

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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Spare Parts List

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AF Series Parallel Shaft Helical Gearmotor



Spare Parts List

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Table of Motor's dimensions



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AF SERIES PARALLEL SHAFT HELICAL GEAR MOTOR



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 feets processes to install the flat surface.

Working Environment:

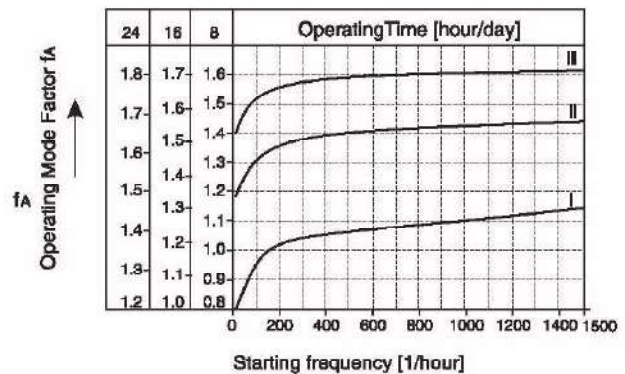
1. Working temperature: -40°C – 50°C (The lubrication should be heated until above 0°C if the machine works Below 0°C .)
2. The working place should be lower than 1,000 meters above sea level.
3. The input rotational speed should not exceed 1,800r/m. The circumferential speed of the gear should not exceed 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 (fa) should meet the following formula: Service factor fb \geq operating mode factor fa

The service factor fb 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

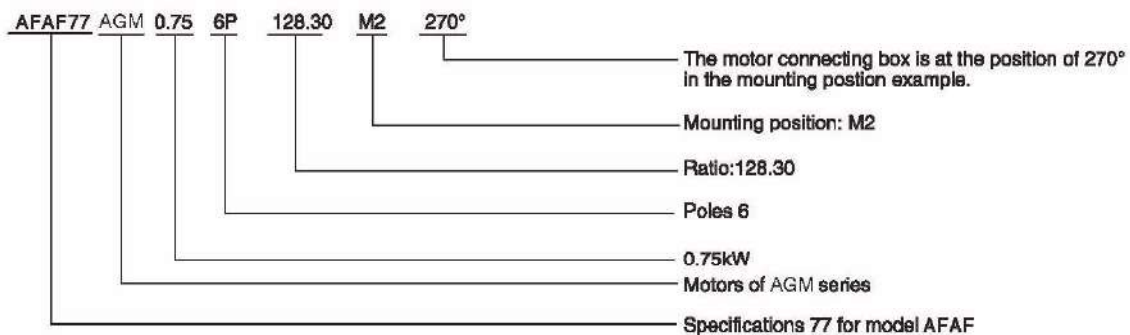
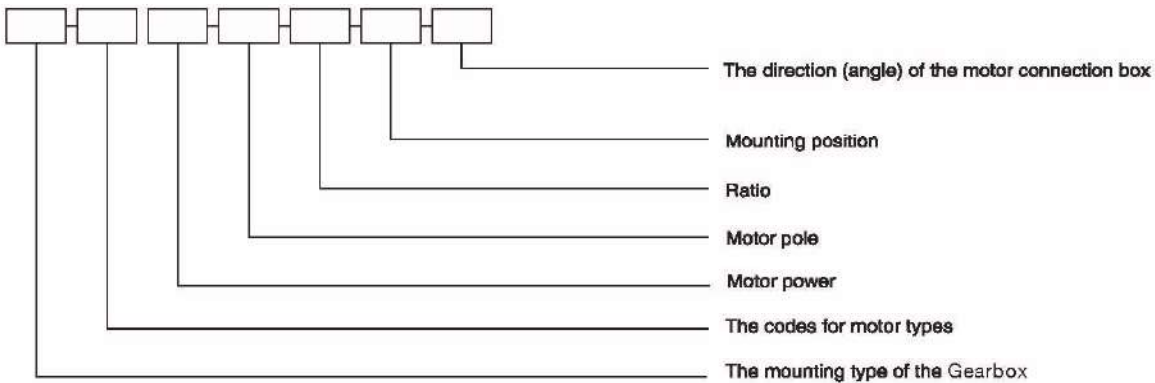
Bevel Gearmotor:

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:





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 Reductor type	Motor frame size													
	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

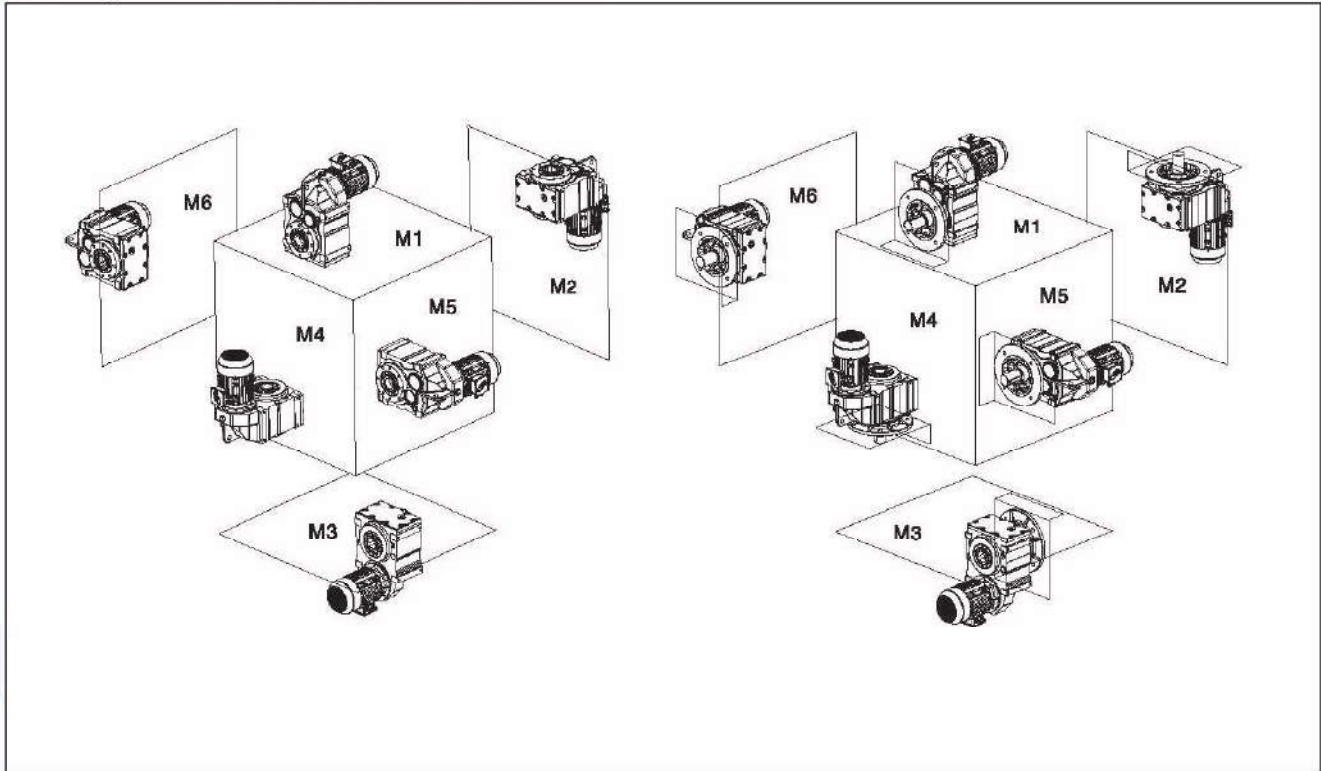
	Breather valve		Oil level plug		Oil drain plug
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Explanation of Parameter Selection List

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

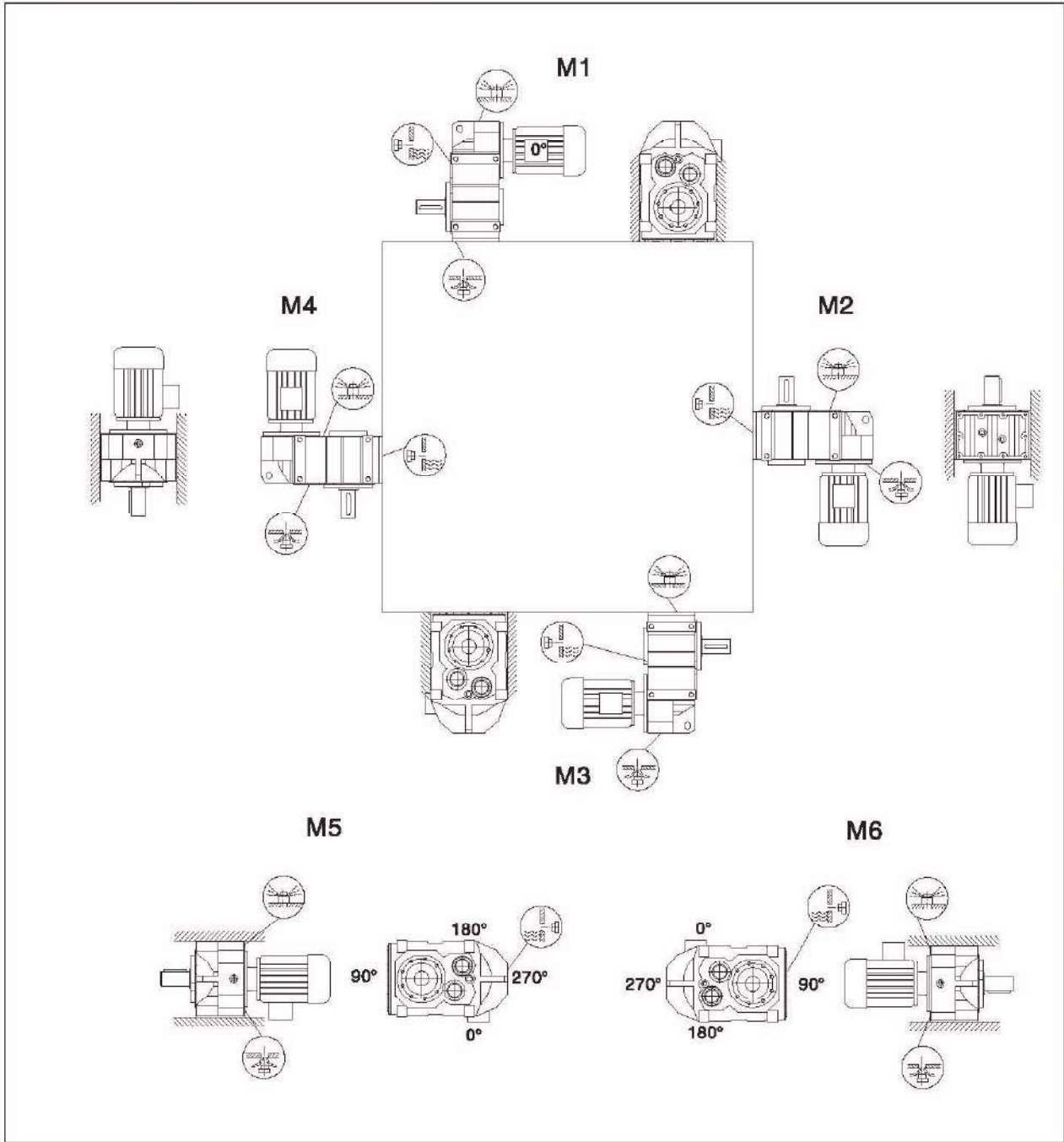
AF SERIES WEIGHT TABLE

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

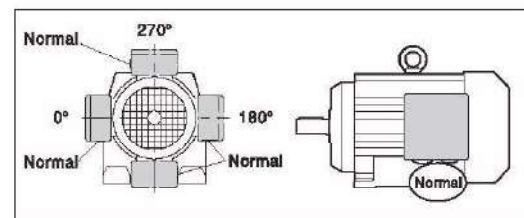
Note: Weight in the table means the weight when oil is not added. When input shaft is furnished, 10% weight should be added; If there is a motor, please add weight according to motor type.



AF/AFAB37-157 Mounting position

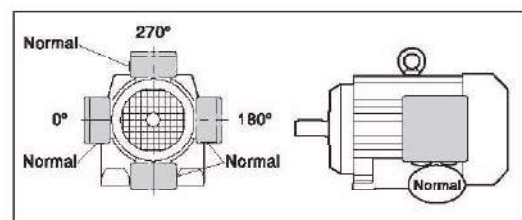
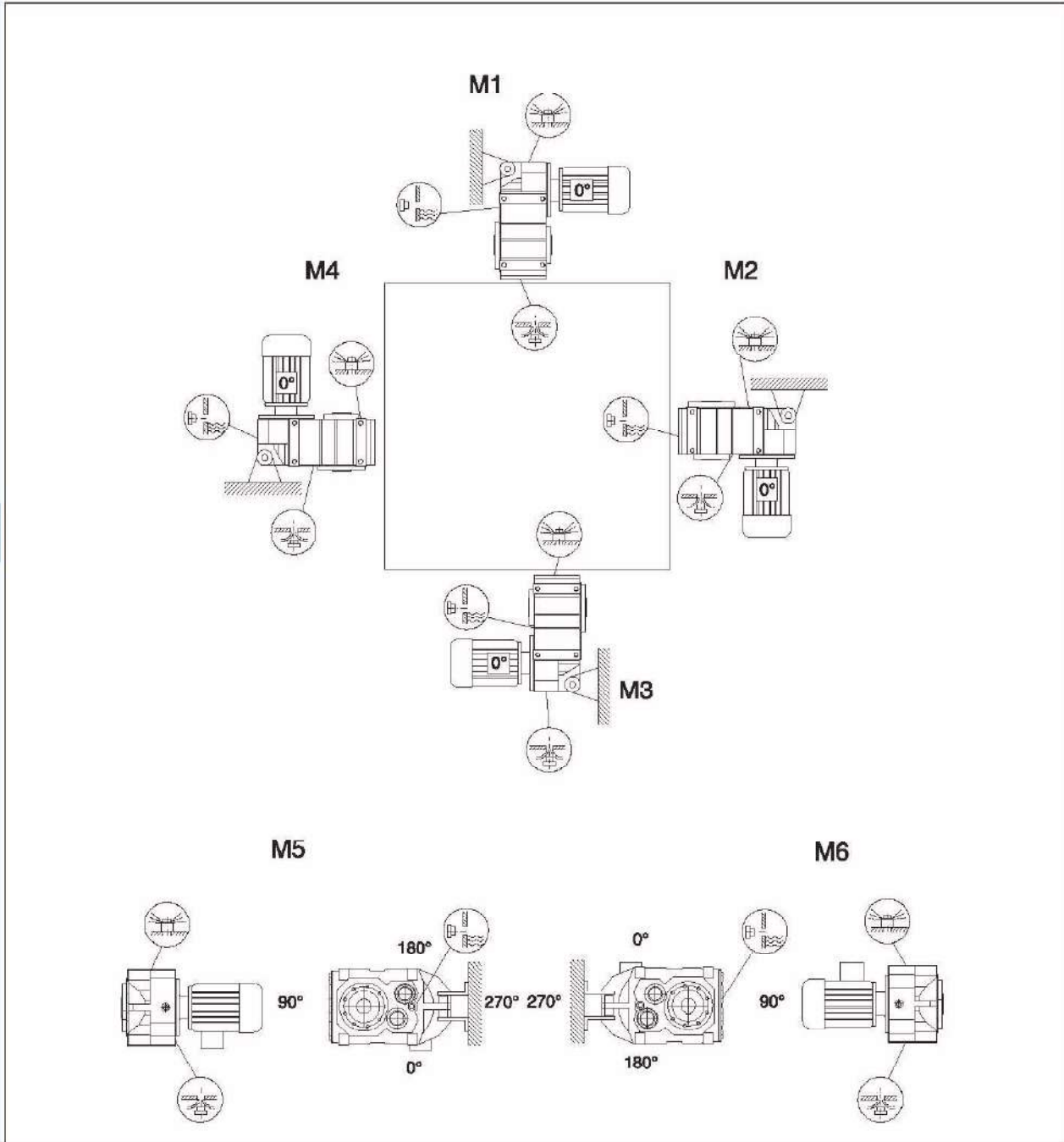


