

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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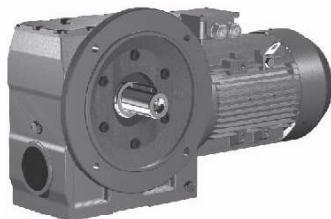
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Table of Motor's dimensions

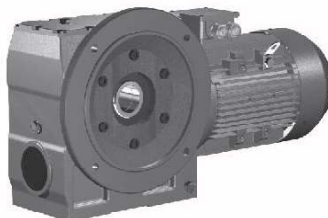


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AS SERIES HELICAL - WORM GEARMOTOR



Model ASF
B5-flange mounted Helical-Worm Gearmotor



Model ASAF
B5-flange mounted Helical-Worm Gearmotor with hollow shaft



Model ASA
Helical-Worm Gearmotor with hollow shaft



Model ASAT
Helical-Worm Gearmotor in torque-arm version with hollow shaft



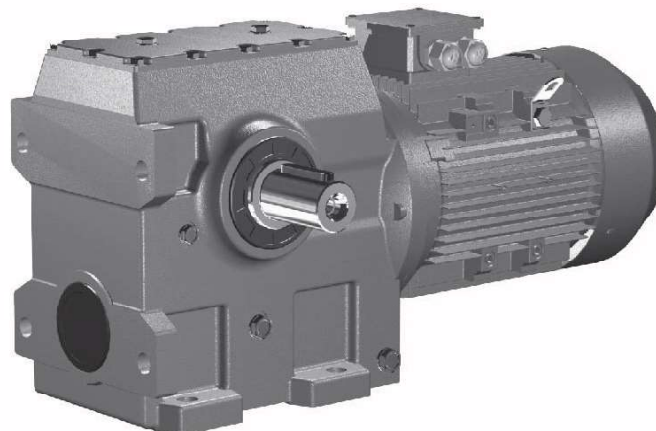
Model AS..AR
Combination of AS and AR..7 Gearmotor



Model AS..S
Solid Input Helical Worm Gearbox



Model ASAZ
Short-flange mounted Helical-Worm Gearmotor with hollow shaft



Model AS
Foot-mounted Helical-Worm 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:

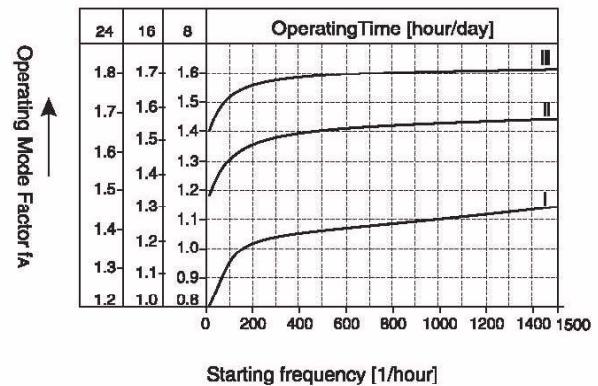
1. Working temperature: -40°C~50°C (The lubrication should be heated until above 0°C if the machine works Below 0°C.)
2. The working place should be lower than 1,000 meters above sea level.
3. The input rotational speed should not exceed 1,800/min The circumferential speed of the gear should not exceed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

Instructions for Selection:

The daily operating time, the starting frequency and the load classifications to 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.

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

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.



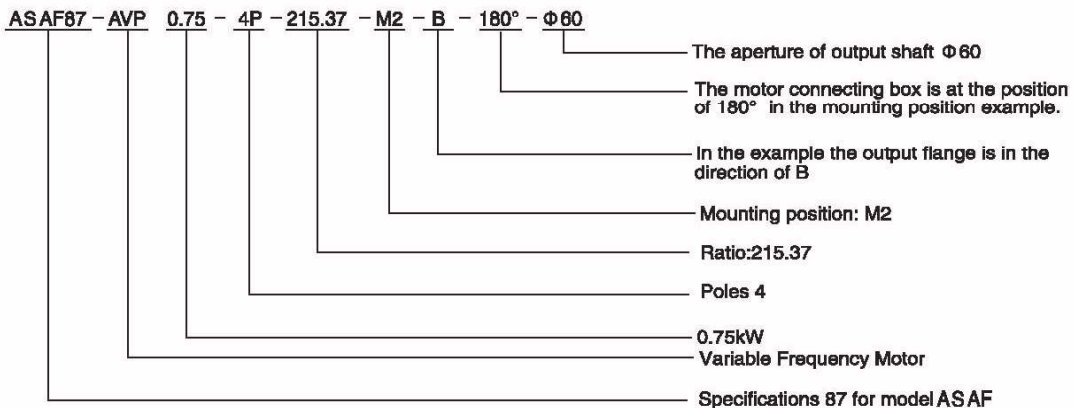
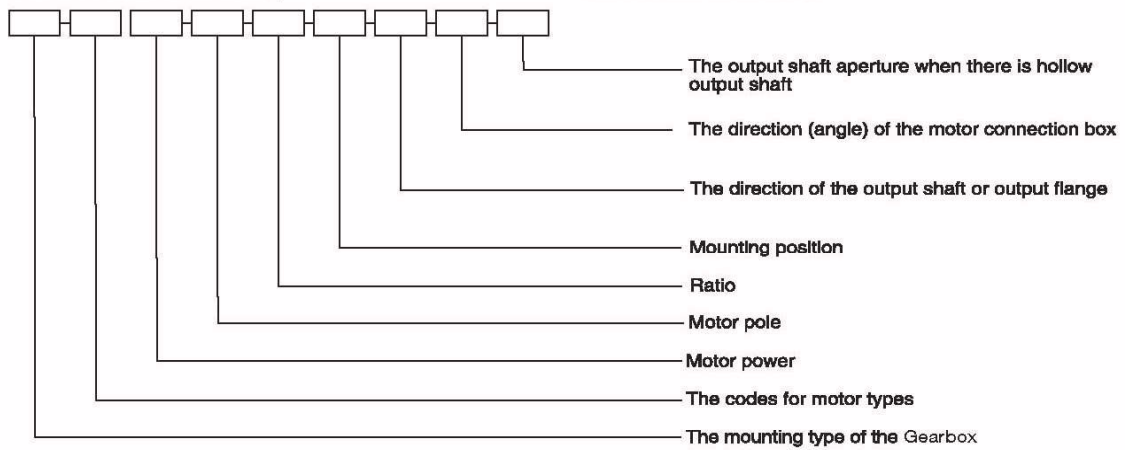
AS SERIES SPARE PARTS LIST

1. Housing
2. Cover plate
3. Circlip for hole
4. Output shaft
5. Grand
6. Output flange
7. Worm wheel
8. Worm
9. Bearing
10. Bearing
11. Circlip for hole
12. Circlip for shaft
13. Circlip for hole
14. Screw
15. First-stage big gear
16. Washer
17. Key
18. Oil gauge Oil plug
19. Key
20. Input gear shaft
20. Input gear shaft
21. Breather

Type, specification and model notation for AS series Helical Worm Gearmotor :

Types, specifications of this series Gearmotor have 7 Models AS 37, 47, 57, 67, 77, 87, 97 Gear Ratio: 6.8~288 which can be allocated to 0.18~37KW. 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. The mounting position of M1 as shown in the mounting position example is the default way when supplying Gearmotor unless otherwise specified.
5. Please contact our technical supporting department in case there's any special requirements on the output and input rotatory directions.
6. About Motor size, please check table of motor's dimensions.

Codes for Motor Types:

series	AGM	Flame-proof Motor	AEX	Direct Current Motor	Z
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 helical-worm gearmotor of AS.. Series

Motor frame size \ Reductor type	63	71	80	90	100	112	132	160	180
AS..37	61.5	61.5	80	80	—	—	—	—	—
AS..47	61.5	61.5	80	80	98	—	—	—	—
AS..57	61.5	61.5	80	80	98	—	—	—	—
AS..67	56	56	74.5	74.5	90.5	90.5	123	—	—
AS..77	50	50	68.5	68.5	82.5	82.5	111	152.5	—
AS..87	—	—	63.5	63.5	78.5	78.5	106	147.5	147.5
AS..97	—	—	57.5	57.5	72.5	72.5	101	142.5	142.5

AS

Symbol of Mounting Poission Example

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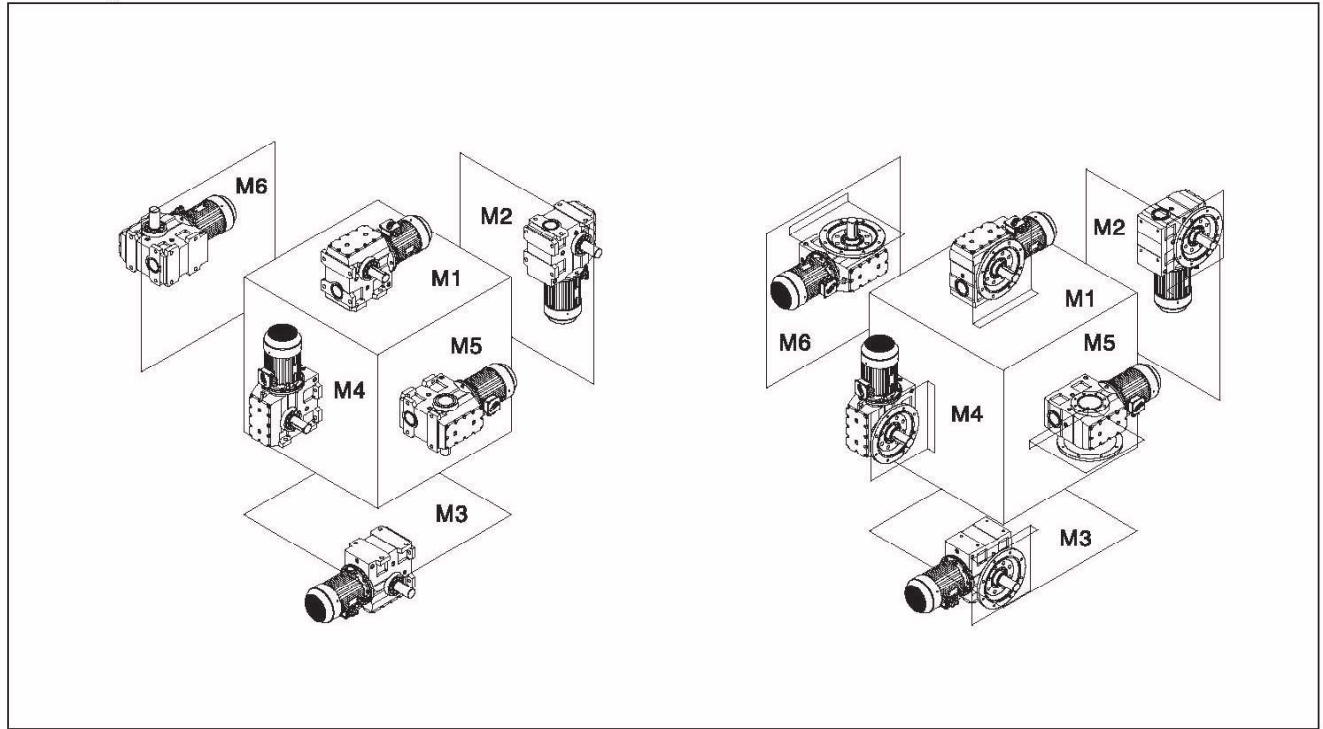
Explanation of Parameter Selection List

Power (kW)	Output speed (r/min)	Output torque (N · m)	Ratio (i)	Service factor (fB)	Type	Motor pole	Weight (kg)
0.75	4.8	972	292.00	2.2	AS 87	4P	121
	5.3	886	264.00	2.4	ASA 87	4P	119
	5.7	830	245.88	2.6	ASF 87	4P	141
	6.0	780	229.78	2.8	ASAF87	4P	136
	6.5	736	215.37	2.9			
	6.9	696	202.40	3.1			

1. The machine types in the parameter selection list can match any transmission ratio in the column.
2. The parameters in this list also fits model ASAZ, ASAT.



Mounting Position of Helical - Worm Gearmotor



AS series oil capacity table (Unit: Ltrs.)

AS

	M1	M2	M3	M4	M5	M6
AS37	0.2	0.3	0.4	0.5	0.3	0.3
AS47	0.3	0.6	0.5	0.8	0.6	0.6
AS57	0.5	1	0.9	1.3	1.1	1.1
AS67	0.8	1.9	2	2.7	2.2	2.2
AS77	1.6	3.5	3.1	5	3.7	3.7
AS87	2.6	6.5	5.5	9.6	6.7	6.7
AS97	5.3	11.7	10.5	17.6	13.3	13.3

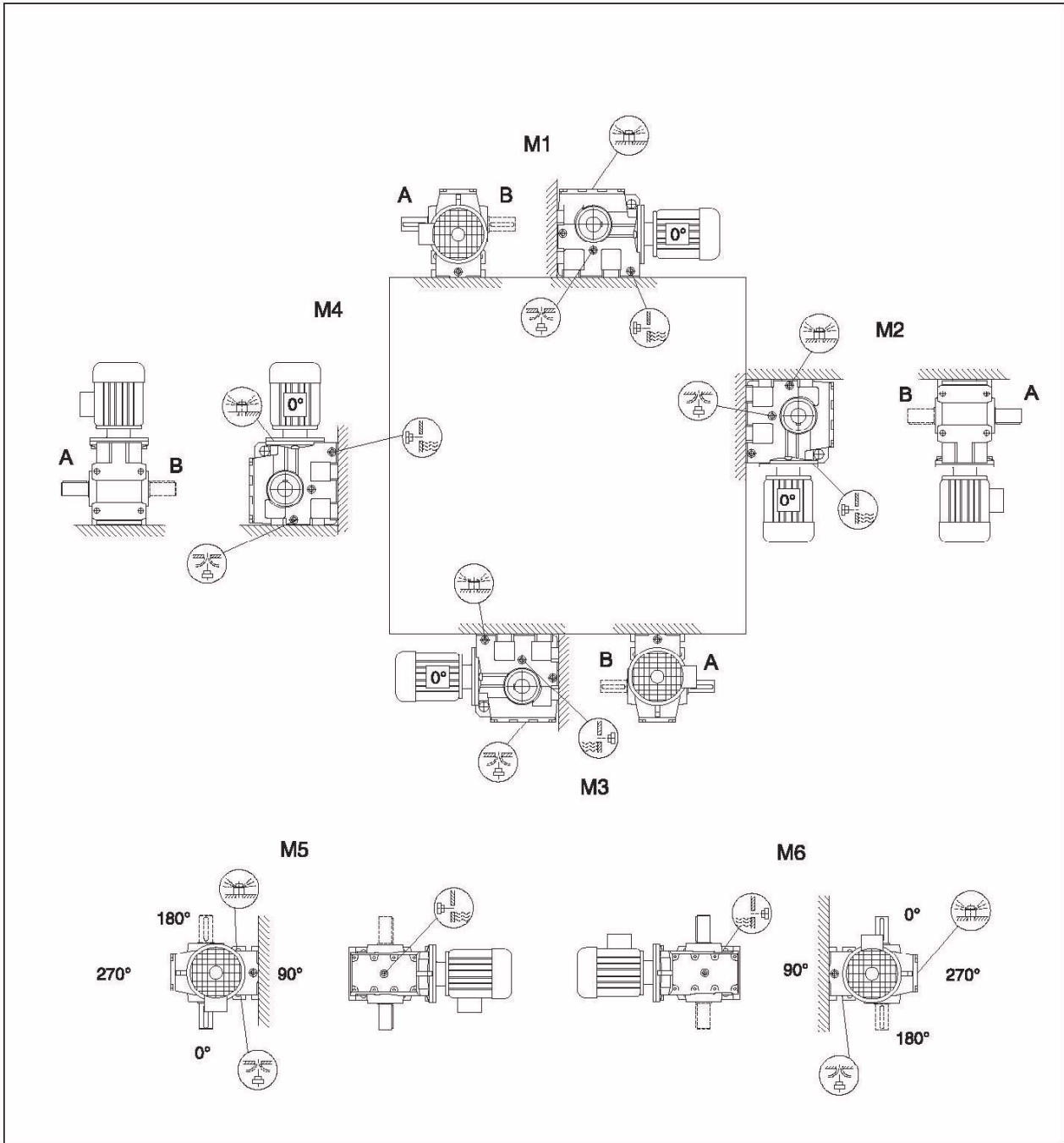
AS series weight table

Type	AS37	AS47	AS57	AS67	AS77	AS87	AS97
Weight (Kgs)	7.5	10	13.5	27	45	86	150

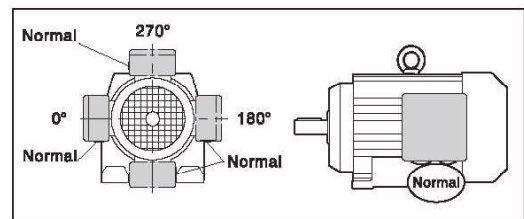
Note: Weight in the table means the weight when oil is not added. When input shaft is furnished, 10% weight should be added; If there is a motor, please add weight according to motor type.



AS37-97 Mounting position

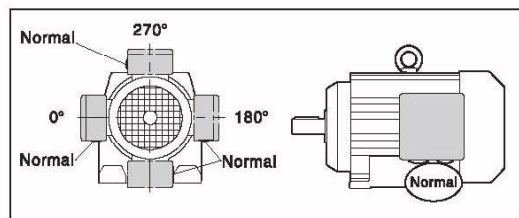
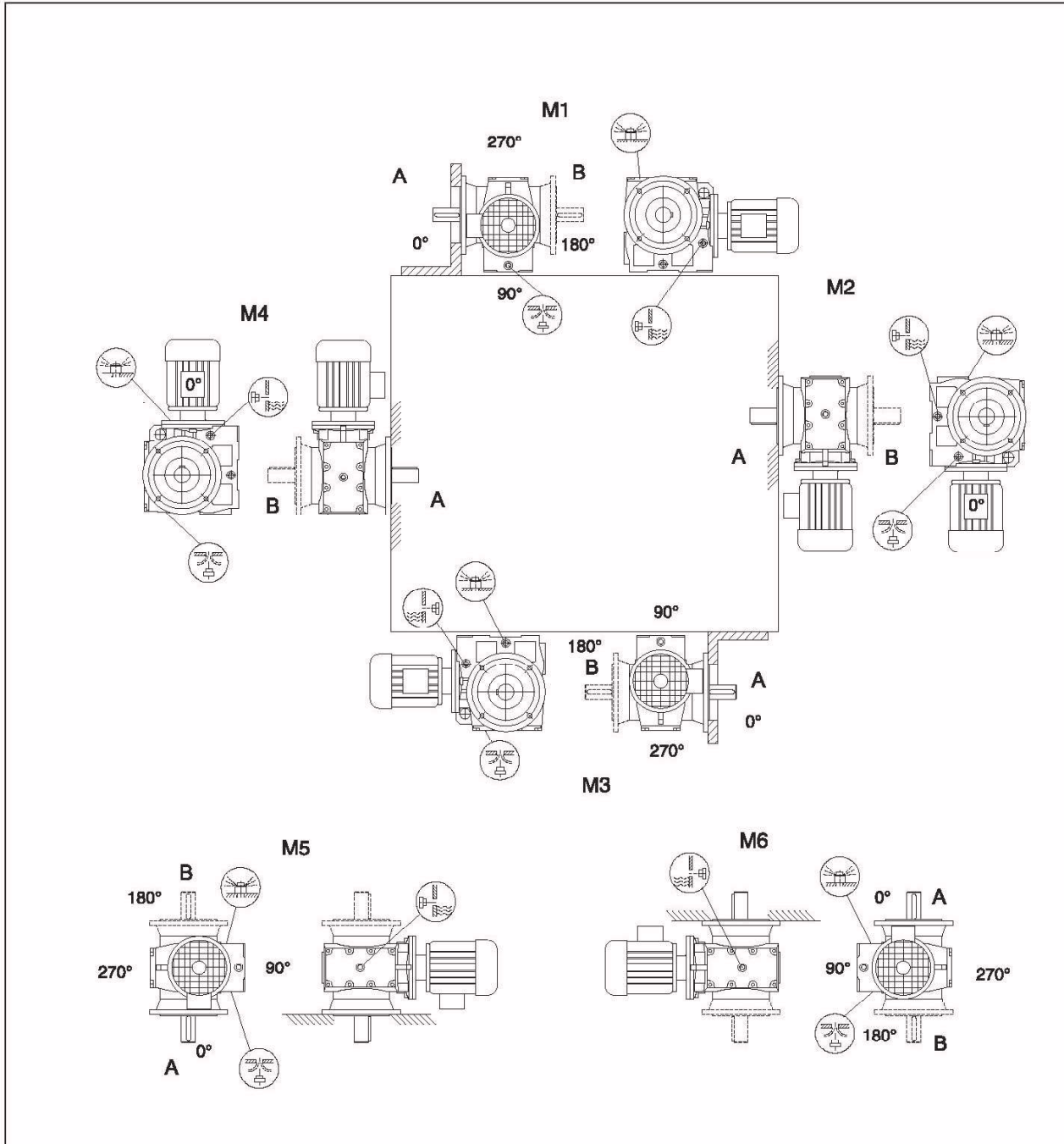


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ASF/ASAF/ASAZ37-97 Mounting position

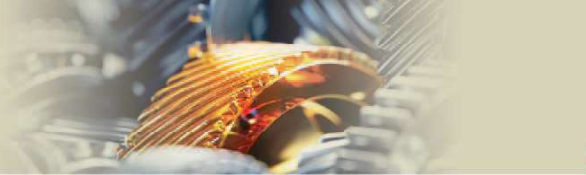


AS



AS37	Data Table 1400r/min			Torque M2 Max 92NM Output shaft (Hollow): 20mm Output shaft (Solid): 20mm		
	2 Stages		50Hz		60Hz	
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output speed(n2)	Torque (M2)	
6.80	0.12-1.5	205.88	43	247.06	36	0.95
8.00	0.12-1.5	175.00	45	210.00	38	0.95
9.02	0.12-1.5	155.21	46	186.25	38	0.95
10.23	0.12-1.5	136.85	47	164.22	39	0.95
10.91	0.12-1.5	128.32	48	153.99	40	0.95
12.48	0.12-1.5	112.18	48	134.62	40	0.95
13.39	0.12-1.5	104.56	49	125.47	41	0.95
15.53	0.12-0.75	90.15	50	108.18	42	0.95
18.24	0.12-0.37	76.75	52	92.11	43	0.95
19.13	0.55-1.5	73.18	52	87.82	43	0.95
19.89	0.12-0.37	70.39	74	84.46	62	0.95
22.50	0.12-1.5	62.22	73	74.67	61	0.95
25.38	0.12-1.5	55.16	74	66.19	62	0.95
28.76	0.12-1.5	48.68	75	58.41	63	0.95
30.68	0.12-1.5	45.63	76	54.76	63	0.95
35.10	0.12-1.5	39.89	78	47.86	65	0.95
37.66	0.12-1.5	37.17	79	44.61	66	0.95
43.68	0.12-0.75	32.05	81	38.46	68	0.95
51.30	0.12-0.37	27.29	81	32.75	68	0.95
53.83	0.55-1.5	26.01	81	31.21	68	0.95
55.93	0.12-0.37	25.03	80	30.04	67	0.95
63.33	0.12-1.5	22.11	82	26.53	68	0.95
71.44	0.12-1.5	19.60	84	23.52	70	0.95
80.96	0.12-1.5	17.29	85	20.75	71	0.95
86.36	0.12-1.5	16.21	86	19.45	72	0.95
98.80	0.12-1.5	14.17	87	17.00	73	0.95
106.00	0.12-1.5	13.21	88	15.85	73	0.95
122.94	0.12-0.75	11.39	91	13.67	76	0.95
144.40	0.12-0.37	9.70	92	11.63	77	0.95
157.43	0.12-0.37	8.89	92	10.67	77	0.95

AS



AS47		Data Table 1400r/min		Torque M2 Max 170NM Output shaft (Hollow):25/30mm 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)	
7.28	0.12-3.0	192.31	103	230.77	86	0.95
8.64	0.12-3.0	162.04	109	194.44	91	0.95
9.23	0.12-3.0	151.68	109	182.02	91	0.95
10.80	0.12-3.0	129.63	109	155.56	91	0.95
12.10	0.12-3.0	115.70	109	138.84	91	0.95
14.24	0.12-3.0	98.31	110	117.98	92	0.95
16.47	0.12-1.5	85.00	110	102.00	92	0.95
17.62	0.12-1.5	79.46	110	95.35	92	0.95
19.54	1.1-3.0	71.65	144	85.98	120	0.95
20.33	0.12-0.75	68.86	110	82.64	92	0.95
23.20	0.12-3.0	60.34	152	72.41	127	0.95
24.77	0.12-3.0	56.52	155	67.82	129	0.95
29.00	0.12-3.0	48.28	155	57.93	129	0.95
32.48	0.12-3.0	43.10	155	51.72	129	0.95
38.23	0.12-3.0	36.62	155	43.94	129	0.95
44.22	0.12-1.5	31.66	155	37.99	129	0.95
47.32	0.12-1.5	29.59	155	35.50	129	0.95
54.59	0.12-0.75	25.65	155	30.77	129	0.95
56.61	1.1-3.0	24.73	165	29.68	138	0.95
63.80	0.12-0.37	21.94	155	26.33	129	0.95
67.20	0.12-3.0	20.83	155	25.00	129	0.95
69.39	0.12-0.37	20.18	155	24.21	129	0.95
71.75	0.12-3.0	19.51	167	23.41	139	0.95
84.00	0.12-3.0	16.67	167	20.00	139	0.95
94.08	0.12-3.0	14.88	168	17.86	140	0.95
110.73	0.12-3.0	12.64	168	15.17	140	0.95
128.10	0.12-1.5	10.93	168	13.11	140	0.95
137.05	0.12-1.5	10.22	168	12.26	140	0.95
158.12	0.12-0.75	8.85	170	10.62	142	0.95
184.80	0.12-0.37	7.58	170	9.09	142	0.95
201.00	0.12-0.37	6.97	170	8.36	142	0.95

