M&C®
ELECTRIC POWER

IE2 Series

HIGH-EFFICIENCY THREE-PHASE INDUCTION MOTORS

CHINA ELECTRIC MOTOR ASSOCIATION
GUANGDONG M&C ELECTRIC POWER CO.,LTD

IE2 SERIES HIGH PERFERMANCE MOTOR

The efficiency index of this series motors confirms to the IEC 60034-30 Standard about IE2′ S Value.

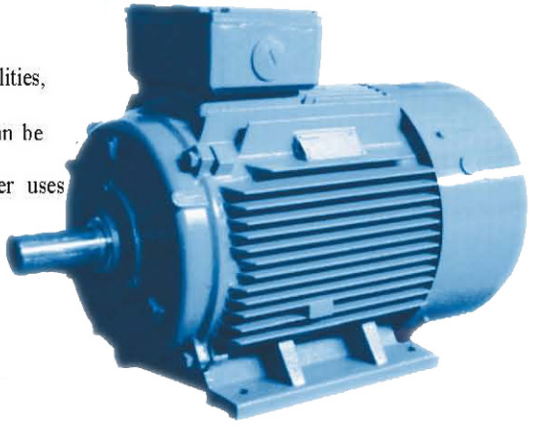
The IE2 series high efficiency standard three phaseinduction motors are totally enclosed fan cooled squirrel cage motors that are manufactured with new materialand technology.It is a new generation motor and can save energy.

IE2 series motors center height:H80-H355,Output:0.55kw,pole:2、4、6、 Degree of protection:IP55, cooling method:IC411,Mounting dimensions conform to IECstandard,Rated voltage:400V,Rated frequency:50Hz,Ambient temperature:40℃ max,Altitude:1000m,Duty:continuous(S1).

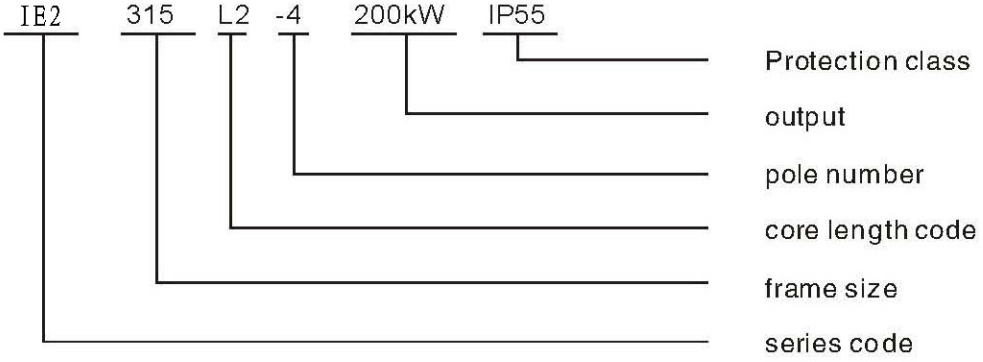
IE2 series high efficiency three phase induction motors have some notable advantages such as high efficiency,good starting performance,low noise, improved structure,improved cooling capabilities,

This series motors are three phase induction motors which be used for general motors and can be used to drive all kinds of general purpose machines such as compressors, ventilators,pumps,ect.Other uses such as petrol chimical,medical,chemical industries and mining.For special requirements please contact our sales department.

IE2 series motors are equal with I2 series three phaseinduction motors in dimensions.



Meaning of type code

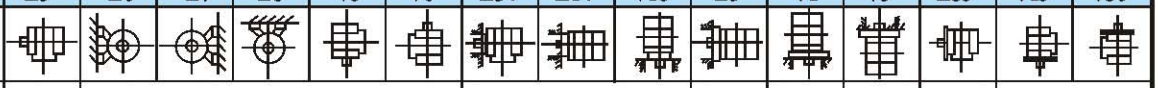


MOUNTING ARRANGEMENTS

THERE ARE FIVE BASIC CONSTRUCTIONAL MOUNTING ARRANGEMENTS FOR SERIES Y2 MOTORS :
B3:FRAME WITH FEET,END BRACKET WITHOUT FLANGE.
B5:FRAME WITHOUT FEET,END BRACKET WITH FLANGE(WITH HOLES)
B35:FRAME WITH FEET,END BRACKET WITH FLANGE(WITH HOLES)
B34:FRAME WITH FEET,END BRACKET WITH FLANGE(WITH SCREW HOLES)
B14:FRAME WITHOUT FEET,END BRACKET WITH FLANGE(WITH SCREW HOLES)