AF





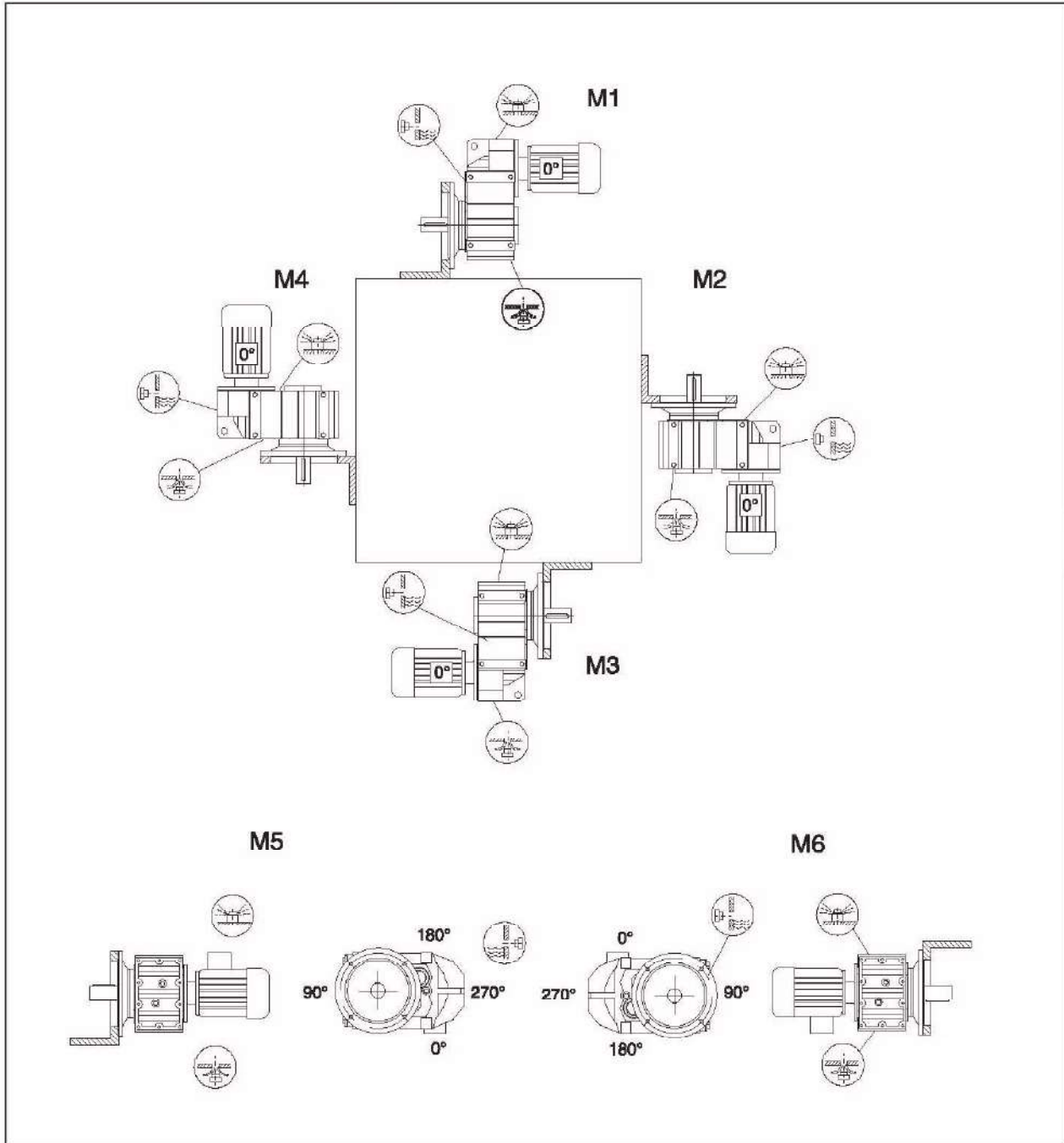
AF/ AFAT37-157 Mounting position



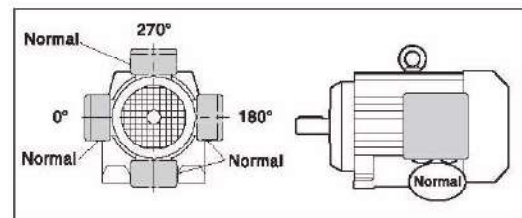
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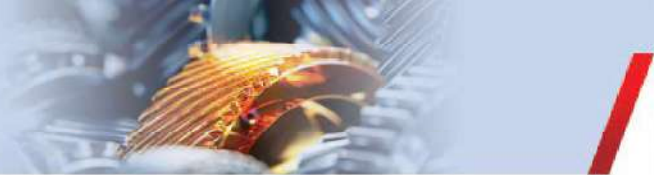


AFF/AFAF/AFAZ 37-157 Mounting position



AF





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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	158.09	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	128.32	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	108.24	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

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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



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

AF

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
4.86	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

AF

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		Eff. (RD)
2 Stages		50HZ		60HZ		
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



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

AF

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	7880	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



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

AF

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

AF

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			2.5	370	558	1.60		
0.07	12600	19048	0.95			2.7	330	506	1.80		
0.08	10800	16656	1.10	AFA 127 AR77	4P	3.0	285	452	2.1	AFA 57AR37	4P
0.09	9870	14722	1.20	AFAF127 AR77		3.2	295	426	2.0	AFAF57AR37	
0.11	7980	12912	1.50	AF 127 AR77		3.6	260	382	2.3	AF 57AR37	
0.12	7090	11656	1.70	AFF 127AR77		4.2	225	330	2.7	AFF 57AR37	
0.14	6300	10191	1.90			4.6	200	298	3.0		
						5.3	177	262	3.4		
0.09	9590	14767	0.80			2.2	425	622	0.95		
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	AFA 107AR77	4P	3.3	280	419	1.45		4P
0.18	4740	7674	1.60	AFAF107AR77		2.6	365	524	1.10	AFA 47AR17	
0.20	4120	6767	1.85	AF 107AR77		2.8	340	489	1.20	AFAF47AR17	
0.23	3530	5954	2.2	AFF 107AR77		3.2	290	427	1.35	AF 47AR17	
0.26	3070	5223	2.5			3.6	260	381	1.55	AFF 47AR17	
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			4.3	210	322	0.95		
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	AFA 97AR57	4P	6.2	149	221	1.35	AFA 37AR17	4P
0.32	2800	4333	1.55	AFAF97AR57		4.2	225	326	0.90	AFAF37AR17	
0.35	2550	3906	1.70	AF 97AR57		4.8	195	285	1.05	AF 37AR17	
0.41	2210	3352	1.95	AFF 97AR57		5.5	170	250	1.20	AFF 37AR17	
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			3.9	290	228.99	2.8		
0.33	2690	4245	1.00			4.6	250	195.39	3.3	AFA 67	4P
0.37	2200	3721	1.35			5.3	220	170.85	3.8	AFAF67	
0.43	2140	3244	1.40			5.6	205	162.31	4.0	AF 67	
0.48	1900	2881	1.60			6.3	181	142.40	4.5	AFF 67	
0.54	1700	2576	1.75	AFA 87AR57							
0.63	1440	2199	2.1	AFAF87AR57							
0.72	1240	1930	2.4	AF 87AR57							
0.81	1120	1709	2.7	AFF 87AR57							
0.92	980	1493	3.0			4.5	255	199.70	2.4		4P
1.1	785	1300	3.8			4.9	235	183.60	2.6		
1.2	710	1148	4.2			5.7	200	157.09	3.0	AFA 57	
						6.6	173	136.16	3.5	AFAF57	
						7.1	162	127.27	3.7	AF 57	
						6.9	166	199.70	3.6	AFF 57	
0.53	1750	2613	0.85			7.5	153	183.60	3.9		
0.60	1520	2284	1.00			8.8	130	157.09	4.6		
0.68	1340	2029	1.10			10	113	136.16	5.3		
0.80	1130	1728	1.35								
0.89	1040	1544	1.45	AFA 77AR37	4P	4.7	245	190.76	1.65		6P
1.0	910	1354	1.65	AFAF77AR37		5.1	225	175.38	1.80		
1.1	810	1200	1.85	AF 77AR37		6.0	191	150.06	2.1	AFA 47	
1.3	710	1053	2.1	AFF 77AR37		6.9	166	130.07	2.4	AFAF47	
1.5	605	910	2.5			7.4	155	121.57	2.6	AF 47	
1.7	501	810	2.9			8.6	134	105.09	3.0	AFF 47	
1.9	445	710	3.4		10	114	89.29	3.5			
					11	102	79.72	3.9			
0.97	920	1429	0.90			7.2	158	190.76	2.5	AFA 47	4P
1.1	830	1271	1.00			7.9	146	175.38	2.8	AFAF47	
1.2	700	1102	1.15			9.2	125	150.06	3.2	AF 47	
1.4	615	970	1.35			11	108	130.07	3.7	AFF 47	
1.6	540	858	1.50	AFA 67AR37							
1.8	475	755	1.75	AFAF67AR37							
2.2	405	641	2.0	AF 67AR37							
2.4	375	572	2.2	AFF 67AR37							
2.7	320	509	2.6			7.0	164	128.51	1.20	AFA 37	6P
3.2	275	437	3.0			7.6	150	117.88	1.35	AFAF37	
						9.0	128	100.36	1.55	AF 37	
						10	110	86.53	1.80	AFF 37	
						11	103	80.65	1.95		
1.4	655	967	0.90	AFA 57AR37	4P						
1.6	585	851	1.05	AFAF57AR37							
1.9	500	738	1.20	AF 57AR37							
2.1	435	646	1.40	AFF 57AR37							



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				
					4.4	325	297	2.5				
					5.1	285	261	2.9				
					5.6	260	238	3.2				
					6.6	215	200	3.8				
0.18KW						0.25KW						
0.10	13500	12912	0.90			2.4	615	558	1.00			
0.11	12100	11656	1.00	AFA 127 AR77	4P	2.8	550	506	1.10			
0.13	10700	10191	1.10	AFAF127 AR77		2.9	485	452	1.25			
0.15	8980	8831	1.35	AF 127 AR77		3.4	415	386	1.45			
0.17	7770	7843	1.55	AFF 127AR77		3.9	360	338	1.65			
0.20	7150	6715	1.70			3.1	485	426	1.25	AFA 57AR37	4P	
0.15	8560	8548	0.90			3.5	430	382	1.40	AFAF57AR37		
0.17	8050	7674	0.95			4.0	370	330	1.60	AF 57AR37		
0.20	7030	6767	1.10	AFA 107AR77	4.4	335	298	1.80	AFF 57AR37			
0.22	6090	5954	1.25	AFAF107AR77	5.0	295	262	2.0				
0.25	5310	5223	1.45	AF 107AR77	5.8	250	226	2.4				
0.26	4860	4567	1.60	AFF 107AR77	6.6	215	200	2.8				
0.37	3660	3521	2.1									
0.43	2170	3037	2.4			3.6	400	370	1.00			
0.48	2880	3758	2.7			4.1	365	324	1.10			
0.56	2470	2369	3.1			4.6	315	288	1.25			
0.64	2160	2068	3.6			5.3	270	249	1.50			
						4.0	375	334	1.05	AFA 47AR17	4P	
0.30	4660	4333	0.90			4.5	330	295	1.20	AFAF47AR17		
0.34	4260	3906	1.00			5.2	280	253	1.45	AF 47AR17		
0.39	3670	3352	1.15			6.1	245	217	1.60	AFF 47AR17		
0.45	3100	2907	1.40			7.0	215	190	1.85			
0.52	2790	2553	1.55	AFA 97AR67	4P	7.4	200	178	2.0			
0.59	2450	2245	1.75	AFAF97AR57		7.1	210	186	0.95	AFA 37AR17		4P
0.67	2130	1970	2.0	AF 97AR67		7.9	188	167	1.05	AFAF37AR17		
0.77	1890	1722	2.3	AFF 97AR67		9.1	166	145	1.20	AF 37AR17		
0.86	1670	1527	2.6			10	146	129	1.35	AFF 37AR17		
0.89	1380	1327	3.1									
1.1	1280	1171	3.3									

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		
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	AFA 37	4P
3.8	450	228.99	1.80	AFA 67	196	8.8	6.74	16	AFAF37		
4.4	385	195.39	2.1	AFAF67	218	7.9	6.05	17	AF 37		
5.1	340	170.85	2.4	AF 67	253	6.8	5.21	18	AFF 37		
				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	4P
7.7	225	170.85	3.7	AF 67		0.17	11500	7643	1.05	AFAF127AR77	
				AFF 67	0.19	10400	8715	1.15	AF 127AR77		
					0.22	9190	5925	1.30	AFF 127AR77		
4.4	395	199.70	1.50		6P	0.25	7860	5153	1.55		
4.7	365	183.60	1.65	AFA 57		0.29	6850	4533	1.75		
5.5	310	157.09	1.95	AFAF57		0.22	9000	5954	0.85		
6.4	270	136.16	2.2	AF 57		0.25	7860	5223	1.00		
6.8	250	127.27	2.4	AFF 57		0.28	7090	4567	1.10		
7.9	215	110.01	2.8		0.37	5370	3521	1.45	AFA 107AR77	4P	
6.6	260	199.70	2.3	AFA 57	0.43	4680	3037	1.65	AFAF107AR77		
7.2	240	183.60	2.5	AFAF57	0.47	4240	2756	1.80	AF 107AR77		
8.4	205	157.09	2.9	AF 57	0.55	3650	2369	2.1	AFF 107AR77		
9.7	177	136.16	3.4	AFF 57	0.63	3180	2068	2.4			
10	166	127.27	3.6		0.81	2440	1597	3.2			
4.6	375	190.79	1.05	AFA 47	6P	0.93	2110	1401	3.6		
5.0	345	175.38	1.16	AFAF47		0.45	4530	2907	0.95		
5.8	295	150.06	1.36	AF 47		0.51	4050	2553	1.05		
6.7	255	130.07	1.55	AFF 47		0.58	3560	2245	1.20	AFA 97AR57	4P
7.2	240	121.57	1.65			0.66	3100	1970	1.40	AFAF97AR57	
6.9	250	190.76	1.60	AFA 47	0.75	2740	1722	1.55	AF 97AR57		
7.5	230	175.38	1.75	AFAF47	0.85	2430	1527	1.75	AFF 97AR57		
8.8	195	150.06	2.0	AF 47	0.98	2040	1327	2.1			
10	169	130.07	2.4	AFF 47	1.1	1860	1171	2.3			
11	158	121.57	2.5		1.3	1630	1022	2.6			
7.4	235	117.88	0.85	AFA 37	6P	0.67	3040	1930	1.00		
8.7	198	100.36	1.00	AFAF37		0.76	2710	1709	1.10		
10	171	86.53	1.15	AF 37		0.87	2380	1493	1.25	AFA 87AR57	4P
11	159	80.65	1.25	AFF 37		1.0	1990	1300	1.50	AFAF87AR57	
12	139	70.50	1.45			1.1	1780	1148	1.70	AF 87AR57	
						1.3	1550	1010	1.95	AFF 87AR57	
					1.5	1370	887	2.2			
					1.7	1200	780	2.5			
10	167	128.51	1.20		4P	1.9	1020	674	2.9		
11	154	117.88	1.30			1.2	1690	1053	0.90		
13	131	100.36	1.55			1.4	1450	910	1.05		
15	113	86.53	1.75			1.8	1280	810	1.20	AFA 77AR37	4P
16	105	80.65	1.90			1.8	1110	710	1.35	AFAF77AR37	
19	92	70.50	2.2			2.1	970	615	1.55	AF 77AR37	
20	86	66.09	2.3			2.4	850	538	1.75	AFF 77AR37	
23	76	58.32	2.6			2.7	760	480	2.0		
24	71	54.54	2.8			3.2	645	413	2.3		
26	67	51.70	3.0			2.0	1000	641	0.80		
28	61	47.02	3.3	AFA 37		2.3	910	572	0.90		
30	57	43.83	3.5	AFAF37		2.6	795	509	1.05		
34	50	38.31	4.0	AF 37		3.0	685	437	1.20	AFA 67AR37	4P
37	47	35.91	4.3	AFF 37		2.6	810	500	1.00	AFAF67AR37	
42	41	31.69	4.8			2.9	740	454	1.10	AF 67AR37	
47	37	28.09	5.5			3.3	635	392	1.30	AFF 67AR37	
55	31	23.88	6.4			3.9	535	333	1.55		
56	31	23.63	6.5		4.4	475	297	1.70			
64	27	20.57	7.5		5.0	420	261	1.95			
69	25	19.27	8.0		5.5	375	238	2.2			
78	22	17.03	9.0								
83	21	15.81	9.7								
92	19	14.33	11								

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	
0.25KW						0.25KW						
3.4	605	386	1.00			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	AFA 57AR37	4P					AFF 47		
3.9	535	330	1.10	AFAF57AR37		10	235	128.51	0.85			
4.4	485	298	1.25	AF 57AR37		11	215	117.88	0.90			
5.0	425	262	1.40	AFF 57AR37		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			
5.2	395	249	1.00			22	107	58.32	1.85		4P	
6.0	350	218	1.15			24	100	54.54	2.0			
6.7	305	193	1.30			25	95	51.70	2.1			
7.4	280	175	1.45			28	86	47.02	2.3			
5.1	405	253	1.00	AFA 47AR17	4P	28	86	47.02	2.3			
6.0	355	217	1.10	AFAF47AR17		30	81	43.83	2.5			
6.8	310	190	1.30	AF 47AR17		34	70	38.31	2.8			
7.3	290	178	1.40	AFF 47AR17		36	66	35.91	3.0			
8.7	240	149	1.65			41	58	31.69	3.4			
9.9	210	131	1.90			46	52	28.09	3.9			
						54	44	23.86	4.6	AFA 37		
						55	43	23.63	4.6	AFAF37		
8.9	240	145	0.85	AFA 37AR17	4P	63	38	20.57	5.3	AF 37		
10	210	129	0.95	AFAF37AR17		67	35	19.27	5.7	AFF 37		
11	193	118	1.05	AF 37AR17		76	31	17.03	6.4			
13	160	98	1.25	AFF 37AR17		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			
						126	19	10.42	9.7			
3.1	765	281.71	1.95	AFA 77	6P	145	17	8.97	11			
3.3	715	262.93	2.1	AFAF77		175	14	7.44	11			
3.9	615	225.79	2.5	AF 77		193	12	6.74	11			
4.4	540	198.31	2.8	AFF 77		215	11	6.05	12			
4.7	510	188.40	2.9			249	9.6	5.21	13			
3.8	620	228.99	1.30	AFA 67	6P	265	9.0	4.90	13			
4.5	530	195.39	1.55	AFAF67		308	7.7	4.22	14			
5.2	465	170.85	1.75	AF 67								
5.4	440	162.31	1.85	AFF 67								
6.2	385	142.40	2.1									
5.7	420	228.99	1.95	AFA 67	4P	0.37KW						
6.7	360	195.39	2.3	AFAF67		0.21	14900	6715	0.80			
7.6	315	170.85	2.6	AF 67		0.23	13100	5925	0.90	AFA 127AR77	4P	
8.0	300	162.31	2.8	AFF 67		0.27	11300	5153	1.05	AFAF127AR77		
9.1	260	142.40	3.1			0.30	9850	4533	1.20	AF 127AR77		
					0.35	8590	3926	1.40	AFF 127AR77			
					0.40	7510	3454	1.60				
4.4	540	199.70	1.10			0.46	6570	3031	1.85			
4.8	500	183.60	1.20	AFA 57	6P	0.45	6720	3037	1.15	AFA 107AR77	4P	
5.6	425	157.09	1.40	AFAF57		0.50	6090	2756	1.25	AFAF107AR77		
6.5	370	136.16	1.60	AF 57		0.58	5240	2369	1.45	AF 107AR77		
6.9	345	127.27	1.75	AFF 57		0.67	4570	2068	1.70	AFF 107AR77		
8.0	300	110.01	2.0			0.86	3510	1597	2.2			
6.5	365	199.70	1.65	AFA 57	4P	0.61	5070	2245	0.85		4P	
7.1	335	183.60	1.80	AFAF57		0.70	4430	1970	0.95			
8.3	290	157.09	2.1	AF 57		0.80	3900	1722	1.10	AFA 97AR57		
9.6	250	136.16	2.4	AFF 57		0.90	3460	1527	1.25	AFAF97AR57		
10	235	127.27	2.6			1.0	2930	1327	1.45	AF 97AR57		
12	200	110.01	3.0			1.2	2650	1171	1.60	AFF 97AR57		
5.9	405	150.06	1.00	AFA 47	6P	1.4	2310	1022	1.85		4P	
6.8	355	130.07	1.15	AFAF47		1.5	1980	898	2.2			
7.2	330	121.57	1.20	AF 47								
8.4	285	105.09	1.40	AFF 47								
6.8	350	190.76	1.15	AFA 47	4P	1.1	2870	1300	1.05	AFA 87AR57	4P	
7.4	320	175.38	1.25	AFAF47		1.2	2550	1148	1.20	AFAF87AR57		
8.7	275	150.06	1.45	AF 47		1.4	2230	1010	1.35	AF 87AR57		
10	240	130.07	1.65	AFF 47		1.6	1970	887	1.50	AFF 87AR57		
						1.8	1720	780	1.75			

