



THREE PHASE INVERTER DUTY DIRECT COUPLING GEAR MOTOR



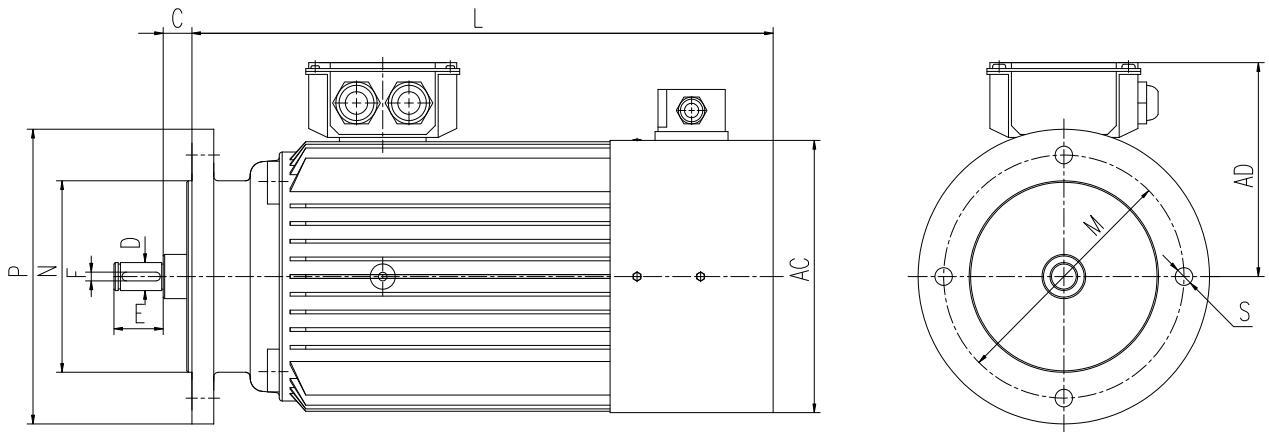
YANGZHOU XIANGXIN ELECTRIC TECHNOLOGY CO., LTD.

Three phase inverter duty direct coupling gear motor is a kind of special three phase asynchronous motor with higher efficiency and lower noise, the motor is the optimal power source of all kinds of gear reducers.

Three phase inverter duty direct coupling gear motor is widely applied to the speed regulation at a constant torque output or at a constant power output of the main shaft transmission of CNC machine, textile machine, chemical industry, paper industry and metallurgical industry, also widely applied to the energy-saving speed regulation of fans and water pumps.

Three phase inverter duty direct coupling gear motor can achieve the higher precision via a speed sensor in a closed loop control system.

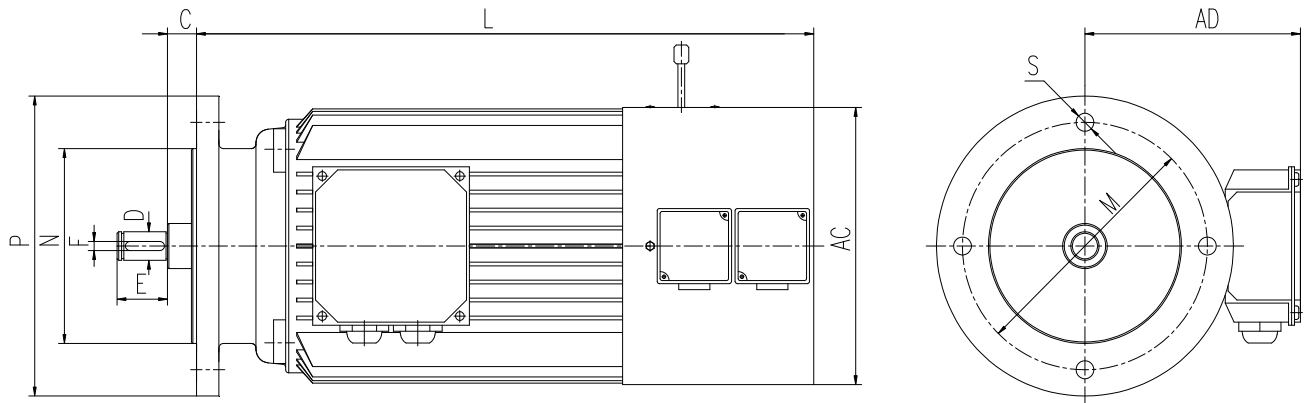
YVF2 SERIES INVERTER DUTY DIRECT COUPLING GEAR MOTOR



Note:

1. The dimensions D , E , C , F are confirmed by the customer.
2. When the flange dimension P is $\Phi 450$ or $\Phi 550$, there are 8 mounting through holes which are in vertical distribution on the mounting surface of the flange.