AS



AS57	Data Table 1400r/min			Torque M2 Max 295NM Output shaft (Hollow):30/35mm Output shaft (Solid): 30mm		
	2 Stages		50Hz		60Hz	
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output speed(n2)	Torque (M2)	
7.28	0.12-3.0	192.31	146	230.77	122	0.95
8.64	0.12-3.0	162.04	166	194.44	138	0.95
9.23	0.12-3.0	151.68	169	182.02	141	0.95
10.80	0.12-3.0	129.63	169	155.56	141	0.95
12.10	0.12-3.0	115.70	169	138.84	141	0.95
14.24	0.12-3.0	98.31	169	117.98	141	0.95
16.47	0.12-1.5	85.00	168	102.00	140	0.95
17.62	0.12-1.5	79.46	168	95.35	140	0.95
19.54	0.12-0.75	68.86	215	82.64	179	0.95
20.33	1.1-3.0	71.65	168	85.98	140	0.95
23.20	0.12-3.0	60.34	245	72.41	204	0.95
24.77	0.12-3.0	56.52	245	67.82	204	0.95
29.00	0.12-3.0	48.28	245	57.93	204	0.95
32.48	0.12-3.0	43.10	245	51.72	204	0.95
38.23	0.12-3.0	36.62	245	43.94	204	0.95
44.22	0.12-1.5	31.66	245	37.99	204	0.95
47.32	0.12-1.5	29.59	245	35.50	204	0.95
54.59	0.12-0.75	25.65	245	30.77	204	0.95
56.61	0.12-0.37	21.94	265	26.33	221	0.95
63.80	0.12-0.37	20.18	245	24.21	204	0.95
67.20	1.1-3.0	24.73	285	29.68	238	0.95
69.39	0.12-3.0	20.83	245	25.00	204	0.95
71.75	0.12-3.0	19.51	290	23.41	242	0.95
84.00	0.12-3.0	16.67	295	20.00	246	0.95
94.08	0.12-3.0	14.88	295	17.86	246	0.95
110.73	0.12-3.0	12.64	295	15.17	246	0.95
128.10	0.12-1.5	10.93	295	13.11	246	0.95
137.05	0.12-1.5	10.22	295	12.26	246	0.95
158.12	0.12-0.75	8.85	295	10.62	246	0.95
184.80	0.12-0.37	7.58	295	9.09	246	0.95
201.00	0.12-0.37	6.97	295	8.36	246	0.95

AS



AS67		Data Table 1400r/min		Torque M2 Max 520NM Output shaft (Hollow): 40/45mm 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)	
7.56	1.1-7.5	185.19	295	222.22	246	0.95
8.69	0.55-7.5	161.10	335	193.33	279	0.95
10.03	0.55-7.5	139.58	340	167.50	283	0.95
11.03	0.12-7.5	126.93	340	152.31	283	0.95
12.96	0.12-7.5	108.02	340	129.63	283	0.95
13.73	0.12-7.5	101.97	340	122.36	283	0.95
15.60	0.12-4.0	89.74	340	107.69	283	0.95
17.28	0.12-4.0	81.02	340	97.22	283	0.95
20.30	4.0-7.5	68.97	425	82.76	354	0.95
20.37	0.12-3.0	68.73	340	82.47	283	0.95
23.22	0.12-1.5	60.29	340	72.35	283	0.95
23.33	2.2-7.5	60.01	480	72.01	400	0.95
24.44	0.12-1.5	57.28	340	68.74	283	0.95
26.93	0.55-7.5	51.99	480	62.38	400	0.95
29.63	0.12-7.5	47.25	480	56.70	400	0.95
34.80	0.12-7.5	40.23	480	48.28	400	0.95
36.85	0.12-7.5	37.99	480	45.59	400	0.95
41.89	0.12-4.0	33.42	480	40.11	400	0.95
46.40	0.12-4.0	30.17	480	36.21	400	0.95
54.70	0.12-3.0	25.59	480	30.71	400	0.95
58.80	4.0-7.5	23.81	500	28.57	417	0.95
62.35	0.12-1.5	22.45	480	26.94	400	0.95
65.63	0.12-1.5	21.33	480	25.60	400	0.95
67.57	2.2-7.5	20.72	520	24.86	433	0.95
75.06	0.12-0.75	18.65	480	22.38	400	0.95
78.00	1.1-7.5	17.95	520	21.54	433	0.95
85.83	0.12-7.5	16.31	520	19.57	433	0.95
100.80	0.12-7.5	13.89	520	16.67	433	0.95
106.75	0.12-7.5	13.11	520	15.74	433	0.95
121.33	0.12-4.0	11.54	520	13.85	433	0.95
134.40	0.12-4.0	10.42	520	12.50	433	0.95
158.45	0.12-3.0	8.84	520	10.60	433	0.95
180.60	0.12-1.5	7.75	520	9.30	433	0.95
190.11	0.12-1.5	7.36	520	8.84	433	0.95
217.41	0.12-0.75	6.44	520	7.73	433	0.95

AS



AS77		Data Table 1400r/min		Torque M2 Max 1270NM Output shaft (Hollow):50/60mm Output shaft (Solid): 45mm		
2 Stages		50Hz		60Hz		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output speed(n2)	Torque (M2)	
8.06	1.1-15	173.70	680	208.44	567	0.95
9.44	1.1-15	148.31	725	177.97	604	0.95
10.65	1.1-15	131.46	720	157.75	600	0.95
12.07	0.55-15	115.99	720	139.19	600	0.95
13.76	0.55-15	101.74	710	122.09	592	0.95
15.28	0.12-7.5	91.62	710	109.95	592	0.95
17.45	0.12-7.5	80.23	710	96.28	592	0.95
18.42	0.12-7.5	76.00	705	91.21	588	0.95
18.97	5.5-15	73.80	930	88.56	775	0.95
20.99	0.12-4.0	66.70	705	80.04	588	0.95
22.22	5.5-15	63.01	980	75.61	817	0.95
22.89	0.12-4.0	61.16	705	73.39	588	0.95
25.07	1.1-15	55.84	1020	67.01	850	0.95
28.41	0.12-4.0	49.28	1050	59.13	875	0.95
32.38	0.55-1.5	43.24	1090	51.88	908	0.95
35.94	0.12-7.5	38.95	1100	46.74	917	0.95
41.07	0.12-7.5	34.09	1100	40.91	917	0.95
43.33	0.12-7.5	32.31	1100	38.77	917	0.95
49.38	0.12-4.0	28.35	1100	34.02	917	0.95
53.87	0.12-4.0	25.99	1100	31.19	917	0.95
56.92	1.1-15	24.60	990	29.52	825	0.95
63.03	0.12-3.0	22.21	1040	26.65	867	0.95
66.67	1.1-15	21.00	1100	25.20	917	0.95
71.33	0.12-15	19.63	1100	23.55	917	0.95
75.09	0.12-15	18.64	1040	22.37	867	0.95
75.20	2.2-15	18.62	1070	22.34	892	0.95
85.22	0.55-15	16.43	1100	19.71	917	0.95
97.14	0.55-15	14.41	1140	17.29	950	0.95
107.83	0.12-7.5	12.98	1170	15.58	975	0.95
123.20	0.12-7.5	11.36	1200	13.64	1000	0.95
130.00	0.12-7.5	10.77	1210	12.92	1008	0.95
148.15	0.12-4.0	9.45	1240	11.34	1033	0.95
161.60	0.12-4.0	8.66	1260	10.40	1050	0.95
189.09	0.12-3.0	7.40	1270	8.88	1058	0.95
214.00	0.12-1.5	6.54	1270	7.85	1058	0.95
225.26	0.12-1.5	6.22	1270	7.46	1058	0.95
256.47	0.12-0.75	5.46	1270	6.55	1058	0.95

AS



AS87		Data Table 1400r/min		Torque M2 Max 2280NM Output shaft (Hollow):60/70mm Output shaft (Solid): 60mm		
2 Stages		50Hz		60Hz		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output speed(n2)	Torque (M2)	
7.88	5.5-22	177.66	1010	213.20	842	0.95
9.07	2.2-22	154.36	1140	185.23	950	0.95
10.93	2.2-22	128.09	1240	153.71	1033	0.95
12.21	1.1-22	114.66	1240	137.59	1033	0.95
14.06	1.1-22	99.57	1240	119.49	1033	0.95
15.64	1.1-22	89.51	1240	107.42	1033	0.95
17.49	0.55-15	80.05	1240	96.05	1033	0.95
19.70	0.55-15	71.07	1240	85.28	1033	0.95
20.27	0.55-15	69.07	1600	82.88	1333	0.95
21.43	0.55-7.5	65.33	1240	78.39	1033	0.95
24.43	11-22.0	57.31	1600	68.77	1333	0.95
25.50	0.55-7.5	54.90	1240	65.88	1033	0.95
27.28	1.1-22	51.32	1600	61.58	1333	0.95
31.43	1.1-22	44.54	1600	53.45	1333	0.95
34.96	1.1-22	40.05	1600	48.05	1333	0.95
39.10	0.55-15	35.81	1600	42.97	1333	0.95
44.03	0.55-15	31.80	1600	38.16	1333	0.95
47.91	0.55-7.5	29.22	1600	35.07	1333	0.95
57.00	0.55-7.5	24.56	1600	29.47	1333	0.95
64.00	0.55-4.0	21.88	1700	26.25	1417	0.95
64.27	0.55-4.0	21.78	1600	26.14	1333	0.95
70.43	0.55-4.0	19.88	1600	23.85	1333	0.95
77.14	2.2-22	18.15	1820	21.78	1517	0.95
81.76	0.55-3.0	17.12	1600	20.55	1333	0.95
86.15	1.1-22	16.25	1880	19.50	1567	0.95
91.20	0.55-1.5	15.35	1510	18.42	1258	0.95
99.26	1.1-22	14.10	1960	16.93	1633	0.95
110.40	1.1-22	12.68	2000	15.22	1667	0.95
123.48	0.55-15	11.34	2060	13.61	1717	0.95
139.05	0.55-15	10.07	2100	12.08	1750	0.95
151.30	0.55-7.5	9.25	2150	11.10	1792	0.95
180.00	0.55-7.5	7.78	2210	9.33	1842	0.95
202.96	0.55-4.0	6.90	2260	8.28	1883	0.95
222.40	0.55-4.0	6.29	2280	7.55	1900	0.95
258.18	0.55-3.0	5.42	2280	6.51	1900	0.95
288.00	0.55-1.5	4.86	2280	5.83	1900	0.95

AS



AS97		Data Table 1400r/min		Torque M2 Max 4000NM Output shaft (Hollow):70/90mm Output shaft (Solid): 70mm		
2 Stages		50Hz		60Hz		Eff. (RD)
Ratio (i)	Nominal Power min-max (kW1)	Output Speed (n2)	Torque (M2)	Output speed(n2)	Torque (M2)	
8.26	5.5-30	169.49	1770	203.39	1475	0.95
9.55	5.5-30	146.60	2040	175.92	1700	0.95
11.41	5.5-30	122.70	2210	147.24	1842	0.95
13.07	2.2-30	107.12	2330	128.54	1942	0.95
15.42	2.2-30	90.79	2470	108.95	2058	0.95
17.05	1.1-30	82.11	2570	98.53	2142	0.95
19.23	1.1-22	72.80	2600	87.36	2167	0.95
21.23	1.1-22	65.94	2600	79.13	2167	0.95
23.59	0.55-15	59.35	2600	71.22	2167	0.95
24.13	18.5-30	58.02	2870	69.62	2392	0.95
26.39	0.55-15	53.05	2600	63.66	2167	0.95
27.63	18.5-30	50.67	3010	60.80	2508	0.95
32.60	2.2-30	42.94	3200	51.53	2667	0.95
36.05	1.1-30	38.83	3300	46.60	2750	0.95
40.65	1.1-22	34.44	3300	41.33	2750	0.95
44.89	1.1-22	31.19	3300	37.42	2750	0.95
49.87	0.55-15	28.07	3300	33.69	2750	0.95
55.79	0.55-15	25.09	3300	30.11	2750	0.95
60.59	0.55-7.5	23.11	3300	27.73	2750	0.95
65.45	5.5-30	21.39	2900	25.67	2417	0.95
71.43	0.55-7.5	19.60	3300	23.52	2750	0.95
78.26	5.5-30	17.89	3080	21.47	2567	0.95
80.85	0.55-4.0	17.32	3230	20.78	2692	0.95
89.60	2.2-30	15.63	3240	18.75	2700	0.95
105.71	2.2-30	13.24	3440	15.89	2867	0.95
116.92	1.1-30	11.97	3510	14.37	2925	0.95
131.85	1.1-15	10.62	3650	12.74	3042	0.95
145.60	1.1-15	9.62	3730	11.54	3108	0.95
161.74	0.55-15	8.66	3840	10.39	3200	0.95
180.95	0.55-15	7.74	3920	9.28	3267	0.95
196.52	0.55-7.5	7.12	4000	8.55	3333	0.95
231.67	0.55-7.5	6.04	4000	7.25	3333	0.95
262.22	0.55-4.0	5.34	4000	6.41	3333	0.95
286.40	0.55-4.0	4.89	4000	5.87	3333	0.95

AS



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						0.12KW					
0.12	4610	11267	0.90	AS97	AR57	6.9	95	201.00	1.80		
0.14	4210	10078	1.00	ASF97	AR57	7.5	89	184.80	1.90	AS47	
0.16	3500	8608	1.20	ASA97	AR57	8.7	77	158.12	2.2	ASF47	4P
0.18	3090	7554	1.35	ASAF97	AR57	10	68	137.05	2.5	ASA47	
						11	64	128.10	2.6	ASAF47	
						12	57	110.73	3.0		
0.18	3120	7643	0.80			5.7	107	157.43	0.85		
0.21	2630	6706	0.95	AS87	AR57	6.2	99	144.40	0.95	AS37	
0.23	2330	5875	1.05	ASF87	AR57	7.3	86	122.94	1.05	ASF37	6P
0.27	1960	5187	1.25	ASA87	AR57	8.5	76	106.00	1.20	ASA37	
0.30	1740	4606	1.45	ASAF87	AR57	9.1	71	98.80	1.30	ASAF37	
0.36	1450	3872	1.70			10	64	86.36	1.45		
0.39	1340	3540	0.95			8.8	74	157.43	1.25		
0.45	1170	3098	1.10			9.6	68	144.40	1.35		
0.58	1280	2374	0.95	AS77	AR37	11	60	122.94	1.55		
0.66	1130	2083	1.10	ASF77	AR37	13	52	106.00	1.70		
0.76	960	1813	1.30	ASA77	AR37	14	49	98.80	1.75		
0.79	910	1745	1.35	ASAF77	AR37	16	44	86.36	1.95		
0.86	840	1600	1.50			17	41	80.96	2.1		
0.98	735	1404	1.70			19	37	71.44	2.3		
1.1	645	1245	1.90			22	33	63.33	2.5	AS37	
1.0	665	1363	0.85			25	35	55.93	2.3	ASF37	4P
1.2	575	1194	1.00			27	33	51.30	2.5	ASA37	
1.3	515	1045	1.10			32	28	43.68	2.9	ASAF37	
1.5	445	914	1.30	AS67	AR37	37	25	37.66	3.2		
1.7	400	809	1.40	ASF67	AR37	39	23	35.10	3.4		
1.9	355	712	1.60	ASA67	AR37	45	20	30.68	3.7		
2.2	295	615	1.95	ASAF67	AR37	48	19	28.76	3.9		
2.5	265	543	2.2			54	17	25.38	4.3		
2.9	220	469	2.6			61	15	22.50	4.8		
3.3	197	424	2.9			69	14	19.89	3.6		
3.8	180	365	3.2			76	13	18.24	3.9		
						89	11	15.53	4.4		
2.1	315	655	0.95			0.18KW					
2.4	275	574	1.10			0.29	2970	4606	0.85		
2.7	240	506	1.25	AS57	AR17	0.34	2480	3872	1.00		
3.2	210	438	1.45	ASF57	AR17	0.38	2350	3475	1.05		
3.6	183	388	1.65	ASA57	AR17	0.45	1970	2905	1.10	AS87	AR57
4.1	163	336	1.85	ASAF57	AR17	0.51	1710	2586	1.25	ASF87	AR57
4.7	140	294	2.1			0.57	1520	2335	1.45	ASA87	AR57
5.1	134	269	2.2			0.64	1320	2054	1.90	ASAF87	AR57
						0.72	1170	1824	2.1		
						0.81	1050	1631	2.4		
3.2	210	438	0.90			0.94	1220	1404	1.00		
3.6	183	388	1.00			1.1	1070	1245	1.15		
4.1	162	336	1.15	AS47	AR17	1.2	990	1100	1.25	AS77	AR37
4.7	139	294	1.35	ASF47	AR17	1.4	850	954	1.45	ASF77	AR37
5.4	95	257	1.95	ASA47	AR17	1.6	745	837	1.65	ASA77	AR37
6.0	113	229	1.65	ASAF47	AR17	1.9	625	714	2.0	ASAF77	AR37
6.9	99	200	1.90			2.1	555	637	2.2		
7.4	92	187	2.0			2.3	500	574	2.5		
6.8	99	202	0.95			1.6	660	809	0.85		
7.7	88	179	1.05	AS37	AR17	1.9	580	712	1.00	AS67	AR37
8.7	78	158	1.15	ASF37	AR17	2.2	490	615	1.15	ASF67	AR37
9.6	72	144	1.25	ASA37	AR17	2.4	440	543	1.30	ASA67	AR37
12	59	118	1.55	ASAF37	AR17	2.8	370	469	1.55	ASAF67	AR37
13	55	110	1.65			3.1	335	424	1.70		
						3.6	295	365	1.90		
4.5	143	201.00	2.1	AS57		3.0	345	438	0.85	AS57	AR17
4.9	133	184.80	2.2	ASF57		3.4	305	388	1.00	ASF57	AR17
5.7	116	158.12	2.5	ASA57	6P	3.9	270	336	1.10	ASA57	AR17
6.6	103	137.05	2.9	ASAF57		4.5	235	264	1.30	ASAF57	AR17
						4.9	220	269	1.35		
4.5	138	201.00	1.30								
4.9	129	184.80	1.40	AS47							
5.7	112	158.12	1.55	ASF47	4P						
6.6	99	137.05	1.75	ASA47							
7.0	93	128.10	1.85	ASAF47							

AS



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						0.25KW					
5.8	188	229	1.60	AS57 AR17	4P	0.45	2860	2905	0.85	AS87 AR57 ASF87 AR57 ASA87 AR57 ASAF87 AR57	4P
6.5	169	204	1.80	ASF57 AR17		0.50	2500	2586	1.00		
7.1	154	187	1.95	ASA57 AR17		0.63	2240	2335	1.10		
				ASAF57 AR17		0.71	1950	2054	1.30		
4.5	230	294	0.80	AS47 AR17 ASF47 AR17 ASA47 AR17 ASAF47 AR17	4P	0.80	1550	1631	1.60	AS77 AR37 ASF77 AR37 ASA77 AR37 ASAF77 AR37	4P
5.1	158	257	1.15			1.4	1230	954	1.00		
5.8	185	229	1.00			1.5	1080	837	1.15		
6.6	162	200	1.15			1.8	910	714	1.35		
7.1	152	187	1.20			2.0	810	637	1.55		
8.0	134	165	1.40			2.3	730	574	1.70		
8.9	121	148	1.55			2.6	625	499	2.0		
10	108	131	1.70	AS67 ASF67 ASA67 ASAF67	6P	2.4	635	543	0.90	AS67 AR37 ASF67 AR37 ASA67 AR37 ASAF67 AR37	4P
4.0	255	217.41	2.2			2.8	540	469	1.05		
4.6	225	190.11	2.5			3.1	485	424	1.15		
4.8	215	180.60	2.6			3.6	430	365	1.30		
4.3	220	201.00	1.35	AS57	6P	4.1	375	319	1.50	AS57 AR17 ASF57 AR17 ASA57 AR17 ASAF57 AR17	4P
4.7	205	184.80	1.45	ASF57		4.6	330	281	1.75		
5.5	180	158.12	1.65	ASA57		4.4	340	294	0.90		
6.3	159	137.05	1.85	ASAF57		4.8	315	269	0.95		
6.6	154	201.00	1.90	AS57	4P	5.7	270	229	1.10	AS57 AR17 ASF57 AR17 ASA57 AR17 ASAF57 AR17	4P
7.1	143	184.80	2.1	ASF57		6.4	245	204	1.25		
8.4	125	158.12	2.4	ASA57		6.9	225	187	1.35		
9.6	110	137.05	2.7	ASAF57		7.9	198	165	1.50		
4.3	215	201.00	0.85	AS47	6P	9.9	159	131	1.90	AS67 ASF67 ASA67 ASAF67	8P
4.7	199	184.80	0.90	ASF47		3.1	435	217.41	1.30		
5.5	173	158.12	1.00	ASA47		3.6	390	190.11	1.45		
6.3	153	137.05	1.10	ASAF47		3.8	370	180.60	1.50		
6.8	144	128.10	1.20	AS47 ASF47 ASA47 ASAF47	4P	4.3	330	158.45	1.70	AS67 ASF67 ASA67 ASAF67	6P
6.6	149	201.00	1.15			4.1	350	217.41	1.60		
7.1	138	184.80	1.25			4.6	310	190.11	1.80		
8.4	121	158.12	1.40			4.9	295	180.60	1.90		
9.6	107	137.05	1.60			5.6	265	158.45	2.1		
10	100	128.10	1.65			6.0	245	217.41	2.1		
12	88	110.73	1.90			6.8	220	190.11	2.4		
14	77	94.08	2.2			7.2	210	180.60	2.5		
16	69	84.00	2.4			8.2	187	158.45	2.8		
18	60	71.75	2.8			9.7	161	134.40	3.2		
19	69	69.36	2.2	11	147	121.33	3.5				
				12	131	106.75	4.0				
8.4	115	157.43	0.80	AS37 ASF37 ASA37 ASAF37	4P	4.4	305	201.00	1.00	AS57 ASF57 ASA57 ASAF57	6P
9.1	107	144.40	0.85			4.8	285	184.80	1.05		
11	93	122.94	1.00			5.6	245	158.12	1.20		
12	82	106.00	1.10			6.4	220	137.05	1.35		
13	77	98.8	1.15			6.9	205	128.10	1.45		
15	68	86.36	1.25			6.5	215	201.00	1.35	AS57 ASF57 ASA57 ASAF57	4P
16	64	80.96	1.30			7.0	200	184.80	1.45		
18	58	71.44	1.45			8.2	176	158.12	1.70		
21	52	63.66	1.60			9.5	155	137.05	1.90		
24	55	55.93	1.45			10	146	128.10	2.0	AS47 ASF47 ASA47 ASAF47	4P
26	51	51.30	1.60			12	129	110.73	2.3		
30	44	43.46	1.85			14	111	94.08	2.7		
35	38	37.66	2.1			15	101	84.00	2.9		
38	36	35.10	2.2			6.5	210	201.00	0.80	AS47 ASF47 ASA47 ASAF47	4P
43	32	30.68	2.4	7.0	195	184.80	0.85				
46	30	28.76	2.5	8.2	170	158.12	1.00				
52	27	25.38	2.8	9.5	150	137.05	1.10				
59	24	22.50	3.1	10	141	128.10	1.20				
66	22	19.89	2.3	12	124	110.73	1.35				
72	21	18.24	2.5	14	108	94.08	1.55				
85	18	15.53	2.8	15	98	84.00	1.70				
99	15	13.39	3.2	18	85	71.75	1.95				
106	14	12.48	3.4	19	97	69.39	1.60				
121	13	10.91	3.8								
129	12	10.23	4.0								