AF



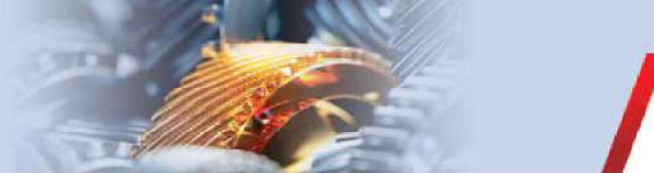
AF

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	
0.37KW						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			17	215	83.46	2.8			
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			20	174	68.09	2.3			
5.4	570	255	1.05	AFA 57AR37	4P	21	167	65.36	2.4	AFF 47	4P	
6.9	445	201	1.35			16	220	86.53	0.90			
7.6	405	181	1.50			17	205	80.65	0.95			
5.3	605	262	1.00			20	181	70.50	1.10			
6.1	515	226	1.15			21	169	66.09	1.20			
6.9	455	200	1.30			24	149	58.32	1.35			
8.1	385	170	1.55			25	140	54.54	1.45			
9.1	345	152	1.75			27	132	51.70	1.50			
10	300	134	2.0			29	120	47.02	1.65			
7.9	395	175	1.00			AFA 47AR17	4P	31	112			43.83
9.4	335	147	1.20	36	98			38.31	2.0			
11	295	130	1.35	38	92			35.91	2.2			
				44	81			31.69	2.5			
2.5	1410	270.68	2.1	AFA 87	8P	49	72	28.09	2.8	AFF 37	4P	
2.7	1330	255.37	2.3	AFAF87		58	61	23.63	3.3			
3.0	1190	228.93	2.5	AF 87		67	53	20.57	3.8			
3.5	1020	197.20	2.9	AFF 87		72	49	19.27	4.1			
3.3	1060	270.68	2.8	AFA 87	6P	81	44	17.03	4.6	AFF 37	4P	
3.5	1000	255.37	3.0	AFAF87		87	41	15.81	4.9			
3.9	900	228.93	3.3	AF 87		96	37	14.33	5.4			
				AFF 87		107	33	12.87	6.1			
4.0	890	225.79	1.70	AFA 77	6P	125	28	11.08	6.7	AFF 37	4P	
4.5	780	198.31	1.95			AFAF77	132	27	10.42			6.9
4.8	740	188.40	2.0			AF 77	154	23	8.97			7.6
5.4	655	166.47	2.3			AFF 77	186	19	7.44			7.6
6.3	560	142.27	2.7				205	17	6.74			8.1
							228	16	6.05			8.7
4.9	720	281.71	2.1	AFA 77	4P	265	13	5.21	9.4	AFF 37	4P	
5.2	675	262.93	2.2	AFAF77		282	13	4.90	9.6			
6.1	580	225.79	2.6	AF 77		327	11	4.22	10			
7.0	510	198.31	3.0	AFF 77								
4.6	765	195.39	1.05	AFA 67	6P	0.55KW						
5.3	670	170.85	1.20			AFAF67	0.22	20500	6295	0.90	AFF 157AR97	4P
5.6	635	162.31	1.30			AF 67	0.25	17400	5404	1.05		
6.3	560	142.40	1.45			AFF 67	0.49	8930	2780	2.0		
7.4	475	120.79	1.75				0.56	7760	2427	2.3		
							0.81	5520	1674	3.3		
					1.0	4220	1308	4.3				
6.0	585	228.99	1.40	AFA 67	4P	1.2	3730	1169	4.8	AFF 157AR97	4P	
7.1	500	195.39	1.65			AFAF67	0.35	13300	3926			0.90
8.1	435	170.85	1.85			AF 67	0.39	11600	3454			1.05
8.5	415	162.31	1.95			AFF 67	0.45	10200	3031			1.20
9.7	365	142.40	2.2									
11	310	120.79	2.7									



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			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	AFA 67	
1.6	2770	834	2.8			9.6	550	142.40	1.50	AFAF67	
2.1	2150	640	3.6			11	465	120.79	1.75	AF 67	
1.0	4530	1327	0.95			12	420	109.04	1.95	AFF 67	4P
1.2	4060	1171	1.05			14	370	95.94	2.2		
1.3	3550	1022	1.20			15	350	90.59	2.3		
1.5	3050	898	1.40	AFA 97AR57		17	310	79.76	2.7		
1.7	2690	784	1.60	AFAF97AR57	4P	8.7	605	157.09	1.00		
2.0	2340	690	1.85	AF 97AR57		10	525	136.16	1.15		
2.2	2060	605	2.1	AFF 97AR57		11	490	127.27	1.20		
2.6	1790	529	2.4			12	425	110.01	1.40	AFA 57	
2.9	1580	467	2.7			15	360	93.47	1.65	AFAF57	
3.4	1360	406	3.2			16	320	83.46	1.85	AF 57	4P
3.7	1220	363	3.5			19	280	72.98	2.1	AFF 57	
1.5	3040	887	1.00			20	265	68.22	2.3		
1.7	2660	780	1.15			23	230	58.97	2.6		
2.0	2290	674	1.30	AFA 87AR57	4P	13	405	105.09	1.00		
2.2	2080	609	1.45	AFAF87AR57		15	345	89.29	1.15		
2.6	1750	545	1.70	AF 87AR57		17	310	79.72	1.30	AFA 47	
3.0	1540	452	1.95	AFF 87AR57		20	265	68.09	1.50	AFAF47	
3.9	1160	345	2.6			21	250	65.36	1.60	AF 47	
2.5	1860	538	0.80			24	220	56.49	1.85	AFF 47	4P
2.8	1660	480	0.90	AFA 77AR37	28	185	48.00	2.2			
3.3	1420	413	1.05	AFAF77AR37	32	166	42.86	2.4			
3.7	1270	367	1.20	AF 77AR37	23	225	58.32	0.90			
4.2	1120	323	1.35	AFF 77AR37	25	210	54.54	0.95			
5.3	890	257	0.90	AFA 67AR37	4P	28	200	51.70	1.00		4P
5.9	790	231	1.05	AFAF67AR37		29	182	47.02	1.10		
6.6	705	205	1.15	AF 67AR37		31	169	43.83	1.20		
7.8	600	175	1.35	AFF 67AR37		36	148	38.31	1.35		
2.5	2140	276.77	2.0	AFA 97		8P	38	139	35.91	1.45	
2.7	1960	253.41	2.2	AFAF97	43		122	31.69	1.65		
3.0	1730	223.88	2.5	AF 97	48		109	28.09	1.85		
2.5	2090	270.68	1.45	AFA 87	57		92	23.68	2.2		
2.7	1970	255.37	1.50	AFAF87	58		91	23.63	2.2		
3.0	1770	228.93	1.70	AF 87	66	79	20.57	2.5	AFA 37	4P	
3.5	1520	197.20	1.95	AFF 87	71	74	19.27	2.7	AFAF37		
3.3	1580	270.68	1.90	AFA 87	80	66	17.03	3.0	AF 37		
3.5	1490	255.37	2.0	AFAF87	95	55	14.33	3.6	AFF 37		
3.9	1340	228.93	2.2	AF 87	106	50	12.87	4.0			
4.6	1150	197.20	2.6	AFF 87	123	43	11.08	4.4		6P	
5.0	1050	179.97	2.9		130	40	10.42	4.6			
4.0	1320	225.79	1.15			152	35	8.97	5.1		
4.5	1160	198.31	1.30	AFA 77	170	31	8.01	5.5			
4.8	1100	188.40	1.35	AFAF77	183	29	7.44	5.1			
5.4	970	166.47	1.55	AF 77	202	26	6.74	5.4		6P	
6.3	830	142.27	1.80	AFF 77	225	23	6.05	5.8			
6.9	760	130.42	1.95		261	20	5.21	6.2			
6.0	870	225.79	1.70	AFA 77	277	19	4.90	6.3			
6.9	765	198.31	1.95	AFAF77	322	16	4.22	6.8			
7.2	730	188.40	2.1	AF 77	361	15	3.77	7.2		4P	
8.2	645	166.47	2.3	AFF 77	0.75KW						
					0.50	12300	2780	1.45	AFA 157AR97		4P
					0.57	10700	2427	1.70	AFAF157AR97		
					0.82	7580	1674	2.4	AF 157AR97		
					1.1	5830	1308	3.1	AFF 157AR97		
					1.2	5170	1169	3.5			

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		
						13	565	108.46	2.7		
0.76	8360	1826	0.90			8.1	890	170.85	0.90		
0.86	7400	1597	1.05			8.5	840	162.31	0.95		
0.98	6470	1401	1.20			9.7	740	142.40	1.10		
1.1	5690	1243	1.35	AFA 107AR77	4P	11	625	120.79	1.30	AFA 67	4P
1.3	5040	1087	1.50	AFAF107AR77		13	565	109.04	1.45	AFAF67	
1.5	4350	950	1.75	AF 107AR77		14	500	95.94	1.65	AF 67	
1.7	3800	834	2.0	AFF 107AR77		15	470	90.59	1.75	AFF 67	
2.2	2940	640	2.6			17	415	79.76	2.0		
3.2	2000	436	3.8			20	350	67.65	2.3		
1.4	4810	1022	0.90			23	315	61.07	2.6		
1.5	4150	898	1.05			11	660	127.27	0.90		
1.8	3660	784	1.20			13	570	110.01	1.05		
2.0	3190	690	1.35			15	485	93.47	1.25		
2.3	2800	605	1.55	AFA 97AR57	4P	17	435	83.46	1.40	AFA 57	4P
2.6	2440	529	1.75	AFAF97AR57		19	380	72.98	1.60	AFAF57	
3.0	2160	467	2.0	AF 97AR57		20	355	68.22	1.70	AF 57	
3.4	1860	406	2.3	AFF 97AR57		23	305	58.97	1.95	AFF 57	
3.8	1670	363	2.6			28	260	50.10	2.3		
						31	230	44.73	2.6		
2.0	3120	674	0.95	AFA 87AR57	4P	17	415	79.72	0.95		
2.3	2830	609	1.05	AFAF87AR57		20	355	68.09	1.15		
2.7	2390	515	1.25	AF 87AR57		21	340	65.36	1.20	AFA 47	4P
3.0	2100	452	1.45	AFF 87AR57		24	295	56.49	1.35	AFAF47	
4.0	1590	345	1.90		29	250	48.00	1.60	AF 47		
					32	220	42.86	1.80	AFF 47		
3.8	1720	367	0.85	AFA 77AR37	4P	38	190	36.61	2.1		
4.3	1520	323	1.00	AFAF77AR37		40	178	34.29	2.2		
4.9	1310	280	1.15	AF 77AR37		48	150	28.88	2.7		
				AFF 77AR37							
2.7	2640	254.40	2.9	AFA 107	4P	29	145	47.02	0.80		
				AFAF107		31	230	43.83	0.90		
				AF 107		36	199	38.31	1.00		
				AFF 107	38	186	35.91	1.05			
2.5	2870	276.77	1.50	AFA 97	8P	44	165	31.69	1.20		
2.7	2630	263.41	1.65	AFAF97		49	148	28.09	1.35		
3.1	2320	223.88	1.85	AF 97		58	124	23.88	1.60		
				AFF 97		58	123	23.63	1.65		
3.2	2200	276.77	1.95	AFA 97	6P	67	107	20.57	1.85		
3.5	2020	253.41	2.1	AFAF97		72	100	19.27	2.0		
4.0	1780	223.88	2.4	AF 97		81	88	17.03	2.3	AFA 37	4P
				AFF 97		96	74	14.33	2.7	AFAF37	
3.3	2150	270.68	1.40		107	67	12.87	3.0	AF 37		
3.5	2030	255.37	1.50	AFA 87	125	58	11.08	3.3	AFF 37		
3.9	1820	228.93	1.65	AFAF87	6P	132	54	10.42	3.4		
4.6	1570	197.20	1.90	AF 87		154	47	8.97	3.8		
5.0	1430	179.97	2.1	AFF 87		205	35	6.74	4.0		
5.6	1270	159.61	2.4			228	31	6.05	4.3		
						265	27	5.21	4.6		
						282	25	4.90	4.7		
5.1	1400	270.68	2.1	AFA 87	4P	327	22	4.22	5.0		
5.4	1330	255.37	2.3	AFAF87		366	20	3.77	5.4		
6.0	1190	228.93	2.5	AF 87							
				AFF 87							
4.5	1580	198.31	0.95		8P	1.1KW					
4.8	1500	188.40	1.00	AFA 77		0.50	18200	2780	1.00	AFA 157AR97	4P
5.4	1320	166.47	1.15	AFAF77		0.68	16000	2427	1.15	AFAF157AR97	
6.3	1130	142.27	1.30	AF 77		0.64	14300	2185	1.25	AF 157AR97	
6.9	1040	130.42	1.45	AFF 77		0.72	12700	1944	1.40	AFF 157AR97	
						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			11	980	130.42	1.55		
1.2	7680	1169	2.3	AFA 157AR97	4P	12	850	114.45	1.75	AFA 77	4P
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		18	640	85.52	2.3	AFF 77	
4.6	1950	302	9.2			19	585	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	72.96	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	37	285	38.21	2.1			
4.1	2330	345	1.30	AFAF87AR57	38	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							
2.7	3930	254.40	1.95	AFA 107	8P	25	425	56.49	0.95		4P
3.2	3330	215.37	2.3	AFAF107		29	360	48.00	1.10		
3.4	3080	199.31	2.5	AF 107		33	320	42.86	1.25		
3.8	2760	178.64	2.8	AFF 107		38	275	36.61	1.45	AFA 47	
						41	255	34.29	1.55	AFAF47	
						48	215	28.88	1.85	AF 47	
3.3	3160	276.77	1.35		6P	45	230	30.86	1.75	AFF 47	4P
3.6	2890	253.41	1.50	AFA 97		48	220	29.32	1.80		
4.1	2560	223.88	1.70	AFAF97		54	193	25.72	2.1		
4.8	2170	189.92	2.0	AF 97		64	164	21.82	2.4		
5.3	2000	174.87	2.2	AFF 97		71	148	19.70	2.7		
5.1	2080	276.77	2.1	AFA 97	4P	44	240	31.69	0.85		4P
5.5	1900	253.41	2.3	AFAF97		50	210	28.09	0.95		
6.2	1680	223.88	2.6	AF 97		59	179	23.88	1.10		
						68	154	20.57	1.30		
						73	145	19.27	1.40		
						82	128	17.03	1.55		
3.4	3090	270.88	0.95		6P	98	108	14.33	1.85		4P
3.6	2920	255.37	1.05	AFA 87		109	97	12.87	2.1		
4.0	2610	228.93	1.15	AFAF87		126	83	11.08	2.3	AFA 37	
4.7	2250	197.20	1.35	AF 87		134	78	10.42	2.4	AFAF37	
5.1	2050	179.97	1.45	AFF 87		156	67	8.97	2.6	AF 37	
5.8	1820	159.61	1.65			175	60	8.01	2.8	AFF 37	
5.2	2030	270.88	1.50		4P	208	51	6.74	2.8		4P
5.5	1920	255.37	1.55			231	45	6.05	3.0		
6.1	1720	228.93	1.75	AFA 87		269	39	5.21	3.2		
7.1	1480	197.20	2.0	AFAF87		286	37	4.90	3.3		
7.8	1350	179.97	2.2	AF 87		332	32	4.22	3.5		
8.8	1200	159.61	2.5	AFF 87		372	28	3.77	3.7		
10	1010	134.16	3.0		1.5KW						
11	930	123.29	3.2		0.58	21900	2427	0.80			
					0.65	19700	2185	0.90	AFA 157AR97	4P	
					0.73	17500	1944	1.05	AFAF157AR97		
					0.84	15300	1674	1.20	AF 157AR97		
7.1	1490	198.31	1.00		1.1	11900	1308	1.50	AFF 157AR97		
7.4	1410	188.40	1.05		1.2	10600	1169	1.70			
8.4	1250	166.47	1.20								
9.8	1070	142.27	1.40								