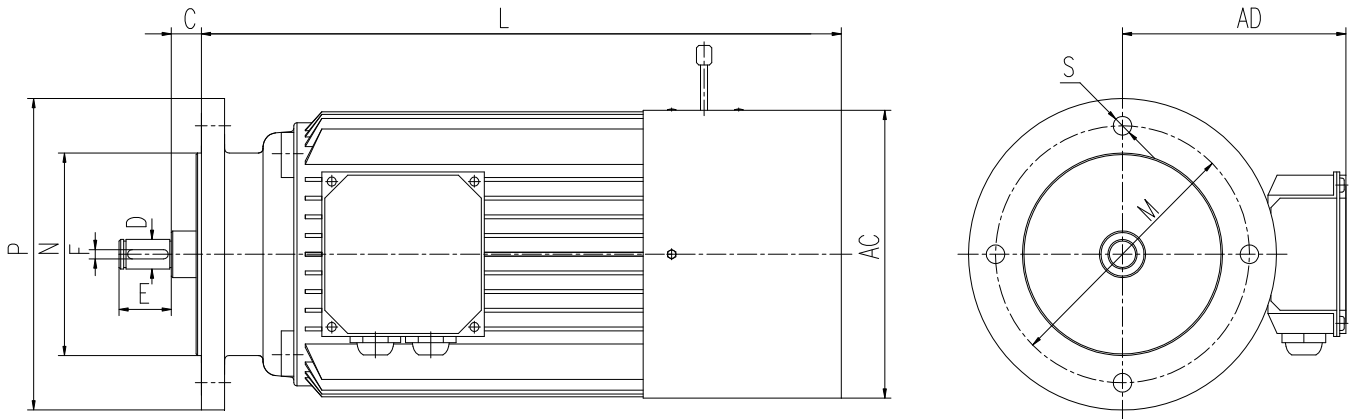
**YVF2-EJ SERIES ELECTROMAGNETIC BRAKING
INVERTER DUTY DIRECT COUPLING GEAR MOTOR**



Note:

1. The dimensions D , E , C , F are confirmed by the customer.
2. When the flange dimension P is $\Phi 450$ or $\Phi 550$, there are 8 mounting through holes which are in vertical distribution on the mounting surface of the flange.

**YEJ SERIES ELECTROMAGNETIC BRAKING
DIRECT COUPLING GEAR MOTOR**



Note:

1. The dimensions D , E , C , F are confirmed by the customer.
2. When the flange dimension P is $\Phi 450$ or $\Phi 550$, there are 8 mounting through holes which are in vertical distribution on the mounting surface of the flange.

Outline Mounting Dimensions (mm)									
Frame Size	P	M	N	S	L			AC	AD
					YVF2	YVF2-EJ	YEJ		
71M	120	100	80	4-Φ7	305	340	305	145	120
	160	130	110	4-Φ9	295	325	295		
	200	165	130	4-Φ11					
80M	120	100	80	4-Φ7	370	420	375	175	145
	160	130	110	4-Φ9	360	410	365		
	200	165	130	4-Φ11	335	385	340		
	250	215	180	4-Φ14					
	300	265	230	4-Φ14					
90S(L)	120	100	80	4-Φ7	385	440	410	195	155
	160	130	110	4-Φ9					
	200	165	130	4-Φ11	350	410	375		
	250	215	180	4-Φ14					
	300	265	230	4-Φ14					
100L	120	100	80	4-Φ7	430	490	460	215	180
	160	130	110	4-Φ9					
	200	165	130	4-Φ11	425	485	455		
	250	215	180	4-Φ14	385	450	420		
	300	265	230	4-Φ14					
	350	300	250	4-Φ18					
112M	160	130	110	4-Φ9	475	545	510	240	190
	200	165	130	4-Φ11					
	250	215	180	4-Φ14	435	505	470		
	300	265	230	4-Φ14					
	350	300	250	4-Φ18					
132S(M)	160	130	110	4-Φ9	530	610	560	275	210
	200	165	130	4-Φ11					
	250	215	180	4-Φ14					
	300	265	230	4-Φ14	480	560	510		
	350	300	250	4-Φ18					
	400	350	300	4-Φ18					
	450	400	350	8-Φ18					
160M	200	165	130	4-Φ11	640	725	650	330	255
	250	215	180	4-Φ14					
	300	265	230	4-Φ14	625	710	635		
	350	300	250	4-Φ18	600	685	610		
	400	350	300	4-Φ18	570	655	580		
	450	400	350	8-Φ18					
	550	500	450	8-Φ18					
160L	200	165	130	4-Φ11	685	770	695	330	255
	250	215	180	4-Φ14					
	300	265	230	4-Φ14	670	755	680		
	350	300	250	4-Φ18	645	730	655		
	400	350	300	4-Φ18	615	700	625		
	450	400	350	8-Φ18					
	550	500	450	8-Φ18					