AS



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						0.37KW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
19	80	67.20	2.1	AS47	4P	6.3	345	217.41	1.50	AS67 ASF67 ASA67 ASAF67	4P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
20	90	63.80	1.70	ASF47		24	78	54.59	2.0			ASA47	27	68	47.32	2.3	ASAF47	13	108	98.80	0.80	AS37 ASF37 ASA37 ASAF37	4P	7.3	310	190.11	1.70	AS57 ASF57 ASA57 ASAF57	6P	15	96	86.36	0.90	16	91	80.96	0.95	18	81	71.44	1.05	21	73	63.33	1.10	23	78	55.93	1.05	25	72	51.30	1.15	30	62	43.68	1.30	35	54	37.66	1.45	37	51	35.10	1.55	42	45	30.68	1.70	45	42	28.76	1.80	21	37	25.38	2.0	58	33	22.50	2.2	65	32	19.89	1.65	71	29	18.24	1.80	84	25	15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210	137.05	0.80	AS47 ASF47 ASA47 ASAF47	4P	105	19	25.38	3.3	118	17	22.50	3.4	134	16	19.89	2.8	146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76	2490	1824	1.00	ASF87	AR57	0.85	2230	1631	1.10	ASA87	AR57	1.5	1320	930	1.90	ASAF87	AR57	1.7	1190	831	2.1	1.9	1290	714	0.95	AS77	AR37	27	101	51.30	0.80	2.2	1150	637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6	890	258.18	2.8	ASF87	3.1	775	222.40	3.2	ASA87	3.0	735	225.26	1.75	AS77	6P	76	41	18.24	1.30	3.2	700	214.00	1.80	ASF77	3.6	630	189.09	2.0	ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505	217.41	1.10	AS67	6P	89	35	15.53	1.45	4.7	450	190.11	1.25	ASF67	5.0	430	180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60		111	28	12.48	1.70	111	28	12.48	1.70	127	25	10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																																																			
24	78	54.59	2.0	ASA47		27	68	47.32	2.3			ASAF47	13	108	98.80	0.80	AS37 ASF37 ASA37 ASAF37	4P	7.3	310	190.11			1.70	AS57 ASF57 ASA57 ASAF57	6P	15			96	86.36	0.90	16	91	80.96	0.95	18	81	71.44	1.05	21	73	63.33	1.10	23	78	55.93	1.05	25	72	51.30	1.15	30	62	43.68	1.30	35	54	37.66	1.45	37	51	35.10	1.55	42	45	30.68	1.70	45	42	28.76	1.80	21	37	25.38	2.0	58	33	22.50	2.2	65	32	19.89	1.65	71	29	18.24	1.80	84	25	15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37			2P	10	210	137.05			0.80	AS47 ASF47 ASA47 ASAF47	4P	105	19	25.38	3.3	118	17	22.50	3.4	134	16	19.89	2.8	146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054		0.90	AS87	AR57	4P			22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76	2490	1824	1.00	ASF87	AR57	0.85	2230	1631	1.10	ASA87	AR57	1.5	1320	930	1.90	ASAF87	AR57	1.7	1190			831	2.1	1.9	1290	714	0.95	AS77	AR37	27	101	51.30	0.80	2.2	1150	637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61		47	22.50	1.55	2.4			980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6	890	258.18	2.8		ASF87	3.1	775	222.40	3.2	ASA87	3.0	735	225.26	1.75	AS77	6P	76	41	18.24	1.30	3.2	700	214.00	1.80	ASF77	3.6	630	189.09		2.0	ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505	217.41	1.10	AS67	6P	89	35	15.53	1.45	4.7	450	190.11	1.25	ASF67	5.0		430	180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60		111	28	12.48	1.70	111	28	12.48	1.70	127	25	10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																																					
27	68	47.32	2.3	ASAF47		13	108	98.80	0.80			AS37 ASF37 ASA37 ASAF37	4P	7.3	310	190.11			1.70	AS57 ASF57 ASA57 ASAF57	6P			15			96			86.36	0.90	16	91	80.96	0.95	18	81	71.44	1.05	21	73	63.33	1.10	23	78	55.93	1.05	25	72	51.30	1.15	30	62	43.68	1.30	35	54	37.66	1.45	37	51	35.10	1.55	42	45	30.68	1.70	45	42	28.76	1.80	21	37	25.38	2.0	58	33	22.50	2.2	65	32	19.89	1.65	71	29	18.24	1.80	84	25	15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37					2P	10	210			137.05			0.80	AS47 ASF47 ASA47 ASAF47	4P	105	19	25.38	3.3	118	17	22.50	3.4	134	16	19.89	2.8	146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW							0.67	2810	2054				0.90	AS87	AR57	4P			22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76	2490	1824	1.00	ASF87	AR57	0.85	2230	1631	1.10	ASA87	AR57	1.5	1320			930	1.90	ASAF87	AR57	1.7	1190			831	2.1	1.9	1290	714	0.95	AS77	AR37	27	101	51.30	0.80	2.2	1150	637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38		1.40	5.6	425	246			1.35	ASAF67	AR37	61		47	22.50	1.55	2.4			980	288.00	2.5	AS87		8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6	890	258.18	2.8		ASF87	3.1	775	222.40	3.2	ASA87	3.0	735	225.26	1.75	AS77	6P		76	41	18.24	1.30	3.2	700	214.00	1.80	ASF77	3.6	630	189.09		2.0	ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505	217.41		1.10	AS67	6P	89	35	15.53	1.45	4.7	450	190.11	1.25	ASF67	5.0		430	180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60		111	28	12.48	1.70	111	28	12.48	1.70	127	25	10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																							
13	108	98.80	0.80	AS37 ASF37 ASA37 ASAF37		4P	7.3	310	190.11					1.70	AS57 ASF57 ASA57 ASAF57	6P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
15	96	86.36	0.90		16		91	80.96	0.95	18	81			71.44					1.05					21			73			63.33	1.10	23	78	55.93	1.05	25	72	51.30	1.15	30	62	43.68	1.30	35	54	37.66	1.45	37	51	35.10	1.55	42	45	30.68	1.70	45	42	28.76	1.80	21	37	25.38	2.0	58	33	22.50	2.2	65	32	19.89	1.65	71	29	18.24	1.80	84	25	15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210	137.05	0.80	AS47 ASF47 ASA47 ASAF47	4P	105	19	25.38	3.3							118	17			22.50			3.4			134	16	19.89	2.8	146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22		103	63.33	0.80				AS37 ASF37 ASA37 ASAF37	4P	0.76				2490	1824	1.00	ASF87			AR57	0.85	2230	1631	1.10	ASA87	AR57	1.5	1320	930	1.90	ASAF87	AR57	1.7			1190	831	2.1	1.9	1290	714			0.95	AS77	AR37	27	101	51.30			0.80	2.2	1150	637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425		246	1.35	ASAF67	AR37			61	47	22.50	1.55		2.4	980	288.00	2.5			AS87	8P	69	44			19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P			2.6	890	258.18	2.8		ASF87	3.1	775	222.40	3.2	ASA87	3.0	735	225.26	1.75	AS77			6P	76	41	18.24	1.30	3.2	700	214.00	1.80	ASF77	3.6	630		189.09	2.0	ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505		217.41	1.10		AS67	6P	89	35	15.53	1.45	4.7	450	190.11	1.25		ASF67	5.0	430	180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30		13.39	1.60		111	28	12.48	1.70	111	28	12.48	1.70	127	25	10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																				
16	91	80.96	0.95		18		81	71.44	1.05	21	73			63.33					1.10					23			78			55.93	1.05	25	72	51.30	1.15	30	62	43.68	1.30	35	54	37.66	1.45	37	51	35.10	1.55	42	45	30.68	1.70	45	42	28.76	1.80	21	37	25.38	2.0	58	33	22.50	2.2	65	32	19.89	1.65	71	29	18.24	1.80	84	25	15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80	AS47 ASF47 ASA47 ASAF47	4P			105	19	25.38	3.3							118	17			22.50			3.4			134	16	19.89	2.8	146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57		4P	22	103	63.33	0.80						AS37 ASF37 ASA37 ASAF37				4P	0.76	2490	1824			1.00	ASF87	AR57	0.85	2230	1631	1.10	ASA87	AR57	1.5	1320	930	1.90	ASAF87	AR57	1.7	1190	831	2.1	1.9	1290	714			0.95			AS77	AR37	27			101	51.30	0.80	2.2	1150	637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67			AR37	61	47	22.50		1.55	2.4	980	288.00			2.5		AS87	8P	69		44	19.89					1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6		890	258.18	2.8	ASF87	3.1	775	222.40	3.2	ASA87	3.0	735		225.26		1.75	AS77	6P	76	41	18.24	1.30	3.2	700	214.00	1.80		ASF77	3.6	630	189.09	2.0	ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505		217.41		1.10	AS67	6P	89	35	15.53	1.45	4.7		450	190.11	1.25	ASF67	5.0	430	180.80	1.30	ASA67	5.7	380	158.45	1.45		ASAF67	103		30	13.39	1.60		111	28	12.48	1.70	111	28	12.48	1.70	127	25	10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																
18	81	71.44	1.05		21		73	63.33	1.10	23	78			55.93					1.05					25			72			51.30	1.15	30	62	43.68	1.30	35	54	37.66	1.45	37	51	35.10	1.55	42	45	30.68	1.70	45	42	28.76	1.80	21	37	25.38	2.0	58	33	22.50	2.2	65	32	19.89	1.65	71	29	18.24	1.80	84	25	15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80			AS47 ASF47 ASA47 ASAF47	4P					105	19	25.38	3.3							118	17			22.50			3.4			134	16	19.89	2.8	146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57			4P	22	103	63.33	0.80										AS37 ASF37 ASA37 ASAF37	4P	0.76			2490	1824	1.00	ASF87	AR57	0.85	2230	1631	1.10	ASA87	AR57	1.5	1320	930	1.90	ASAF87	AR57	1.7	1190	831	2.1	1.9	1290	714	0.95					AS77			AR37	27	101	51.30	0.80	2.2	1150	637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246			1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980			288.00		2.5		AS87		8P	69					44			19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6	890	258.18	2.8	ASF87	3.1	775	222.40	3.2		ASA87		3.0	735		225.26	1.75	AS77	6P	76	41	18.24	1.30	3.2	700	214.00	1.80	ASF77	3.6	630	189.09	2.0	ASA77	4.2	545	161.80	2.3		ASAF77		4.1	505		217.41	1.10	AS67	6P	89	35	15.53	1.45	4.7	450	190.11	1.25	ASF67	5.0	430	180.80	1.30	ASA67	5.7		380	158.45		1.45	ASAF67	103		30	13.39	1.60		111	28	12.48	1.70	111	28	12.48	1.70	127	25	10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7												
21	73	63.33	1.10		23		78	55.93	1.05	25	72			51.30					1.15					30			62			43.68	1.30	35	54	37.66	1.45	37	51	35.10	1.55	42	45	30.68	1.70	45	42	28.76	1.80	21	37	25.38	2.0	58	33	22.50	2.2	65	32	19.89	1.65	71	29	18.24	1.80	84	25	15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80			AS47 ASF47 ASA47 ASAF47	4P									105	19	25.38	3.3							118	17			22.50			3.4			134	16	19.89	2.8	146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57				4P	22	103	63.33						0.80						AS37 ASF37 ASA37 ASAF37			4P	0.76	2490	1824	1.00	ASF87	AR57	0.85	2230	1631	1.10	ASA87	AR57	1.5	1320	930	1.90	ASAF87	AR57	1.7	1190	831	2.1	1.9	1290						714	0.95		AS77	AR37	27	101	51.30	0.80	2.2	1150	637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6			425	246	1.35	ASAF67	AR37	61	47	22.50	1.55			2.4		980		288.00	2.5		AS87					8P			69	44			19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6	890	258.18	2.8	ASF87	3.1	775		222.40	3.2		ASA87	3.0	735		225.26	1.75	AS77	6P	76	41	18.24	1.30	3.2	700	214.00	1.80	ASF77	3.6	630	189.09	2.0	ASA77	4.2	545		161.80	2.3		ASAF77	4.1	505		217.41	1.10	AS67	6P	89	35	15.53	1.45	4.7	450	190.11	1.25	ASF67	5.0	430	180.80	1.30	ASA67		5.7	380	158.45		1.45	ASAF67	103		30	13.39	1.60		111	28	12.48	1.70	111	28	12.48	1.70	127	25	10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7								
23	78	55.93	1.05		25		72	51.30	1.15	30	62			43.68					1.30					35			54			37.66	1.45	37	51	35.10	1.55	42	45	30.68	1.70	45	42	28.76	1.80	21	37	25.38	2.0	58	33	22.50	2.2	65	32	19.89	1.65	71	29	18.24	1.80	84	25	15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80			AS47 ASF47 ASA47 ASAF47	4P													105	19	25.38	3.3							118	17			22.50			3.4			134	16	19.89	2.8	146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57					4P	22	103						63.33										0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76	2490	1824	1.00	ASF87	AR57	0.85	2230	1631	1.10	ASA87	AR57	1.5	1320	930	1.90	ASAF87	AR57	1.7	1190	831						2.1	1.9				1290	714	0.95	AS77	AR37	27	101	51.30	0.80	2.2	1150	637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37			54	52	25.38	1.40	5.6	425	246	1.35	ASAF67			AR37		61		47	22.50		1.55								2.4	980			288.00	2.5			AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37		4P	2.6		890	258.18	2.8		ASF87	3.1	775		222.40	3.2	ASA87	3.0	735	225.26	1.75	AS77	6P	76	41	18.24	1.30	3.2	700	214.00		1.80	ASF77		3.6	630	189.09		2.0	ASA77	4.2		545	161.80	2.3	ASAF77	4.1	505	217.41	1.10	AS67	6P	89	35	15.53	1.45		4.7	450	190.11		1.25	ASF67	5.0		430	180.80	1.30		ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60		111	28	12.48	1.70	111	28	12.48	1.70	127	25	10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203
25	72	51.30	1.15		30		62	43.68	1.30	35	54			37.66					1.45					37			51			35.10	1.55	42	45	30.68	1.70	45	42	28.76	1.80	21	37	25.38	2.0	58	33	22.50	2.2	65	32	19.89	1.65	71	29	18.24	1.80	84	25	15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80			AS47 ASF47 ASA47 ASAF47	4P																	105	19	25.38	3.3							118	17			22.50			3.4			134	16	19.89	2.8	146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P					22	103						63.33										0.80			AS37 ASF37 ASA37 ASAF37	4P	0.76	2490	1824	1.00	ASF87	AR57	0.85	2230	1631	1.10	ASA87	AR57	1.5	1320	930	1.90	ASAF87	AR57	1.7	1190	831				2.1	1.9				1290	714	0.95			AS77	AR37	27	101	51.30	0.80	2.2	1150	637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20			ASA67	AR37	54	52	25.38	1.40	5.6	425	246			1.35	ASAF67	AR37		61	47		22.50								1.55	2.4			980	288.00			2.5		AS87	8P	69	44		19.89		1.20		AS37 ASF37 ASA37 ASAF37	4P	2.6		890	258.18	2.8		ASF87	3.1	775	222.40	3.2	ASA87	3.0	735		225.26	1.75	AS77	6P	76	41	18.24	1.30	3.2	700		214.00	1.80	ASF77		3.6	630	189.09		2.0	ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505		217.41	1.10	AS67	6P	89	35	15.53	1.45		4.7	450	190.11		1.25	ASF67	5.0		430	180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103		30	13.39	1.60		111	28	12.48	1.70	111	28	12.48	1.70	127	25	10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173
30	62	43.68	1.30		35		54	37.66	1.45	37	51			35.10					1.55					42			45			30.68	1.70	45	42	28.76	1.80	21	37	25.38	2.0	58	33	22.50	2.2	65	32	19.89	1.65	71	29	18.24	1.80	84	25	15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80			AS47 ASF47 ASA47 ASAF47	4P																					105	19	25.38	3.3			118	17			22.50	3.4	134	16	19.89			2.8			146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33		0.80				AS37 ASF37 ASA37 ASAF37	4P						0.76										2490					1824	1.00	ASF87	AR57	0.85	2230	1631	1.10	ASA87	AR57	1.5	1320	930	1.90	ASAF87	AR57	1.7	1190	831	2.1	1.9	1290	714		0.95	AS77				AR37	27	101					51.30	0.80	2.2	1150	637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37			54	52	25.38	1.40	5.6	425	246	1.35	ASAF67			AR37	61	47	22.50	1.55	2.4		980								288.00	2.5			AS87	8P			69		44		19.89	1.20		AS37 ASF37 ASA37 ASAF37		4P	2.6			890		258.18	2.8	ASF87		3.1	775	222.40	3.2	ASA87	3.0	735	225.26		1.75	AS77	6P		76	41	18.24	1.30	3.2	700	214.00	1.80	ASF77	3.6		630	189.09	2.0		ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505	217.41		1.10	AS67	6P		89	35	15.53	1.45	4.7	450	190.11	1.25		ASF67	5.0	430		180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30		13.39	1.60			111	28	12.48	1.70	111	28	12.48	1.70	127	25	10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173
35	54	37.66	1.45		37		51	35.10	1.55	42	45			30.68					1.70					45			42			28.76	1.80	21	37	25.38	2.0	58	33	22.50	2.2	65	32	19.89	1.65	71	29	18.24	1.80	84	25	15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80			AS47 ASF47 ASA47 ASAF47	4P																									105	19	25.38	3.3		118	17	22.50	3.4		134	16	19.89	2.8	146	15	18.24	3.0			171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33		0.80	AS37 ASF37 ASA37 ASAF37	4P		0.76	2490										1824										1.00					ASF87	AR57	0.85	2230	1631	1.10	ASA87	AR57	1.5	1320	930	1.90	ASAF87	AR57	1.7	1190	831	2.1	1.9	1290	714	0.95	AS77	AR37	27		101				51.30	0.80					2.2	1150	637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52			25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61			47	22.50	1.55	2.4	980	288.00	2.5	AS87								8P	69			44				19.89		1.20		AS37 ASF37 ASA37 ASAF37	4P					2.6			890	258.18	2.8	ASF87	3.1		775	222.40	3.2	ASA87	3.0	735	225.26	1.75		AS77	6P			76	41	18.24	1.30	3.2	700	214.00	1.80	ASF77	3.6	630	189.09	2.0	ASA77		4.2	545	161.80	2.3	ASAF77	4.1	505	217.41	1.10		AS67	6P			89	35	15.53	1.45	4.7	450	190.11	1.25	ASF67	5.0	430	180.80		1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39		1.60				111	28	12.48	1.70	111	28	12.48	1.70	127	25	10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173
37	51	35.10	1.55		42		45	30.68	1.70	45	42			28.76					1.80					21			37			25.38	2.0	58	33	22.50	2.2	65	32	19.89	1.65	71	29	18.24	1.80	84	25	15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80			AS47 ASF47 ASA47 ASAF47	4P																													105	19	25.38	3.3	118	17	22.50	3.4	134	16	19.89	2.8	146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33		0.80	AS37 ASF37 ASA37 ASAF37	4P		0.76				2490	1824	1.00									ASF87										AR57					0.85	2230	1631	1.10	ASA87	AR57	1.5	1320	930	1.90	ASAF87	AR57	1.7	1190	831	2.1	1.9	1290	714	0.95	AS77	AR37			27		101	51.30	0.80		2.2	1150					637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40			5.6	425	246	1.35	ASAF67	AR37	61	47	22.50			1.55	2.4	980	288.00	2.5	AS87	8P	69					44				19.89			1.20				AS37 ASF37 ASA37 ASAF37		4P								2.6			890	258.18	2.8	ASF87	3.1	775	222.40	3.2	ASA87	3.0	735	225.26	1.75	AS77		6P				76	41	18.24	1.30	3.2	700	214.00	1.80	ASF77	3.6	630	189.09	2.0	ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505	217.41	1.10	AS67		6P				89	35	15.53	1.45	4.7	450	190.11	1.25	ASF67	5.0	430	180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60						111	28	12.48	1.70	111	28	12.48	1.70	127	25	10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173
42	45	30.68	1.70		45		42	28.76	1.80	21	37			25.38					2.0					58			33			22.50	2.2	65	32	19.89	1.65	71	29	18.24	1.80	84	25	15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80			AS47 ASF47 ASA47 ASAF47	4P																																	105	19	25.38	3.3	118	17	22.50	3.4	134	16	19.89	2.8	146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57		4P	22	103		63.33				0.80				AS37 ASF37 ASA37 ASAF37	4P	0.76	2490								1824										1.00					ASF87	AR57	0.85	2230	1631	1.10	ASA87	AR57	1.5	1320	930	1.90	ASAF87	AR57	1.7	1190	831	2.1	1.9	1290					714		0.95	AS77	AR37		27	101	51.30	0.80			2.2	1150	637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52			25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61			47	22.50	1.55	2.4	980	288.00		2.5					AS87				8P			69					44									19.89			1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6	890	258.18	2.8	ASF87	3.1	775	222.40	3.2	ASA87	3.0	735					225.26	1.75	AS77	6P	76	41	18.24	1.30	3.2	700	214.00	1.80	ASF77	3.6	630	189.09	2.0	ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505					217.41	1.10	AS67	6P	89	35	15.53	1.45	4.7	450	190.11	1.25	ASF67	5.0	430	180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103					30	13.39	1.60		111	28	12.48	1.70	111	28	12.48	1.70	127	25	10.91	1.95	135	23	10.23	2.0	153
45	42	28.76	1.80		21		37	25.38	2.0	58	33			22.50					2.2					65			32			19.89	1.65	71	29	18.24	1.80	84	25	15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80			AS47 ASF47 ASA47 ASAF47	4P																													105	19					25.38	3.3	118	17	22.50	3.4	134	16	19.89	2.8	146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33			0.80	AS37 ASF37 ASA37 ASAF37		4P				0.76			2490			1824	1.00								ASF87										AR57					0.85	2230	1631	1.10	ASA87	AR57	1.5	1320	930	1.90	ASAF87	AR57	1.7	1190	831	2.1	1.9	1290	714	0.95					AS77		AR37				27	101	51.30	0.80	2.2	1150	637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40			5.6	425	246	1.35	ASAF67	AR37	61	47	22.50			1.55	2.4	980	288.00	2.5	AS87		8P					69							44					19.89		1.20							AS37 ASF37 ASA37 ASAF37			4P			2.6	890	258.18	2.8	ASF87	3.1	775	222.40	3.2	ASA87	3.0	735				225.26	1.75	AS77	6P		76	41	18.24	1.30	3.2	700	214.00	1.80	ASF77	3.6	630	189.09	2.0	ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505				217.41	1.10	AS67	6P		89	35	15.53	1.45	4.7	450	190.11	1.25	ASF67	5.0	430	180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103				30	13.39	1.60			111	28	12.48	1.70	111	28	12.48	1.70	127	25	10.91	1.95	135	23	10.23	2.0	153
21	37	25.38	2.0		58		33	22.50	2.2	65	32			19.89					1.65			71	29	18.24			1.80	84	25	15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210	137.05	0.80	AS47 ASF47 ASA47 ASAF47	4P			105	19			25.38	3.3																													118	17			22.50	3.4			134	16	19.89	2.8	146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76		2490	1824	1.00			ASF87						AR57	0.85			2230			1631	1.10			ASA87	AR57				1.5										1320					930	1.90	ASAF87	AR57	1.7	1190	831	2.1	1.9	1290	714	0.95	AS77	AR37	27	101	51.30	0.80	2.2	1150						637				1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89			1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6	890	258.18							2.8							ASF87	3.1				775		222.40													3.2	ASA87	3.0	735	225.26	1.75	AS77	6P	76	41	18.24	1.30			3.2	700	214.00	1.80			ASF77	3.6	630	189.09	2.0	ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505	217.41	1.10	AS67	6P	89	35	15.53	1.45			4.7	450	190.11	1.25			ASF67	5.0	430	180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60		111	28	12.48	1.70			111	28	12.48	1.70			127	25	10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203
58	33	22.50	2.2		65		32	19.89	1.65	71	29			18.24			1.80	84	25			15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210	137.05	0.80	AS47 ASF47 ASA47 ASAF47	4P			105	19	25.38	3.3					118	17			22.50	3.4																									134	16			19.89	2.8			146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76		2490	1824	1.00	ASF87			AR57		0.85	2230	1631			1.10		ASA87				AR57	1.5			1320			930	1.90			ASAF87	AR57				1.7	1190	831								2.1					1.9	1290	714	0.95	AS77	AR37	27	101	51.30	0.80	2.2	1150			637	1.10	ASF77	AR37	32	87			43.68	0.95		2.4				1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6		890	258.18	2.8	ASF87	3.1	775			222.40	3.2	ASA87							3.0			735				225.26	1.75				AS77		6P													76	41	18.24	1.30	3.2	700	214.00		1.80	ASF77	3.6	630		189.09	2.0	ASA77	4.2	545			161.80	2.3	ASAF77	4.1	505	217.41	1.10	AS67	6P	89	35	15.53	1.45	4.7	450	190.11		1.25	ASF67	5.0	430		180.80	1.30	ASA67	5.7	380			158.45	1.45	ASAF67	103	30	13.39	1.60		111	28	12.48	1.70	111	28	12.48		1.70	127	25	10.91		1.95	135	23	10.23	2.0			153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7					
65	32	19.89	1.65		71		29	18.24	1.80	84	25	15.53	2.0	97			22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210	137.05	0.80	AS47 ASF47 ASA47 ASAF47	4P			105	19	25.38	3.3					118	17	22.50	3.4					134	16			19.89	2.8																					146	15			18.24	3.0			171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76		2490	1824	1.00	ASF87			AR57		0.85	2230	1631	1.10			ASA87		AR57	1.5	1320	930		1.90		ASAF87				AR57	1.7			1190			831	2.1			1.9	1290				714	0.95	AS77					AR37	27		101					51.30	0.80	2.2	1150			637	1.10	ASF77	AR37	32	87			43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73		37.66				1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6		890	258.18	2.8	ASF87			3.1		775	222.40	3.2	ASA87	3.0	735			225.26	1.75	AS77	6P				76	41	18.24			1.30				3.2	700				214.00															1.80	ASF77	3.6	630	189.09	2.0	ASA77		4.2	545	161.80	2.3	ASAF77	4.1	505	217.41	1.10	AS67			6P	89	35	15.53	1.45	4.7	450	190.11		1.25	ASF67	5.0	430	180.80	1.30	ASA67		5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60				111	28	12.48	1.70	111	28	12.48		1.70	127	25	10.91	1.95	135	23		10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5			203	16	6.80	2.7													
71	29	18.24	1.80	84	25	15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210	137.05	0.80	AS47 ASF47 ASA47 ASAF47	4P			105	19	25.38	3.3					118	17	22.50	3.4					134	16	19.89	2.8					146	15			18.24	3.0																	171	13			15.53	3.4			199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76		2490	1824	1.00	ASF87			AR57		0.85	2230	1631	1.10			ASA87		AR57	1.5	1320	930			1.90		ASAF87	AR57	1.7	1190	831	2.1		1.9				1290	714			0.95			AS77	AR37			27	101				51.30	0.80							2.2		1150					637	1.10	ASF77	AR37			32	87	43.68	0.95	2.4	1040			574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900		499		1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37		4P	2.6	890	258.18			2.8		ASF87	3.1	775	222.40			3.2		ASA87	3.0	735	225.26	1.75	AS77			6P	76	41					18.24	1.30	3.2			700	214.00			1.80	ASF77				3.6															630	189.09	2.0	ASA77	4.2	545	161.80		2.3	ASAF77	4.1	505	217.41	1.10	AS67	6P	89	35		15.53		1.45	4.7	450	190.11	1.25	ASF67	5.0		430	180.80	1.30	ASA67	5.7	380	158.45		1.45	ASAF67	103	30	13.39	1.60		111	28			12.48	1.70	111	28	12.48	1.70	127	25		10.91	1.95	135	23	10.23	2.0	153		21	9.02	2.2	173	18	8.00	2.5	203	16	6.80		2.7																	
84	25	15.53	2.0	97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80	AS47 ASF47 ASA47 ASAF47	4P					105	19	25.38	3.3					118	17	22.50	3.4					134	16	19.89	2.8					146	15			18.24	3.0													171	13			15.53	3.4			199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33		0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76			2490		1824	1.00	ASF87	AR57			0.85		2230	1631	1.10	ASA87			AR57		1.5	1320	930	1.90			ASAF87	AR57	1.7	1190	831	2.1	1.9	1290		714				0.95	AS77			AR37							27	101	51.30	0.80		2.2	1150							637		1.10					ASF77	AR37	32	87			43.68	0.95	2.4	1040	574	1.20			ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89		1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6				890	258.18	2.8			ASF87		3.1	775	222.40	3.2			ASA87		3.0	735	225.26	1.75	AS77	6P				76	41		18.24	1.30	3.2	700	214.00	1.80			ASF77	3.6			630	189.09				2.0															ASA77	4.2	545	161.80	2.3	ASAF77	4.1		505	217.41	1.10	AS67	6P	89	35		15.53	1.45	4.7	450		190.11	1.25	ASF67	5.0	430	180.80	1.30		ASA67	5.7	380	158.45	1.45	ASAF67	103		30	13.39	1.60		111	28		12.48	1.70		111	28	12.48	1.70	127	25	10.91	1.95	135		23	10.23	2.0	153	21	9.02	2.2		173	18	8.00	2.5	203	16	6.80	2.7																					
97	22	13.39	2.3	104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80			AS47 ASF47 ASA47 ASAF47	4P							105	19	25.38	3.3					118	17	22.50	3.4					134	16	19.89	2.8					146	15			18.24	3.0									171	13			15.53	3.4			199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33		0.80	AS37 ASF37 ASA37 ASAF37	4P		0.76			2490			1824		1.00	ASF87	AR57	0.85			2230		1631	1.10	ASA87	AR57			1.5	1320	930	1.90	ASAF87	AR57			1.7	1190	831	2.1	1.9	1290	714	0.95		AS77				AR37											27	101	51.30	0.80	2.2	1150	637		1.10					ASF77		AR37					32	87	43.68	0.95			2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89		1.20	AS37 ASF37 ASA37 ASAF37	4P		2.6			890				258.18	2.8	ASF87			3.1		775	222.40	3.2	ASA87			3.0	735	225.26	1.75	AS77	6P	76					41	18.24		1.30	3.2	700	214.00	1.80	ASF77	3.6	630	189.09	2.0			ASA77	4.2				545															161.80	2.3	ASAF77	4.1	505	217.41	1.10	AS67	6P	89	35	15.53		1.45	4.7		450	190.11	1.25	ASF67		5.0	430	180.80	1.30	ASA67	5.7	380		158.45	1.45	ASAF67	103	30	13.39	1.60		111	28	12.48		1.70	111		28	12.48		1.70	127	25	10.91	1.95	135	23	10.23	2.0		153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																									
104	20	12.48	2.4	119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80			AS47 ASF47 ASA47 ASAF47	4P											105	19	25.38	3.3					118	17	22.50	3.4					134	16	19.89	2.8					146	15			18.24	3.0					171	13			15.53	3.4			199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33		0.80	AS37 ASF37 ASA37 ASAF37	4P		0.76				2490			1824			1.00		ASF87	AR57	0.85	2230			1631	1.10	ASA87	AR57	1.5	1320			930	1.90	ASAF87	AR57	1.7	1190			831	2.1	1.9	1290	714	0.95	AS77	AR37																	27	101	51.30	0.80	2.2	1150	637		1.10	ASF77	AR37			32		87					43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89		1.20	AS37 ASF37 ASA37 ASAF37	4P		2.6				890			258.18				2.8	ASF87	3.1			775	222.40	3.2	ASA87	3.0	735			225.26	1.75	AS77	6P	76		41					18.24	1.30		3.2	700	214.00	1.80	ASF77	3.6	630	189.09	2.0	ASA77	4.2	545	161.80	2.3				ASAF77		4.1													505	217.41	1.10	AS67	6P	89	35	15.53		1.45	4.7	450		190.11	1.25		ASF67	5.0	430	180.80		1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60		111	28	12.48		1.70	111	28		12.48	1.70		127	25		10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																													
119	18	10.91	2.7	127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80			AS47 ASF47 ASA47 ASAF47	4P															105	19	25.38	3.3					118	17	22.50	3.4					134	16	19.89	2.8					146	15			18.24	3.0	171	13			15.53	3.4			199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33		0.80	AS37 ASF37 ASA37 ASAF37	4P		0.76				2490				1824			1.00			ASF87	AR57	0.85	2230	1631	1.10			ASA87	AR57	1.5	1320	930	1.90			ASAF87	AR57	1.7	1190	831	2.1			1.9	1290	714	0.95	AS77	AR37																			27	101	51.30	0.80	2.2	1150	637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040					574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89		1.20	AS37 ASF37 ASA37 ASAF37	4P		2.6				890				258.18			2.8		ASF87		3.1	775	222.40			3.2	ASA87	3.0	735	225.26	1.75			AS77	6P	76		41		18.24					1.30	3.2	700	214.00	1.80	ASF77	3.6	630	189.09	2.0	ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505	217.41		1.10		AS67													6P	89	35	15.53		1.45	4.7	450		190.11	1.25	ASF67		5.0	430		180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60		111	28	12.48		1.70	111	28		12.48	1.70	127		25	10.91		1.95	135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																																	
