

YXL 系列铝机座三相异步电动机

YXL SERIES ALUMINUM CASTING FRAME MOTORS

机座号 63~160
工作制 S1

功率 0.12~ 18.5kW
绝缘等级 F



适用于：一般场所和无特殊要求的机械，如金属切削机床、泵、风机、运输机械、搅拌机、农业机械、食品机械等。

Applications: General purpose including cutting machines, pumps, fans, conveyors, machines tools of farm duty and food process.

特点：外型美观，噪声低、振动小，绝缘等级为 F 级，外壳防护等级为 IP54 或 IP55。

Features: High efficiency and energy saving, low noise and little vibration. The insulation class is F; the protective class is IP54 or IP55.

使用条件：海拔不超过 1000m。环境温度随季节变化，但最高不超过+40℃，最低不低于-15℃。

Circumstance For Use: The altitude not exceeding 1000m above sea level. The ambient temperature subject to seasonal variations but not exceeding 40℃ and not less than -15℃.

性能数据 Performance Data

380V 50Hz

型 号 Type	功 率 kW	额定电流 Current A	转 速 r/min	效 率 Eff. %	功率因数 Power Factor	堵转转矩 额定转矩 <u>Locked Rotor Torque</u> Rated Torque	堵转电流 额定电流 <u>Locked Rotor Current</u> Rated Current	最大转矩 额定转矩 <u>Breakdown Torque</u> Rated Torque
同步转速 3000r/min								
YXL 63M1-2	0.18	0.53	2720	65.0	0.80	2.2	5.5	2.2
YXL 63M2-2	0.25	0.69	2720	68.0	0.81	2.2	5.5	2.2
YXL 71M1-2	0.37	0.99	2740	70.0	0.81	2.2	6.1	2.2
YXL 71M2-2	0.55	1.4	2740	73.0	0.82	2.2	6.1	2.3
YXL 80M1-2	0.75	1.8	2845	75.0	0.83	2.2	6.1	2.3
YXL 80M2-2	1.1	2.6	2845	77.0	0.84	2.2	7.0	2.3
YXL 90S-2	1.5	3.4	2840	79.0	0.84	2.2	7.0	2.3
YXL 90L-2	2.2	4.9	2840	81.0	0.85	2.2	7.0	2.3
YXL 100L-2	3	6.3	2860	83.0	0.87	2.2	7.5	2.3
YXL 112M-2	4	8.1	2880	85.0	0.88	2.2	7.5	2.3
YXL 132S1-2	5.5	11.0	2900	86.0	0.88	2.2	7.5	2.3
YXL 132S2-2	7.5	14.9	2900	87.0	0.88	2.2	7.5	2.3
YXL 160M1-2	11	21.3	2930	88.0	0.89	2.2	7.5	2.3
YXL 160M2-2	15	28.8	2930	89.0	0.89	2.2	7.5	2.3
YXL 160L-2	18.5	34.7	2930	90.0	0.90	2.2	7.5	2.3

Shanghai Douli Power Co.,Ltd.