Outline Mounting Dimensions (mm)									
Frame Size	P	M	N	S	L			AC	AD
					YVF2	YVF2-EJ	YEJ		
180M	250	215	180	4-Φ14	715	805	735	380	280
	300	265	230	4-Φ14					
	350	300	250	4-Φ18	680	770	700		
	400	350	300	4-Φ18	640	730	660		
	450	400	350	8-Φ18					
	550	500	450	8-Φ18					
180L	250	215	180	4-Φ14	755	845	775	380	280
	300	265	230	4-Φ14					
	350	300	250	4-Φ18	720	810	740		
	400	350	300	4-Φ18	680	770	700		
	450	400	350	8-Φ18					
	550	500	450	8-Φ18					
200L	300	265	230	4-Φ14	795	895	845	420	305
	350	300	250	4-Φ18					
	400	350	300	4-Φ18	765	865	815		
	450	400	350	8-Φ18					
	550	500	450	8-Φ18					
225S	350	300	250	4-Φ18	830	950	880	470	335
	400	350	300	4-Φ18					
	450	400	350	8-Φ18	780	900	830		
	550	500	450	8-Φ18					
225M	350	300	250	4-Φ18	855	975	905	470	335
	400	350	300	4-Φ18					
	450	400	350	8-Φ18	805	925	855		
	550	500	450	8-Φ18					
250M	400	350	300	4-Φ18	985	1110	1035	510	370
	450	400	350	8-Φ18					
	550	500	450	8-Φ18	920	1045	970		
280S	400	350	300	4-Φ18	1040	1165	1070	580	410
	450	400	350	8-Φ18					
	550	500	450	8-Φ18	975	1100	1005		
280M	400	350	300	4-Φ18	1090	1215	1120	580	410
	450	400	350	8-Φ18					
	550	500	450	8-Φ18	1025	1150	1055		