127	19	10.23	2.8	144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80			AS47 ASF47 ASA47 ASAF47	4P																			105	19	25.38	3.3					118	17	22.50	3.4					134	16	19.89	2.8					146	15	18.24	3.0	171	13	15.53	3.4			199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33		0.80	AS37 ASF37 ASA37 ASAF37	4P		0.76				2490				1824			1.00	ASF87			AR57			0.85	2230	1631	1.10	ASA87	AR57			1.5	1320	930	1.90	ASAF87	AR57			1.7	1190	831	2.1	1.9	1290			714	0.95	AS77	AR37																	27	101			51.30	0.80	2.2	1150	637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37			37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89		1.20	AS37 ASF37 ASA37 ASAF37	4P		2.6				890				258.18			2.8	ASF87			3.1		775		222.40	3.2	ASA87			3.0	735	225.26	1.75	AS77	6P			76		41		18.24		1.30				3.2	700	214.00	1.80	ASF77	3.6	630	189.09	2.0	ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505	217.41	1.10	AS67		6P		89			35		15.53									1.45	4.7	450		190.11	1.25	ASF67		5.0	430	180.80		1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60		111	28	12.48		1.70	111	28		12.48	1.70	127		25	10.91	1.95		135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																																					
144	15	9.02	3.1	163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80			AS47 ASF47 ASA47 ASAF47	4P																							105	19	25.38	3.3					118	17	22.50	3.4					134	16	19.89	2.8			146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33		0.80	AS37 ASF37 ASA37 ASAF37	4P		0.76				2490				1824			1.00	ASF87			AR57	0.85			2230			1631	1.10	ASA87	AR57	1.5	1320			930	1.90	ASAF87	AR57	1.7	1190			831	2.1	1.9	1290	714	0.95			AS77	AR37													27			101			51.30	0.80			2.2	1150	637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89		1.20	AS37 ASF37 ASA37 ASAF37	4P		2.6				890				258.18			2.8	ASF87			3.1	775			222.40		3.2		ASA87	3.0	735			225.26	1.75	AS77	6P	76				41		18.24		1.30		3.2	700			214.00	1.80	ASF77	3.6	630	189.09	2.0	ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505	217.41	1.10	AS67	6P	89				35			15.53		1.45			4.7	450					190.11	1.25	ASF67		5.0	430	180.80		1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60		111	28	12.48		1.70	111	28		12.48	1.70	127		25	10.91	1.95		135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																																									
163	13	8.00	3.4	191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80			AS47 ASF47 ASA47 ASAF47	4P																											105	19	25.38	3.3					118	17	22.50	3.4			134	16	19.89	2.8	146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33		0.80	AS37 ASF37 ASA37 ASAF37	4P		0.76				2490				1824			1.00	ASF87			AR57	0.85			2230	1631			1.10			ASA87	AR57	1.5	1320	930	1.90			ASAF87	AR57	1.7	1190	831	2.1			1.9	1290	714	0.95	AS77	AR37												27				101	51.30			0.80			2.2	1150	637	1.10	ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89		1.20	AS37 ASF37 ASA37 ASAF37	4P		2.6				890				258.18			2.8	ASF87			3.1	775			222.40	3.2			ASA87		3.0		735	225.26	1.75			AS77	6P	76		41				18.24		1.30		3.2	700	214.00	1.80			ASF77	3.6	630	189.09	2.0	ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505	217.41	1.10	AS67	6P	89		35				15.53			1.45	4.7	450	190.11		1.25	ASF67					5.0	430	180.80		1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60		111	28	12.48		1.70	111	28		12.48	1.70	127		25	10.91	1.95		135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																																													
191	11	6.80	3.8	92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80			AS47 ASF47 ASA47 ASAF47	4P																															105	19	25.38	3.3			118	17	22.50	3.4	134	16	19.89	2.8	146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33		0.80	AS37 ASF37 ASA37 ASAF37	4P		0.76				2490				1824			1.00	ASF87			AR57	0.85			2230	1631			1.10	ASA87			AR57			1.5	1320	930	1.90	ASAF87	AR57			1.7	1190	831	2.1	1.9	1290			714	0.95	AS77	AR37											27	101		51.30				0.80	2.2	1150	637	1.10			ASF77	AR37	32	87	43.68	0.95	2.4	1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89		1.20	AS37 ASF37 ASA37 ASAF37	4P		2.6				890				258.18			2.8	ASF87			3.1	775			222.40	3.2			ASA87	3.0			735		225.26		1.75	AS77	6P			76		41		18.24				1.30		3.2	700	214.00	1.80	ASF77	3.6			630	189.09	2.0	ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505	217.41	1.10	AS67	6P	89		35		15.53				1.45	4.7	450	190.11	1.25	ASF67	5.0		430	180.80					1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60		111	28	12.48		1.70	111	28		12.48	1.70	127		25	10.91	1.95		135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																																																	
92	21	28.76	3.0	AS37 ASF37 ASA37 ASAF37	2P	10	210			137.05	0.80			AS47 ASF47 ASA47 ASAF47	4P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
105	19	25.38	3.3			118	17			22.50	3.4																													134	16					19.89	2.8	146	15	18.24	3.0	171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76	2490	1824	1.00	ASF87	AR57	0.85	2230	1631		1.10	ASA87	AR57		1.5				1320			930	1.90			ASAF87	AR57			1.7	1190			831	2.1			1.9	1290			714	0.95			AS77			AR37	27	101	51.30	0.80	2.2			1150	637	1.10	ASF77	AR37	32			87	43.68									0.95	2.4	1040	574	1.20	ASA77		AR37		37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6	890	258.18	2.8	ASF87	3.1	775	222.40	3.2	ASA87	3.0	735	225.26	1.75		AS77	6P	76		41				18.24			1.30	3.2			700	214.00			1.80	ASF77			3.6	630			189.09	2.0			ASA77	4.2			545		161.80		2.3	ASAF77				4.1		505		217.41	1.10			AS67	6P	89	35	15.53	1.45	4.7	450			190.11	1.25	ASF67	5.0	430	180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103		30		13.39		1.60		111	28	12.48	1.70	111	28	12.48	1.70	127		25	10.91		1.95	135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203		16	6.80	2.7																																																																														
118	17	22.50	3.4			134	16			19.89	2.8																									146	15			18.24	3.0			171	13	15.53	3.4	199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76		2490	1824	1.00	ASF87			AR57	0.85	2230	1631	1.10	ASA87	AR57	1.5	1320		930	1.90	ASAF87		AR57			1.7	1190			831	2.1			1.9	1290			714	0.95			AS77	AR37			27	101			51.30	0.80							2.2	1150	637	1.10	ASF77			AR37	32	87	43.68	0.95	2.4			1040	574							1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6		890	258.18	2.8	ASF87			3.1	775	222.40	3.2	ASA87	3.0	735	225.26	1.75	AS77	6P	76	41	18.24		1.30		3.2		700			214.00	1.80			ASF77	3.6			630	189.09			2.0	ASA77			4.2	545			161.80	2.3			ASAF77	4.1			505		217.41		1.10	AS67				6P		89	35	15.53	1.45			4.7		450	190.11	1.25	ASF67	5.0	430			180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60		111		28		12.48	1.70	111		28	12.48	1.70	127	25	10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																																																																																						
134	16	19.89	2.8			146	15			18.24	3.0																					171	13			15.53	3.4			199	11	13.39	3.8	213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76		2490	1824	1.00	ASF87			AR57		0.85	2230	1631	1.10			ASA87	AR57	1.5	1320	930	1.90	ASAF87	AR57	1.7		1190	831	2.1	1.9	1290			714	0.95			AS77	AR37			27	101			51.30	0.80							2.2	1150			637	1.10							ASF77	AR37	32	87	43.68			0.95	2.4	1040	574	1.20	ASA77			AR37	37			73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6		890	258.18	2.8	ASF87			3.1		775	222.40	3.2	ASA87			3.0	735	225.26	1.75	AS77	6P	76	41	18.24	1.30		3.2	700	214.00		1.80		ASF77	3.6	630			189.09	2.0			ASA77	4.2			545	161.80			2.3	ASAF77			4.1	505			217.41	1.10			AS67	6P			89		35		15.53	1.45					4.7	450	190.11	1.25	ASF67			5.0		430	180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60		111	28	12.48	1.70	111	28		12.48		1.70	127	25	10.91	1.95		135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																																																																																													
146	15	18.24	3.0			171	13			15.53	3.4																	199	11			13.39	3.8			213	10	12.48	4.0	36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76		2490	1824	1.00	ASF87			AR57		0.85	2230	1631	1.10			ASA87		AR57	1.5	1320	930			1.90	ASAF87	AR57	1.7	1190	831	2.1	1.9	1290	714	0.95	AS77	AR37	27	101			51.30	0.80							2.2	1150			637	1.10							ASF77	AR37			32	87							43.68	0.95	2.4	1040	574			1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6		890	258.18	2.8	ASF87			3.1		775	222.40	3.2	ASA87			3.0		735	225.26	1.75	AS77			6P	76	41	18.24	1.30		3.2	700	214.00	1.80		ASF77	3.6	630	189.09	2.0		ASA77	4.2	545			161.80	2.3			ASAF77	4.1			505	217.41			1.10	AS67			6P	89			35	15.53			1.45				4.7		450		190.11	1.25	ASF67				5.0	430	180.80	1.30	ASA67	5.7	380	158.45		1.45	ASAF67	103	30	13.39	1.60		111	28	12.48	1.70	111	28		12.48	1.70	127	25	10.91	1.95		135	23	10.23	2.0	153	21	9.02		2.2	173	18	8.00	2.5	203	16	6.80	2.7																																																																																																				
171	13	15.53	3.4			199	11			13.39	3.8													213	10			12.48	4.0			36	78	38.23	2.0	42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76		2490	1824	1.00	ASF87			AR57		0.85	2230	1631	1.10			ASA87		AR57	1.5	1320	930			1.90		ASAF87	AR57	1.7	1190			831	2.1	1.9	1290	714	0.95	AS77	AR37	27	101	51.30			0.80	2.2			1150	637							1.10	ASF77			AR37	32							87	43.68			0.95	2.4							1040	574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20		AS37 ASF37 ASA37 ASAF37	4P	2.6	890			258.18		2.8	ASF87	3.1	775			222.40		3.2	ASA87	3.0	735			225.26		1.75	AS77	6P	76				41	18.24	1.30	3.2		700	214.00	1.80	ASF77		3.6	630	189.09	2.0	ASA77		4.2	545	161.80			2.3	ASAF77			4.1	505			217.41	1.10			AS67	6P				89			35	15.53			1.45				4.7		450		190.11	1.25	ASF67	5.0	430		180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67		103	30	13.39	1.60		111		28	12.48	1.70	111	28	12.48		1.70	127	25	10.91	1.95	135		23	10.23	2.0	153	21	9.02	2.2		173	18	8.00	2.5	203	16	6.80	2.7																																																																																																					
199	11	13.39	3.8			213	10			12.48	4.0									36	78			38.23	2.0			42	67	32.48	2.3	48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76		2490	1824	1.00	ASF87			AR57		0.85	2230	1631	1.10			ASA87		AR57	1.5	1320	930			1.90		ASAF87	AR57	1.7	1190			831	2.1	1.9	1290	714	0.95			AS77	AR37	27	101	51.30	0.80			2.2	1150	637			1.10	ASF77			AR37	32							87	43.68			0.95	2.4							1040	574			1.20	ASA77			AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6		890	258.18	2.8	ASF87				3.1	775			222.40		3.2	ASA87	3.0	735			225.26		1.75	AS77	6P	76			41	18.24	1.30	3.2		700				214.00	1.80	ASF77	3.6		630	189.09	2.0	ASA77		4.2	545	161.80	2.3	ASAF77	4.1	505	217.41	1.10			AS67	6P			89	35			15.53	1.45			4.7					450			190.11	1.25			ASF67				5.0	430	180.80	1.30	ASA67	5.7	380	158.45	1.45		ASAF67	103	30	13.39	1.60		111	28	12.48	1.70	111	28	12.48		1.70		127	25	10.91	1.95	135	23		10.23	2.0	153	21	9.02	2.2		173	18	8.00	2.5	203	16	6.80	2.7																																																																																																													
213	10	12.48	4.0			36	78			38.23	2.0					42	67			32.48	2.3			48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76		2490	1824	1.00	ASF87			AR57		0.85	2230	1631	1.10			ASA87		AR57	1.5	1320	930			1.90		ASAF87	AR57	1.7	1190			831	2.1	1.9	1290	714	0.95			AS77	AR37	27	101	51.30	0.80					2.2	1150	637	1.10			ASF77	AR37	32			87	43.68			0.95	2.4							1040	574			1.20	ASA77			AR37	37			73	37.66			1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6		890	258.18	2.8	ASF87			3.1		775	222.40	3.2	ASA87				3.0	735			225.26		1.75	AS77	6P	76			41	18.24	1.30	3.2		700			214.00	1.80	ASF77	3.6		630				189.09	2.0	ASA77	4.2		545	161.80	2.3	ASAF77	4.1	505	217.41	1.10	AS67	6P	89	35	15.53	1.45			4.7				450	190.11			1.25	ASF67			5.0					430			180.80	1.30			ASA67		5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60		111	28	12.48	1.70	111	28	12.48		1.70	127	25	10.91	1.95	135	23		10.23		2.0	153	21	9.02	2.2	173		18	8.00	2.5	203	16	6.80	2.7																																																																																																																					
36	78	38.23	2.0			42	67			32.48	2.3	48	60			29.00	2.6			56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76		2490	1824	1.00	ASF87			AR57		0.85	2230	1631	1.10			ASA87		AR57	1.5	1320	930			1.90		ASAF87	AR57	1.7	1190			831	2.1	1.9	1290	714	0.95			AS77	AR37	27	101	51.30	0.80					2.2	1150	637	1.10					ASF77	AR37	32	87			43.68	0.95	2.4			1040	574			1.20	ASA77			AR37	37			73	37.66			1.05	2.8			900	499			1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6		890	258.18	2.8	ASF87			3.1		775	222.40	3.2	ASA87			3.0		735	225.26	1.75	AS77				6P	76			41	18.24	1.30	3.2		700			214.00	1.80	ASF77	3.6		630			189.09	2.0	ASA77	4.2		545				161.80	2.3	ASAF77	4.1	505	217.41	1.10	AS67	6P	89	35	15.53	1.45	4.7		450	190.11	1.25	ASF67			5.0				430	180.80			1.30	ASA67			5.7					380			158.45	1.45	ASAF67	103	30	13.39	1.60		111	28	12.48	1.70	111	28	12.48		1.70	127	25	10.91	1.95	135	23		10.23	2.0	153	21	9.02	2.2	173		18		8.00	2.5	203	16	6.80	2.7																																																																																																																													
42	67	32.48	2.3			48	60	29.00	2.6	56	52	24.77	3.0			59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76		2490	1824	1.00	ASF87			AR57		0.85	2230	1631	1.10			ASA87		AR57	1.5	1320	930			1.90		ASAF87	AR57	1.7	1190			831	2.1	1.9	1290	714	0.95			AS77	AR37	27	101	51.30	0.80					2.2	1150	637	1.10					ASF77	AR37	32	87					43.68	0.95	2.4	1040			574	1.20	ASA77	AR37	37	73	37.66			1.05	2.8			900	499			1.40	ASAF77			AR37	39			71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6		890	258.18	2.8	ASF87			3.1		775	222.40	3.2	ASA87			3.0		735	225.26	1.75	AS77			6P		76	41	18.24	1.30	3.2				700			214.00	1.80	ASF77	3.6		630			189.09	2.0	ASA77	4.2		545			161.80	2.3	ASAF77	4.1		505			217.41	1.10	AS67	6P	89	35	15.53	1.45	4.7		450	190.11	1.25	ASF67	5.0		430	180.80	1.30	ASA67			5.7				380	158.45			1.45	ASAF67			103				30	13.39	1.60		111	28	12.48	1.70	111	28	12.48		1.70	127	25	10.91	1.95	135	23		10.23	2.0	153	21	9.02	2.2	173		18	8.00	2.5	203	16	6.80	2.7																																																																																																																																						
48	60	29.00	2.6	56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76		2490	1824	1.00	ASF87			AR57		0.85	2230	1631	1.10			ASA87		AR57	1.5	1320	930			1.90		ASAF87	AR57	1.7	1190			831	2.1	1.9	1290	714	0.95			AS77	AR37	27	101	51.30	0.80					2.2	1150	637	1.10					ASF77	AR37	32	87					43.68	0.95	2.4	1040					574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77			AR37	39			71	35.10			1.10	3.2			785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6		890	258.18	2.8	ASF87			3.1		775	222.40	3.2	ASA87			3.0		735	225.26	1.75	AS77			6P		76	41	18.24	1.30				3.2	700	214.00	1.80	ASF77	3.6				630			189.09	2.0	ASA77	4.2		545			161.80	2.3	ASAF77	4.1		505			217.41	1.10	AS67	6P	89	35			15.53	1.45	4.7		450	190.11	1.25	ASF67	5.0		430	180.80	1.30	ASA67	5.7		380	158.45	1.45	ASAF67			103				30	13.39			1.60				111	28	12.48	1.70	111	28	12.48		1.70	127	25	10.91	1.95	135	23		10.23	2.0	153	21	9.02	2.2	173		18	8.00	2.5	203	16	6.80	2.7																																																																																																																																														
56	52	24.77	3.0	59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33		0.80	AS37 ASF37 ASA37 ASAF37	4P	0.76			2490		1824	1.00	ASF87	AR57			0.85		2230	1631	1.10	ASA87			AR57		1.5	1320	930	1.90			ASAF87	AR57	1.7	1190	831	2.1			1.9	1290	714	0.95	AS77	AR37					27	101	51.30	0.80					2.2	1150	637	1.10					ASF77	AR37	32	87					43.68	0.95	2.4	1040			574	1.20	ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39			71	35.10			1.10	3.2			785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89		1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6			890		258.18	2.8	ASF87	3.1			775		222.40	3.2	ASA87	3.0			735		225.26	1.75	AS77	6P				76	41	18.24	1.30	3.2				700	214.00	1.80	ASF77	3.6	630				189.09			2.0	ASA77	4.2	545		161.80			2.3	ASAF77	4.1	505	217.41	1.10			AS67	6P	89		35	15.53			1.45	4.7	450		190.11	1.25	ASF67	5.0	430		180.80	1.30	ASA67	5.7	380		158.45	1.45	ASAF67	103			30	13.39			1.60				111		28	12.48	1.70	111	28	12.48	1.70	127	25		10.91	1.95	135	23	10.23	2.0	153		21	9.02	2.2	173	18	8.00	2.5		203	16	6.80	2.7																																																																																																																																																	
59	49	23.20	3.1	68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33		0.80	AS37 ASF37 ASA37 ASAF37	4P		0.76			2490			1824		1.00	ASF87	AR57	0.85			2230		1631	1.10	ASA87	AR57			1.5	1320	930	1.90	ASAF87	AR57			1.7	1190	831	2.1	1.9	1290			714	0.95	AS77	AR37							27	101	51.30	0.80					2.2	1150	637	1.10					ASF77	AR37	32	87			43.68	0.95	2.4	1040	574	1.20			ASA77	AR37	37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10			1.10	3.2			785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89		1.20	AS37 ASF37 ASA37 ASAF37	4P		2.6			890			258.18		2.8	ASF87	3.1	775			222.40		3.2	ASA87	3.0	735			225.26	1.75	AS77	6P	76					41	18.24	1.30	3.2	700				214.00	1.80	ASF77	3.6	630	189.09				2.0			ASA77	4.2	545	161.80	2.3	ASAF77			4.1	505	217.41	1.10	AS67	6P			89		35		15.53	1.45			4.7	450	190.11		1.25	ASF67	5.0	430	180.80		1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39			1.60				111		28	12.48	1.70		111	28	12.48	1.70	127	25	10.91	1.95	135		23	10.23	2.0	153	21	9.02	2.2		173	18	8.00	2.5	203	16	6.80	2.7																																																																																																																																																					
68	46	20.33	2.4	78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33		0.80	AS37 ASF37 ASA37 ASAF37	4P		0.76				2490			1824			1.00		ASF87	AR57	0.85	2230			1631	1.10	ASA87	AR57	1.5	1320			930	1.90	ASAF87	AR57	1.7	1190			831	2.1	1.9	1290	714	0.95			AS77	AR37									27	101	51.30	0.80					2.2	1150	637	1.10			ASF77	AR37	32	87	43.68	0.95			2.4	1040	574	1.20	ASA77	AR37			37	73	37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2			785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89		1.20	AS37 ASF37 ASA37 ASAF37	4P		2.6				890			258.18			2.8		ASF87	3.1	775	222.40			3.2	ASA87	3.0	735	225.26	1.75			AS77	6P	76		41					18.24	1.30	3.2	700	214.00				1.80	ASF77	3.6	630	189.09	2.0			ASA77	4.2			545	161.80	2.3	ASAF77	4.1	505			217.41	1.10	AS67	6P	89				35		15.53		1.45	4.7			450	190.11	1.25		ASF67	5.0	430	180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60				111		28	12.48	1.70		111	28	12.48		1.70	127	25	10.91	1.95	135	23	10.23	2.0		153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																																																																																																																																																									
78	40	17.62	2.8	84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33		0.80	AS37 ASF37 ASA37 ASAF37	4P		0.76				2490				1824			1.00			ASF87	AR57	0.85	2230	1631	1.10			ASA87	AR57	1.5	1320	930	1.90			ASAF87	AR57	1.7	1190	831	2.1			1.9	1290	714	0.95	AS77	AR37													27	101	51.30	0.80			2.2	1150	637	1.10	ASF77	AR37			32	87	43.68	0.95	2.4	1040			574	1.20	ASA77	AR37	37	73			37.66	1.05	2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89		1.20	AS37 ASF37 ASA37 ASAF37	4P		2.6				890				258.18			2.8			ASF87	3.1	775	222.40	3.2	ASA87			3.0	735	225.26	1.75	AS77	6P			76		41		18.24					1.30	3.2	700	214.00	1.80			ASF77	3.6	630	189.09	2.0	ASA77	4.2			545	161.80			2.3	ASAF77	4.1	505	217.41	1.10			AS67	6P	89		35				15.53		1.45		4.7	450			190.11	1.25	ASF67	5.0	430	180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60		111		28	12.48	1.70		111	28	12.48		1.70	127	25		10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																																																																																																																																																													
84	37	16.47	3.0	0.37KW						0.37KW						0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33		0.80	AS37 ASF37 ASA37 ASAF37	4P		0.76				2490				1824			1.00	ASF87			AR57			0.85	2230	1631	1.10	ASA87	AR57			1.5	1320	930	1.90	ASAF87	AR57			1.7	1190	831	2.1	1.9	1290			714	0.95	AS77	AR37													27	101	51.30	0.80	2.2	1150			637	1.10	ASF77	AR37	32	87			43.68	0.95	2.4	1040	574	1.20			ASA77	AR37	37	73	37.66	1.05			2.8	900	499	1.40	ASAF77	AR37	39	71	35.10	1.10	3.2	785	438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69		44	19.89	1.20		AS37 ASF37 ASA37 ASAF37				4P				2.6			890	258.18			2.8			ASF87	3.1	775	222.40	3.2	ASA87			3.0	735	225.26	1.75	AS77				6P		76		41				18.24	1.30	3.2	700	214.00	1.80			ASF77	3.6	630	189.09	2.0	ASA77	4.2			545	161.80			2.3	ASAF77	4.1	505	217.41	1.10			AS67		6P		89				35		15.53	1.45	4.7	450			190.11	1.25	ASF67	5.0	430	180.80	1.30	ASA67	5.7	380	158.45	1.45	ASAF67	103	30	13.39	1.60				111	28	12.48		1.70	111	28		12.48	1.70	127	25	10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																																																																																																																																																													
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0.67	2810	2054	0.90	AS87	AR57	4P	22	103	63.33	0.80	AS37 ASF37 ASA37 ASAF37	4P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
0.76	2490	1824	1.00	ASF87	AR57		0.85	2230	1631	1.10			ASA87	AR57	1.5	1320	930	1.90	ASAF87	AR57	1.7		1190	831	2.1		1.9			1290	714			0.95	AS77			AR37	27			101	51.30			0.80			2.2	1150	637	1.10	ASF77	AR37			32	87	43.68	0.95	2.4	1040			574	1.20	ASA77	AR37	37	73			37.66	1.05							2.8	900	499	1.40	ASAF77	AR37			39	71	35.10	1.10	3.2	785			438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6	890	258.18	2.8	ASF87	3.1	775	222.40	3.2	ASA87	3.0	735	225.26	1.75	AS77	6P	76	41	18.24	1.30	3.2	700	214.00	1.80	ASF77	3.6	630	189.09	2.0		ASA77		4.2	545	161.80	2.3				ASAF77				4.1	505			217.41	1.10			AS67			6P	89	35	15.53	1.45	4.7			450	190.11	1.25	ASF67	5.0					430	180.80	1.30	ASA67	5.7			380	158.45	1.45	ASAF67	103	30			13.39	1.60		111	28	12.48	1.70			111	28			12.48	1.70	127	25	10.91	1.95	135	23	10.23			2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																																																																																																																																																																																																															
0.85	2230	1631	1.10	ASA87	AR57		1.5	1320	930	1.90			ASAF87	AR57	1.7	1190	831	2.1	1.9	1290	714		0.95	AS77	AR37	27	101			51.30	0.80			2.2					1150			637	1.10			ASF77			AR37	32	87	43.68	0.95	2.4			1040	574	1.20	ASA77	AR37	37			73	37.66	1.05	2.8	900	499			1.40	ASAF77			AR37	39			71	35.10	1.10	3.2	785	438			1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6	890		258.18	2.8	ASF87	3.1			775	222.40	3.2	ASA87	3.0	735	225.26	1.75	AS77	6P	76	41	18.24	1.30	3.2		700	214.00	1.80	ASF77	3.6	630	189.09	2.0	ASA77	4.2	545	161.80	2.3		ASAF77	4.1	505	217.41	1.10	AS67				6P				89	35			15.53	1.45			4.7				450	190.11	1.25	ASF67	5.0			430	180.80	1.30	ASA67	5.7	380				158.45	1.45	ASAF67	103	30			13.39	1.60		111	28	12.48			1.70	111		28	12.48	1.70	127			25	10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00		2.5	203	16	6.80	2.7																																																																																																																																																																																																																							
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1.7	1190	831	2.1	1.9	1290		714	0.95	AS77	AR37			27	101	51.30	0.80			2.2	1150	637	1.10	ASF77			AR37	32			87	43.68			0.95					2.4			1040	574			1.20			ASA77	AR37	37	73	37.66	1.05			2.8	900	499	1.40	ASAF77	AR37			39	71	35.10	1.10	3.2	785			438	1.60	3.5	700	389	1.80	3.8	615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37	48	59	28.76	1.30	4.9	470	281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37		4P	2.6	890	258.18			2.8	ASF87		3.1	775	222.40	3.2			ASA87	3.0		735	225.26	1.75	AS77			6P	76	41		18.24	1.30	3.2	700	214.00		1.80	ASF77	3.6	630	189.09		2.0	ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505	217.41	1.10	AS67	6P	89		35	15.53	1.45	4.7	450								190.11	1.25			ASF67	5.0			430				180.80	1.30	ASA67	5.7	380			158.45	1.45	ASAF67	103	30	13.39			1.60			111	28	12.48			1.70	111		28	12.48	1.70	127	25	10.91	1.95		135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																																																																																																																																																																																																																																	
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3.2	785	438	1.60			3.5	700	389	1.80	3.8			615	365	0.95	AS67	AR37	45	63	30.68	1.20	4.3	535	319	1.05	ASF67	AR37			48	59			28.76	1.30			4.9	470			281	1.20	ASA67	AR37	54	52	25.38	1.40	5.6	425	246	1.35	ASAF67	AR37	61	47	22.50	1.55	2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P	2.6	890	258.18	2.8	ASF87	3.1	775	222.40	3.2	ASA87	3.0	735	225.26	1.75	AS77	6P	76	41	18.24	1.30	3.2	700	214.00	1.80	ASF77	3.6	630	189.09	2.0	ASA77	4.2	545	161.80	2.3	ASAF77	4.1	505	217.41	1.10	AS67	6P	89	35	15.53	1.45	4.7	450	190.11	1.25	ASF67	5.0	430	180.80	1.30	ASA67	5.7	380		158.45		1.45	ASAF67	103			30	13.39	1.60		111	28	12.48			1.70	111	28	12.48	1.70	127	25			10.91	1.95	135	23	10.23	2.0	153	21	9.02	2.2	173	18	8.00	2.5	203	16	6.80	2.7																																																																																																																																																																																																																																																																																																																								
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2.4	980	288.00	2.5	AS87	8P	69	44	19.89	1.20	AS37 ASF37 ASA37 ASAF37	4P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	
0.37KW						0.55KW						
104	28	25.38	2.2			9.6	340	94.08	0.85			
118	25	22.50	2.3			11	305	84.00	0.95			
133	24	19.89	1.85			13	265	71.75	1.10	AS57	6P	
145	22	18.24	2.0	AS37		13	250	67.20	1.15	ASF57		
171	19	15.53	2.3	ASF37	2P	16	245	54.59	1.10	ASA57		
198	16	13.39	2.5	ASA37		19	215	47.32	1.25	ASAF57		
212	15	12.48	2.7	ASAF37		20	200	44.22	1.35			
243	13	10.91	3.0			24	176	38.23	1.55			
259	12	10.23	3.1			8.6	370	158.12	0.80			
294	11	9.02	3.3			9.9	330	137.05	0.90			
0.55KW						0.55KW						
1.0	2810	1332	0.90			11	310	128.10	0.95			
1.1	2540	1191	1.00			12	270	110.73	1.10			
1.3	2210	1032	1.15	AS87 AR57	4P	14	235	94.08	1.25			
1.5	2040	930	1.25	ASF87 AR57		16	210	84.00	1.40			
1.6	1840	831	1.35	ASA87 AR57		19	184	71.75	1.55	AS57	4P	
1.9	1600	719	1.55	ASAF87 AR57		20	174	67.20	1.65	ASF57		
2.2	1400	624	1.80			25	167	54.59	1.45	ASA57		
2.4	1270	558	1.95			29	146	47.32	1.70	ASAF57		
3.1	1010	435	2.4		31	137	44.22	1.80				
					36	120	38.23	2.0				
2.7	1380	499	0.90			42	103	32.48	2.4			
3.1	1210	438	1.05	AS77 AR37	4P	47	92	29.00	2.7			
3.5	1070	389	1.15	ASF77 AR37		55	79	24.77	3.1			
4.2	910	327	1.35	ASA77 AR37		59	75	23.20	3.3			
4.7	820	289	1.50	ASAF77 AR37		67	69	20.33	2.4			
5.4	710	250	1.75				16	205	84.00	0.80		
							19	179	71.75	0.95		
5.5	650	246	0.90	AS67 AR37	4P	20	169	67.20	1.00			
6.2	580	221	1.00	ASF67 AR37		25	165	54.59	0.95			
6.9	530	198	1.10	ASA67 AR37		29	144	47.32	1.10			
8.1	455	168	1.25	ASAF67 AR37		31	135	44.22	1.15	AS47	4P	
2.4	1450	288.00	1.70	AS87		36	118	38.23	1.30	ASF47		
2.6	1320	258.18	1.85	ASF87		42	101	32.48	1.55	ASA47		
3.1	1150	222.40	2.1	ASA87	47	91	29.00	1.70	ASAF47			
				ASAF87	55	78	24.77	2.0				
					59	74	23.20	2.1				
3.1	1130	288.00	2.2	AS87	6P	67	69	20.33	1.30			
3.5	1020	258.18	2.4	ASF87		77	60	17.62	1.85			
4.1	900	222.40	2.7	ASA87		83	56	16.47	1.95			
4.4	820	202.96	2.9	ASAF87		96	49	14.24	2.2			
						112	42	12.10	2.6			
						126	37	10.80	2.9			
3.0	1090	225.26	1.15	AS77	8P	147	32	9.23	3.4			
3.2	1040	214.00	1.20	ASF77		44	94	30.68	0.80			
3.6	930	189.09	1.35	ASA77		47	89	28.76	0.85			
4.2	810	161.60	1.55	ASAF77		54	79	25.38	0.95			
						60	70	22.50	1.05			
						71	60	19.13	1.20	AS37	4P	
3.5	960	256.47	1.35	AS77	88	53	15.53	0.95	ASF37			
4.0	850	225.26	1.50	ASF77	102	46	13.39	1.10	ASA37			
4.2	810	214.00	1.55	ASA77	109	43	12.48	1.15	ASAF37			
4.8	730	189.09	1.75	ASAF77	125	37	10.91	1.30				
5.6	635	161.60	2.0		133	35	10.23	1.35				
5.3	660	256.47	1.90	AS77	4P	151	31	9.02	1.50			
6.0	590	225.26	2.2	ASF77		170	28	8.00	1.60			
6.4	560	214.00	2.3	ASA77		200	24	6.80	1.80			
7.2	505	189.09	2.5	ASAF77		94	46	28.76	1.40			
						106	41	25.38	1.50			
						120	37	22.50	1.55			
6.3	520	217.41	1.00		4P	136	34	19.89	1.30			
7.2	465	190.11	1.10			148	32	18.24	1.40	AS37	2P	
7.5	445	180.60	1.15			174	27	15.53	1.55	ASF37		
8.6	395	158.45	1.30	AS67		202	24	13.39	1.75	ASA37		
10	340	134.40	1.55	ASF67		216	22	12.48	1.85	ASAF37		
11	310	121.33	1.65	ASA67		248	19	10.91	2.0			
13	275	106.75	1.85	ASAF67								
13	265	100.80	1.95									
16	230	85.83	2.3									
18	230	75.06	2.1									
21	205	65.63	2.3									

