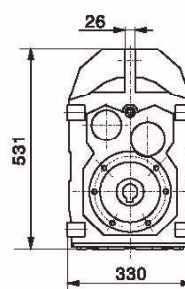
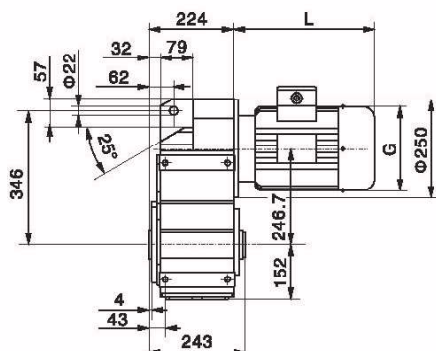


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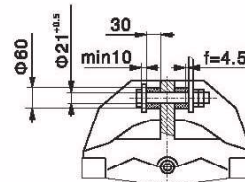




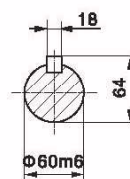
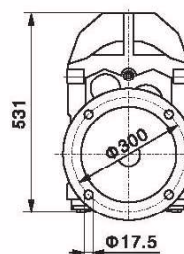
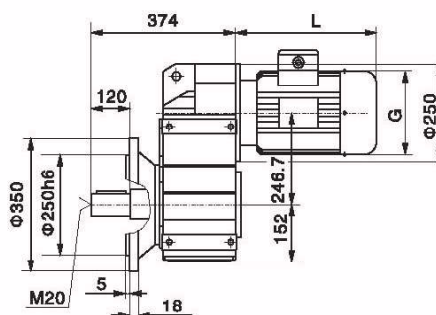
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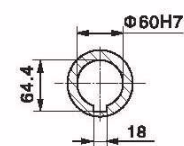
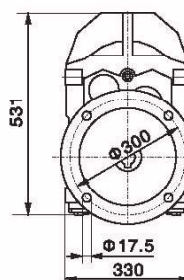
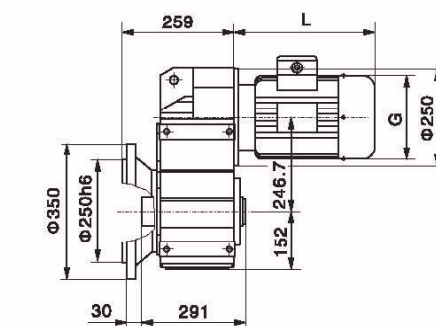
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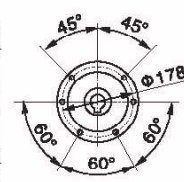
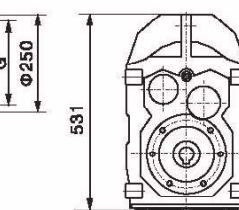
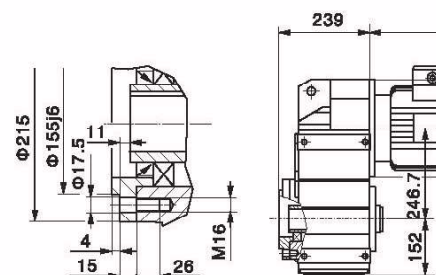
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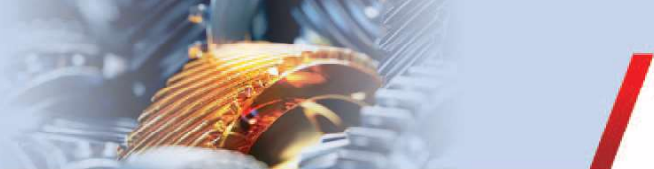


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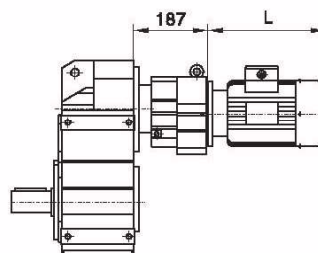
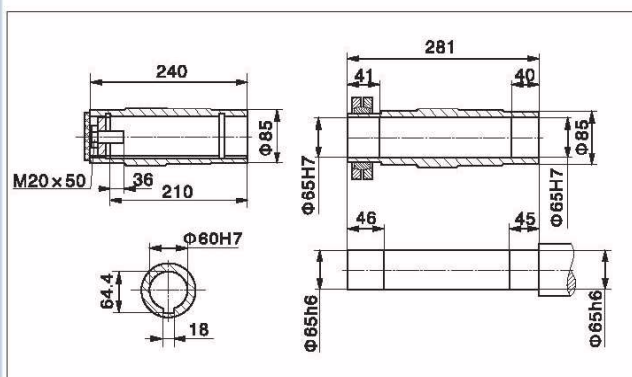


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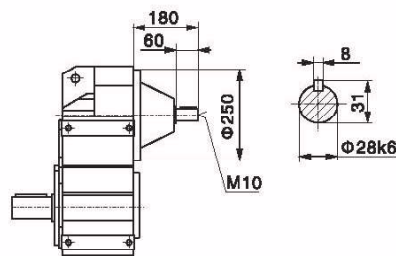
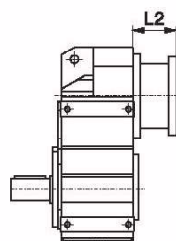