AF



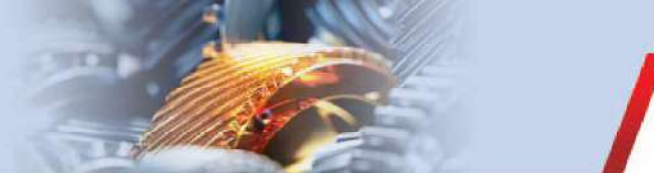
Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	
1.5KW						1.5KW						
1.5	8540	953	2.1	AFA 157AR97	4P	13	1100	108.46	1.35		4P	
1.7	7530	845	2.4	AFAF157AR97		15	960	94.93	1.55			
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			
0.88	14800	1606	0.80	AFA 127AR77	4P	19	735	72.50	2.0			
	1.0	12800	1390			0.95	21	675	66.46			2.2
	1.2	11200	1220			1.05	24	595	58.32			2.5
	1.3	9910	1077			1.20	26	560	55.27			2.7
	1.5	8520	930			1.40	29	490	48.37			3.0
	1.7	7500	820			1.60	32	445	43.58			3.4
	1.9	6630	727			1.80	37	390	38.23			3.9
	2.2	5960	648			2.0	AFF 127AR77	39	370			36.58
1.5	8730	950	0.90	AFA 107AR77	4P	45	320	31.51	4.3			
	1.7	7640	834			1.00	16	920	90.59			0.90
	1.9	6730	736			1.15	18	810	79.76			1.00
	2.2	5890	640			1.30	21	685	67.65	1.20		
	2.5	5110	560			1.50	23	620	61.07	1.30		
	2.9	4460	489			1.70	26	545	53.73	1.50		
	3.2	4010	436			1.90	28	515	50.74	1.60		
	3.8	3400	370			2.3	AFF 107AR77	33	440	43.20	1.85	
	2.7	4880	529			0.90	AFA 97AR57	4P	36	400	39.26	1.95
		3.0	4310			467			1.00	39	370	36.30
3.5		3730	406	1.15	44	325			32.08	2.5		
3.9		3340	363	1.30	51	280			27.41	2.9		
AFAF97AR57		56	255	25.13	3.2							
4.1	3180	345	0.95	AFA 87AR57	4P	24	600	58.97	1.00			
	4.7	2760	300			1.10	28	510	50.10	1.20		
	5.7	2290	249			1.30	32	455	44.73	1.30		
	AFAF87AR57	37	390			39.21	1.55					
	AFF 87AR57	39	365			35.79	1.65					
2.8	5210	254.40	1.50	AFA 107	8P	47	305	30.15	1.95			
	3.2	4410	215.37			1.75	33	435	42.86	0.90		
	3.5	4080	199.31			1.90	39	370	36.61	1.10		
	3.9	3660	178.64			2.1	41	350	34.29	1.15		
3.6	3960	254.40	1.95	AFA 107	6P	49	295	28.88	1.35			
	4.3	3350	215.37			2.3	46	315	30.86	1.30		
	4.6	3100	199.31			2.5	48	300	29.32	1.35		
	5.2	2780	178.64			2.8	55	260	25.72	1.55		
	AFAF107	65	220			21.82	1.80					
3.3	4310	276.77	1.00	AFA 97	6P	72	200	19.70	2.0			
	3.6	3950	253.41			1.10	81	176	17.33	2.3		
	4.1	3490	223.88			1.25	86	166	16.36	2.4		
	4.8	2960	189.92			1.45	101	142	13.93	2.8		
	AFF 97	69	210			20.57	0.95					
5.1	2810	276.77	1.55	AFA 97	4P	73	196	19.27	1.00			
	5.6	2570	253.41			1.65	83	173	17.03	1.15		
	6.3	2270	223.88			1.90	98	146	14.33	1.35		
	7.4	1930	189.92			2.2	110	131	12.87	1.55		
	AFF 97	127	113			11.08	1.70					
5.2	2750	270.68	1.10	AFA 87	4P	135	106	10.42	1.75			
	5.5	2590	255.37			1.15	157	91	8.97	1.90		
	6.2	2330	228.93			1.30	176	81	8.01	2.1		
	7.2	2000	197.20			1.50	209	69	6.74	2.0		
	7.8	1830	179.97			1.65	233	62	6.05	2.2		
	8.8	1620	159.61			1.85	271	53	5.21	2.4		
	11	1360	134.16			2.2	288	50	4.90	2.4		
	13	1110	109.49			2.7	334	43	4.22	2.6		
	AFF 87	374	38			3.77	2.7					
	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							

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
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	4P
1.9	10100	764	1.80	AFAF157AR97	4P	21	1020	68.40	2.9	AF 87	
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		
1.3	14600	1077	0.80			19	1120	75.02	1.35		
1.5	12600	930	0.95			21	990	66.46	1.50	AFA 77	
1.7	11100	820	1.10			24	870	58.32	1.75	AFAF77	4P
1.9	9830	727	1.20	AFA 127AR77		26	820	55.27	1.80	AF 77	
2.2	8810	648	1.35	AFAF127AR77	4P	29	720	48.37	2.1	AFF 77	
2.6	7460	549	1.60	AF 127AR77		32	650	43.58	2.3		
2.8	6720	495	1.60	AFF 127AR77		39	545	36.58	2.0		
3.3	5810	428	2.1			45	470	31.51	2.9		
						49	430	28.75	3.3		
2.2	8700	640	1.90			55	380	25.50	4.0		
2.5	7580	560	1.00	AFA 107AR77							
2.9	6610	489	1.15	AFAF107AR77	4P	23	910	61.07	0.90		
3.2	5930	436	1.30	AF 107AR77		26	800	53.73	1.00		
3.8	5030	370	1.55	AFF 107AR77		28	755	50.74	1.10		
4.2	4520	333	1.70			33	645	43.20	1.25		
						36	585	39.26	1.35		
3.9	4940	363	0.85	AFA 97AR57		41	505	34.01	1.45	AFA 67	
4.9	3890	285	1.10	AFAF97AR57	4P	44	480	32.08	1.70	AFAF67	4P
5.8	3340	245	1.30	AF 97AR57		51	410	27.41	2.0	AF 67	
						56	375	25.13	2.2	AFF 67	
2.8	7640	254.40	1.00	AFA 107		64	330	22.05	2.5		
3.2	6460	215.37	1.20	AFAF107	8P	67	310	20.90	2.6		
3.5	5980	199.31	1.30	AF 107		77	275	18.29	3.0		
3.9	5360	178.64	1.45	AFF 107							
3.7	5690	254.40	1.35	AFA 107		32	665	44.73	0.90		
4.4	4810	215.37	1.60	AFAF107	6P	37	570	38.21	1.05		
4.7	4450	199.31	1.70	AF 107		39	535	35.79	1.15		
5.3	3990	178.64	1.90	AFF 107		47	450	30.15	1.30	AFA 57	
						56	370	24.96	1.55	AFAF57	4P
5.5	3790	254.40	2.0	AFA 107		67	315	21.17	1.90	AF 57	
6.6	3210	215.37	2.4	AFAF107	4P	74	285	19.11	2.1	AFF 57	
7.1	2970	199.31	2.6	AF 107		84	250	16.81	2.4		
7.9	2660	178.64	2.9	AFF 107		89	235	15.88	2.5		
4.2	5000	223.88	0.85	AFA 97							
5.9	4240	189.92	1.00	AFAF97	6P	55	385	25.72	1.05		
5.4	3910	174.87	1.10	AF 97		65	328	21.82	1.25		
6.0	3490	156.30	1.25	AFF 97		72	295	19.70	1.35	AFA 47	
						81	260	17.33	1.55	AFAF47	4P
5.1	4120	276.77	1.05			86	245	16.36	1.65	AF 47	
5.6	3780	253.41	1.15			101	210	13.93	1.95	AFF 47	
6.3	3340	223.88	1.30	AFA 97		111	189	12.66	2.1		
7.4	2830	189.92	1.50	AFAF97	4P	129	163	10.97	2.5		
8.1	2610	174.87	1.65	AF 97		157	133	8.96	2.5		
9.0	2330	156.30	1.85	AFF 97							
10	2100	140.71	2.0			98	245	14.33	0.95		
11	1900	127.42	2.3			110	192	12.87	1.05		
						127	165	11.08	1.15		
7.2	2940	197.20	1.00	AFA 87		135	155	10.42	1.20		
7.8	2680	179.97	1.10	AFAF87	4P	157	134	8.97	1.30	AFA 37	
8.8	2380	159.61	1.25	AF 87		176	119	8.01	1.40	AFAF37	4P
11	2000	134.16	1.50	AFF 87		209	100	6.74	1.40	AF 37	
						233	90	6.05	1.50	AFF 37	
						271	78	5.21	1.60		
						288	73	4.90	1.65		
						334	63	4.22	1.75		
						374	56	3.77	1.85		

AF



Output speed (r/min)	Output torque (N.M)	Ratio (l)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (l)	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 167AR97		51	560	27.41	1.45	AFA 67	
2.4	10800	576	1.70	AFAF167AR97	4P	56	515	25.13	1.60	AFAF67	4P
3.1	8250	446	2.2	AF 167AR97		63	450	22.05	1.80	AF 67	
4.6	5580	302	3.2	AFF 167AR97		67	430	20.90	1.90	AFF 67	
5.1	5040	273	3.6			77	375	18.29	2.2		
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
						88	325	15.88	1.75	AF 57	
3.2	8170	436	0.95	AFA 107AR77		104	275	13.52	2.2	AFF 57	
3.8	6930	370	1.10	AFAF107AR77	4P	114	250	12.29	2.4		
4.2	6240	333	1.25	AF 107AR77		132	220	10.64	2.8		
4.8	5460	291	1.40	AFF 107AR77							
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	AFA 47	
4.7	6070	199.31	1.25	AF 107		86	335	16.36	1.20	AFAF47	4P
5.3	5440	178.64	1.40	AFF 107		100	285	13.93	1.40	AF 47	
						111	260	12.66	1.55	AFF 47	
5.5	5210	254.40	1.50	AFA 107		128	225	10.97	1.80		
6.5	4410	215.37	1.75	AFAF107	4P	156	183	8.96	1.80		
7.0	4080	199.31	1.90	AF 107							
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		
						156	184	8.97	0.95		
6.2	4580	233.88	0.95			175	164	8.01	1.05	AFA 37	
7.4	3890	189.92	1.10			208	138	6.74	1.00	AFAF37	4P
8.0	3580	174.87	1.20			231	124	6.05	1.10	AF 37	
9.0	3200	156.30	1.35	AFA 97		269	107	5.21	1.15	AFF 37	
9.9	2880	140.71	1.50	AFAF97	4P	286	100	4.80	1.20		
11	2610	127.42	1.65	AF 97		332	86	4.22	1.25		
12	2310	112.99	1.85	AFF 97		372	77	3.77	1.35		
14	2090	102.16	2.1			4.0KW					
16	1840	89.85	2.3			1.7	20600	845	0.85		
						1.9	18600	764	0.95		
10	2750	134.16	1.10			2.1	16600	680	1.10		
11	2520	123.29	1.20			2.5	14000	576	1.30	AFA 167AR97	
13	2240	109.49	1.35			3.2	10900	446	1.65	AFAF167AR97	4P
14	2000	97.89	1.50			4.7	7390	302	2.4	AF 167AR97	
16	1800	88.01	1.65	AFA 87		5.2	6670	273	2.7	AFF 167AR97	
18	1560	76.39	1.90	AFAF87	4P	6.1	5640	232	3.2		
20	1400	68.40	2.1	AF 87		7.2	4780	197	3.8		
25	1160	56.75	2.6	AFF 87							
28	1030	50.36	2.8			2.6	13600	549	0.90	AFA 127AR77	
						2.9	12200	495	1.00	AFAF127AR77	4P
16	1750	85.52	0.85			3.3	10600	428	1.15	AF 127AR77	
19	1540	75.02	1.00			3.8	9270	376	1.30	AFF 127AR77	
21	1360	66.46	1.10								
24	1190	58.32	1.25			4.3	8230	333	1.95	AFA 107AR77	
25	1130	55.27	1.35			4.9	7190	291	1.05	AFAF107AR77	4P
29	990	48.37	1.50			5.6	6310	255	1.20	AF 107AR77	
32	890	43.58	1.70	AFA 77							
37	780	38.23	1.90	AFAF77	4P						
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								
65	440	21.43	3.4								

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	
4.0KW						4.0KW						
5.6	6840	254.40	1.10		4P	67	570	21.17	1.05		4P	
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	161.26	1.75	AFA 107		105	365	13.52	1.65			
9.7	3940	146.49	1.95	AFAF107		116	330	12.29	1.80	AFA 57		
11	3500	129.97	2.2	AF 107		133	285	10.64	2.1	AFAF57		
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		4P	216	177	6.58	2.4		4P	
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			4P
14	2750	102.16	1.55	AFAF97		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		3.4	14000	418	0.85			
18	2160	80.31	2.0			3.8	12600	374	0.95	AFA 127AR77		
20	1940	72.30	2.2			4.6	10500	312	1.15	AFAF127AR77		
22	1760	65.47	2.4		4.9	9840	293	1.20	AF 127AR77			
					5.5	8680	259	1.40	AFF 127AR77			
					6.4	7500	223	1.60				
					7.1	6750	202	2.7				
13	2950	109.49	1.00		4P	7.3	6570	197	2.7			
15	2630	97.89	1.15			3.4	14000	418	0.85			
16	2370	88.01	1.25	AFA 87		3.8	12600	374	0.95	AFA 127AR77		
19	2050	76.39	1.45	AFAF87		4.6	10500	312	1.15	AFAF127AR77		
21	1840	68.40	1.65	AF 87		4.9	9840	293	1.20	AF 127AR77		
25	1530	56.75	1.95	AFF 87		5.5	8680	259	1.40	AFF 127AR77		
28	1350	50.36	2.2			6.4	7500	223	1.60			
31	1220	45.28	2.3									
21	1790	66.46	0.85		4P	3.3	14500	428	0.85	AFA 127AR77	4P	
24	1570	58.32	0.95			3.8	12700	376	0.95	AFAF127AR77		
26	1490	55.27	1.00									
29	1300	48.37	1.15			2.7	19800	267.43	0.90		8P	
33	1170	43.58	1.30			3.3	16100	217.62	1.10			
37	1030	38.23	1.45	AFA 77		4.0	13200	178.20	1.35			
42	910	33.74	1.65	AFAF77		4.4	12100	162.96	1.50	AFA 157		
47	800	29.91	1.85	AF 77		5.0	10500	141.80	1.70	AFAF157		
56	685	25.54	2.1	AFF 77		5.7	9260	125.14	1.95	AF 157		
45	850	31.51	1.65			6.5	8030	108.49	2.2	AFF 157		
49	775	28.75	1.85			7.4	7140	96.53	2.5			
56	685	25.50	2.2			8.4	6350	85.80	2.8			
66	575	21.43	2.6			9.1	5800	78.46	3.1			
72	530	19.70	2.8			10	5050	68.28	3.6			
52	735	27.41	1.10		4P	4.2	12600	170.38	0.95	AFA 127	8P	
57	675	25.13	1.20			4.6	11400	153.27	1.05	AFAF127		
64	595	22.05	1.40			5.7	9270	125.04	1.30	AF 127		
68	560	20.90	1.45			6.2	8460	114.04	1.40	AFF 127		
78	490	18.29	1.64			6.6	7910	215.37	0.95		4P	
86	445	16.48	1.85			7.2	7320	199.31	1.05			
98	390	14.46	2.1			8.0	6560	178.64	1.15			
111	345	12.76	2.4		8.9	5920	161.28	1.30				
126	305	11.31	2.7	AFA 67	9.8	5380	146.49	1.45	AFA 107			
147	260	9.66	3.2	AFAF67	11	4770	129.97	1.60	AFAF107			
156	245	9.08	2.2	AF 67	12	4330	117.94	1.75	AF 107			
165	230	8.60	2.5	AFF 67	14	3720	101.38	2.1	AFF 107			
189	205	7.53	3.0		15	3400	92.47	2.3				
209	183	6.78	3.4		16	3250	88.49	2.4				
239	160	5.95	3.8		17	3080	83.99	2.5				
270	141	5.25	4.2									
305	125	4.66	4.5		11	4680	127.42	0.90	AFA 97	4P		
357	107	3.97	4.7		13	4150	112.99	1.05	AFAF97			
					14	3750	102.16	1.15	AF 97			
										AFF 97		