AS



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						0.75KW						
264	18	10.23	2.1	AS37	2P	10	460	134.40	1.15	AS67 ASF67 ASA67 ASAF67	4P	
299	16	9.02	2.2	ASF37		11	420	121.33	1.25			
338	14	8.00	2.5	ASA37		13	375	106.75	1.40			
397	12	6.80	2.4	ASAF37		14	355	100.80	1.40			
						16	305	85.83	1.70			
0.75KW												
1.1	4840	1223	0.85		4P	18	310	75.06	1.55			6P
1.3	4240	1070	1.00			21	275	65.63	1.75			
1.5	3650	928	1.15	AS97 AR57		22	260	62.35	1.85			
1.7	3230	824	1.30	ASF97 AR57		25	230	54.70	2.1			
1.9	2300	714	1.85	ASA97 AR57		30	198	46.40	2.4			
2.2	2450	626	1.70	ASAF97 AR57		13	365	71.75	0.80	AS57 ASF57 ASA57 ASAF57		
2.6	2110	538	2.0			13	345	67.20	0.85			
2.8	1900	484	2.2			16	295	56.61	1.00			
					19	295	47.32	0.90				
						20	275	44.22	1.00			
1.3	3030	1032	0.85		4P	12	365	110.73	0.80	AS57 ASF57 ASA57 ASAF57	4P	
1.5	2780	930	0.90			15	315	94.08	0.95			
1.7	2510	831	1.00	AS87 AR57		16	285	84.00	1.05			
1.9	2190	719	1.15	ASF87 AR57		19	250	71.75	1.15			
2.2	1920	624	1.30	ASA87 AR57		21	235	67.20	1.20			
2.5	1730	558	1.45	ASAF87 AR57		25	225	54.59	1.10			
3.2	1390	435	1.75			29	197	47.32	1.20			
4.3	1060	323	2.3			31	185	44.22	1.35			
4.2	1240	327	1.00	AS77 AR37	36	167	38.23	1.50				
4.8	1110	289	1.10	ASF77 AR37	42	138	32.48	1.80				
5.5	960	250	1.30	ASA77 AR37	48	124	29.00	2.0				
6.3	850	219	1.45	ASAF77 AR37	56	107	24.77	2.3				
2.4	2040	286.40	2.1	AS97	8P	59	100	23.20	2.5	AS47 ASF47 ASA47 ASAF47	4P	
2.6	1890	262.22	2.2	ASF97		68	93	20.33	1.80			
3.0	1690	231.67	2.5	ASA97 ASAF97		78	81	17.62	2.1			
3.1	1540	288.00	1.60	AS87	84	76	16.47	2.2				
3.5	1400	258.18	1.75	ASF87	97	66	14.24	2.6				
4.1	1220	222.40	1.95	ASA87	29	194	47.32	0.80	AS47 ASF47 ASA47 ASAF47			4P
4.4	1120	202.96	2.1	ASAF87	31	182	44.22	0.85				
4.8	1050	288.00	2.2	AS87	36	159	38.23	1.00				
5.3	950	258.18	2.4	ASF87	42	136	32.48	1.15				
6.2	830	222.40	2.8	ASA87	48	122	29.00	1.25				
6.8	765	202.96	3.0	ASAF87	56	106	24.77	1.45				
4.0	1160	225.26	1.10	AS77	59	99	23.20	1.55				
4.2	1110	214.00	1.15	ASF77	68	93	20.33	1.20				
4.8	990	189.09	1.30	ASA77	78	81	17.62	1.35				
5.6	860	161.60	1.45	ASAF77	84	76	16.47	1.45				
5.4	890	256.47	1.45		97	66	14.24	1.65				
6.1	790	225.26	1.60		114	56	12.10	1.95				
6.4	755	214.00	1.70		128	50	10.80	2.2				
7.3	675	189.09	1.90	AS77	150	43	9.23	2.5				
8.5	585	161.60	2.2	ASF77	160	41	8.64	2.7				
9.3	545	148.15	2.3	ASA77	190	34	7.28	3.0				
11	480	130.00	2.5	ASAF77	72	81	19.13	0.85	AS37 ASF37 ASA37 ASAF37	4P		
11	460	123.20	2.6		111	57	12.48	0.85				
13	405	107.83	2.9		127	50	10.91	0.95				
5.4	890	256.47	1.45		135	47	10.23	1.00				
6.1	790	225.26	1.60		153	42	9.02	1.10				
6.4	755	214.00	1.70		173	37	8.00	1.20				
7.3	675	189.09	1.90	AS77	203	32	6.80	1.35				
8.5	585	161.60	2.2	ASF77	141	43	19.13	1.05			AS37 ASF37 ASA37 ASAF37	2P
9.3	545	148.15	2.3	ASA77	174	37	15.53	1.15				
11	480	130.00	2.5	ASAF77	202	32	13.39	1.30				
11	460	123.20	2.6		216	30	12.48	1.35				
13	405	107.83	2.9		248	26	10.91	1.50				
					264	25	10.23	1.55				
					299	22	9.02	1.65				
					338	19	8.00	1.80				
7.3	625	190.11	0.85	AS67	4P	397	17	6.80	1.75			
7.6	595	180.60	0.85	ASF67								
8.7	530	158.45	1.00	ASA67 ASAF67								



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					
1.7	4720	824	0.90			20	360	71.75	0.80		
2.0	3370	714	1.25	AS97	AR57	21	340	67.20	0.85		
2.2	3590	626	1.15	ASF97	AR57	25	290	56.61	0.90		
2.6	3090	538	1.35	ASA97	AR57	30	285	47.32	0.85		
2.9	2790	484	1.50	ASAF97	AR57	32	265	44.22	0.90	AS57	
3.3	2430	420	1.75			37	235	38.23	1.05	ASF57	
						43	200	32.48	1.25	ASA57	4P
2.2	2820	624	0.90			48	179	29.00	1.35	ASAF57	
2.5	2550	558	1.00			57	154	24.77	1.60		
2.9	2240	485	1.10			60	145	23.20	1.70		
3.2	2040	435	1.20	AS87	AR57	72	123	19.45	1.75		
3.7	1790	378	1.35	ASF87	AR57	79	117	17.62	1.45		
4.3	1560	323	1.55	ASA87	AR57	85	110	16.47	1.55		
5.0	1370	281	1.75	ASAF87	AR57	98	95	14.24	1.75		
5.5	1460	255	1.35			116	82	12.10	2.1		
6.3	1280	222	1.55			130	73	10.80	2.3		
6.8	1200	205	1.65			152	63	9.23	2.7		
				AS77	AR37	48	177	29.00	0.90		
6.4	1240	219	1.00	ASF77	AR37	57	153	24.77	1.00		
				ASA77	AR37	60	143	23.20	1.05		
				ASAF77	AR37	72	122	19.54	1.20	AS47	
2.4	3030	286.40	1.40	AS97		79	117	17.62	0.95	ASF47	4P
2.6	2800	262.22	1.50	ASF97		85	109	16.47	1.00	ASA47	
2.9	2500	231.67	1.70	ASA97		98	95	14.24	1.15	ASAF47	
3.5	2160	196.52	1.95	ASAF97		116	81	12.10	1.35		
						130	73	10.80	1.50		
3.2	2310	286.40	1.80	AS97		152	63	9.23	1.75		
3.5	2130	262.22	1.95	ASF97		162	59	8.64	1.85		
4.0	1900	231.67	2.2	ASA97		192	50	7.28	2.1		
				ASAF97							
3.2	2220	288.00	1.10	AS87		175	54	8.00	0.85	AS37	4P
3.6	2010	258.18	1.20	ASF87		206	46	6.80	0.95	ASF37	
4.1	1760	222.40	1.35	ASA87						ASA37	
4.5	1620	202.96	1.45	ASAF87						ASAF37	
4.9	1520	288.00	1.50			202	47	13.39	0.85		
5.4	1370	258.18	1.65	AS87		216	44	12.48	0.90	AS37	
6.3	1200	222.40	1.90	ASF87		248	39	10.91	1.00	ASF37	2P
6.9	1100	202.96	2.0	ASA87		264	36	10.23	1.05	ASA37	
7.8	990	180.00	2.2	ASAF87		299	32	9.02	1.10	ASAF37	
9.2	840	151.30	2.5			338	28	8.00	1.25		
						397	24	6.80	1.20		
6.2	1150	225.26	1.10			1.5KW					
6.5	1100	214.00	1.15			2.0	4590	714	0.90		
7.4	980	189.09	1.30			2.2	4890	626	0.85		
8.7	850	161.60	1.50	AS77		2.6	4220	538	1.00	AS97	AR57
9.4	785	148.15	1.60	ASF77		2.9	3810	484	1.10	ASF97	AR57
11	695	130.00	1.75	ASA77		3.4	3310	420	1.25	ASA97	AR57
11	665	123.20	1.80	ASAF77		3.8	2990	376	1.40	ASAF97	AR57
13	585	107.83	2.0			4.3	2630	327	1.60		
14	535	97.14	2.1								
16	470	85.22	2.3			2.9	3060	485	0.80		
						3.2	2780	435	0.90		
12	605	121.33	0.85			3.7	2450	378	1.00	AS87	AR57
13	540	106.75	0.95			4.4	2130	323	1.15	ASF87	AR57
14	515	100.80	1.00			5.0	1870	281	1.30	ASA87	AR57
16	445	85.83	1.15	AS67		5.5	2000	255	1.00	ASAF87	AR57
18	405	78.00	1.30	ASF67		6.3	1750	222	1.15		
21	400	65.63	1.20	ASA67		6.9	1630	205	1.20		
22	380	62.35	1.25	ASAF67							
26	335	54.70	1.45			2.4	4030	286.40	1.05	AS97	
30	285	46.40	1.65			2.7	3720	262.22	1.15	ASF97	
33	260	41.89	1.85			3.0	3330	231.67	1.25	ASA97	8P
38	230	36.85	2.1			3.6	2870	196.52	1.45	ASAF97	
40	220	34.80	2.2								
47	187	29.63	2.6								