www.doulipower.com

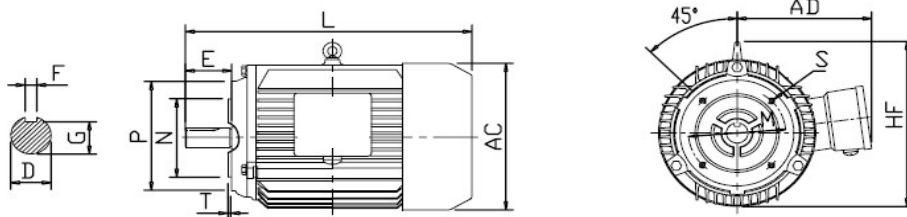
sales@doulipower.com

型 号 Type	功 率 kW	额定电流 Current A	转 速 r/min	效 率 Eff. %	功率因数 Power Factor	堵转转矩 额定转矩 Locked Rotor Torque Rated Torque	堵转电流 额定电流 Locked Rotor Current Rated Current	最大转矩 额定转矩 Breakdown Torque Rated Torque
同步转速 1500r/min								
YXL 63M1-4	0.12	0.44	1310	57.0	0.72	2.1	4.4	2.2
YXL 63M2-4	0.18	0.62	1310	60.0	0.73	2.1	4.4	2.2
YXL 71M1-4	0.25	0.79	1330	65.0	0.74	2.1	5.2	2.2
YXL 71M2-4	0.37	1.12	1330	67.0	0.75	2.1	5.2	2.2
YXL 80M1-4	0.55	1.6	1390	71.0	0.75	2.4	5.2	2.3
YXL 80M2-4	0.75	2.0	1390	73.0	0.76	2.3	6.0	2.3
YXL 90S-4	1.1	2.9	1390	75.0	0.77	2.3	6.0	2.3
YXL 90L-4	1.5	3.7	1390	78.0	0.79	2.3	6.0	2.3
YXL 100L1-4	2.2	5.2	1410	80.0	0.81	2.3	7.0	2.3
YXL 100L2-4	3	6.8	1410	82.0	0.82	2.3	7.0	2.3
YXL 112M-4	4	8.8	1440	84.0	0.82	2.3	7.0	2.3
YXL 132S-4	5.5	11.8	1440	85.0	0.83	2.3	7.0	2.3
YXL 132M-4	7.5	15.6	1440	87.0	0.84	2.3	7.0	2.3
YXL 160M-4	11	22.3	1460	88.0	0.84	2.2	7.0	2.3
YXL 160L-4	15	30.1	1460	89.0	0.85	2.2	7.5	2.3
同步转速 1000r/min								
YXL 71M1-6	0.18	0.74	850	56.0	0.66	1.9	4.0	2.0
YXL 71M2-6	0.25	0.95	850	59.0	0.68	1.9	4.0	2.0
YXL 80M1-6	0.37	1.3	885	62.0	0.70	1.9	4.7	2.0
YXL 80M2-6	0.55	1.8	885	65.0	0.72	1.9	4.7	2.1
YXL 90S-6	0.75	2.3	910	69.0	0.72	2.0	5.5	2.1
YXL 90L-6	1.1	3.2	910	72.0	0.73	2.0	5.5	2.1
YXL 100L-6	1.5	3.9	920	76.0	0.75	2.0	5.5	2.1
YXL 112M-6	2.2	5.6	935	79.0	0.76	2.0	6.5	2.1
YXL 132S-6	3	7.4	960	81.0	0.76	2.1	6.5	2.1
YXL 132M1-6	4	9.8	960	82.0	0.76	2.1	6.5	2.1
YXL 132M2-6	5.5	12.9	965	84.0	0.77	2.1	6.5	2.1
YXL 160M-6	7.5	17.2	970	86.0	0.77	2.0	6.5	2.1
YXL 160L-6	11	24.5	970	87.5	0.78	2.0	6.5	2.1
同步转速 750r/min								
YXL 80M1-8	0.18	0.88	645	51.0	0.61	1.8	3.3	1.9
YXL 80M2-8	0.25	1.15	645	54.0	0.61	1.8	3.3	1.9
YXL 90S-8	0.37	1.49	670	62.0	0.61	1.8	4.0	1.9
YXL 90L-8	0.55	2.17	670	63.0	0.61	1.8	4.0	2.0
YXL 100L1-8	0.75	2.4	680	71.0	0.67	1.8	4.0	2.0
YXL 100L2-8	1.1	3.4	680	73.0	0.69	1.8	5.0	2.0
YXL 112M-8	1.5	4.4	690	75.0	0.69	1.8	5.0	2.0
YXL 132S-8	2.2	6	705	78.0	0.71	1.8	6.0	2.0
YXL 132M-8	3	7.9	705	79.0	0.73	1.8	6.0	2.0
YXL 160M1-8	4	10.3	720	81.0	0.73	1.9	6.0	2.0
YXL 160M2-8	5.5	13.6	720	83.0	0.74	2.0	6.0	2.0
YXL 160L-8	7.5	17.8	720	85.5	0.75	2.0	6.0	2.0