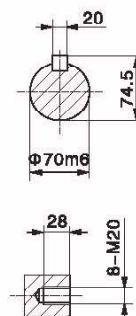
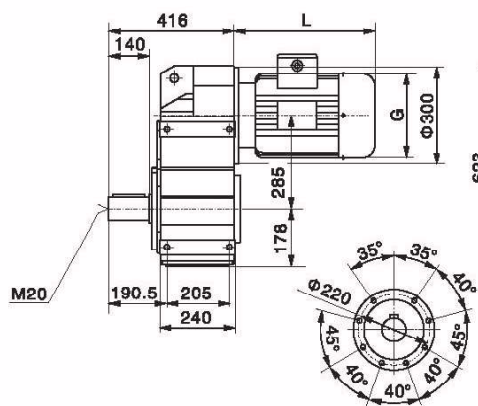
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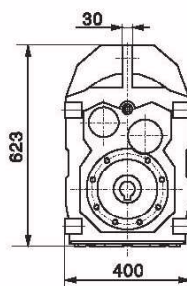
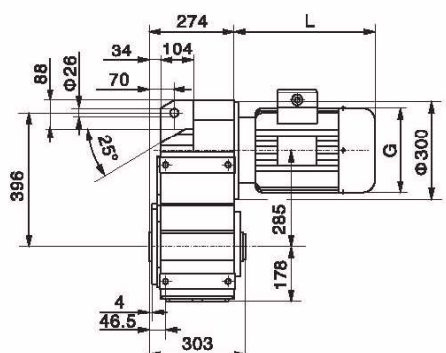
AF..S87



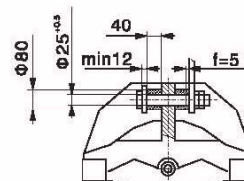
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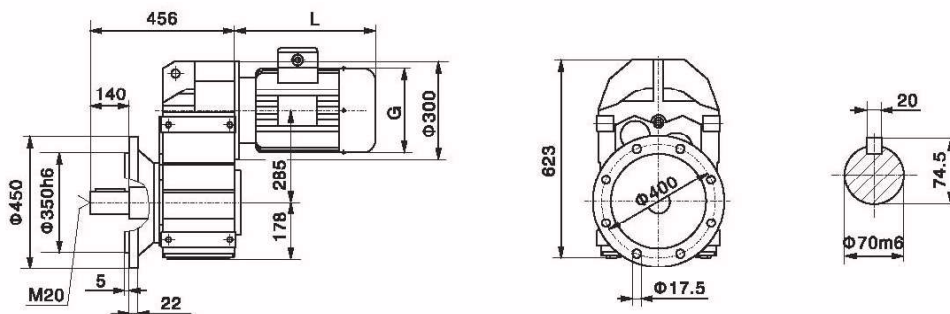


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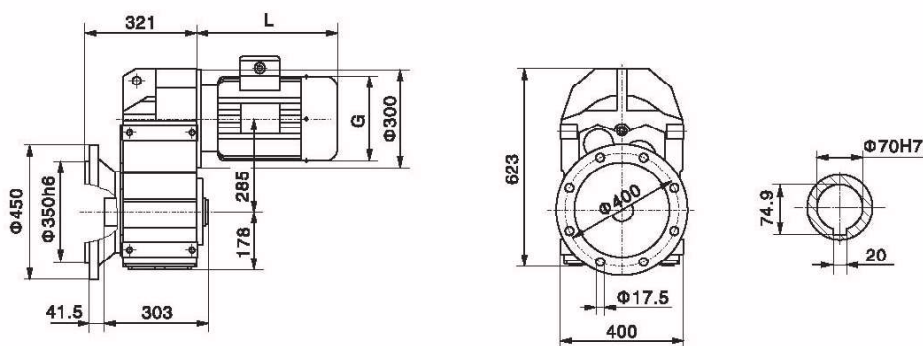




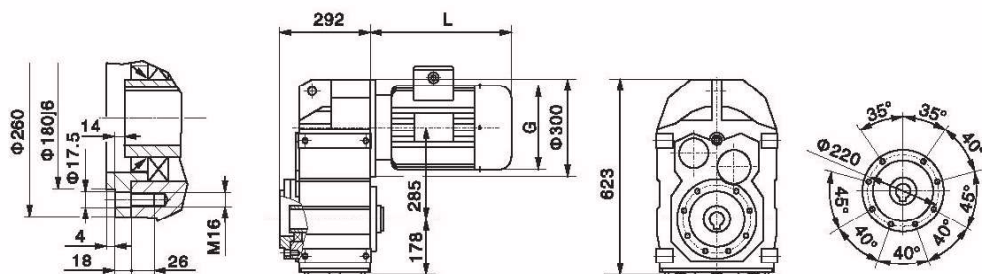
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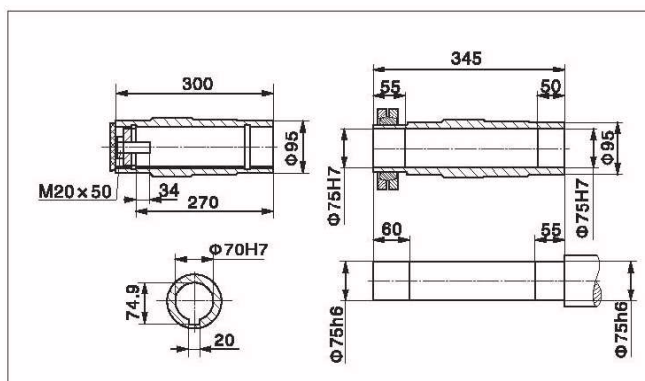
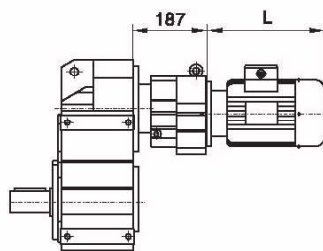
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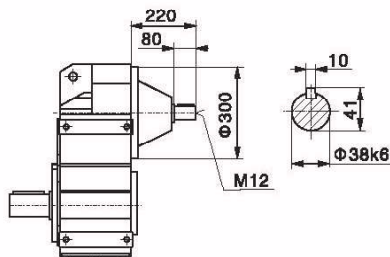
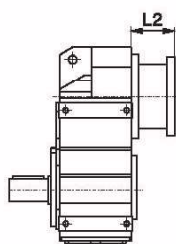