AS



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						
3.2	3150	286.40	1.35	AS97	6P	99	129	14.24	1.30	AS57	4P	
3.5	2910	262.22	1.45	ASF97		117	110	12.10	1.55	ASF57		
4.0	2600	231.67	1.60	ASA97		131	99	10.80	1.70	ASA57		
4.7	2230	196.52	1.90	ASAF97		153	85	9.23	2.0	ASAF57		
4.9	2130	286.40	1.90	AS97	4P	99	129	14.24	0.85	AS47	4P	
5.4	1970	262.22	2.0	ASF97		117	110	12.10	1.00			ASF47
6.1	1760	231.67	2.3	ASA97		131	99	10.80	1.10			ASA47
7.2	1510	196.52	2.7	ASAF97		153	85	9.23	1.30			ASAF47
3.6	2740	258.18	0.90	AS87	6P	163	79	8.64	1.35	AS37	2P	
4.1	2390	222.40	1.00	ASF87		194	67	7.28	1.55			ASF37
4.5	2200	202.96	1.10	ASA87		299	44	9.02	0.85			ASA37
5.1	1980	180.00	1.20	ASAF87		338	39	8.00	0.90			ASAF37
4.9	2060	288.00	1.10	AS87 ASF87 ASA87 ASAF87	4P	2.2KW						
5.5	1860	258.18	1.20			3.4	4900	420	0.85	AS97	AR57	4P
6.3	1630	222.40	1.40			3.8	4410	376	0.95	ASF97	AR57	
6.9	1500	202.96	1.50			4.3	3870	327	1.10	ASA97	AR57	
7.8	1340	180.00	1.65			4.9	3420	287	1.25	ASAF97	AR57	
9.3	1140	151.30	1.90			5.6	3000	252	1.40			
10	1060	139.05	2.0									
11	950	123.48	2.2									
13	850	110.40	2.3									
14	770	99.26	2.5									
7.5	1330	189.09	0.95	AS77 ASF77 ASA77 ASAF77	4P	3.3	4530	286.40	0.95	AS97	6P	
8.7	1150	161.60	1.10			3.6	4180	262.22	1.00	ASF97		
9.5	1060	148.15	1.15			4.1	3730	231.67	1.15	ASA97		
11	940	130.00	1.30			4.8	3210	196.52	1.30	ASAF97		
11	900	123.20	1.35			4.9	3130	286.40	1.30	AS97 ASF97 ASA97 ASAF97	4P	
13	795	107.83	1.45			5.4	2890	262.22	1.40			
15	725	97.14	1.60			6.1	2570	231.67	1.55			
17	640	85.22	1.70			7.2	2210	196.52	1.80			
19	650	75.09	1.70			7.8	2050	180.95	1.90			
20	620	71.33	1.80			8.7	1840	161.74	2.1			
21	510	66.67	2.0			9.7	1670	145.60	2.2			
22	550	63.03	2.0			11	1520	131.85	2.4			
25	440	56.92	2.3			12	1360	116.92	2.6			
26	470	53.87	2.3			13	1240	105.71	2.8			
29	435	49.38	2.5	16	1060	89.60	3.1					
33	385	43.33	2.9									
16	600	85.83	0.85	AS67 ASF67 ASA67 ASAF67	4P	5.5	2730	258.18	0.85	AS87 ASF87 ASA87 ASAF87	4P	
18	550	78.00	0.95			6.3	2380	222.40	0.95			
21	540	65.63	0.90			6.9	2190	202.96	1.05			
23	515	62.35	0.95			7.8	1970	180.00	1.10			
26	455	54.70	1.05			9.3	1680	151.30	1.30			
30	390	46.40	1.25			10	1550	139.05	1.35			
34	355	41.89	1.36			11	1390	123.48	1.50			
38	310	36.85	1.55			13	1250	110.40	1.60			
41	295	34.80	1.60			14	1130	99.26	1.75			
48	255	29.63	1.90			16	990	86.15	1.90			
52	230	26.93	2.1			17	1030	81.76	1.50			
58	220	24.44	1.55			18	890	77.14	2.0			
61	210	23.22	1.60			20	920	70.43	1.75			
69	186	20.37	1.85			22	840	64.27	1.90			
82	159	17.28	2.1	25	750	57.00	2.1					
90	144	15.60	2.4									
103	127	13.73	2.7									
43	270	32.48	0.90	AS57 ASF57 ASA57 ASAF57	4P	11	1390	130.00	0.85	AS77 ASF77 ASA77 ASAF77	4P	
49	245	29.00	1.00			11	1320	123.20	0.90			
57	210	24.77	1.15			13	1170	107.83	1.00			
61	196	23.20	1.25			15	1060	97.14	1.10			
72	167	19.54	1.30			17	940	85.22	1.15			
80	159	17.62	1.05			19	840	75.20	1.30			
86	149	16.47	1.15			21	745	66.67	1.40			
						22	810	63.03	1.35			
						25	645	56.92	1.55			
						26	695	53.87	1.60			
				29	635	49.38	1.75					
				33	560	43.33	1.95					
				34	535	41.07	2.1					

AS



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						3.0KW						
39	470	35.94	2.3		4P	16	1290	85.22	0.85	AS77 ASF77 ASA77 ASAF77	4P	
44	425	32.38	2.6	AS77		19	1150	75.20	0.95			
50	375	28.41	2.8	ASF77		21	1020	66.67	1.00			
56	330	25.07	3.1	ASA77		22	1110	63.03	1.00			
62	310	22.89	2.3	ASAF77		25	880	56.92	1.10			
67	285	20.99	2.5			26	950	53.87	1.15			
30	570	46.40	0.85		4P	28	880	49.39	1.25			AS77 ASF77 ASA77 ASAF77
34	515	41.89	0.95			32	770	43.33	1.40			
38	460	36.85	1.05			34	735	41.07	1.50			
41	435	34.80	1.10			39	645	35.94	1.70			
48	370	29.63	1.30			43	585	32.38	1.85			
52	340	26.93	1.40	AS67		49	515	28.41	2.0			
60	295	23.33	1.60	ASF67		56	455	25.07	2.2			
69	275	20.37	1.25	ASA67		61	430	22.89	1.65			
82	235	17.28	1.45	ASAF67		67	395	20.99	1.80			
90	210	15.60	1.60			76	345	18.42	2.0			
103	186	13.73	1.85			80	330	17.45	2.2			
109	176	12.96	1.95			92	290	15.28	2.5			
128	151	11.03	2.3			102	260	13.73	2.7			
141	137	10.03	2.5			116	230	12.07	3.1			
162	119	8.69	2.8			131	205	10.65	3.5			
99	190	14.24	0.90			4P	40	595	34.80	0.80	AS67 ASF67 ASA67 ASAF67	
117	162	12.10	1.05	AS57	47		510	29.63	0.95			
131	145	10.80	1.15	ASF57	52		465	26.93	1.05			
153	124	9.23	1.35	ASA57	60		405	23.33	1.20			
163	117	8.64	1.40	ASAF57	69		375	20.37	0.90			
194	99	7.28	1.50		81		320	17.28	1.05			
3.0KW							90	290	15.60	1.15		4P
4.9	4710	287	0.90	AS97 AR57	102		255	13.73	1.35			
5.6	4140	252	1.00	ASF97 AR57	108		240	12.96	1.40			
6.4	3620	219	1.15	ASA97 AR57	127		205	11.03	1.65			
6.8	3400	205	1.25	ASAF97 AR57	140		188	10.03	1.80			
4.9	4290	286.40	0.95		161		164	8.69	2.0			
5.3	3960	262.22	1.00		185		143	7.56	2.1			
6.0	3530	231.67	1.15		130		199	10.80	0.85	4P		
7.1	3040	196.52	1.30		152	171	9.23	1.00				
7.7	2810	180.95	1.40	AS97	162	160	8.64	1.05				
8.7	2530	161.74	1.50	ASF97	192	136	7.28	1.10				
9.6	2300	145.60	1.65	ASA97	4.0KW							
11	2090	131.85	1.75	ASAF97	6.5	4780	219	0.90	4P			
12	1870	116.92	1.90		6.9	4490	205	0.95				
13	1700	105.71	2.0		6.1	4650	231.67	0.85	4P			
16	1450	89.60	2.2		7.2	3990	196.52	1.00				
17	1470	80.85	2.2		7.8	3700	180.95	1.05				
7.8	2700	180.00	0.80		8.8	3330	161.74	1.15				
9.2	2300	151.30	0.95		9.8	3020	145.60	1.25				
10	2130	139.05	1.00		11	2750	131.85	1.35				
11	1900	123.48	1.10		12	2460	116.92	1.45				
13	1720	110.40	1.15		13	2230	105.71	1.55				
14	1550	99.26	1.25		16	1910	89.60	1.70				
16	1360	86.15	1.40	AS87	18	1940	80.85	1.65				
17	1460	81.76	1.10	ASF87	20	1720	71.43	1.90				
18	1230	77.14	1.50	ASA87	23	1470	60.59	2.2				
20	1260	70.43	1.25	ASAF87	25	1350	55.79	2.4				
22	1160	64.27	1.40		12	2510	123.48	0.80	4P			
25	1030	57.00	1.55		13	2260	110.40	0.90				
29	870	47.91	1.85		14	2040	99.26	0.95				
32	800	44.03	2.0		16	1790	86.15	1.05				
36	715	39.10	2.2		18	1610	77.14	1.15				
40	640	34.96	2.5		20	1660	70.43	0.95				
					22	1520	64.27	1.05				
					25	1350	57.00	1.20				
					30	1150	47.91	1.40				

AS



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						5.5KW							
32	1060	44.03	1.50			35	1320	41.07	0.85				
36	940	39.10	1.70			40	1160	35.94	0.95				
41	840	34.96	1.90	AS87	4P	44	1050	32.38	1.05				
45	760	31.43	2.1	ASF87		50	920	28.41	1.15				
52	665	27.28	2.4	ASA87		57	820	25.07	1.25				
56	635	25.50	1.95	ASAF87		64	725	22.22	1.35	AS77	4P		
						78	625	18.41	1.15	ASF77			
					82	590	17.45	1.20	ASA77				
					94	520	15.28	1.35	ASAF77				
					104	470	13.76	1.50					
25	1160	56.92	0.85			118	410	12.07	1.75				
26	1250	53.87	0.90			134	365	10.85	2.0				
29	1150	49.38	0.95			151	325	9.44	2.2				
33	1020	43.33	1.10			177	275	8.06	2.5				
35	960	41.07	1.15										
40	850	35.94	1.30			130	370	11.03	0.90	AS67	4P		
44	765	32.38	1.40			143	340	10.03	1.00	ASF67			
50	675	28.41	1.55	AS77	4P	165	295	8.69	1.15	ASA67			
57	600	25.07	1.70	ASF77		189	255	7.56	1.15	ASAF67			
62	565	22.89	1.25	ASA77									
68	520	20.99	1.35	ASAF77									
77	455	18.42	1.55										
81	435	17.45	1.65			7.5KW							
93	380	15.28	1.85			14	4160	105.71	0.85				
103	345	13.76	2.1			16	3560	89.80	0.90				
118	300	12.07	2.4			18	3130	78.26	1.00				
133	265	10.65	2.7			20	3200	71.43	1.05				
150	235	9.44	3.1			22	2630	65.45	1.10	AS97	4P		
176	205	8.06	3.3			24	2730	60.59	1.20	ASF97			
						26	2520	55.79	1.30	ASA97			
82	420	17.28	0.80			29	2260	49.87	1.45	ASAF97			
91	380	15.60	0.90			32	2040	44.89	1.60				
103	335	13.73	1.00	AS67	4P	35	1850	40.65	1.80				
110	320	12.96	1.05	ASF67		40	1650	36.05	2.0				
129	270	11.03	1.25	ASA67		44	1490	32.60	2.2				
142	245	10.03	1.35	ASAF67		54	1240	26.39	2.1				
163	215	8.69	1.55			61	1110	23.59	2.3				
188	188	7.56	1.55			67	1000	21.23	2.6				
						74	910	19.23	2.9				
5.5KW						5.5KW							
8.8	4550	161.74	0.85				32	1970	44.03	0.80			
9.8	4130	145.60	0.90				37	1750	39.10	0.90			
11	3760	131.85	0.95				41	1570	34.96	1.00			
12	3360	116.92	1.05				45	1420	31.43	1.15			
14	3050	105.71	1.15			52	1230	27.28	1.30				
16	2610	89.60	1.25	AS97	4P	56	1180	25.50	1.05	AS87	4P		
18	2290	78.26	1.35	ASF97		67	1000	21.43	1.25	ASF87			
20	2350	71.43	1.40	ASA97		73	920	19.70	1.35	ASA87			
22	1930	65.45	1.50	ASAF97		82	82	17.49	1.50	ASAF87			
24	2000	60.59	1.65			91	730	15.64	1.70				
26	1850	55.79	1.80			102	660	14.06	1.90				
29	1660	49.87	2.0			117	676	12.21	2.2				
32	1500	44.89	2.2			131	616	10.93	2.4				
35	1360	40.65	2.4			158	430	9.07	2.7				
						181	375	7.88	2.7				
19	2200	77.14	0.85				50	1260	28.41	0.85			
22	1850	64.00	0.90				57	1110	25.07	0.90			
25	1850	57.00	0.85			64	990	22.22	1.00				
30	1560	47.91	1.00			78	850	18.42	0.85	AS77	4P		
32	1440	44.03	1.10	AS87	4P	82	810	17.45	0.90	ASF77			
37	1280	39.10	1.25	ASF87		94	705	15.28	1.00	ASA77			
41	1150	34.96	1.40	ASA87		104	640	13.76	1.10	ASAF77			
45	1040	31.43	1.55	ASAF87		118	650	12.07	1.30				
52	910	27.28	1.75			134	495	10.65	1.45				
56	870	25.50	1.45			151	440	9.44	1.65				
67	730	21.43	1.70			177	380	8.06	1.80				
73	675	19.70	1.85										
82	600	17.49	2.1										
91	535	15.64	2.3										
102	485	14.06	2.6										
117	420	12.21	3.0										
131	375	10.93	3.3										

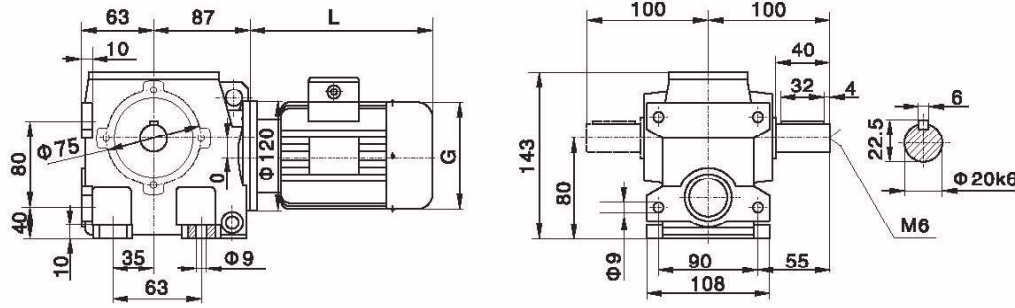
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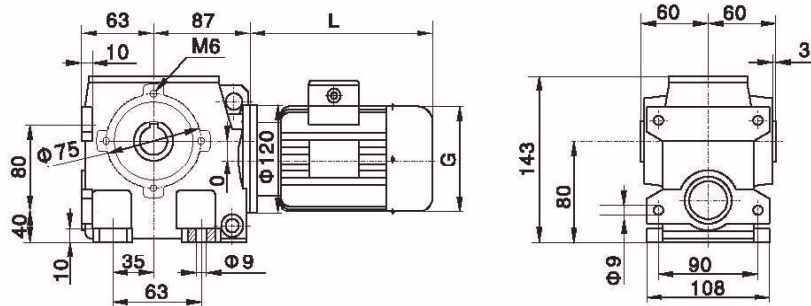
Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	Output speed (r/min)	Output torque (N.M)	Ratio (i)	Service factor (fs)	Type	Motor pole	
11.0KW						22KW						
26	3670	55.79	0.90			53	3630	27.63	0.85			
29	3290	49.87	1.00			61	3180	24.13	0.90			
32	2970	44.89	1.10			69	2870	21.23	0.90			
35	2700	40.65	1.20			76	2600	19.23	1.00	AS97	4P	
40	2400	36.05	1.40			86	2310	17.05	1.10	ASF97		
44	2170	32.60	1.45	AS97		95	2090	15.42	1.20	ASA97		
55	1810	26.39	1.45	ASF97	4P	112	1780	13.07	1.30	ASAF97		
61	1620	23.59	1.60	ASA97		128	1560	11.41	1.40			
68	1460	21.23	1.80	ASAF97		153	1300	9.55	1.55			
75	1320	19.23	1.95			177	1130	8.26	1.55			
84	1180	17.05	2.2									
93	1070	15.42	2.3									
110	900	13.07	2.6									
126	790	11.41	2.8									
53	1800	27.28	0.90									
59	1610	24.43	1.00									
71	1340	20.27	1.20									
73	1340	19.70	0.95	AS87	4P							
82	1190	17.49	1.05	ASF87								
92	1070	15.64	1.15	ASA87								
102	960	14.06	1.30	ASAF87								
118	840	12.21	1.50									
132	750	10.93	1.65									
159	625	9.07	1.85									
183	545	7.88	1.85									
15.0KW												
33	4000	44.89	0.85									
36	3630	40.65	0.90									
41	3230	36.05	1.00									
45	2920	32.60	1.10									
55	2430	26.39	1.05	AS97	4P							
62	2180	23.59	1.20	ASF97								
59	1970	21.23	1.30	ASA97								
76	1780	19.23	1.45	ASAF97								
86	1580	17.05	1.60									
95	1430	15.42	1.70									
112	1220	13.07	1.90									
128	1060	11.41	2.1									
153	890	9.55	2.3									
177	775	8.26	2.3									
93	1430	15.64	0.85									
104	1290	14.06	0.95	AS87	4P							
120	1120	12.21	1.10	ASF87								
134	1010	10.93	1.25	ASA87								
161	840	9.07	1.35	ASAF87								
185	730	7.88	1.40									
18.5KW												
41	3970	36.05	0.85									
45	3590	32.60	0.90									
53	3060	27.63	1.00									
61	2680	24.13	1.05									
69	2420	21.23	1.10	AS97	4P							
76	2190	19.23	1.20	ASF97								
86	1950	17.05	1.30	ASA97								
95	1760	15.42	1.40	ASAF97								
112	1500	13.07	1.55									
128	1310	11.41	1.70									
153	1100	9.55	1.85									
177	950	8.26	1.85									



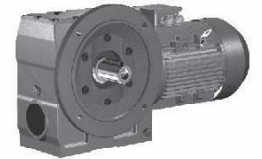
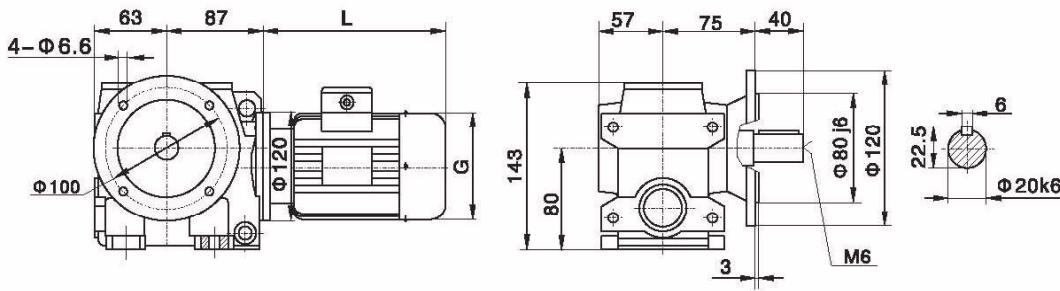
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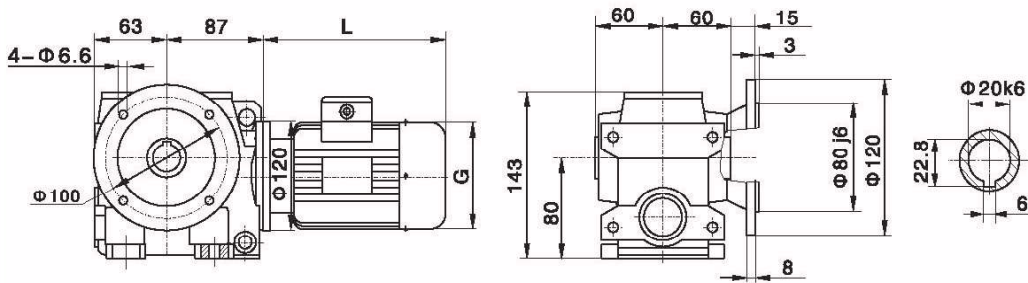
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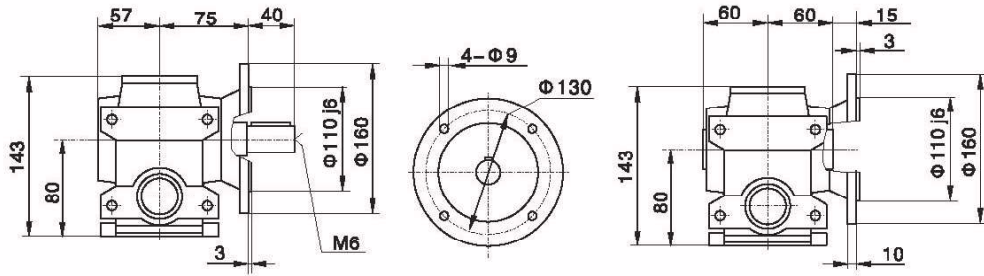
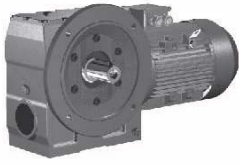
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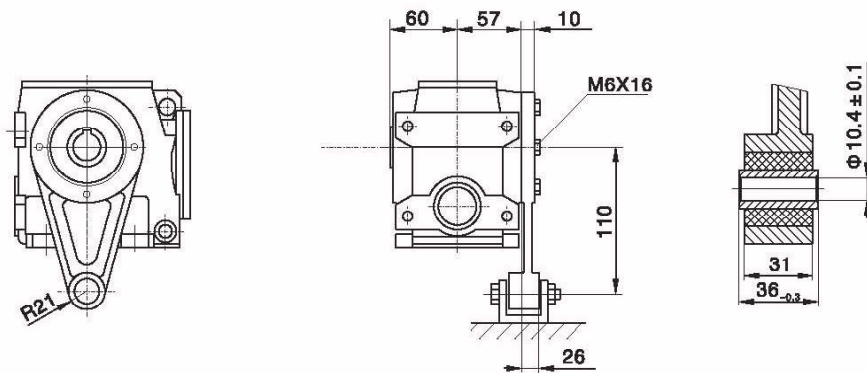
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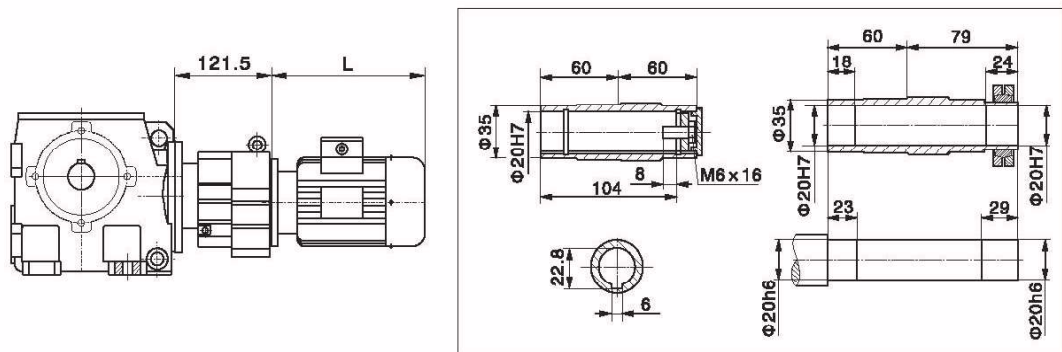
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ASF37(Φ160)



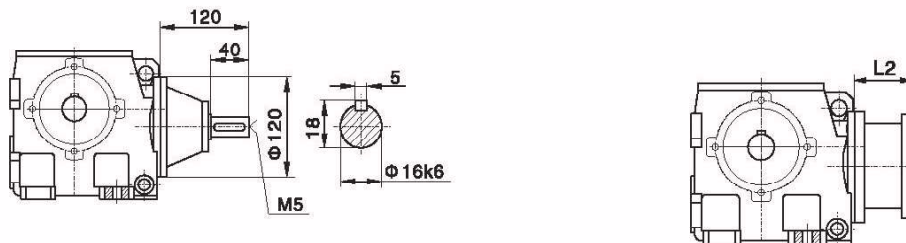
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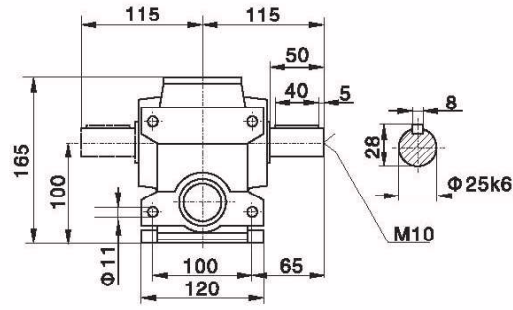
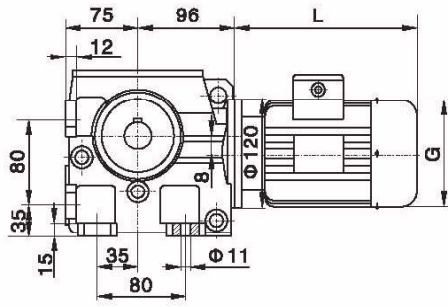
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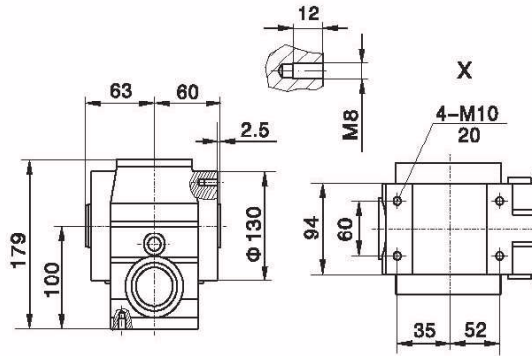
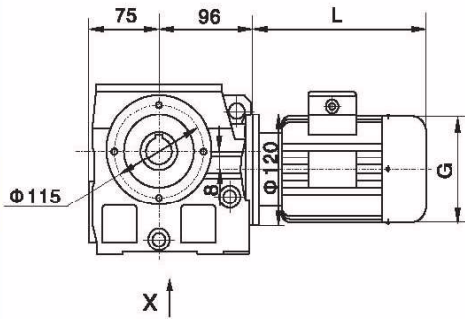
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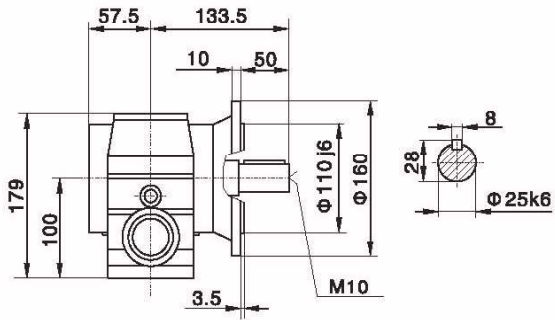
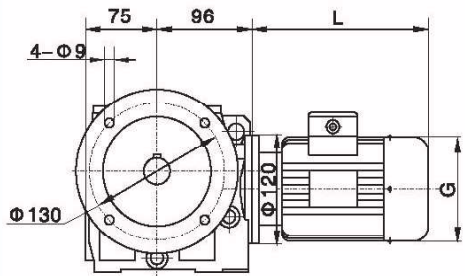
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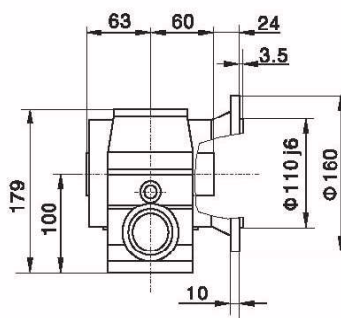
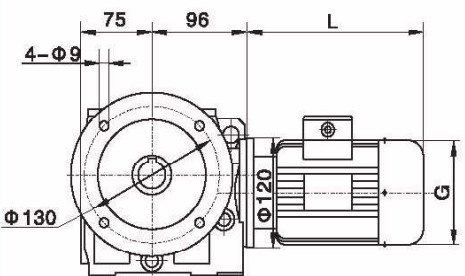
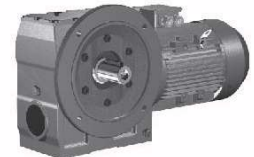
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ASA47