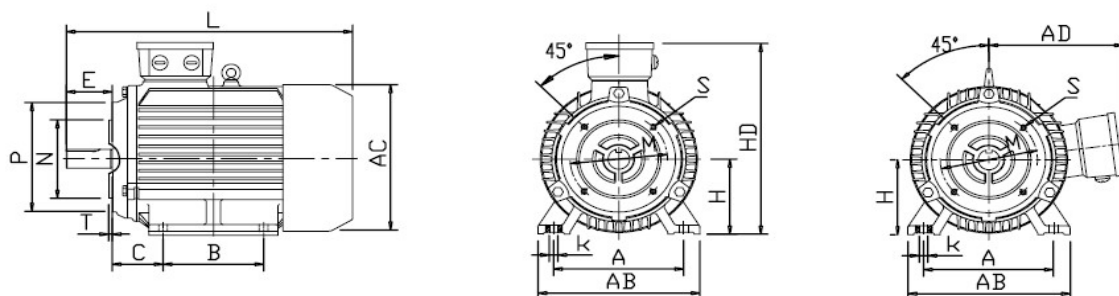
外形及安装尺寸 Dimensions

mm

B14



B34

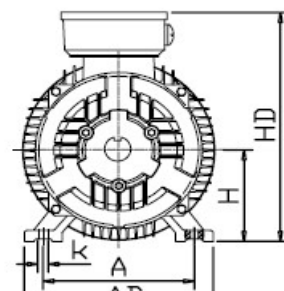
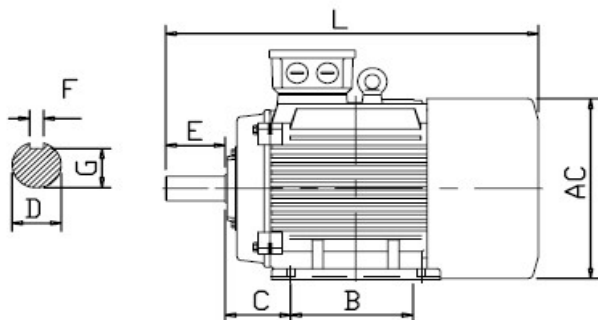


机座 Frame	极数 poles	安装尺寸 Mounting Dimension																外形尺寸 Overall Dimension					
		A	B	C	D	E	F	G	H	M	N	P	R	S	T	K	凸缘孔数	AB	AC	AD	HD	HF	L
63M	2.4	110	80	40	11	23	4	8.5	63	75	60	90	0	M5	2.5	7	4	135	130	70	180	130	230
71M	2.4.6	112	90	45	14	30	5	11	71	85	70	105	0	M6	2.5	7	4	150	145	80	195	145	255
80M	2.4 6.8	125	100	50	19	40	6	15.5	80	100	80	120	0	M6	3	10	4	165	175	145	214	185	295
90S		140	100	56	24	50	8	20	90	115	95	140	0	M8	3	10	4	180	195	155	250	195	320
90L		140	125	56	24	50	8	20	90	115	95	140	0	M8	3	10	4	180	195	155	250	195	345
100L		160	140	63	28	60	8	24	100	130	110	160	0	M8	3.5	12	4	205	215	180	270	245	385
112M		190	140	70	28	60	8	24	112	130	110	160	0	M8	3.5	12	4	230	240	190	300	265	400