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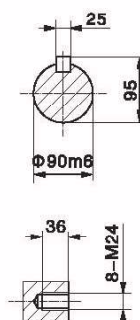
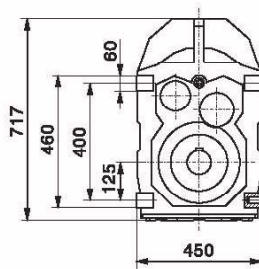
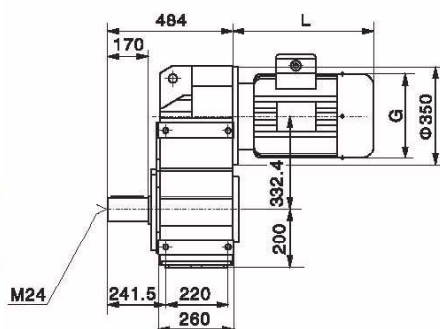




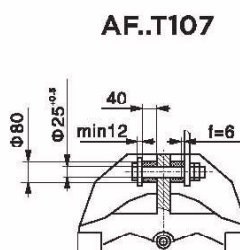
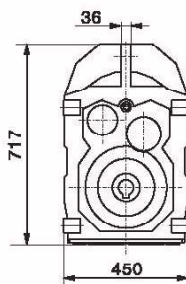
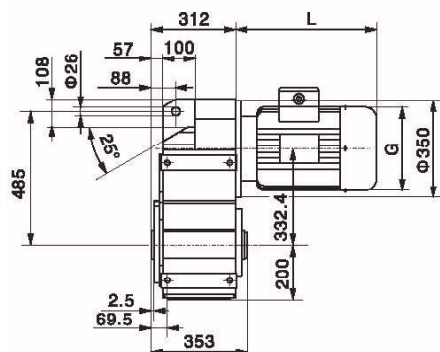
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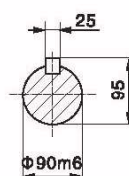
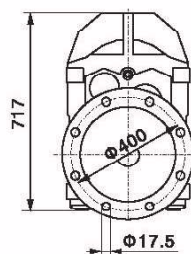
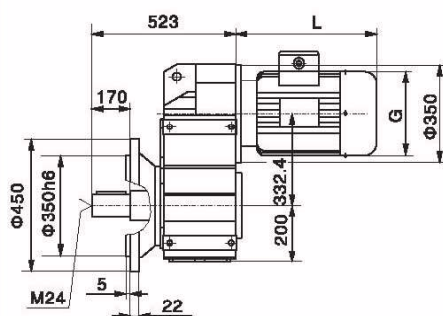
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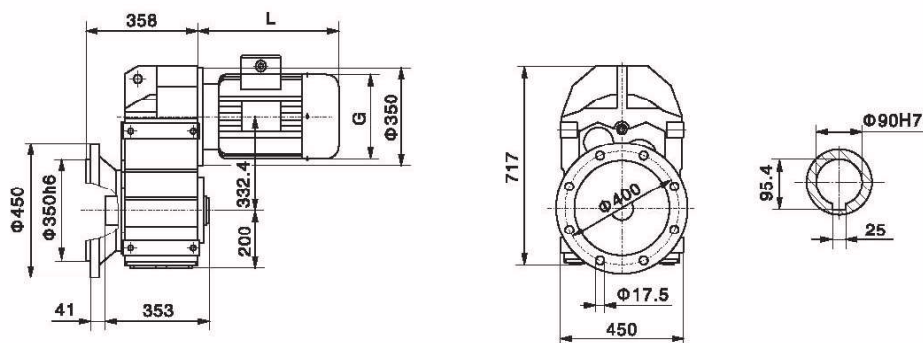
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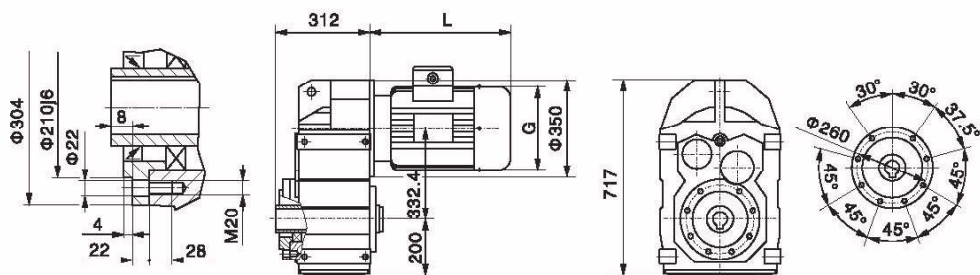
AF