ASA47

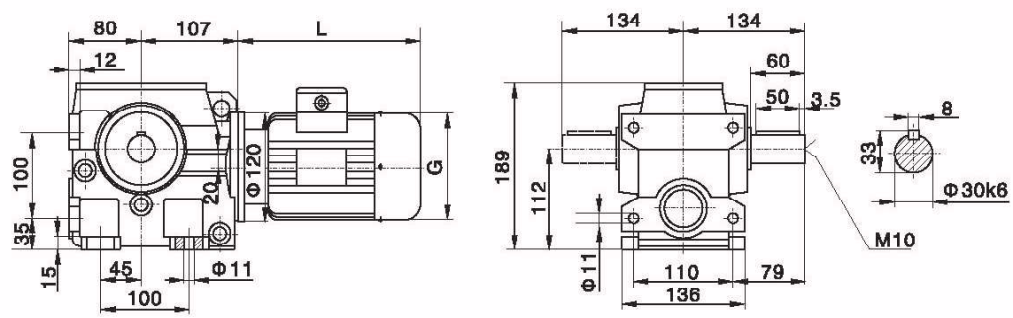


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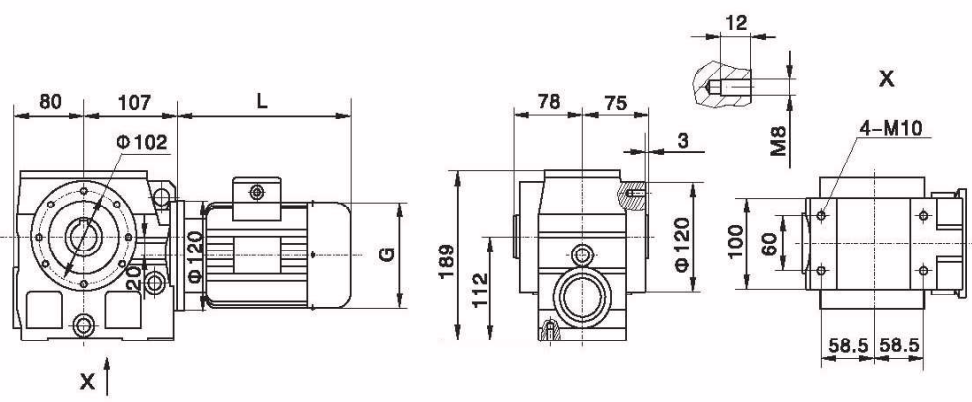




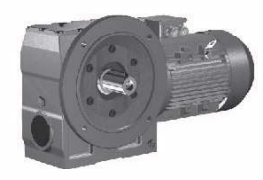
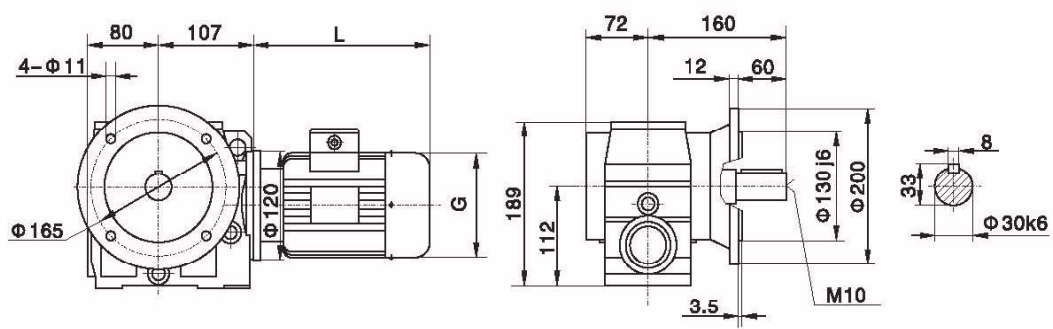
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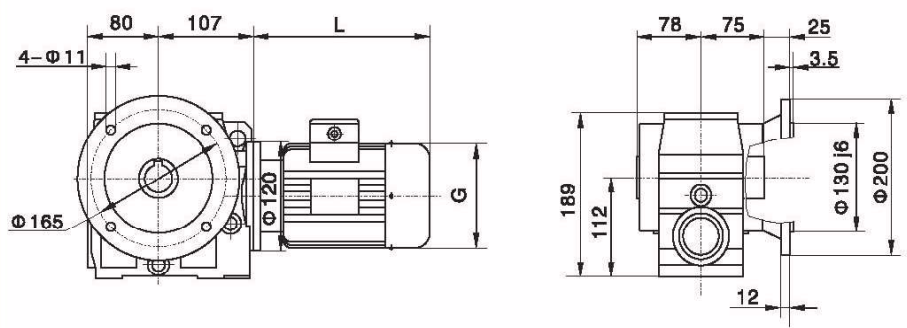
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ASF57



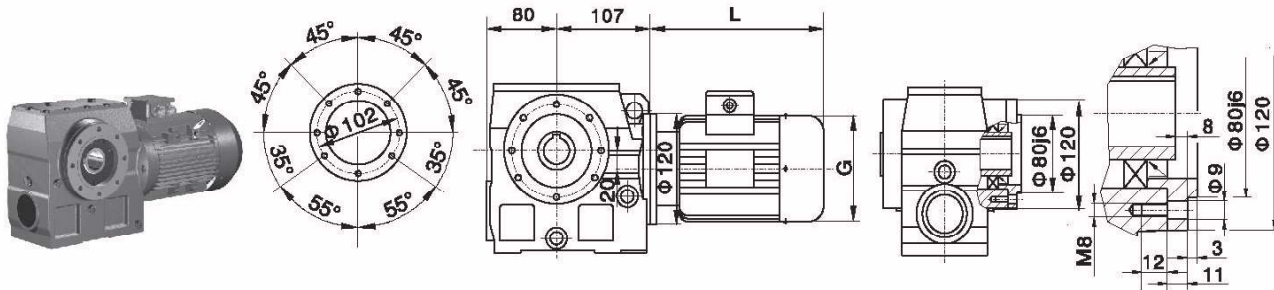
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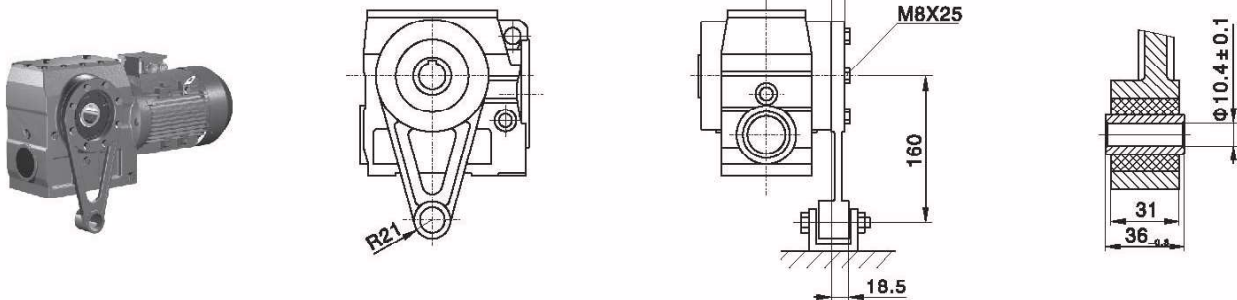
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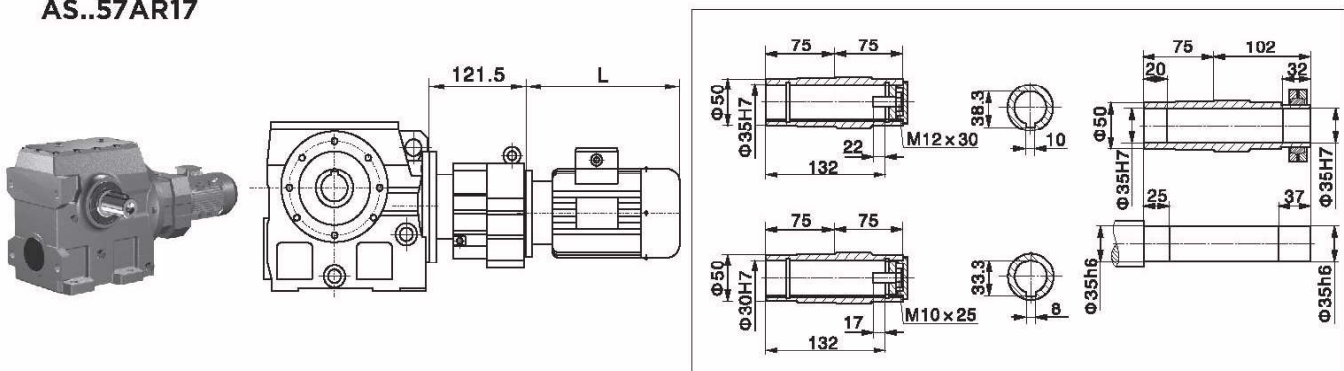


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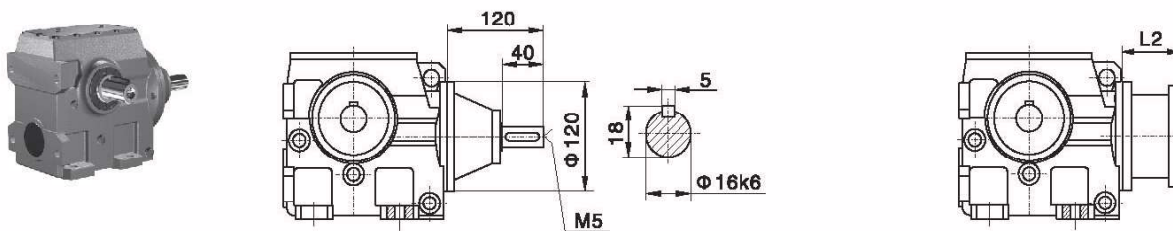


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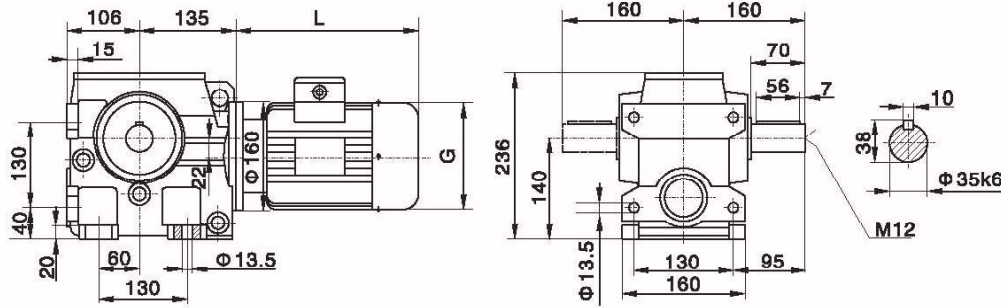


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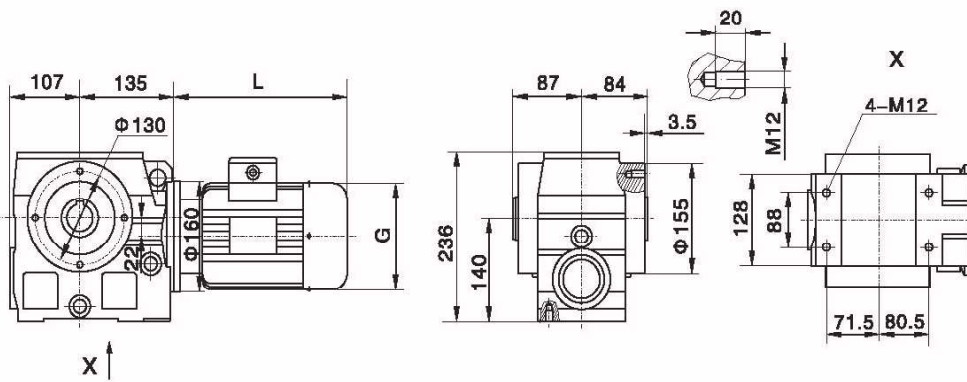




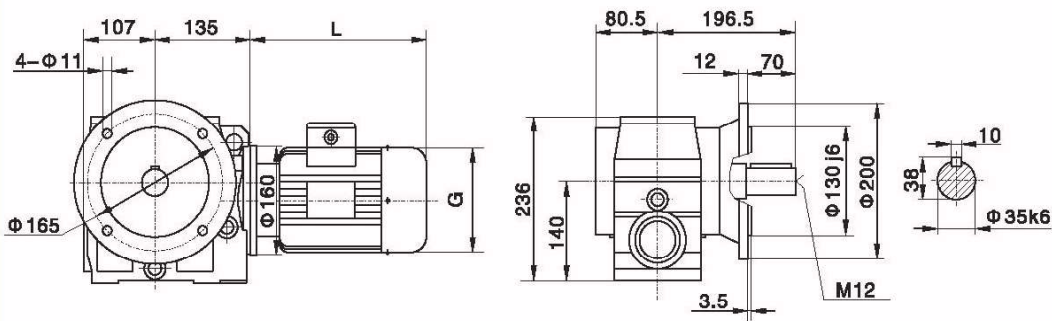
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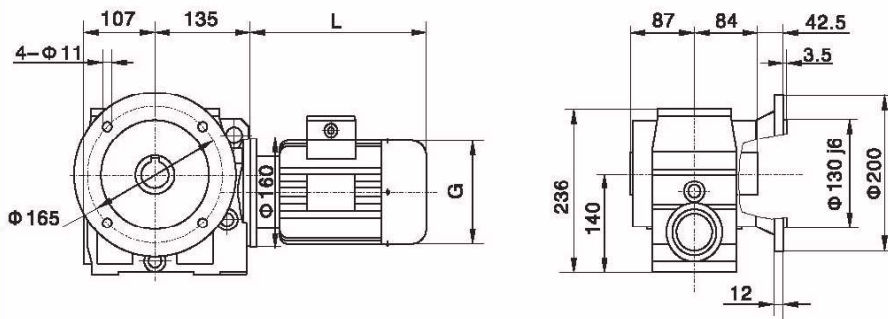
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ASA67