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
5.5KW						7.5KW					
15	3580	97.58	1.20			4.8	14300	312	0.85		
16	3300	89.85	1.30			4.9	13500	293	0.90	AFA 127AR87	4P
17	3180	86.59	1.35			5.5	11900	259	1.00	AFAF127AR87	
18	2950	80.31	1.45	AFA 97		6.4	10300	223	1.15	AF 127AR87	
19	2780	75.63	1.55	AFAF97		7.2	9080	198	1.30	AFF 127AR87	
20	2660	72.30	1.60	AF 97	4P						
22	2400	65.47	1.80	AFF 97		3.3	21600	217.62	0.85		
25	2130	58.06	2.0			4.0	17700	178.20	1.00		
27	1930	52.49	2.2			4.4	16200	162.96	1.10		
						5.1	14100	141.80	1.30		
						5.8	12400	125.14	1.45		
						6.6	10800	108.49	1.65	AFA 157	
16	3230	88.01	0.95			7.5	9600	96.53	1.85	AFAF157	8P
19	2810	76.39	1.05			8.4	8530	85.80	2.1	AF 157	
21	2510	68.40	1.20			9.2	7810	78.46	2.3	AFF 157	
25	2080	56.75	1.45			11	6790	68.28	2.7		
28	1850	50.36	1.60	AFA 87		12	5990	60.25	3.0		
32	1660	45.28	1.70	AFAF87	4P	14	5200	52.24	3.5		
36	1440	39.30	1.90	AF 87		15	4620	46.48	3.9		6P
41	1290	35.19	2.0	AFF 87		18	3980	40.06	4.5		
49	1070	29.20	2.3			3.6	20000	267.43	0.90		
42	1240	33.74	1.20			4.4	16200	217.62	1.10		
48	1100	29.91	1.35			5.4	13300	178.20	1.35		
56	940	25.54	1.55	AFA 77		5.9	12200	162.96	1.50	AFA 157	
56	940	25.50	1.60	AFAF77	4P	6.8	10600	141.80	1.70	AFAF157	8P
67	785	21.43	1.90	AF 77		7.7	9340	125.14	1.95	AF 157	
73	725	19.70	2.1	AFF 77		8.9	8090	108.49	2.2	AFF 157	
82	645	17.49	2.3			9.9	7200	96.53	2.5		
91	575	15.64	2.8			11	6400	85.80	2.8		
102	515	14.06	2.9			12	5850	78.46	3.1		
117	450	12.21	3.3			14	5090	68.28	3.5		6P
						16	4500	60.25	4.0		
						18	3900	52.24	4.8		
						5.7	12500	125.04	0.95	AFA 127	
						6.3	11400	114.04	1.05	AFAF127	
						7.3	9840	98.69	1.20	AF 127	
						8.2	8690	87.08	1.40	AFF 127	6P
65	810	22.05	1.00			5.6	12700	170.38	0.95	AFA 127	
68	770	20.90	1.05			6.2	11500	153.27	1.05	AFAF127	
78	670	18.29	1.20			7.7	9350	125.04	1.30	AF 127	
87	605	16.48	1.35			8.4	8530	114.04	1.40	AFF 127	
99	530	14.46	1.55								
112	470	12.76	1.75			8.4	8530	114.04	1.40	AFF 127	4P
126	415	11.31	1.95			8.4	8560	170.38	1.40	AFA 127	
148	355	9.66	2.3	AFA 67	4P	9.3	7700	153.27	1.55	AFAF127	
158	335	9.08	1.60	AFAF67		11	6280	125.04	1.90	AF 127	
166	315	8.60	1.80	AF 67							
190	275	7.53	2.2	AFF 67		8.0	8950	178.64	0.85		
211	250	6.78	2.5			8.9	8080	161.28	0.95		6P
240	220	5.95	2.8			9.8	7340	146.49	1.05		
272	193	5.25	3.1			11	6410	129.97	1.20		
307	171	4.66	3.3			12	5910	117.94	1.30		
360	146	3.97	3.4			14	5080	101.38	1.50	AFA 107	
						15	4630	92.47	1.65	AFAF107	
85	620	16.81	0.95			16	4430	88.49	1.75	AF 107	4P
90	585	15.88	1.05			17	4210	83.99	1.85	AFF 107	
106	495	13.52	1.20			19	3730	74.52	2.1		
116	450	12.29	1.35	AFA 57	4P	21	3390	67.62	2.3		
134	390	10.64	1.55	AFAF57							
175	300	8.19	1.40	AF 57		15	4890	97.58	0.90		
185	285	7.73	1.50	AFF 57		16	4500	89.85	0.95	AFA 97	
217	240	6.58	1.75			17	4340	86.59	1.00	AFAF97	
239	220	5.98	1.90			18	4020	80.31	1.05	AF 97	
276	190	5.18	2.2			19	3790	75.63	1.15	AFF 97	
						20	3620	72.30	1.20		
						22	3280	65.47	1.30		

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	4P	66	2170	22.11	2.0	AFA 97	4P	
217	485	6.64	2.2	AFAF77		73	1970	20.07	2.2	AFAF97		
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			
15KW						18.5KW						
6.3	20900	232	0.85	AFA 157AR97	4P	55	2600	26.50	1.15		4P	
7.2	18300	202	1.00	AFAF157AR97		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	6P	85	1680	17.12	1.80		4P	
7.8	18500	125.14	0.95	AFAF157		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		
11	12700	85.80	1.40			152	940	9.58	3.1	AF 87		
6.7	21400	217.62	0.85		4P	176	810	8.30	1.90	AFF 87	4P	
8.2	17500	178.20	1.05			199	720	7.35	2.1			
9.0	16000	162.96	1.15			220	650	6.65	2.3			
10	13900	141.80	1.30			259	555	5.63	2.8			
12	12300	125.14	1.45	AFA 157		297	485	4.92	3.2			
13	10600	108.49	1.70	AFAF157		355	405	4.12	3.6			
15	9470	96.53	1.90	AF 157		18.5KW						
17	8420	85.80	2.1	AFF 157		7.2	22500	202	0.80	AFA 157AR97		4P
19	7700	78.46	2.3			7.5	21800	197	0.80	AFAF157AR97		
21	6700	68.28	2.7							AF 157AR97		
24	5910	60.25	3.0						AFF 157AR97			
9.8	14600	98.69	0.80	AFA 127	6P	8.2	21500	178.20	0.85		4P	
11	12900	87.08	0.95	AFAF127		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		
12	12300	125.04	1.00		15	11600	96.53	1.55	AFAF157	4P		
13	11200	114.04	1.05	AFA 127	17	10300	85.80	1.75	AF 157			
15	9710	98.69	1.25	AFAF127	19	9760	78.46	1.90	AFF 157			
17	8570	87.08	1.40	AF 127	21	8230	68.28	2.2				
19	7400	75.21	1.60	AFF 127	24	7270	60.25	2.5				
21	6870	69.89	1.75		28	6300	52.24	2.9				
16	9070	92.47	0.85		4P	13	13800	114.04	0.85		4P	
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		
22	6630	67.62	1.15	AFAF107		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			4P
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			
67	2130	21.76	3.7		39	4540	37.61	1.70	AF 107			
					46	3830	31.80	2.0	AFF 107			
					43	4070	33.79	1.80				
					53	3320	27.57	2.4				
					58	3030	25.14	2.6				
33	4360	44.49	1.00		67	2620	21.76	3.0				
38	3810	38.86	1.15	AFA 97	18.5KW							
45	3190	32.50	1.35	AFAF97	38	4690	38.86	0.90	AFA 97	4P		
43	3330	33.91	1.30	AF 97	45	3920	32.50	1.10	AFAF97			
48	2980	30.39	1.45	AFF 97	53	3310	27.44	1.30	AF 97			
53	2690	27.44	1.60		59	3010	24.92	1.45	AFF 97			
					66	2670	22.11	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			
18.5KW						22KW								
73	2420	20.07	1.80		4P	89	3080	21.32	1.00	AFA 87 AF 87 AFF 87	4P			
85	2080	17.25	2.1	AFA 97		78	2770	19.31	1.10					
97	1820	15.06	2.4	AF 97		86	2460	17.12	1.20					
115	1540	12.77	2.8	AFF 97		95	2220	15.48	1.35					
131	1350	11.16	3.0			112	1880	13.12	1.60					
69	2570	21.32	1.15		4P	128	1640	11.46	1.85					
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	AFA 87		260	810	5.63	1.90					
153	1160	9.58	2.5	AF 87		298	705	4.92	2.2					
177	1000	8.30	1.55	AFF 87		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 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						
22KW						22	13300	68.28	1.35					
10	20900	98.53	0.85	AFA 157	6P	24	11700	60.25	1.55					
11	18600	85.80	0.95	AF 157		28	10200	52.24	1.75					
12	17000	78.46	1.05	AFF 157		32	9060	46.48	2.0					
14	14800	68.28	1.20			37	7810	40.06	2.3					
10	20300	141.80	0.90		4P	19	14700	75.21	0.80					
12	17900	125.14	1.00			21	13700	69.89	0.90					
14	15600	108.49	1.15			23	12500	63.74	0.95					
15	13800	96.53	1.30			27	10800	55.16	1.10					
17	12300	85.80	1.45	AFA 157		30	9510	48.67	1.25	AFA 127	4P			
19	11300	78.46	1.60	AF 157		35	8210	42.04	1.45	AF 127				
21	9790	68.28	1.85	AFF 157		39	7270	37.18	1.65	AFF 127				
24	8640	60.25	2.1			47	6110	31.25	1.95					
28	7490	52.24	2.4			58	4930	25.24	2.4					
32	6660	46.48	2.7			55	5240	28.79	1.60					
37	5740	40.06	3.1			80	4790	24.50	1.80					
45	4670	32.55	3.9			89	4170	21.32	2.9					
						78	3680	18.82	3.0					
15	14200	98.69	0.85		4P	34	8390	43.03	0.90			AFA 107 AF 107 AFF 107	4P	
17	12500	87.08	0.95			39	7330	37.61	1.05					
19	10800	75.21	1.10	AFA 127		46	6200	31.80	1.25					
21	10000	69.89	1.20	AF 127		53	5370	27.57	1.45					
23	9160	63.74	1.30	AFF 127		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					
25	8330	58.12	0.90			4P	119	2400	12.33	2.9				
29	7280	50.73	1.05		148		1940	9.96	3.3					
34	6170	43.03	1.25	AFA 107										
39	5390	37.61	1.40	AF 107	66		4310	22.11	1.00		AFA 97 AF 97 AFF 97	4P		
46	4560	31.80	1.70	AFF 107	73		3910	20.07	1.10					
43	4850	33.76	1.55		85		3360	17.25	1.30					
53	3950	27.57	2.0		98		2930	15.06	1.45					
58	3610	25.14	2.2		115		2490	12.77	1.75					
67	3120	21.76	2.5		132		2180	11.16	1.96					
76	2750	19.20	2.8		162		1770	9.06	1.35					
						179	1600	8.22	1.45					
53	3940	27.44	1.10		4P	208	1380	7.07	1.70					
59	3570	24.02	1.20			238	1200	6.17	1.85					
66	3170	22.11	1.35	AFA 97		281	1020	5.23	2.1					
73	2880	20.07	1.50	AF 97		321	890	4.57	2.3					
85	2470	17.25	1.75	AFF 97										
97	2160	15.06	2.0											
115	1830	12.77	2.3											
131	1600	11.16	2.6											

AF

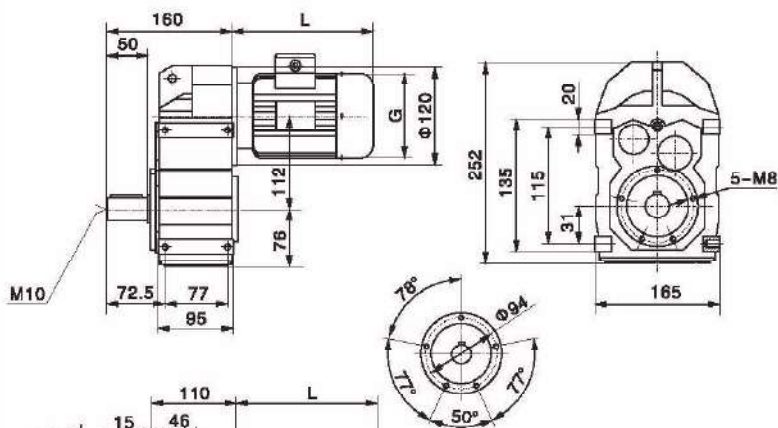


Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	
90KW						
45	18900	32.55	0.85			
54	16000	27.60	1.10			
52	16600	28.60	1.00			
58	14800	25.43	1.00	AFA 157	4P	
67	12900	22.16	1.40	AFAF157		
75	11500	19.77	1.50	AF 157		
88	9790	16.85	1.85	AFF 157		
106	8110	13.96	2.1			
124	6920	11.92	2.3			
110KW						
58	14700	25.24	0.80			
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	4P	
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			
67	15700	22.16	1.15			
75	14000	19.77	1.20	AFA 157	4P	
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		

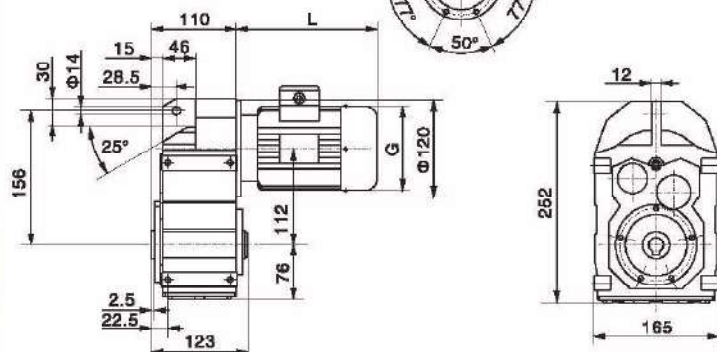
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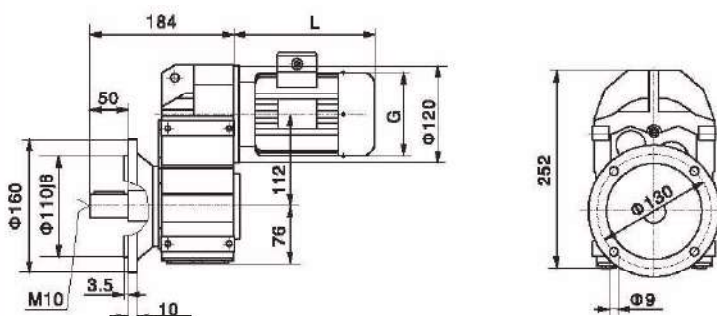
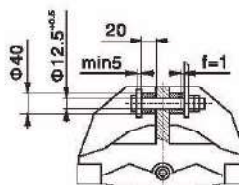


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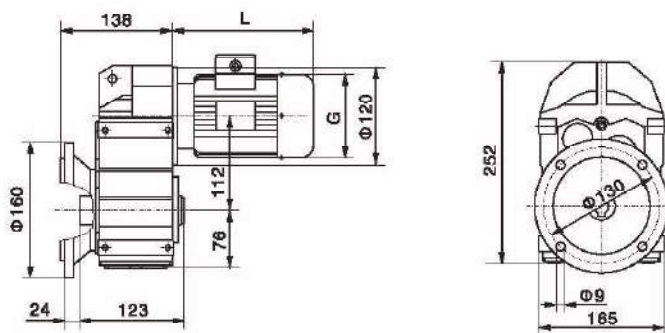


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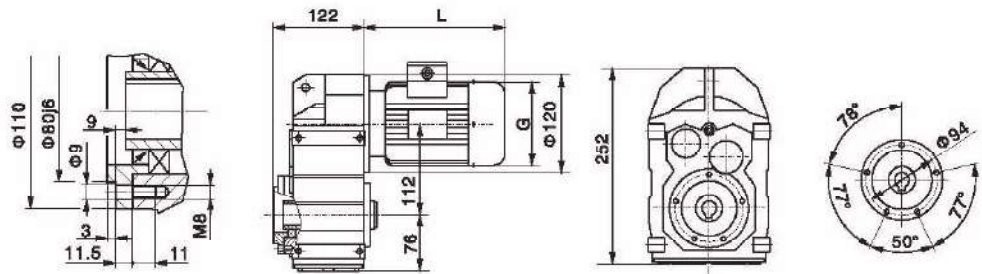


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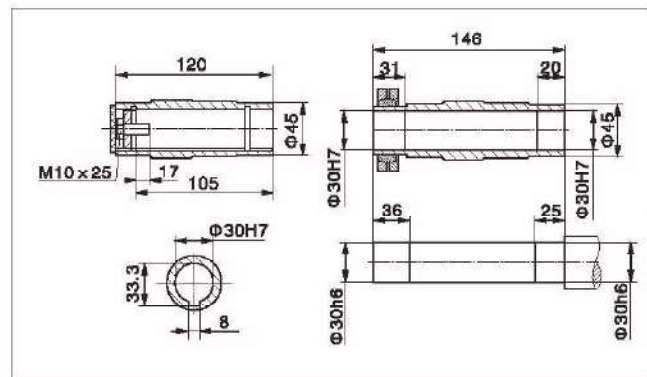
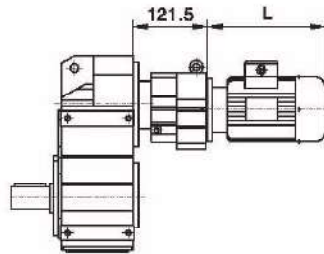




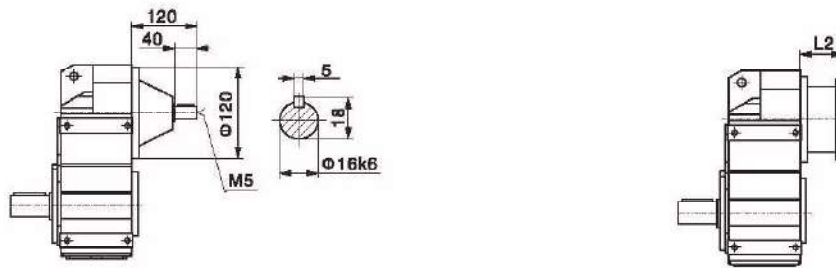
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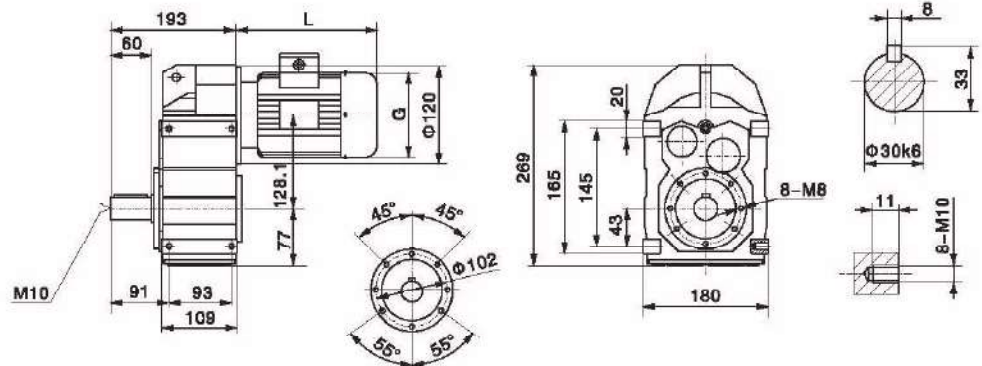
AF.37AR17