71~132 Series 400V 50Hz Ins.Cl F IP55 IC411 S1 C&U Bearing Aluminium Housing Motor Data											
Type	kW	HP	I _N (A)	r/min	Eff (%)	Cosφ	N•m	I _{st} /I _N	T _{st} /T _N	T _{max} /T _N	dB(A)
2 Poles (3000r/min)											
71A-2	0.37	0.50	0.94	2740	70.0	0.81	1.29	6.1	2.2	2.2	64
71B-2	0.55	0.75	1.33	2740	73.0	0.82	1.92	6.1	2.2	2.3	64
80MA-2	0.75	1	1.62	2880	80.7	0.83	2.49	5.5	1.8	3.5	64
80MB-2	1.1	1.5	2.31	2880	82.7	0.83	3.65	7.5	2.6	3.5	64
90S-2	1.5	2	3.10	2895	84.2	0.83	4.95	7.1	2.6	3.5	67
90L-2	2.2	3	4.35	2895	85.9	0.85	7.26	7.0	2.0	3.0	67
100L-2	3	4	5.65	2895	87.1	0.88	9.90	8.6	2.0	3.2	73
112M-2	4	5.5	7.45	2905	88.1	0.88	13.1	8.0	1.8	2.9	74
132SA-2	5.5	7.5	10.1	2930	89.2	0.88	17.9	7.5	2.1	2.5	77
132SB-2	7.5	10	13.7	2930	90.1	0.88	24.4	7.3	2.0	3.5	77
4 Poles (1500r/min)											
71A-4	0.25	0.34	0.75	1330	65.0	0.74	1.80	6.0	2.2	2.3	55
71B-4	0.37	0.50	1.06	1330	67.0	0.75	2.66	6.0	2.2	2.3	55
80MA-4	0.55	0.75	1.49	1390	71.1	0.75	3.78	6.0	2.3	2.3	58
80MB-4	0.75	1	1.77	1420	82.5	0.74	5.04	6.0	2.9	3.6	58
90S-4	1.1	1.5	2.55	1445	84.1	0.74	7.27	6.5	2.7	3.8	58
90L-4	1.5	2	3.43	1445	85.3	0.74	9.91	6.8	3.0	3.6	61
100LA-4	2.2	3	4.70	1445	86.7	0.78	14.5	7.2	2.5	3.5	61
100LB-4	3	4	6.33	1445	87.7	0.78	19.8	7.2	2.6	3.5	64
112M-4	4	5.5	8.15	1460	88.6	0.80	26.2	7.0	2.3	3.2	64
132S-4	5.5	7.5	11.1	1460	89.6	0.80	36.0	7.1	2.7	3.5	65
132M-4	7.5	10	14.6	1460	90.4	0.82	49.1	7.2	2.7	3.8	70
6 Poles (1000r/min)											
71A-6	0.18	0.25	0.70	850	56.0	0.66	2.02	4.5	1.9	2.0	52
71B-6	0.25	0.34	0.90	850	59.0	0.68	2.81	4.5	1.9	2.0	52
80MA-6	0.37	0.50	1.23	885	62.0	0.70	3.99	4.7	1.9	2.0	54
80MB-6	0.55	0.75	1.69	885	65.0	0.72	5.94	4.7	1.9	2.1	54
90S-6	0.75	1	2.25	935	78.9	0.61	7.66	4.5	2.5	3.3	57
90L-6	1.1	1.5	2.84	945	81.0	0.69	11.1	4.4	1.7	3.3	57
100L-6	1.5	2	3.80	950	82.5	0.69	15.1	5.0	2.3	3.0	61
112M-6	2.2	3	5.31	955	84.3	0.71	22.0	5.5	2.6	3.0	65
132S-6	3	4	7.12	965	85.6	0.71	29.7	5.5	2.0	3.1	69
132MA-6	4	5.5	9.37	965	86.8	0.71	39.6	5.7	2.1	2.6	69
132MB-6	5.5	7.5	12.0	970	88.0	0.75	54.1	6.0	1.7	2.6	69
8 Poles (750r/min)											
80MA-8	0.18	0.25	0.84	693	51.0	0.61	2.48	3.3	1.8	1.9	52
80MB-8	0.25	0.34	1.10	689	54.0	0.61	3.47	3.3	1.8	1.9	52
90S-8	0.37	0.50	1.41	691	62.0	0.61	5.11	4.0	1.8	1.9	56
90L-8	0.55	0.75	2.07	691	63.0	0.61	7.47	4.0	1.8	2.0	56
100LA-8	0.75	1	2.2	695	73.8	0.66	10.3	5.0	1.8	2.0	58
100LB-8	1.1	1.5	3.1	695	76.8	0.67	15.1	5.5	1.8	2.0	58
112M-8	1.5	2	4.1	695	78.9	0.67	20.6	5.5	1.8	2.0	61
132S-8	2.2	3	5.6	715	81.2	0.70	29.4	6.0	1.8	2.0	64
123M-8	3	4	7.2	715	83.1	0.72	40.1	6.0	1.8	2.0	64