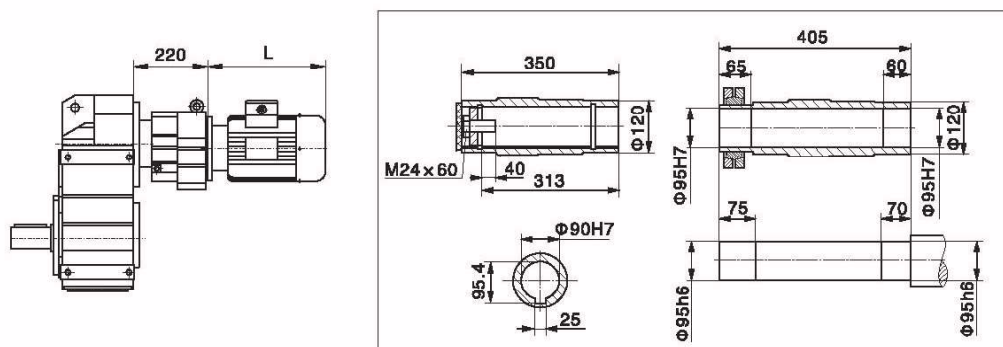
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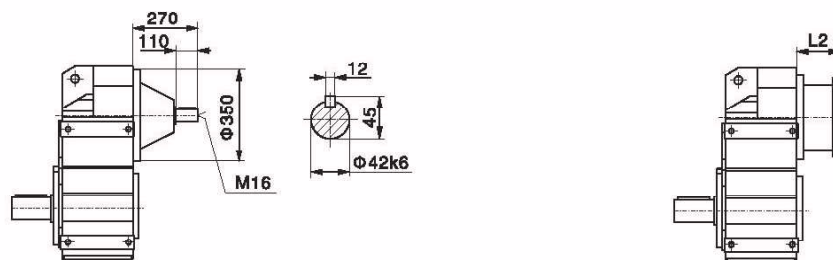
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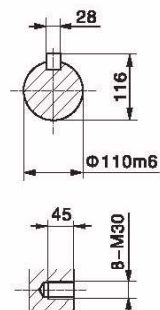
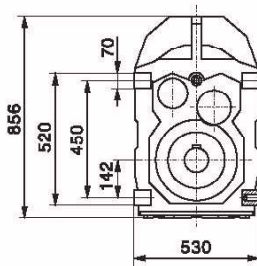
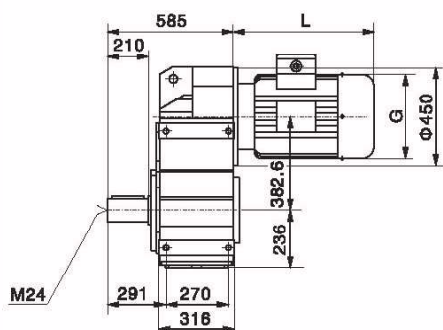


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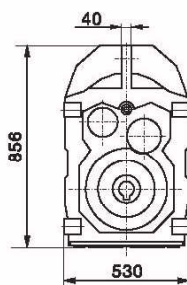
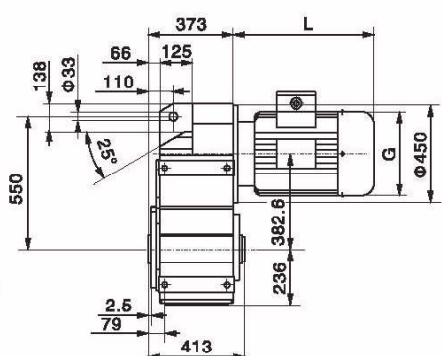


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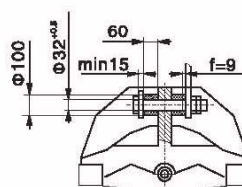




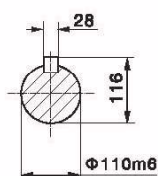
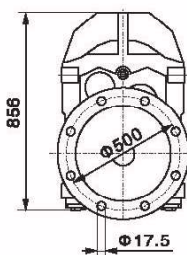
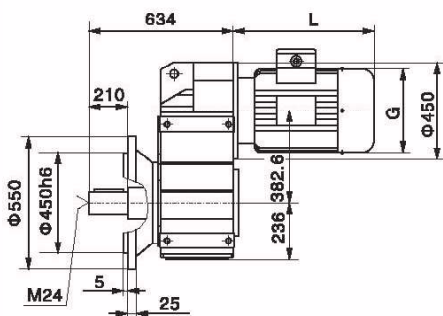
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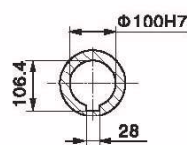
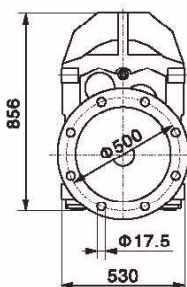
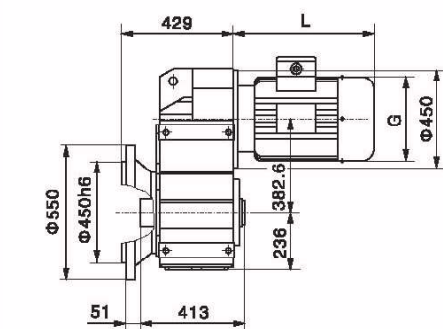
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AFA127