AF..S37



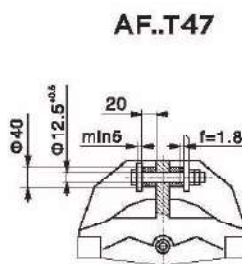
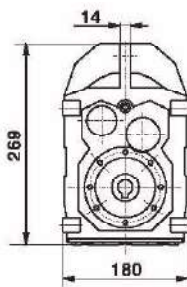
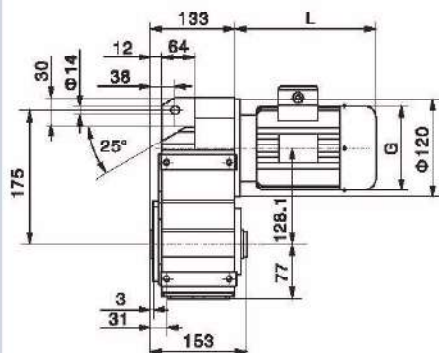
AF47



AF



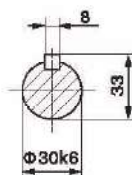
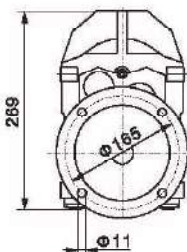
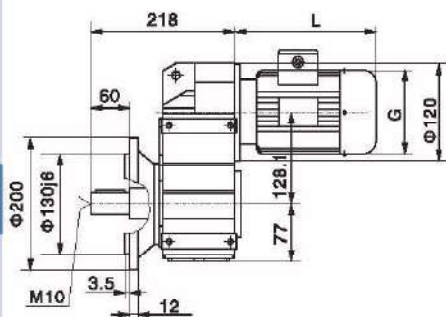
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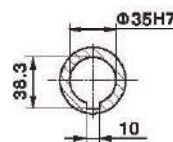
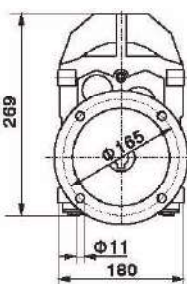
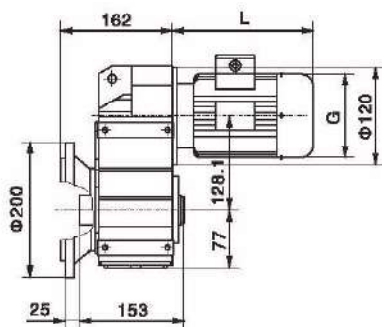
AF.T47



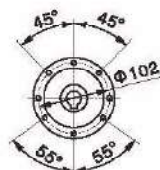
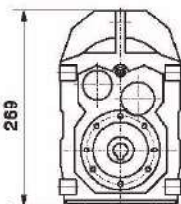
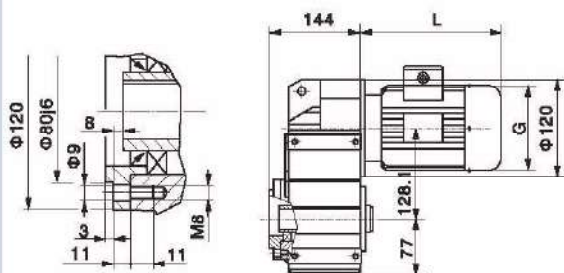
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AFAF47



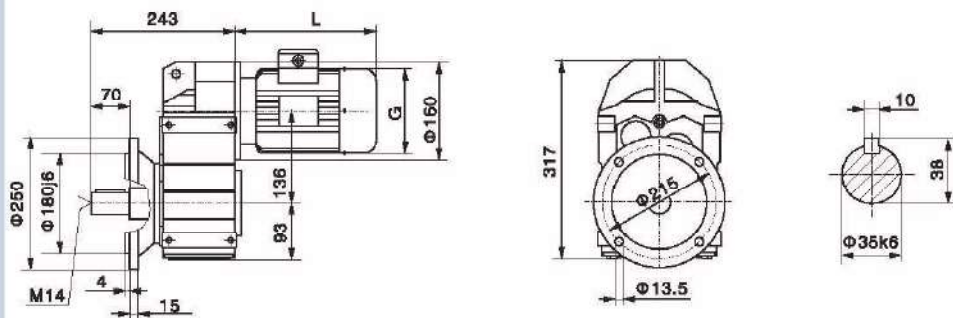
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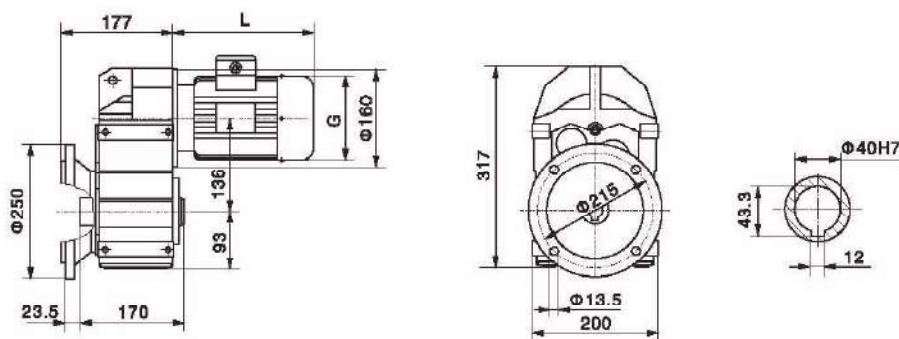
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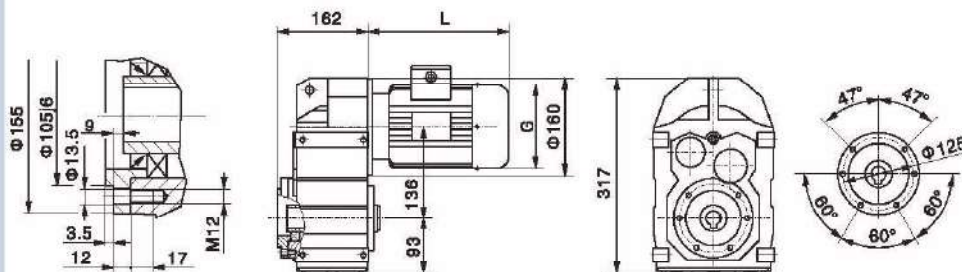
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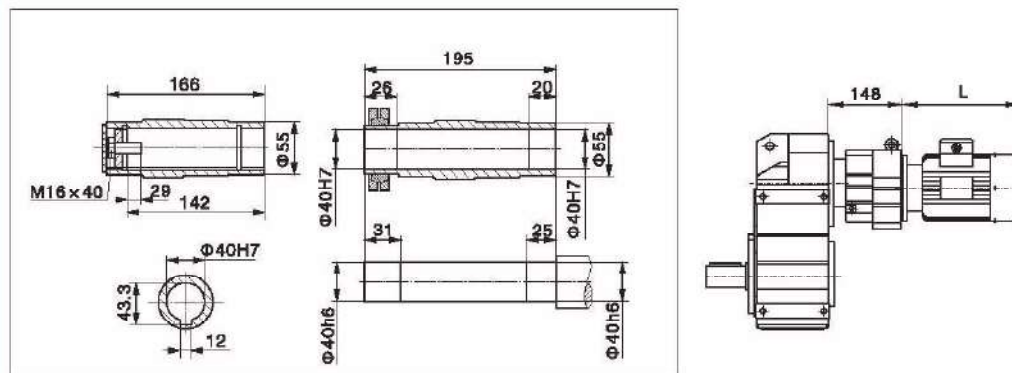
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AFAZ57



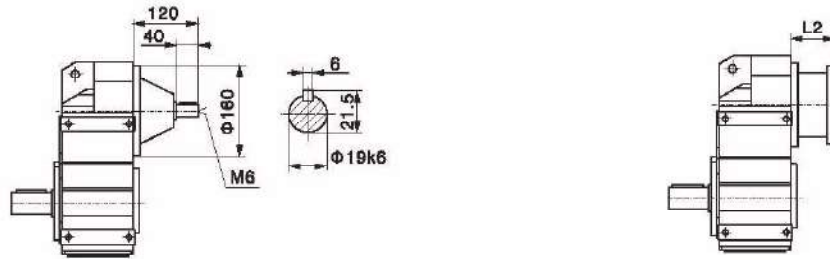
AF.57AR37



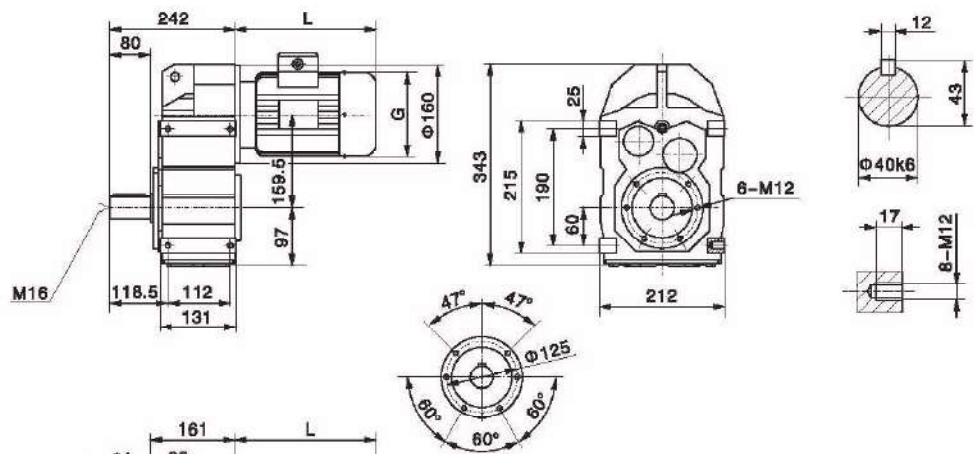
AF



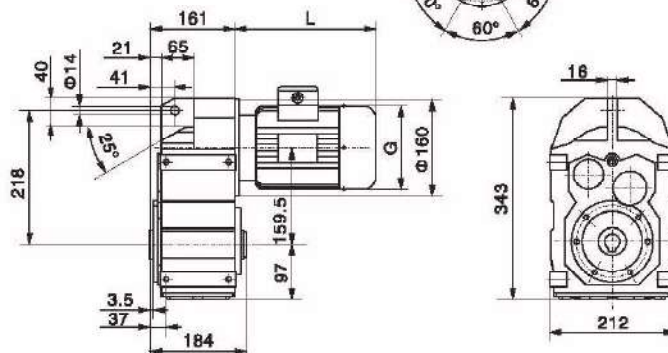
AF.S57



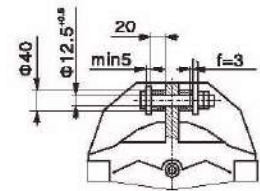
AF67



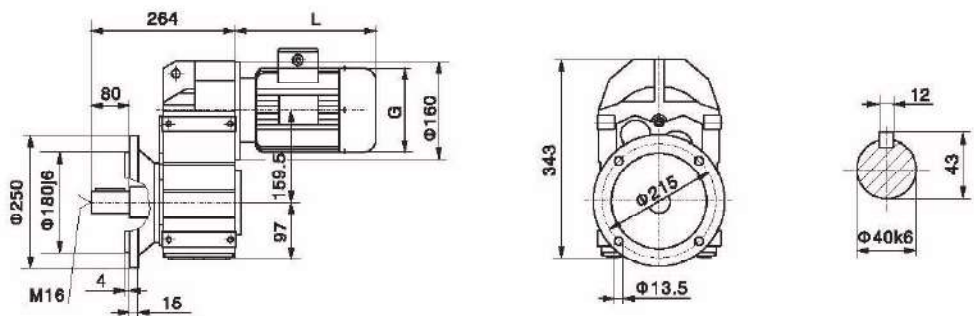
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AF.T67



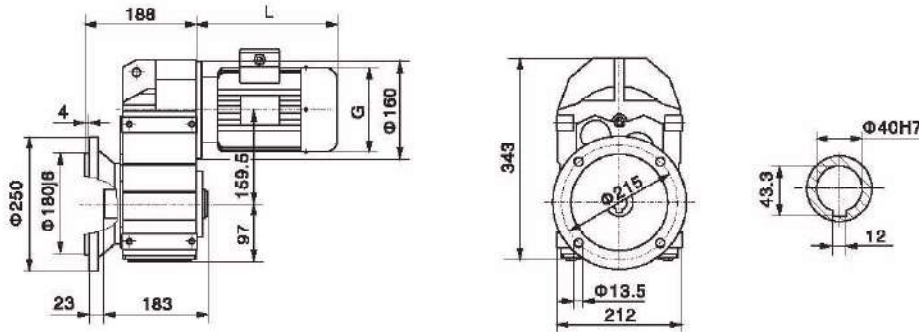
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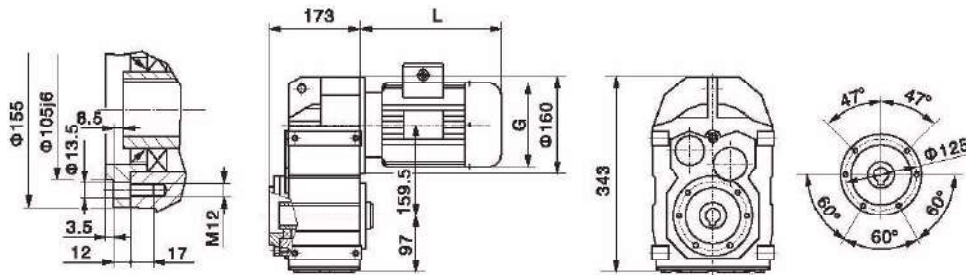
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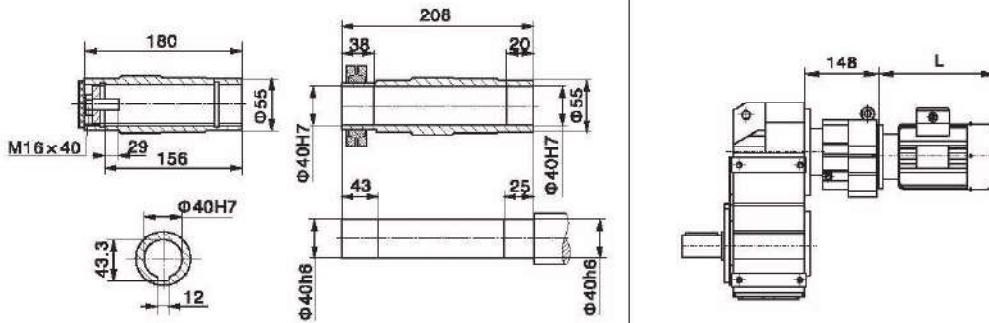


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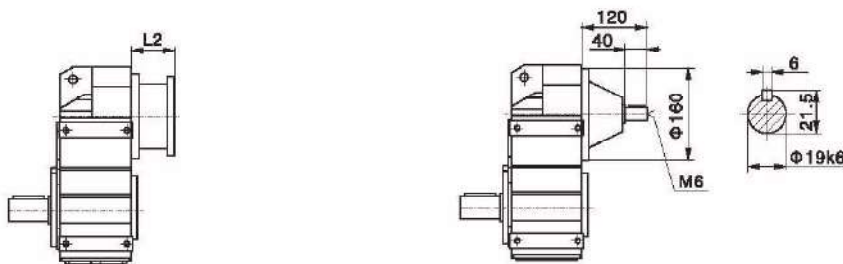


AF

AF..67AR37

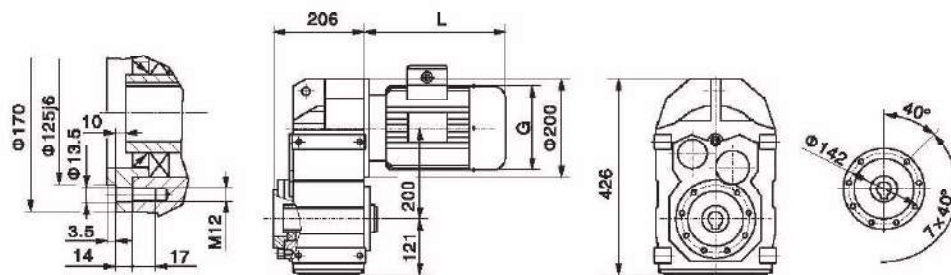


AF..S67

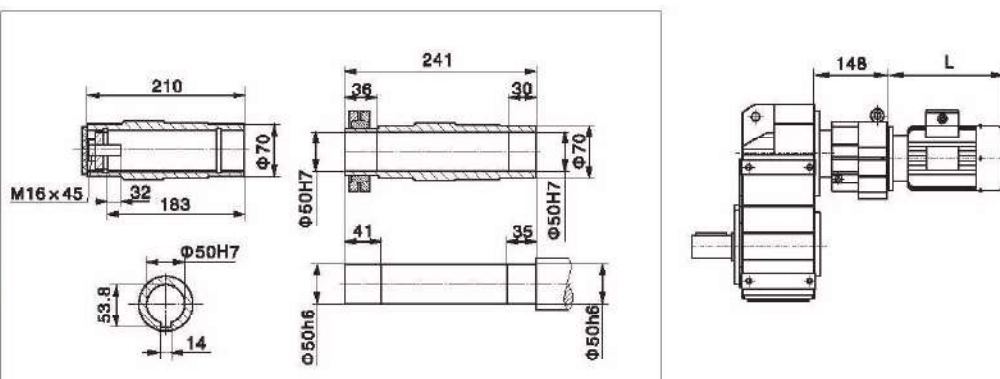




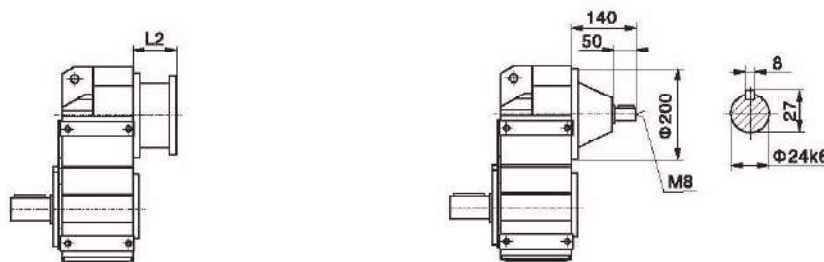
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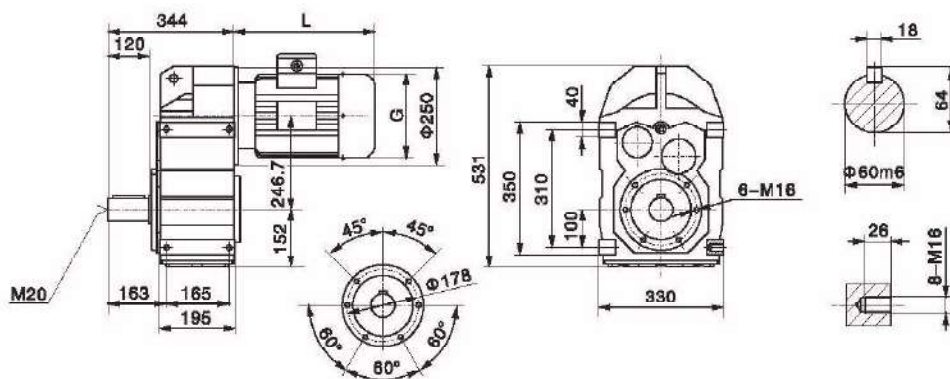
AF.77AR37