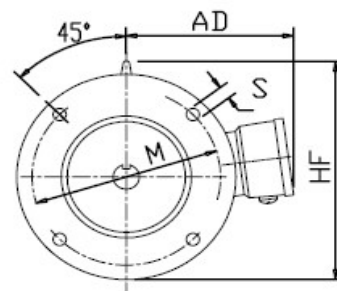
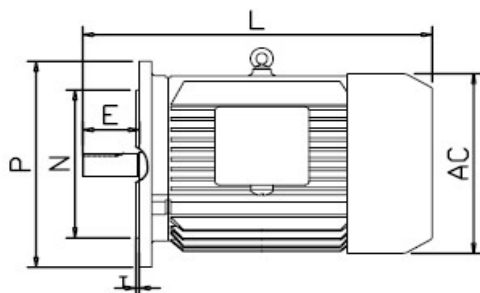
外形及安装尺寸 Dimensions

mm

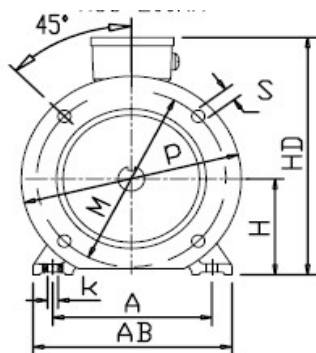
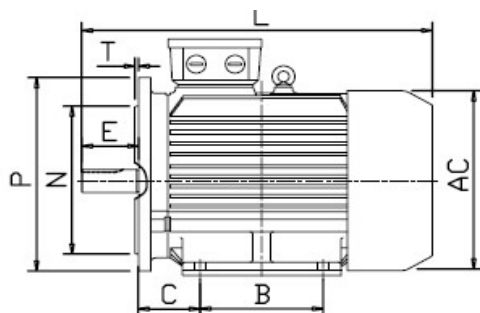
B3



B5



B35



机座 Frame	极数 poles	安装尺寸 Mounting Dimension															外形尺寸 Overall Dimension					
		A	B	C	D	E	F	G	H	M	N	P	R	S	T	K	AB	AC	AD	HD	HF	L
63M	2.4	100	80	40	11	23	4	8.5	63	115	95	140	0	10	3	7	135	130	70	180	130	230
71M	2.4.6	112	90	45	14	30	5	11	71	130	110	160	0	10	3.5	7	150	145	80	195	145	255
80M	2.4.6.8	125	100	50	19	40	6	15.5	80	165	130	200	0	12	3.5	10	165	175	145	220	185	295
90S	2.4.6.8	140	100	56	24	50	8	20	90	165	130	200	0	12	3.5	10	180	195	155	250	195	320
90L	2.4.6.8	140	125	56	24	50	8	20	90	165	130	200	0	12	3.5	10	180	195	155	250	195	345
100L	2.4.6.8	160	140	63	28	60	8	24	100	215	180	250	0	15	4	12	205	215	180	270	245	385
112M	2.4.6.8	190	140	70	28	60	8	24	112	215	180	250	0	15	4	12	230	240	190	300	265	400
132S	2.4.6.8	216	140	89	38	80	10	33	132	265	230	300	0	15	4	12	270	275	210	345	315	470
132M	2.4.6.8	216	178	89	38	80	10	33	132	265	230	300	0	15	4	12	270	275	210	345	315	510
160M	2.4.6.8	254	210	108	42	110	12	37	160	300	250	350	0	19	5	15	320	330	255	420	385	615
160L	2.4.6.8	254	254	108	42	110	12	37	160	300	250	350	0	19	5	15	320	330	255	420	385	670

* 表中外形尺寸为电机最大外形尺寸，实际情况以实物为准。 Data subject to change without notice.

常用的安装结构型式，以及适用的机座号见下表

Conventional mounting type and suitable frame size are given in following table (with “√”)

机座号 Frame	基本安装结构 basic type			派生的安装形式 derived type											
	B3	B5	B35	V1	V3	V5	V6	B6	B7	B8	V15	V36	B14	B34	V18
63~112	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
132~160	√	√	√	√	√	√	√	√	√	√	√	√	-	-	-

“√”表示可以制造生产的结构型式。