AFF127



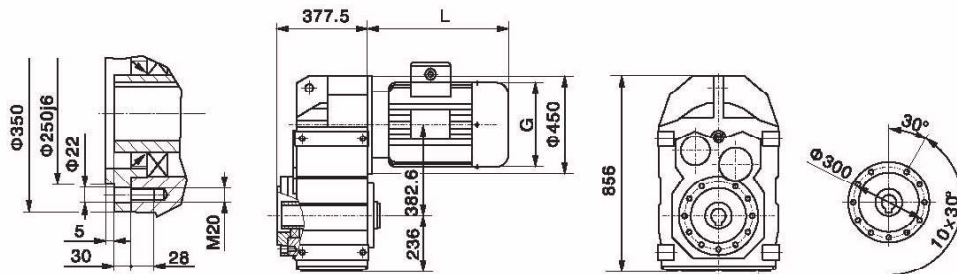
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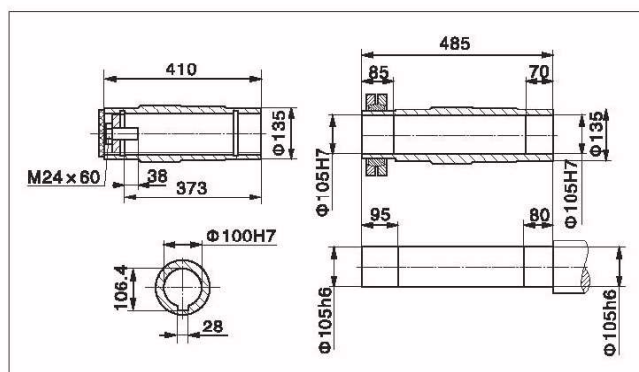
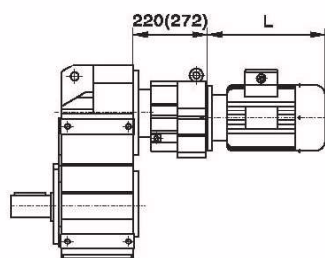
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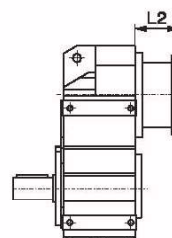
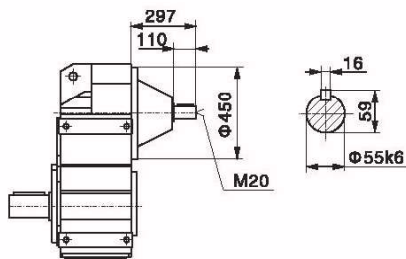
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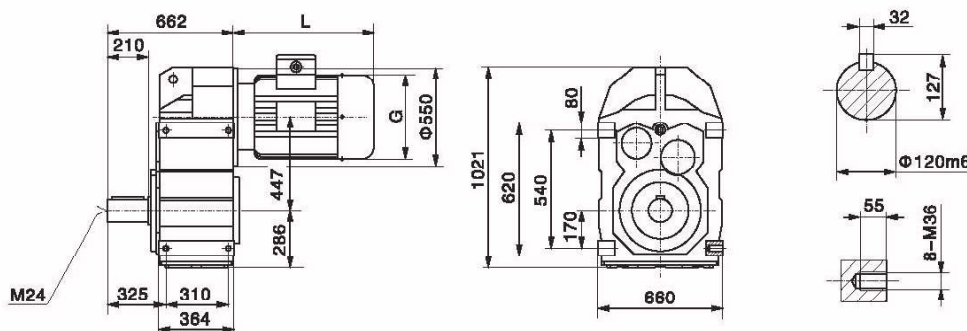
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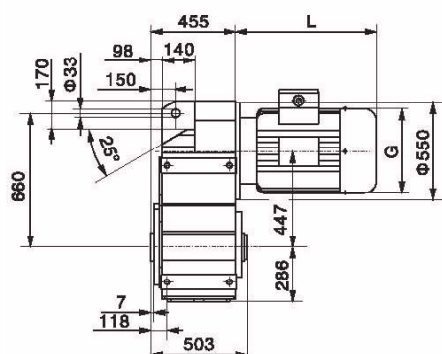


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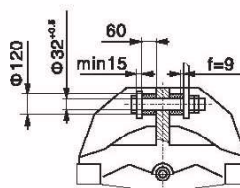


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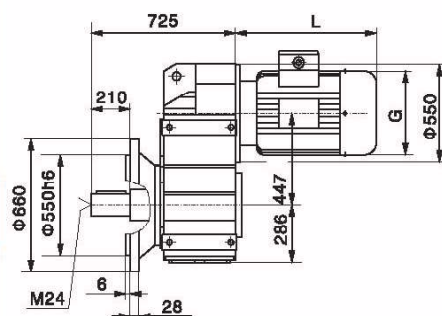