AF.S77



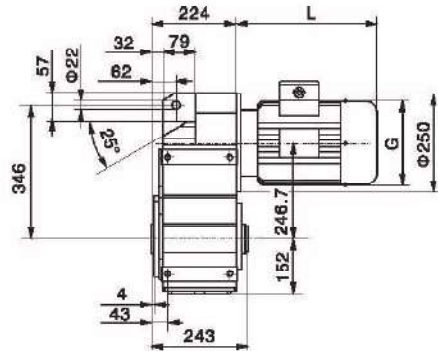
AF87



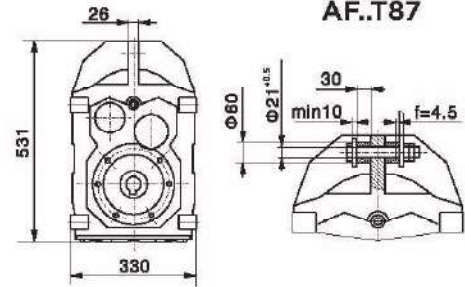
AF



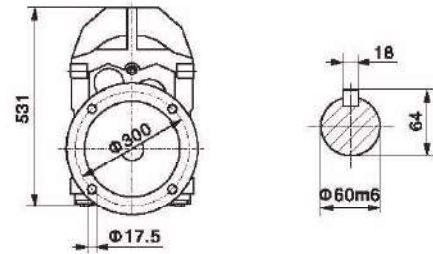
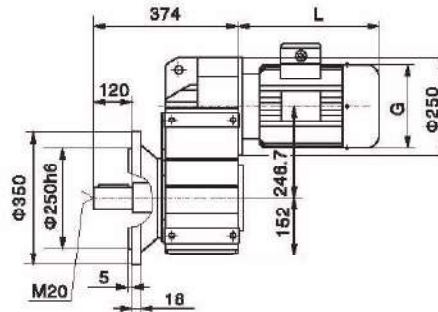
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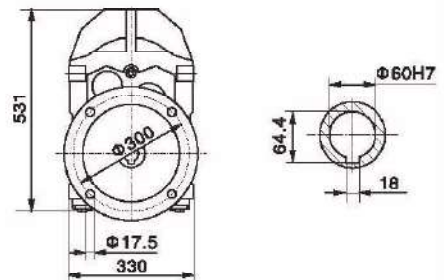
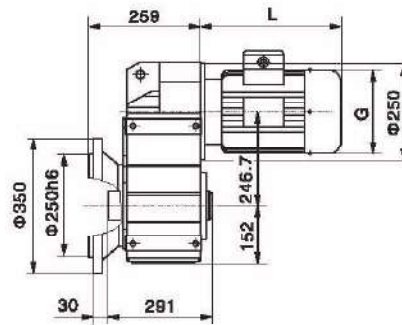
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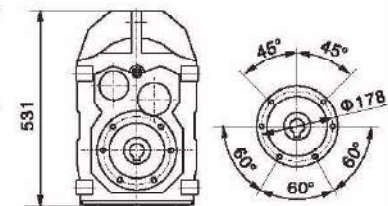
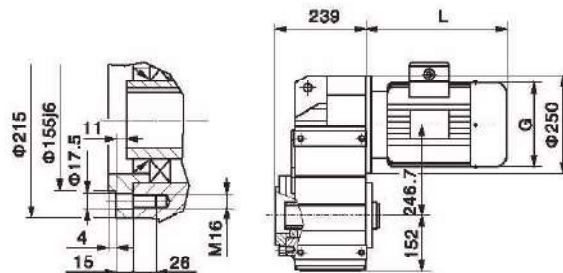
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AFAF87



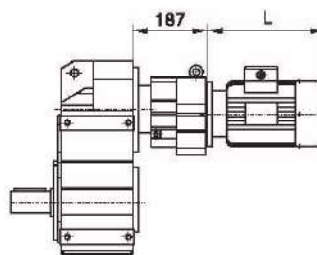
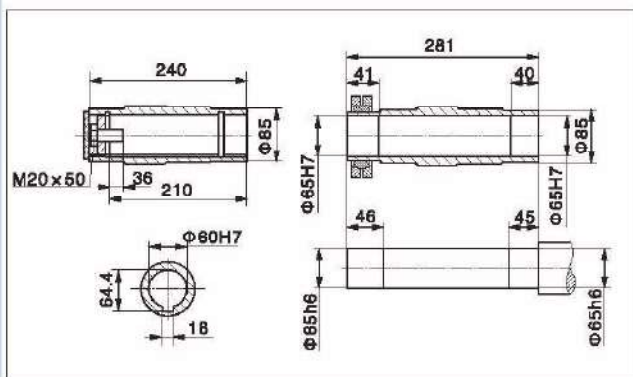
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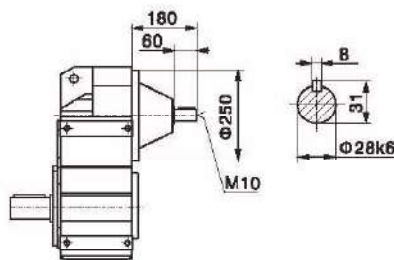
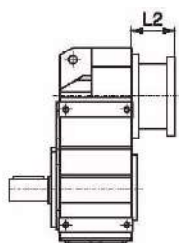
AF



AF..87AR57

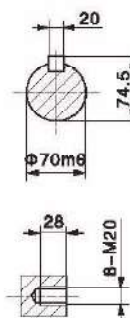
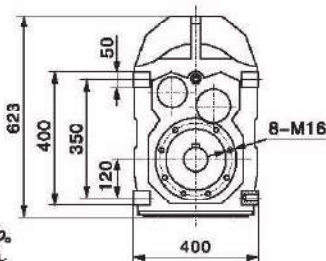
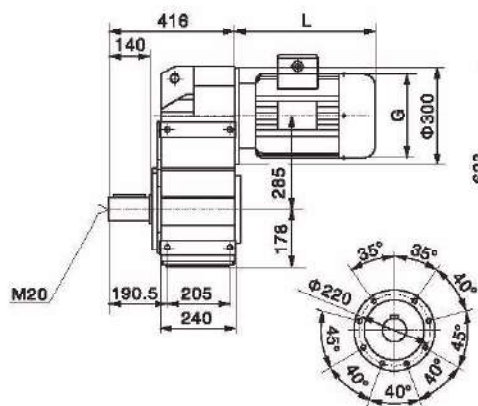


AF..S87

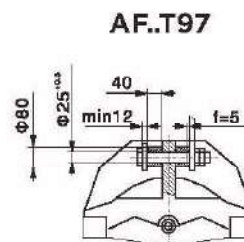
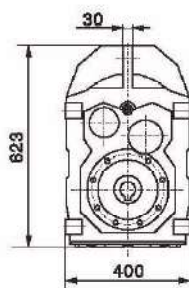
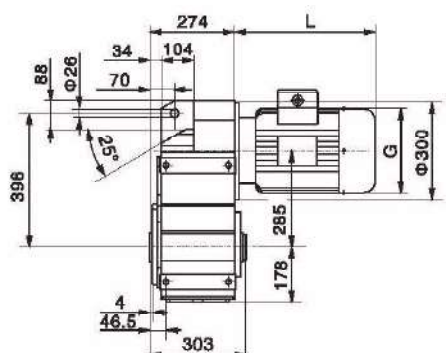


AF

AF97

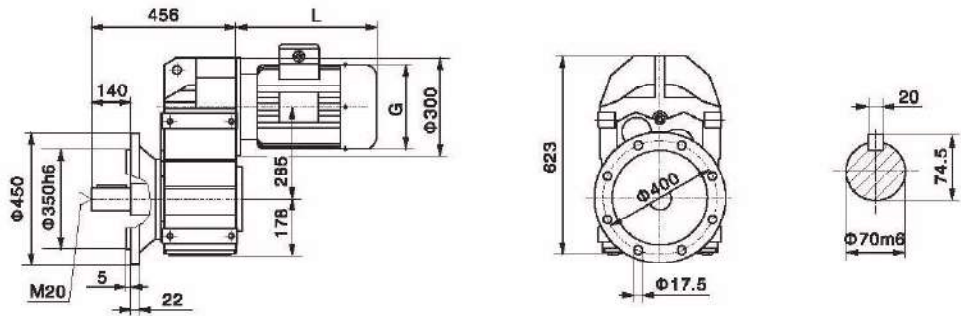


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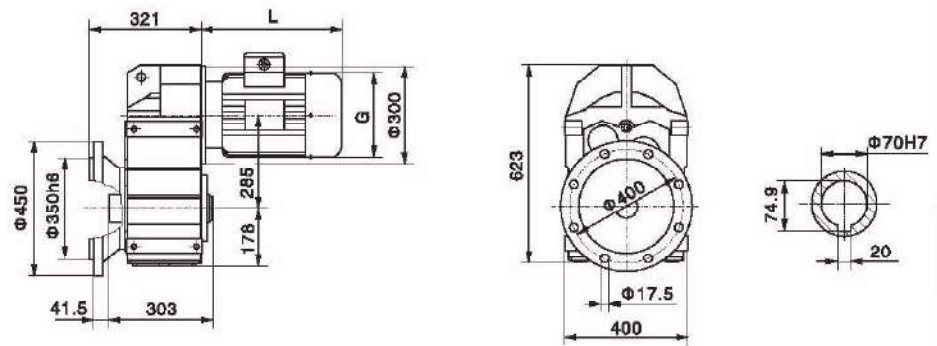