Note: 0.75kW and above, IE3 premium efficiency level

160~280 Series 400V 50Hz Ins.Cl F IP55 IC411 S1 C&U Bearing Cast Iron Motor Data											
Type	kW	HP	IN	r/min	Eff (%)	Cosφ	N•m	Ist/IN	Tst/TN	Tmax/TN	dB(A)
2 Poles (3000r/min)											
160MA-2	11	15	19.6	2945	91.2	0.89	35.7	8.1	2.0	2.3	81
160MB-2	15	20	26.5	2950	91.9	0.89	48.6	8.1	2.0	2.3	81
160L-2	18.5	25	32.5	2945	92.4	0.89	60.0	8.2	2.0	2.3	81
180M-2	22	30	38.5	2955	92.7	0.89	71.1	8.2	2.0	2.3	83
200LA-2	30	40	52.1	2965	93.3	0.89	96.6	7.6	2.0	2.3	84
200LB-2	37	50	64.0	2965	93.7	0.89	119	7.6	2.0	2.3	84
225M-2	45	60	76.8	2965	94.0	0.90	145	7.7	2.0	2.3	86
250M-2	55	75	93.5	2970	94.3	0.90	177	7.7	2.0	2.3	89
280S-2	75	100	127	2975	94.7	0.90	241	7.1	1.8	2.3	91
280M-2	90	125	152	2975	95.0	0.90	289	7.1	1.8	2.3	91
4 Poles (1500r/min)											
160M-4	11	15	20.4	1470	91.4	0.85	71.5	7.7	2.2	2.3	73
160L-4	15	20	27.3	1470	92.1	0.86	97.4	7.8	2.2	2.3	73
180M-4	18.5	25	33.5	1475	92.6	0.86	120	7.8	2.0	2.3	76
180L-4	22	30	39.7	1475	93.0	0.86	142	7.8	2.0	2.3	76
200L-4	30	40	53.8	1475	93.6	0.86	194	7.3	2.0	2.3	76
225S-4	37	50	66.1	1480	93.9	0.86	239	7.4	2.0	2.3	78
225M-4	45	60	80.2	1480	94.2	0.86	290	7.4	2.0	2.3	78
250M-4	55	75	97.6	1485	94.6	0.86	354	7.4	2.2	2.3	79
280S-4	75	100	129	1485	95.0	0.88	482	6.9	2.0	2.3	80
280M-4	90	125	155	1485	95.2	0.88	579	6.9	2.0	2.3	80
6 Poles (1000r/min)											
160M-6	7.5	10	15.4	975	89.1	0.79	73.5	7.0	2.0	2.1	73
160L-6	11	15	22.0	975	90.3	0.80	107.7	7.2	2.0	2.1	73
180L-6	15	20	29.3	980	91.2	0.81	146.2	7.3	2.0	2.1	73
200LA-6	18.5	25	35.9	980	91.7	0.81	180.3	7.3	2.0	2.1	73
200LB-6	22	30	42.5	980	92.2	0.81	214.4	7.4	2.0	2.1	73
225M-6	30	40	56.2	985	92.9	0.83	290.9	6.9	2.0	2.1	74
250M-6	37	50	68.1	985	93.3	0.84	358.7	7.1	2.0	2.1	76
280S-6	45	60	81.6	985	93.7	0.85	436.3	7.3	2.0	2.0	78
280M-6	55	75	98.1	985	94.1	0.86	533.2	7.3	2.0	2.0	78
8 Poles (750r/min)											
160MA-8	4	5.5	9.6	725	84.8	0.71	52.7	7.9	1.8	2.0	68
160MB-8	5.5	7.5	12.8	725	86.2	0.72	72.4	8.1	1.8	2.0	68
160L-8	7.5	10	16.8	725	87.3	0.74	98.8	7.8	1.8	2.0	68
180L-8	11	15	24.2	735	88.6	0.74	143	7.9	1.8	2.0	70
200L-8	15	20	32.2	735	89.6	0.75	195	8.0	1.8	2.0	73
225S-8	18.5	25	39.5	735	90.1	0.75	240	8.1	1.8	2.0	73
225M-8	22	30	46.1	735	90.6	0.76	286	8.3	1.8	2.0	73
250M-8	30	40	61.6	740	91.3	0.77	387	7.9	1.8	2.0	75
280S-8	37	50	74.6	740	91.8	0.78	478	7.9	1.8	2.0	76
280M-8	45	60	90.3	740	92.2	0.78	581	7.9	1.8	2.0	76

Note: 0.75kW and above, IE3 premium efficiency level



YANGZHOU XIANGXIN ELECTRIC TECHNOLOGY CO., LTD.

Room 339, Floor 3, Zone A, Shuang Qiao Business Plaza,
No.101 North Yangzijiang Road, Yangzhou, Jiangsu, China (P.C. 225002)
Tel.: 0086 514 8298 8288
Fax: 0086 514 8769 3586
Cell: 0086 153 1285 8558
Website: <http://www.xxelectro.com>
E-mail: xxe@vip.163.com (Business)
E-mail: emd.motor@vip.163.com (Technical Support)