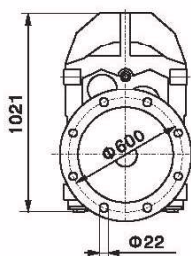
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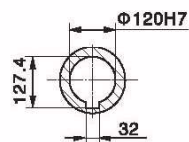
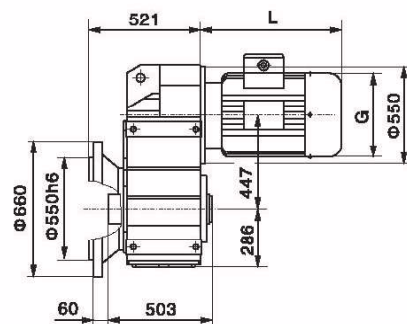
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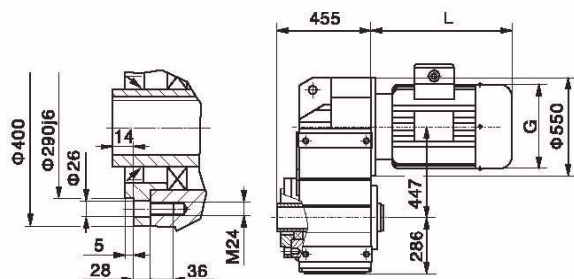
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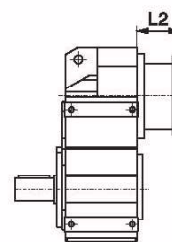
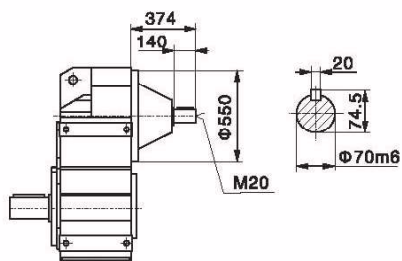
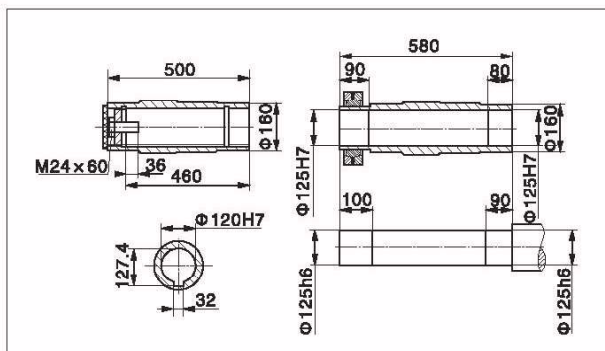
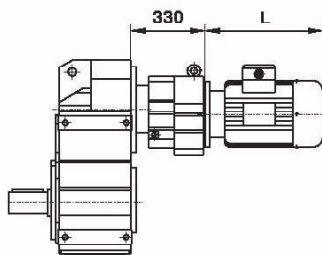


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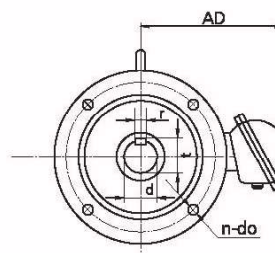
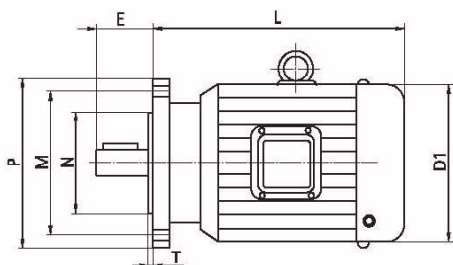
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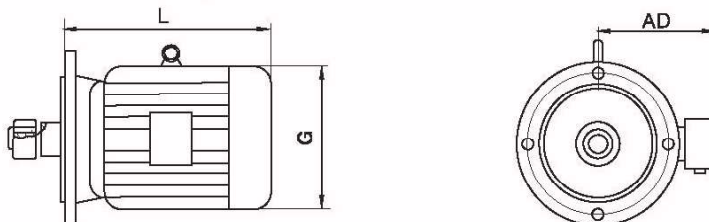
Appearance and Installation Size of Standard Electric Motor (B5)



Motor	Motor power and poles			Size															
Frame	4P	6P	8P	M	N (JS6)	P	T	n-do	d		E		r		t		D1	AD	L
56	0.09 0.12			100	80	120	3	4 × 9	9j6		20		3		11.2		115	90	190
63	0.12 0.18			115	95	140	3	4 × 10	11j6		23		4		12.5		130	70	217
71	0.25 0.37	0.18 0.25		130	110	160	3.5	4 × 10	14j6		30		5		16		145	80	225
80	0.55 0.75	0.37 0.55	0.18 0.25	165	130	200	3.5	4 × 10	19j6		40		6		21.5		165	150	225
90S	1.1	0.75	0.37	165	130	200	3.5	4 × 10	24j6		50		8		27		175	155	270
90L	1.5	1.1	0.55	165	130	200	3.5	4 × 10	24j6		50		8		27		175	155	295
100L1	2.2	1.5	0.75	215	180	250	4	4 × 15	28j6		60		8		31		215	180	325
100L2	3.0		1.1	215	180	250	4	4 × 15	28j6		60		8		31		215	180	325
112M	4.0	2.2	1.5	215	180	250	4	4 × 15	28j6		60		8		31		240	190	345
132S	5.5	3.0	2.2	265	230	300	4	4 × 15	38K6		80		10		41		275	210	390
132M	7.5	4.0 5.5	3.0	265	230	300	4	4 × 15	38K6		80		10		41		275	210	410
160M	11	7.5	4.0 5.5	300	250	350	5	4 × 19	42K6		110		12		46		330	255	505
160L	15	11	7.5	300	250	350	5	4 × 19	42K6		110		12		46		330	255	505
180M	18.5			300	250	350	5	4 × 19	48K6		110		14		51.5		380	280	590
180L	22	15	11	300	250	350	5	4 × 19	48K6		110		14		51.5		380	280	630
200L	30	18.5 22	15	350	300	400	5	4 × 19	55M6		110		16		59		420	305	660
225S	37		18.5	400	350	450	5	4 × 19	60m6		140		18		53		450	345	680
225M	45	30	22	400	350	450	5	8 × 19	55m6	60m6	110	140	16	18	60	65	450	345	705
250M	55	37	30	500	450	550	5	8 × 19	60m6	65m6	140		18	18	65	70	510	370	770
280S	75	45	37	500	450	550	5	8 × 19	65m6	75m6	140		18	20	70	80	580	410	845
280M	90	55	45	500	450	550	5	8 × 19	65m6	75m6	140		18	20	70	80	580	410	895
315S	110	75		600	550	660	6	8 × 24	65m6	80m6	140	170	18	22	70	87	645	530	1020 1130
315M	132	90		600	550	660	6	8 × 24	65m6	80m6	140	170	18	22	70	87	645	530	1050 1160