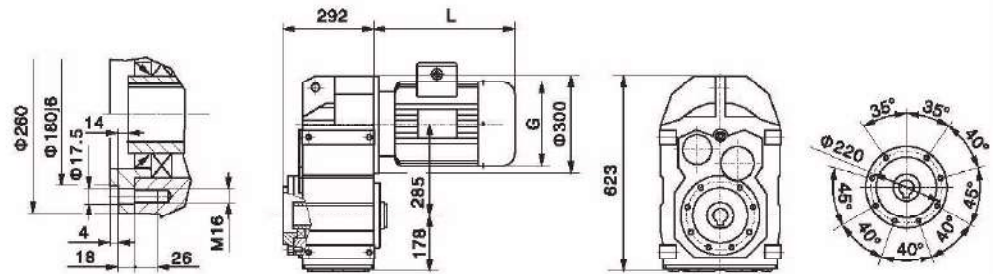
AFF97



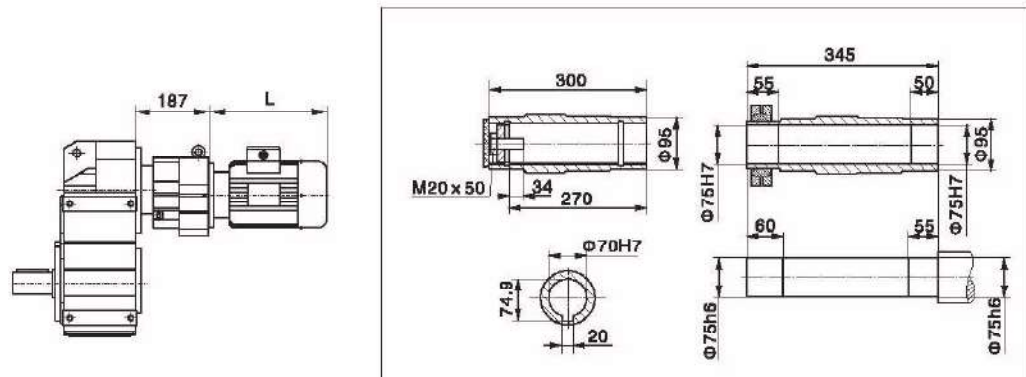
AFAF97



AFAZ97



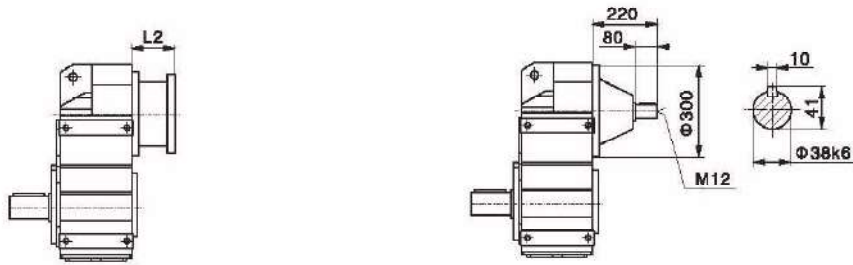
AF.97AR57



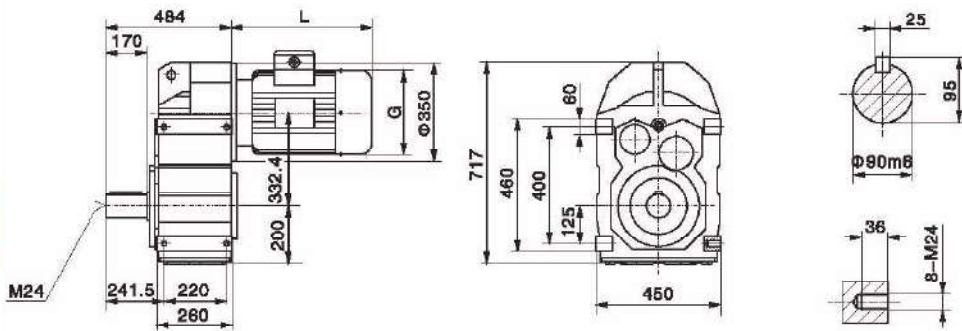
AF



AF..S97

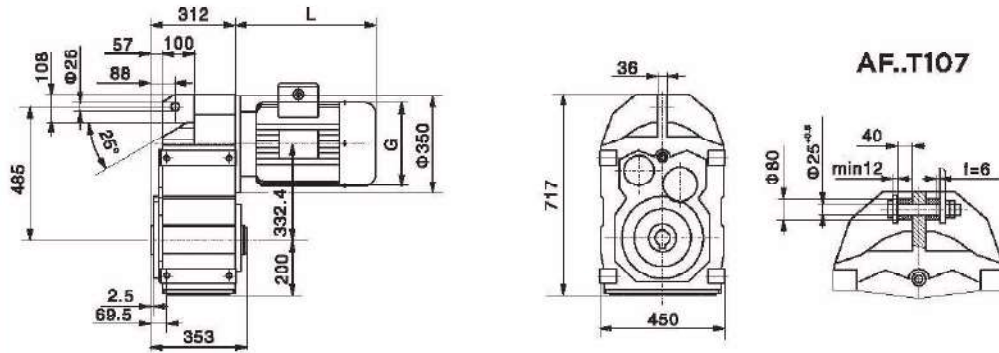


AF107



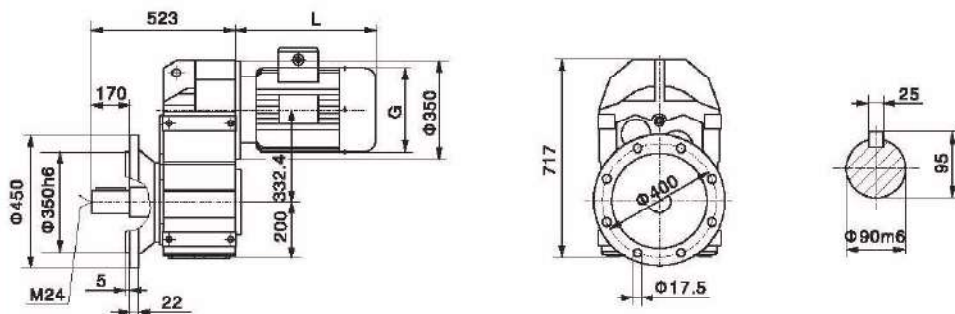
AF

AFA107



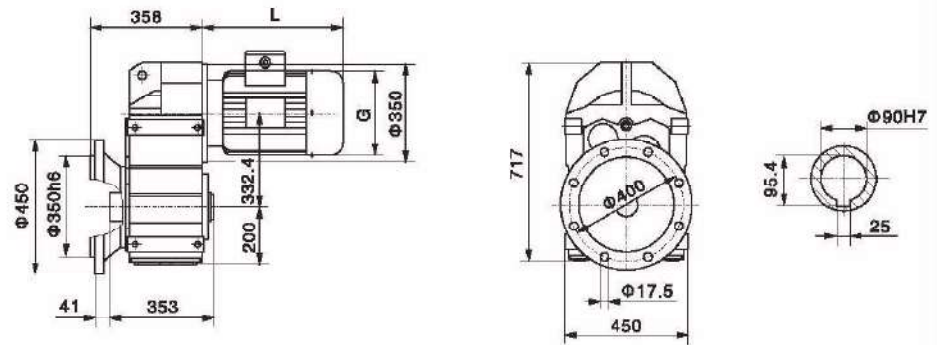
AF..T107

AFF107

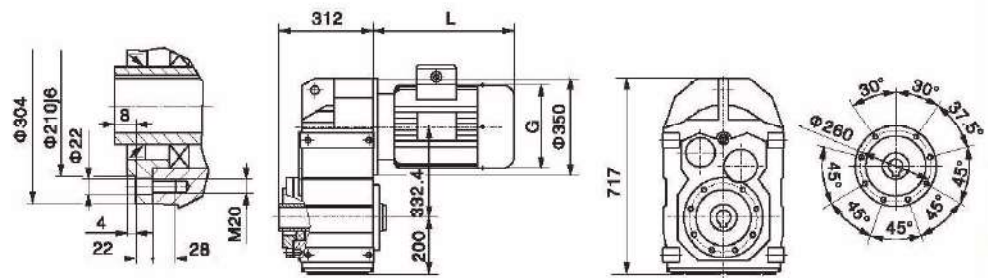




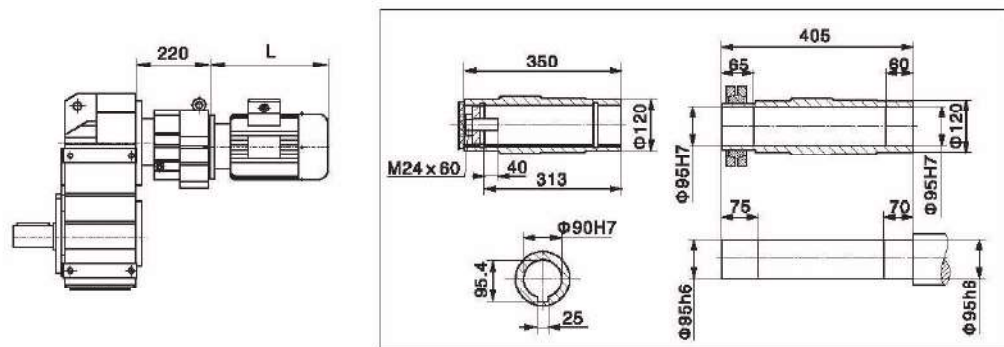
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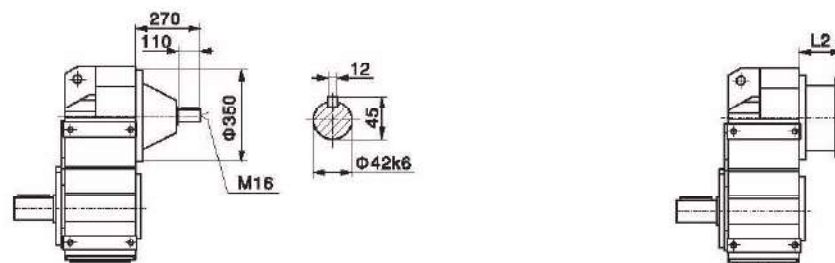
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AF..107AR77

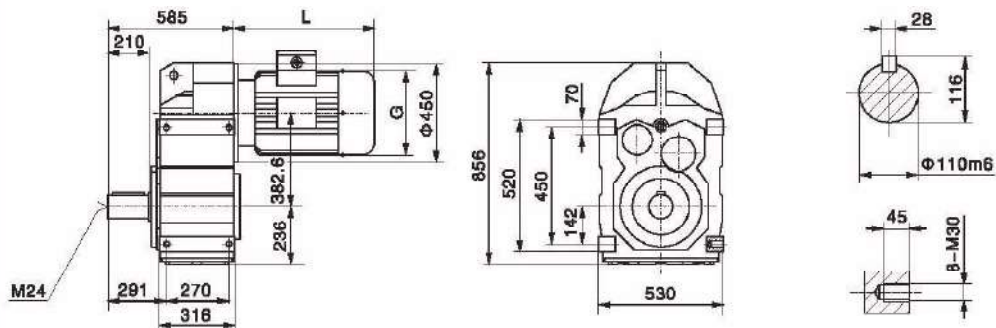


AF..S107

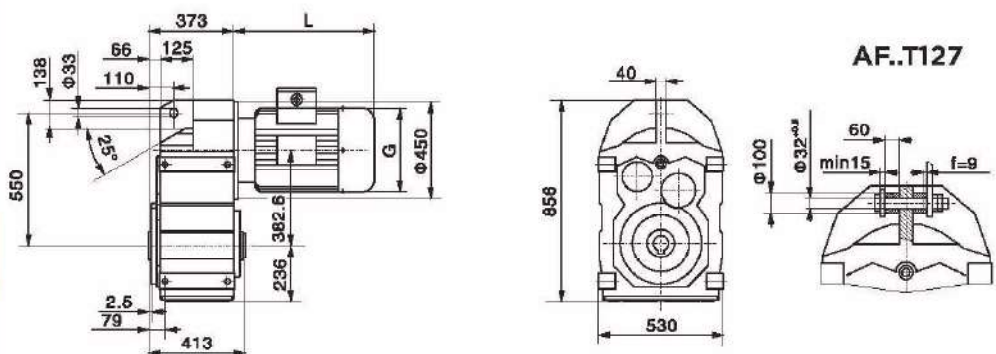




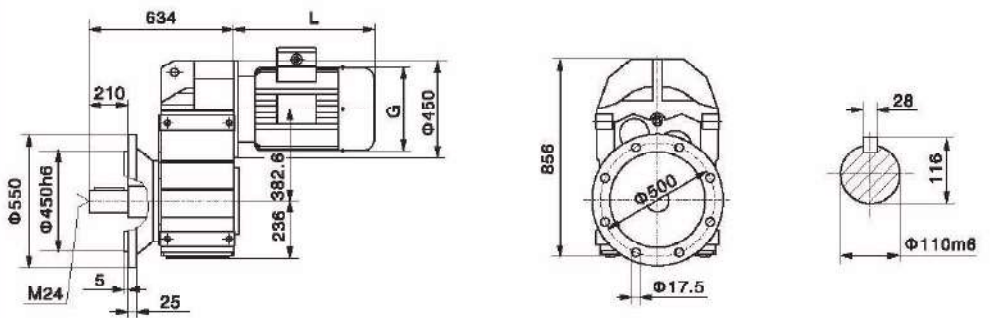
AF127



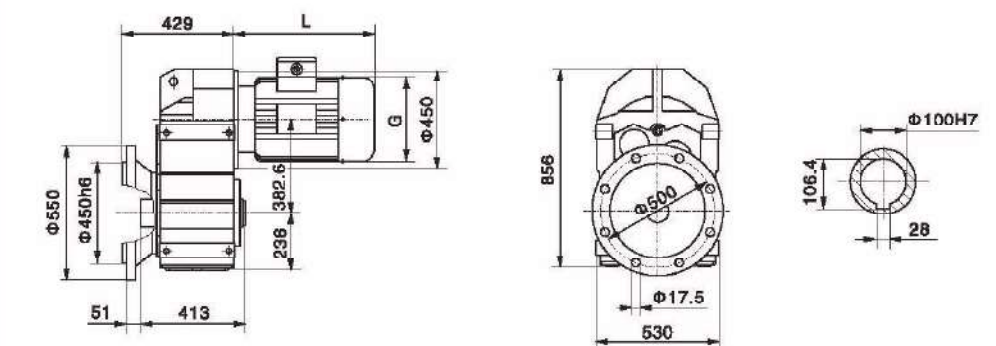
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AFF127



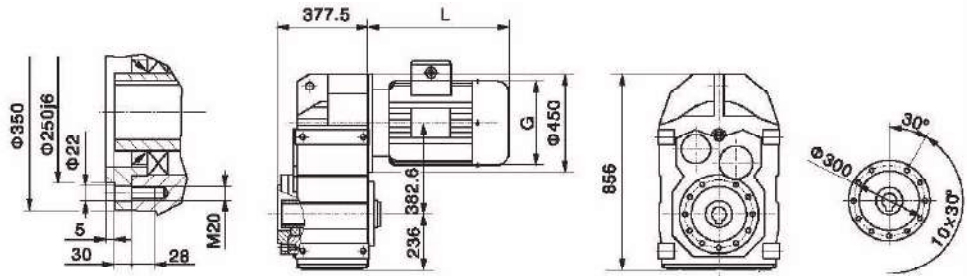
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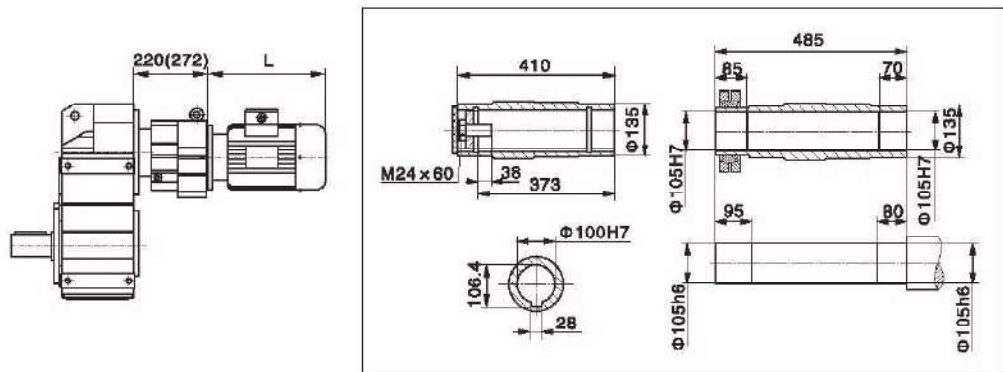
AF



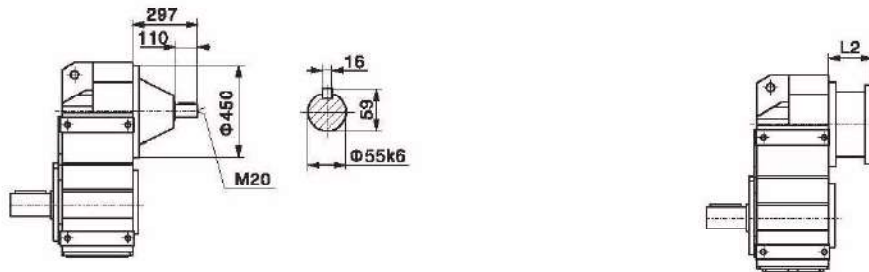
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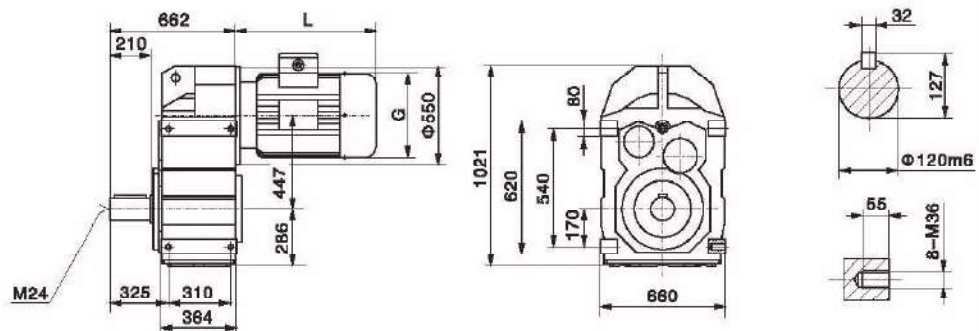
AF.127AR77(87)



AF..S127



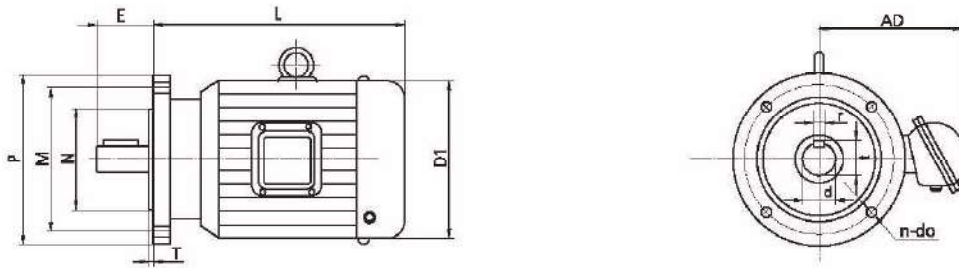
AF157



AF



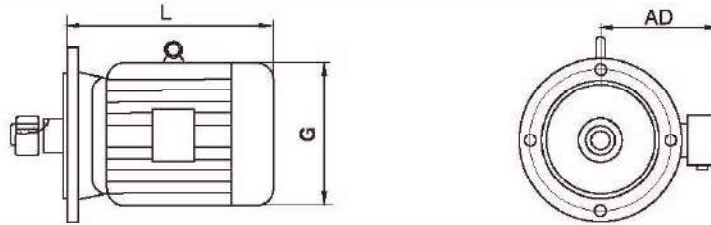
Appearance and Installation Size of Standard Electric Motor (B5)



Motor	Motor power and poles			Size												
	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, 67) AS(37, 47, 57, 67)			
				AR..71, AR77, AF7, AK77, AS77	233		
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)			
				AR(81, 91) AR(87, 97)	246		
				AF87 AK87			
				AS(87, 97)			
AGM90S	1.1	0.75	0.37	AR(51, 61, 71) AR(27, 37, 47, 57, 67, 77)	304	175	155
				AF(37, 47, 57, 67, 77) AK(37, 47, 57, 67, 77)			
				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)			
				AF(87, 97) AK(87, 97) AS(87, 97)			
AGM100	2.2 3	1.5	0.75 1.1	AR27, AR37, AF37, AF47, AK37, AS47, AS57	340	215	180
				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)			
				AR91, AR97, AF97, AK97, AS97	315		
				AR101, AR107, AF107, AK107	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(81, 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(87, 77, 87, 97)			
				AS(67, 77, 87, 97)			
				AR101, AR107, AF107, AK107	386		
				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)			
				AR101, AR107, AF107, AK107	422		
				AR137, AR147, AF127, AK127	424		

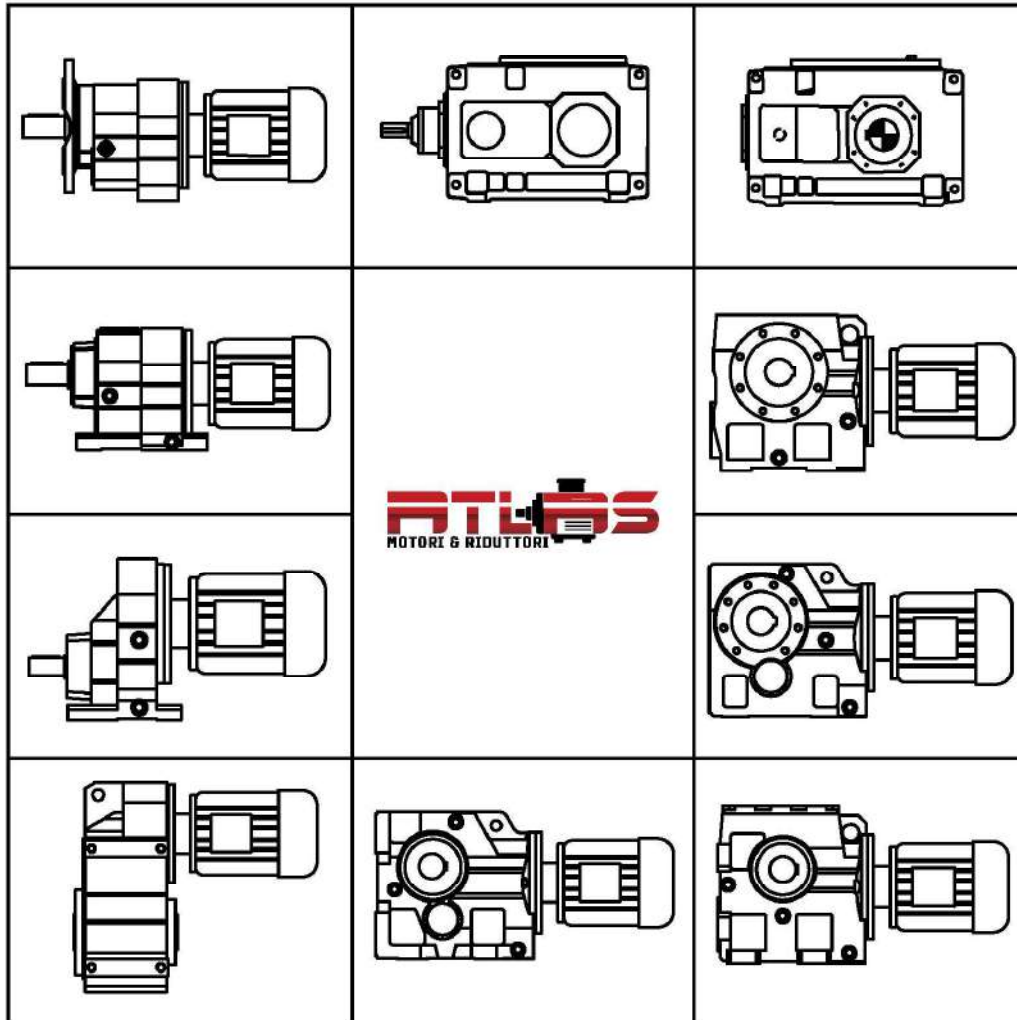


Appearance and Dimension of Direct Input Electric Motor for Helical Gearbox



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)	602		
				AF(127, 157)			
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		
				AR81, AR87, AF87, AK87, AS87	616		
AGM180L	22	15	11	AR(91, 101) AR(97, 107, 137) AF(97, 107) AK(97, 107) AS97	588	380	280
				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		
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	180	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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