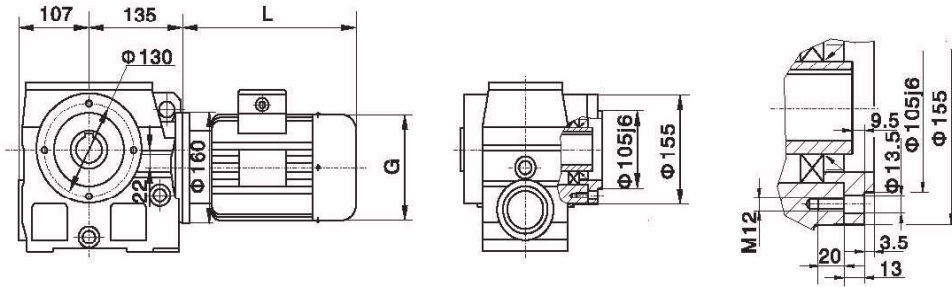
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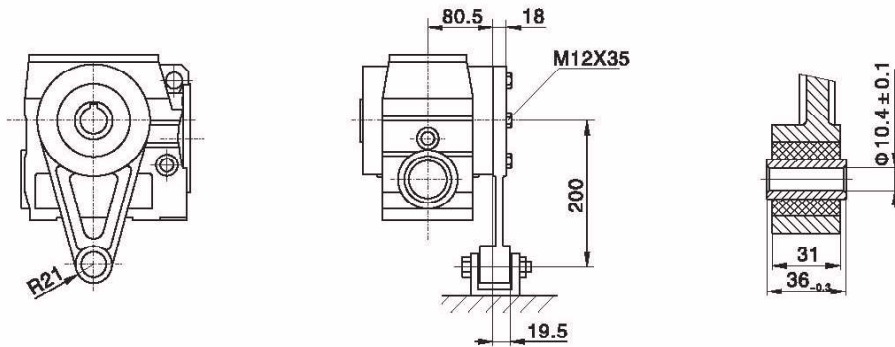
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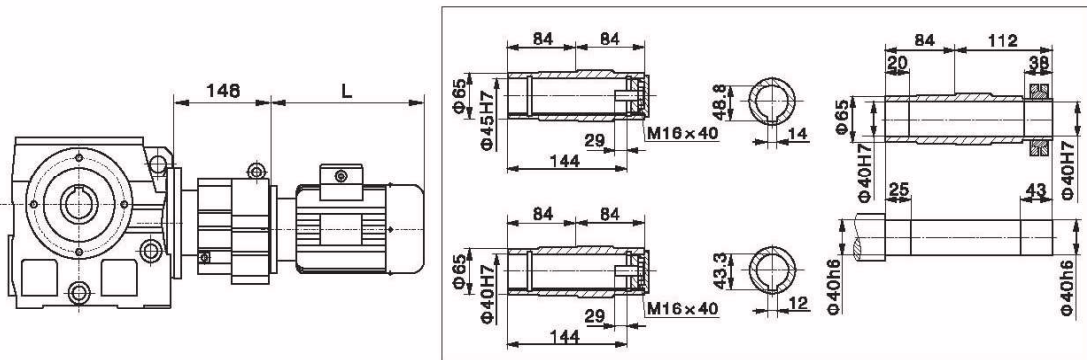
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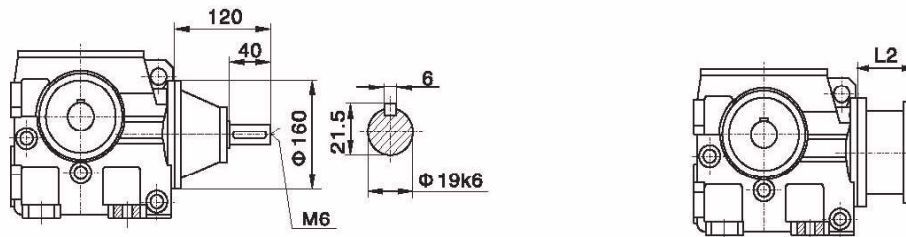
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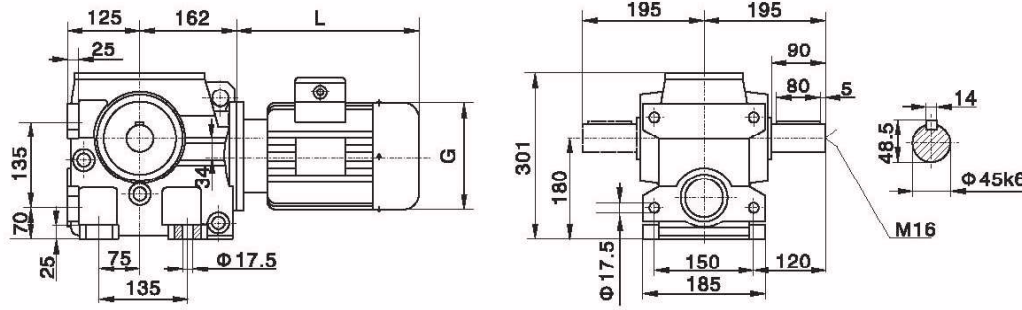
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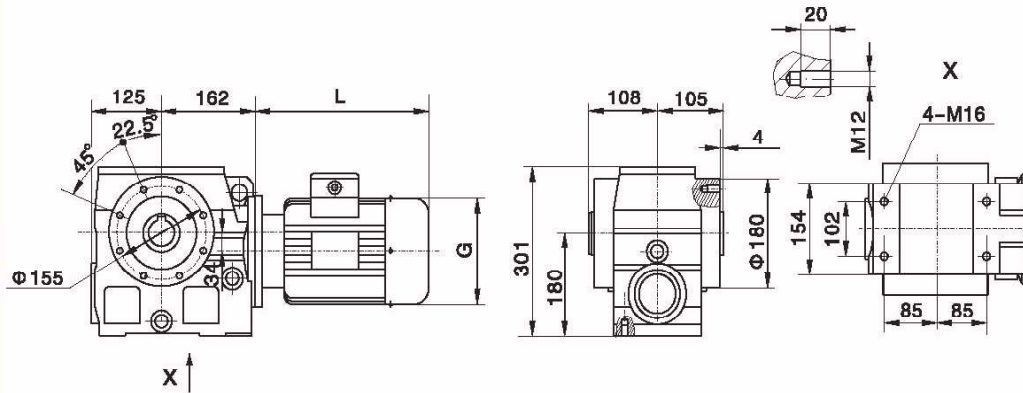
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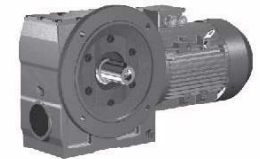
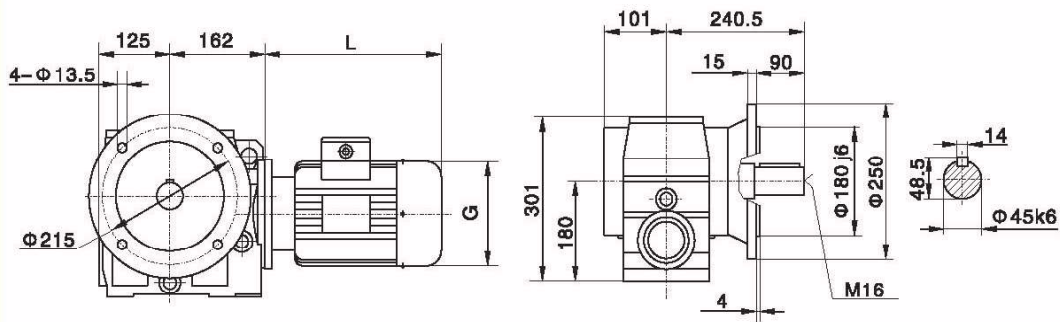
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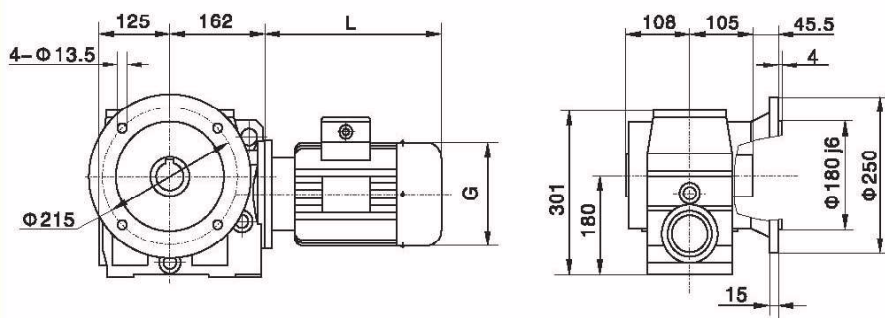
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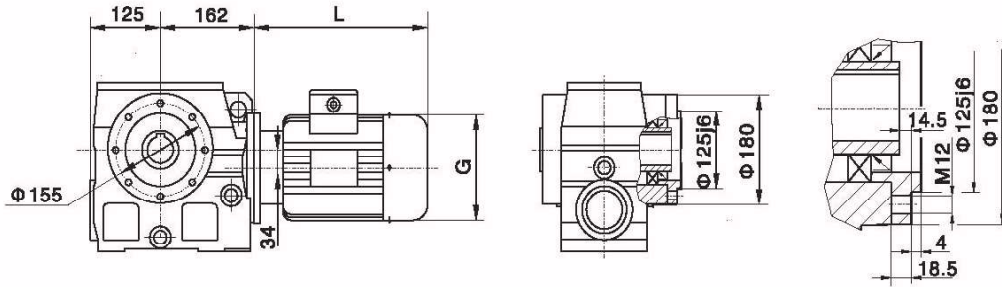
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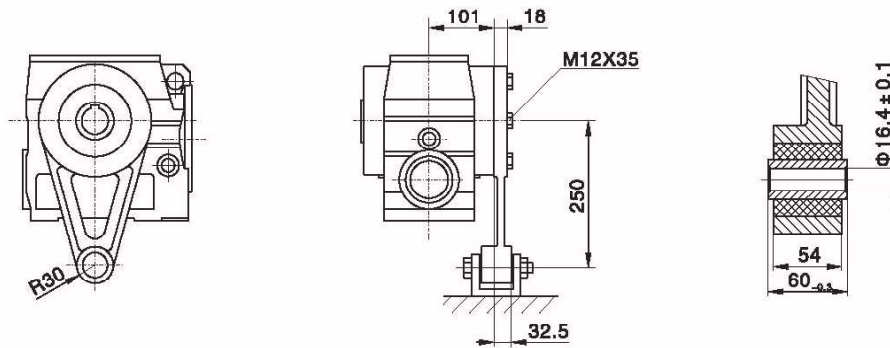
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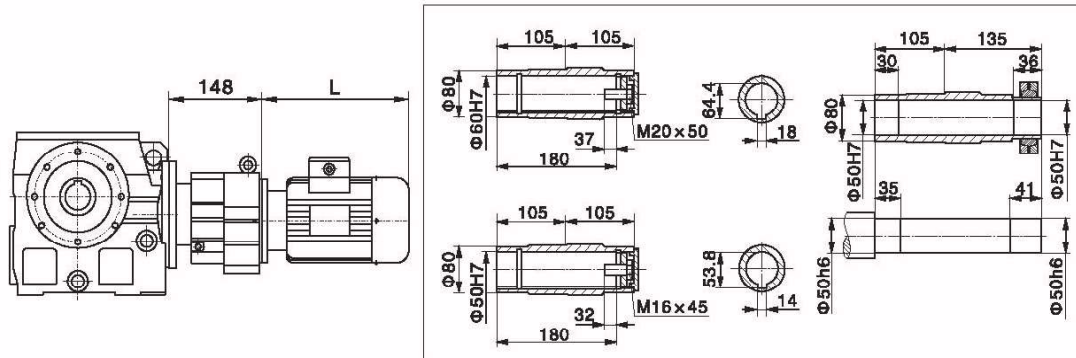
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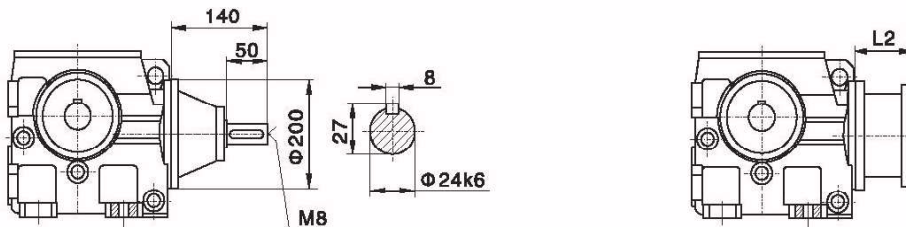
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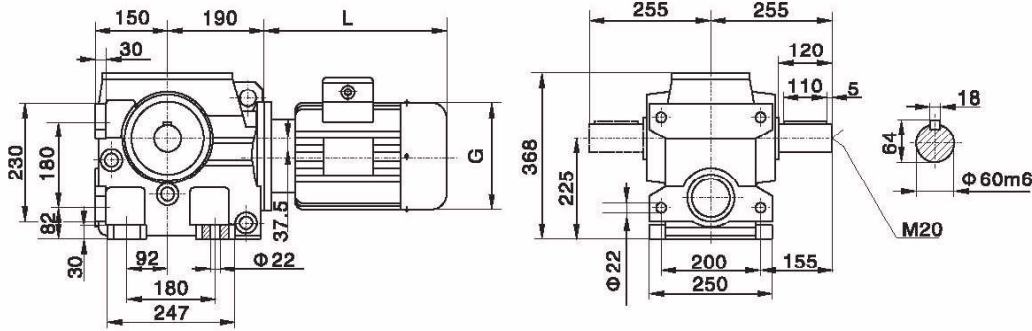
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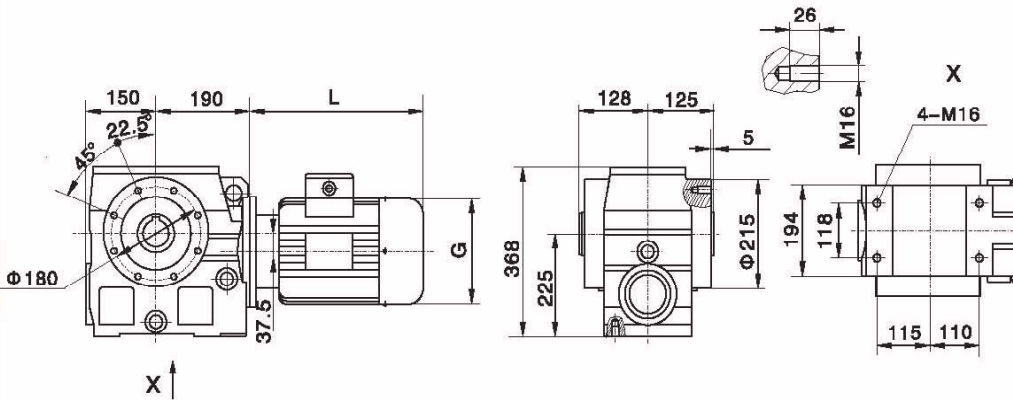
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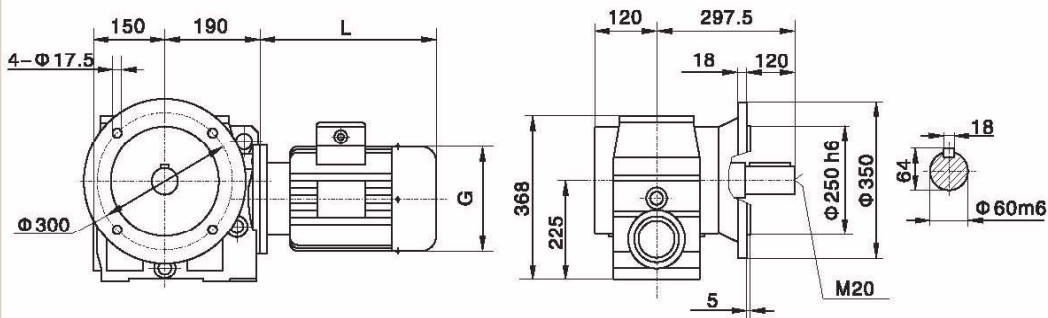
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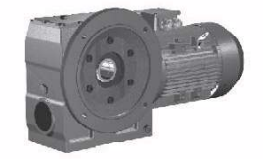
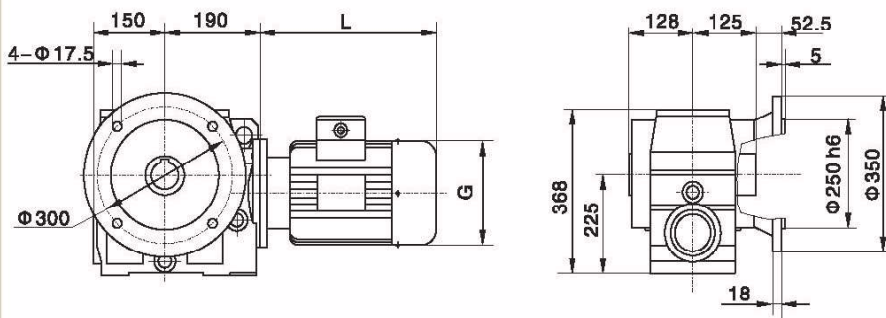
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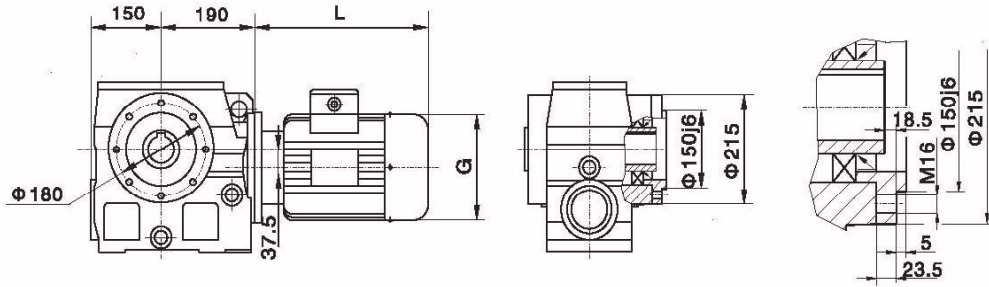
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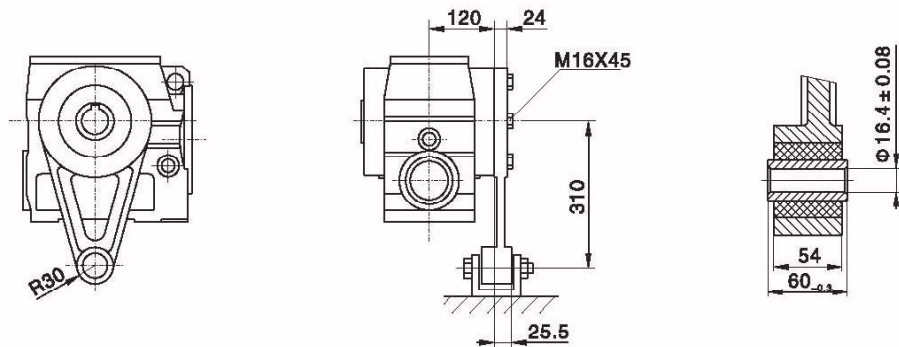
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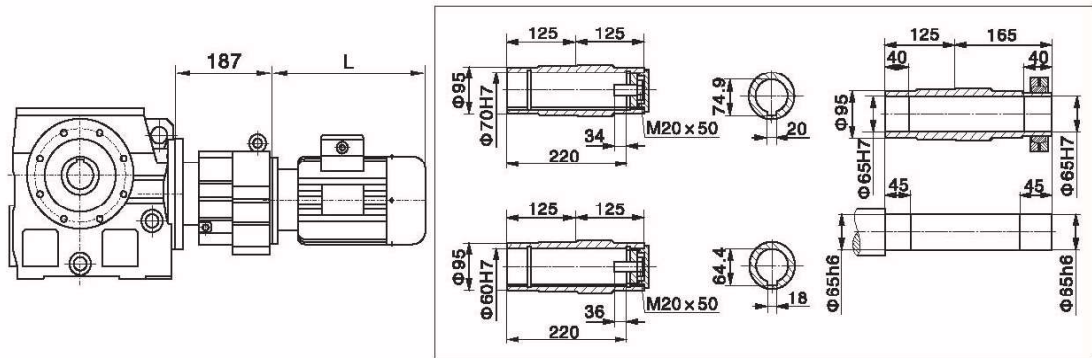
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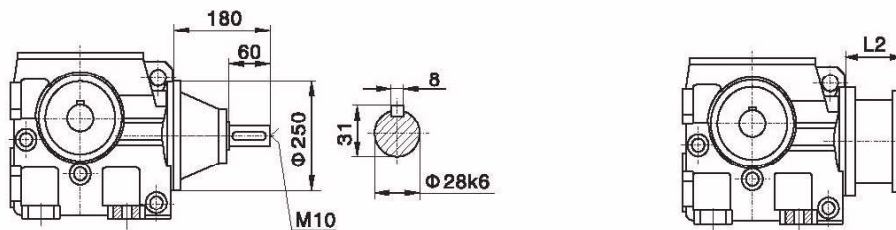
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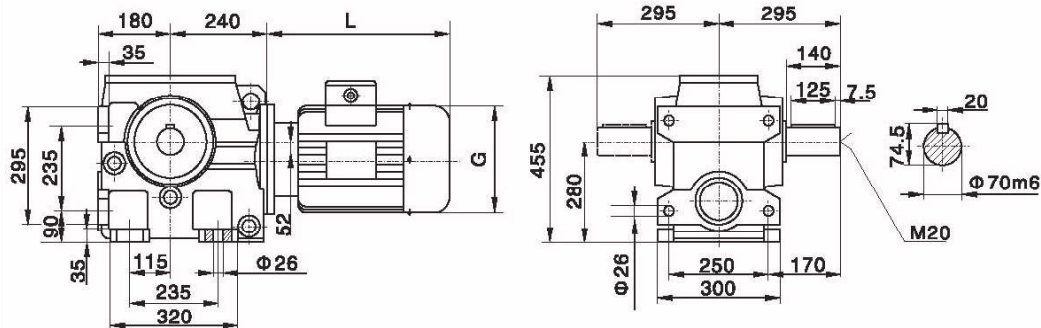
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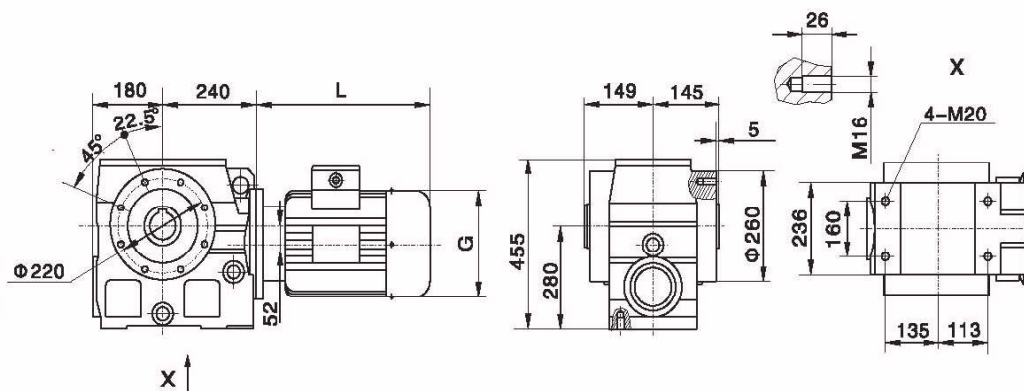
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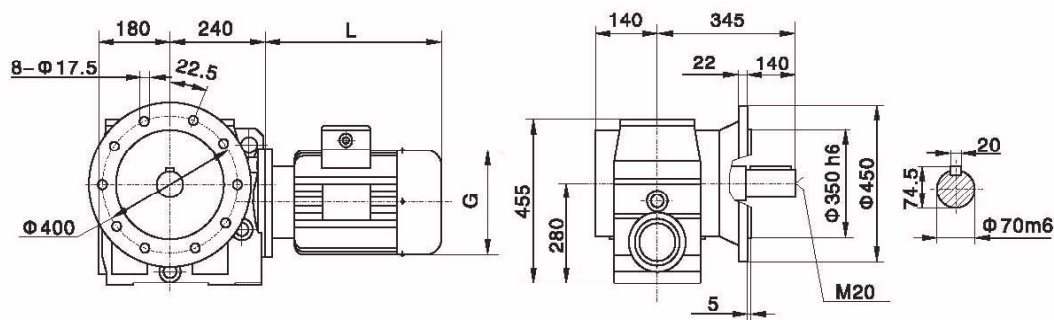
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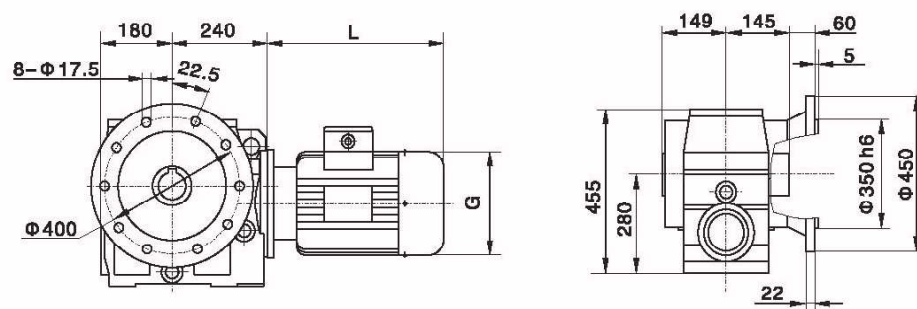
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ASF97



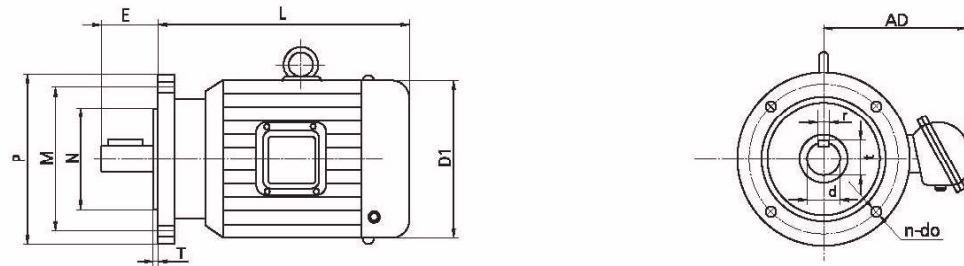
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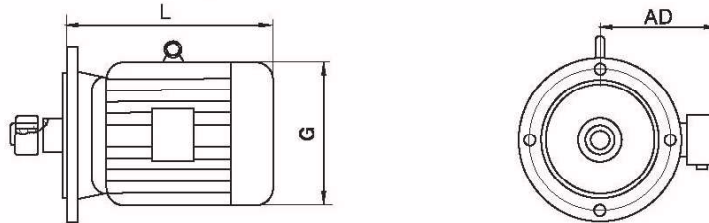
Appearance and Installation Size of Standard Electric Motor (B5)



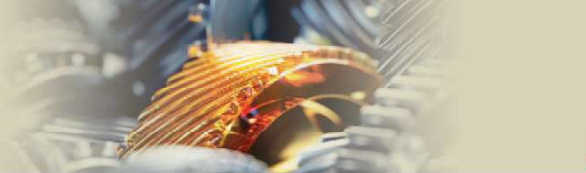
Motor	Motor power and poles			Size												
	4P	6P	8P	M	N (JS6)	P	T	n-do	d	E	r	t	D1	AD	L	
56	0.09 0.12			100	80	120	3	4 × 9	9j6	20	3	11.2	115	90	190	
63	0.12 0.18			115	95	140	3	4 × 10	11j6	23	4	12.5	130	70	217	
71	0.25 0.37	0.18 0.25		130	110	160	3.5	4 × 10	14j6	30	5	16	145	80	225	
80	0.55 0.75	0.37 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	



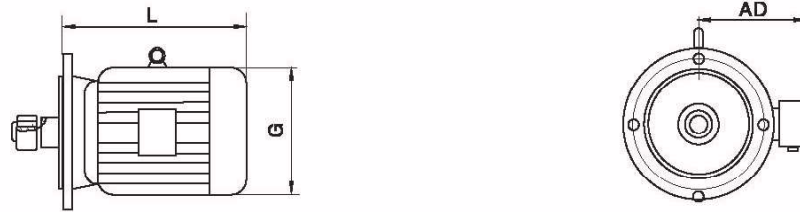
Appearance and Dimension of Direct Input Electric Motor for Helical Gearbox



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) AF(37, 47, 57, 67) AK(37, 47, 57, 67) AS(37, 47, 57, 67)	245	145	80
				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) AF(37, 47, 57, 67, 77) AK(37, 47, 57, 67, 77) AS(37, 47, 57, 67, 77)	278	165	150
				AR(81, 91) AR(87, 97) AF87 AK87 AS(87, 97)	246		
AGM90S	1.1	0.75	0.37	AR(51, 61, 71) AR(27, 37, 47, 57, 67, 77) AF(37, 47, 57, 67, 77) AK(37, 47, 57, 67, 77) AS(37, 47, 57, 67, 77)	304	175	155
				AR(81, 91) AR(87, 97) AF(87, 97) AK(87, 97) AS(87, 97)	280		
AGM90L	1.5	1.1	0.55	AR(51, 61, 71) AR(27, 37, 47, 57, 67, 77) AF(37, 47, 57, 67, 77) AK(37, 47, 57, 67, 77) AS(37, 47, 57, 67, 77)	328	175	155
				AR(81, 91) AR(87, 97) AF(87, 97) AK(87, 97) AS(87, 97)	304		
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) AF(57, 67, 77, 87) AK(47, 57, 67, 77, 87) AS(67, 77, 87)	350		
				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) AF(57, 67, 77, 87) AK(57, 67, 77, 87) AS(67, 77, 87)	380	240	190
				AR(81, 101) AR(97, 107) AF(97, 107) AK(97, 107) AS97	334		
AGM132S	5.5	3	2.2	AR(51, 61, 71, 81, 91) AR(47, 57, 67, 77, 87, 97) AF(67, 77, 87, 97) AK(67, 77, 87, 97) AS(67, 77, 87, 97)	425	275	210
				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) AF(67, 77, 87, 97, 107) AK(67, 77, 87, 97) AS(67, 77, 87, 97)	461	275	210
				AR101, AR107, AF107, AK107	422		
				AR137, AR147, AF127, AK127	424		

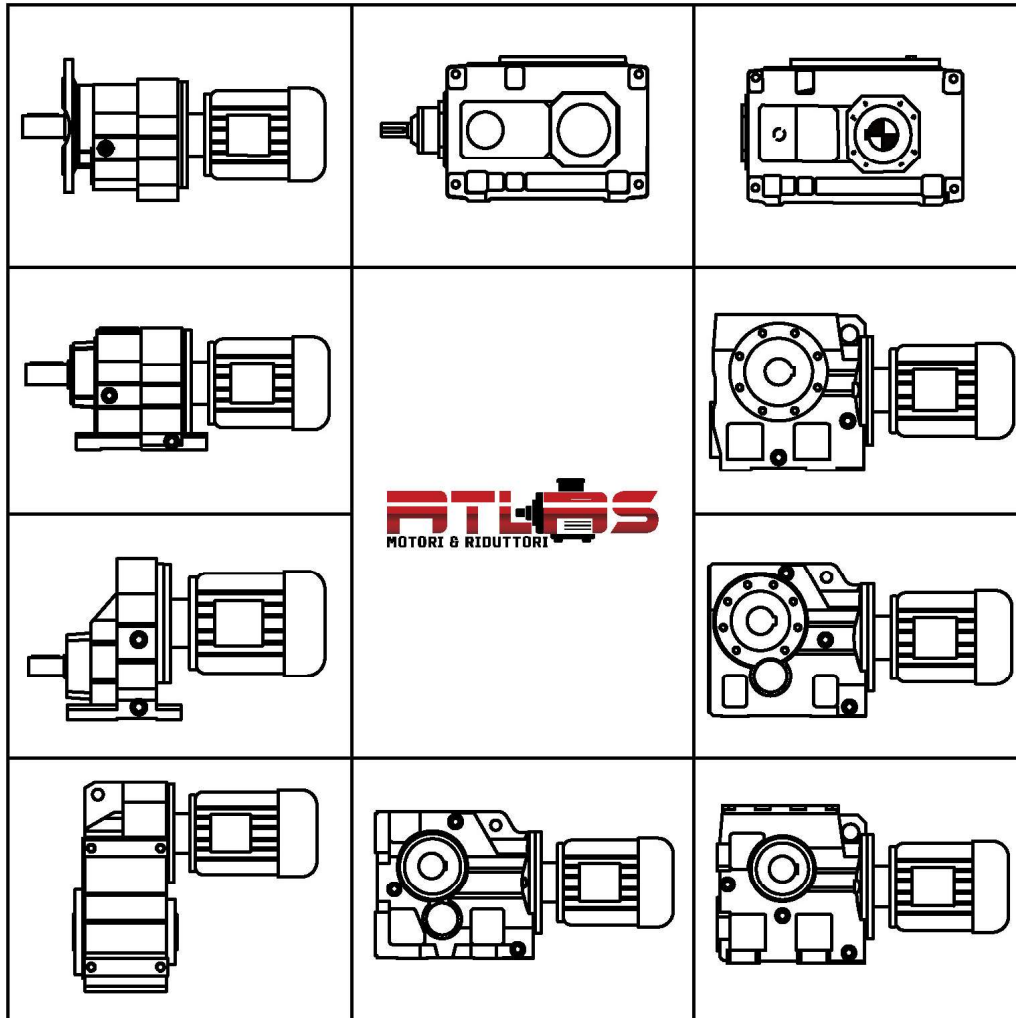


Appearance and Dimension of Direct Input Electric Motor for Helical Gearbox



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) AF(127, 157)	602		
				AR81, AR87, AF87, AK87, AS87	583		
AGM180M	18.5			AR(91, 101) AR(97, 107, 137) AF(97, 107) AK(97, 107) AS97	555	380	280
				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		
				AR(91, 101) AR(97, 107) AF(97, 107) AK(97, 107)	654		
AGM200L	30	18.5 22	15	AR(91, 101) AR(97, 107) AF(97, 107) AK(97, 107)	654	420	305
				AR137, AR147, AK127, AF127	654		
				AR167, AK(157, 167, 187), AF157	642		
AGM225S	37		18.5	AR101, AR107, AR137, AF107, AK107	680	450	345
				AR147, AK127, AF127	674		
				AR167, AK(157, 167, 187), AF157	669		
AGM225M	45	30	22	AR101, AR107, AR137, AF107, AK107	702	450	345
				AR147, AK127, AF127	696		
				AR167, AK(157, 167, 187), AF157	691		
AGM250M	55	37	30	AR137, AR147, AK127, AF127	775	510	370
				AR167, AK(157, 167, 187), AF157	770		
AGM280S	75	45	37	AR(147, 167), AK(127, 157, 167, 187), AF(127, 157)	828	580	410
AGM280M	90	55	45	AR(147, 167), AK(127, 157, 167, 187), AF(127, 157)	879	580	410
AGM315S	110	75	55	AR167, AK(157, 167, 187), AF157	1100	645	530
AGM315M	132	90	75	AR167, AK(157, 167, 187), AF157	1180	645	530
AGM315L1	160	110	90	AR167, AK(157, 167, 187), AF157	1270	645	530
AGM315L2	200	132	110	AR167, AK(157, 167, 187), AF157	1270	645	530

Our Product



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