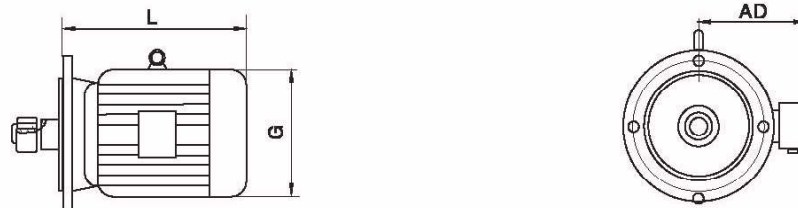
Appearance and Dimension of Direct Input Electric Motor for Helical Gearbox



Motor Baseframe Type	Motor power and poles			Models of Speed Reducers	Size(mm)		
	4P	6P	8P		L	G	AD
AGM71	0.25 0.37	0.18 0.25		AR(51, 61) AR(17, 27, 37, 47, 57, 67)	245	145	80
				AF(37, 47, 57, 87) AK(37, 47, 57, 87)			
				AS(37, 47, 57, 67)	233		
				AR..71, AR77, AF7 , AK77 , AS77			
AGM80	0.55 0.75	0.37 0.55	0.18 0.25	AR(51, 61, 71) AR(17, 27, 37, 47, 57, 67, 77)	278	165	150
				AF(37, 47, 57, 67, 77) AK(37, 47, 57, 67, 77)			
				AS(37, 47, 57, 67, 77)	246		
				AR(81, 91) AR(87, 97)			
AGM90S	1.1	0.75	0.37	AF87 AK87	304	175	155
				AS(87, 97)			
				AR(81, 91) AR(87, 97)	280		
				AF(87, 97) AK(87, 97) AS(87, 97)			
AGM90L	1.5	1.1	0.55	AR(51, 61, 71) AR(27, 37, 47, 57, 67, 77)	328	175	155
				AF(37, 47, 57, 67, 77) AK(37, 47, 57, 67, 77)			
				AS(37, 47, 57, 67, 77)	304		
				AR(81, 91) AR(87, 97)			
AGM100	2.2 3	1.5	0.75 1.1	AF(87, 97) AK(87, 97) AS(87, 97)	340	215	180
				AR27, AR37, AF37, AF47, AK37, AS47, AS57			
				AR(51, 61, 71, 81) AR(47, 57, 67, 77, 87)	350		
				AF(57, 67, 77, 87) AK(47, 57, 67, 77, 87)			
				AS(67, 77, 87)	315		
AR91 , AR97 , AF97 , AK97 , AS97	318						
AGM112	4	2.2	1.5	AR(51, 61, 71, 81) AR(47, 57, 67, 77, 87)	380	240	190
				AF(57, 67, 77, 87) AK(57, 67, 77, 87)			
				AS(67, 77, 87)	334		
AR(91, 101) AR(97, 107) AF(97, 107)							
AK(97, 107) AS97							
AGM132S	5.5	3	2.2	AR(51, 61, 71, 81, 91) AR(47, 57, 67, 77, 87, 97)	425	275	210
				AF(67, 77, 87, 97) AK(67, 77, 87, 97)			
				AS(67, 77, 87, 97)	386		
				AR101, AR107, AF107, AK107			
AR137	388						
AGM132M	7.5	4 5.5	3	AR(51, 61, 71, 81, 91) AR(47, 57, 67, 77, 87, 97)	461	275	210
				AF(67, 77, 87, 97, 107) AK(67, 77, 87, 97)			
				AS(67, 77, 87, 97)	422		
				AR101, AR107, AF107, AK107			
AR137, AR147, AF127, AK127	424						

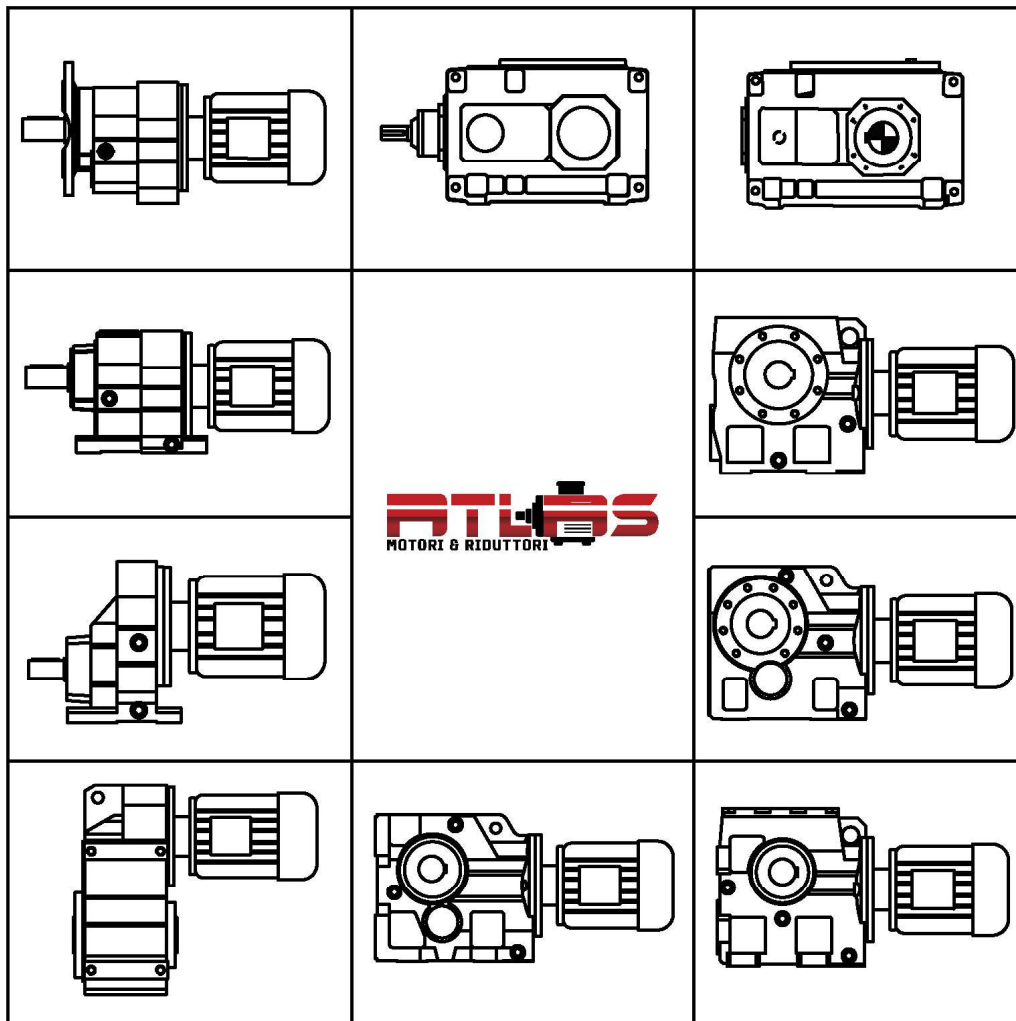


Appearance and Dimension of Direct Input Electric Motor for Helical Gearbox



Motor Baseframe Type	Motor power and poles			Models of Gearbox	Size (mm)		
	4P	6P	8P		L	G	AD
AGM160M	11	7.5	4 5.5	AR(71, 81, 91) AR(77, 87, 97) AF(77, 87, 97) AK(77, 87, 97) AS(77, 87, 97)	524	330	255
				AR101, AR107, AF107, AK107	504		
				AR137	476		
				AR(147, 167) AF(127, 157) AK 127, 157, 167, 187)	567		
AGM160L	15	11	7.5	AR(81, 91) AR(87, 97) AF(87, 97, 107) AK(87, 97) AS(87, 97)	547	330	255
				AR101, AR(107, 137), AF107, AK107	519		
				AR(147, 167) AK(127, 157, 167, 187) AF(127, 157)	602		
AGM180M	18.5			AR81, AR87, AF87, AK87, AS87	583	380	280
				AR(91, 101) AR(97, 107, 137) AF(97, 107) AK(97, 107) AS97	555		
				AR147, AK127, AF127	583		
				AR167, AK(157, 167, 187), AF157	635		
AGM180L	22	15	11	AR81, AR87, AF87, AK87, AS87	616	380	280
				AR(91, 101) AR(97, 107, 137) AF(97, 107) AK(97, 107) AS97	588		
				AR147, AK127, AF127	616		
				AR167, AK(157, 167, 187), AF157	666		
AGM200L	30	18.5 22	15	AR(91, 101) AR(97, 107) AF(97, 107) AK(97, 107)	654	420	305
				AR137, AR147, AK127, AF127	654		
				AR167, AK(157, 167, 187), AF157	642		
AGM225S	37		18.5	AR101, AR107, AR137, AF107, AK107	680	450	345
				AR147, AK127, AF127	674		
				AR167, AK(157, 167, 187), AF157	669		
AGM225M	45	30	22	AR101, AR107, AR137, AF107, AK107	702	450	345
				AR147, AK127, AF127	696		
				AR167, AK(157, 167, 187), AF157	691		
AGM250M	55	37	30	AR137, AR147, AK127, AF127	775	510	370
				AR167, AK(157, 167, 187), AF157	770		
AGM280S	75	45	37	AR(147, 167), AK(127, 157, 167, 187), AF(127, 157)	828	580	410
AGM280M	90	55	45	AR(147, 167), AK(127, 157, 167, 187), AF(127, 157)	879	580	410
AGM315S	110	75	55	AR167, AK(157, 167, 187), AF157	1100	645	530
AGM315M	132	90	75	AR167, AK(157, 167, 187), AF157	1180	645	530
AGM315L1	160	110	90	AR167, AK(157, 167, 187), AF157	1270	645	530
AGM315L2	200	132	110	AR167, AK(157, 167, 187), AF157	1270	645	530

Our **Product**



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