THE COMMONLY USED MOUNTING ARRANGEMENTS AND THE CORRESPONDING FRAME NUMBERS ARE SHOWN IN TABLE2:

TABLE 2:

Basical	B3						B34	B14		B5			B35		
Code	B3	B6	B7	B8	V5	V6	B34	B14	V18	B5	V1	V3	B35	V15	V36
Sketch															
Range of frame	80-355	80-160					80-112			80-280	80-355	80-160	80-355	80-160	

BEARINGS

THE BEARING NO.FOR MOTORS ARE AS SHOWN IN TABLE3:

TABLE 3:

Frame No.	Driving end		Non-driving end	
	2 Poles	4.6 Poles	2 Poles	4.6 Poles
80	6204-2RS/C3		6204-2RS/C3	
90	6205-2RS/C3		6205-2RS/C3	
100	6206-2RS/C3		6206-2RS/C3	
112	6206-2RS/C3		6206-2RS/C3	
132	6208-2RS/C3		6208-2RS/C3	
160	6309/C3		6309/C3	
180	6311/C3		6311/C3	
200	6312/C3		6312/C3	
225	6312/C3	6313/C3	6312/6313C3	
250	6314/C4	6314/C3	6314/C4	6314/C3
280	6316/C4	6316/C3	6316/C4	6316/C3
315	6316/C4	6319/C3	6316/C4	6319/C3
355	6319/C4	6322/C3	6319/C4	6319/C3

The efficiency index of this series motors confirms to the IEC 60034-30 Standard about IE2' S Value.

VIBRATION

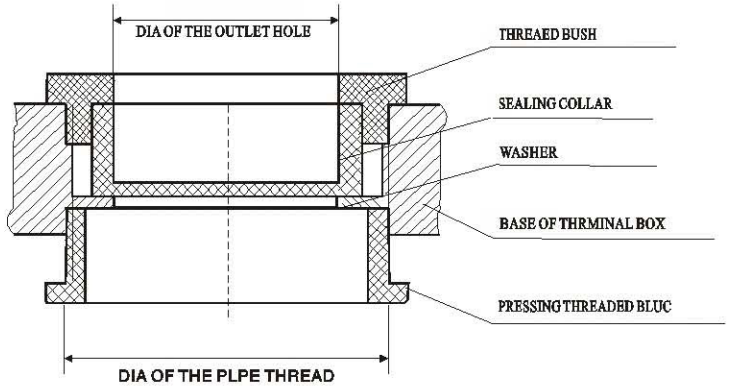
AT NO LOAD THE r.m.s VALUES OFTHE VIBRATION VELOCITY(i.e,THE LIMITS OF VIBRATION SEVERITY) OF MOTORS SHOULD NOT EXCEED THE VALUES OF CLASSN.SPECIFIED IN TABLE 4.CLASS R.S.IS AVAILABLE ON REQUEST

TABLE 4:

Frame No .	≤132		>132~225		>225~355	
r/min Synchronous Speed	600~1800	>1800~3600	600~1800	>1800~3600	600~1800	>1800~3600
Class of Vibration	mm/s the r.m s vable of the vibration velocity					
N	1.8		2.8		3.5	
R	0.71	1.12	1.12	1.80	1.80	2.80
S	0.45	0.71	0.71	1.12	1.12	1.80

TERMINAL BOX

THE NORMAL POSITION OF THE TERMINAL BOX IS ON THE TOP SIDE WHEN LOOKING AT THE DRIVING END OF THE MOTOR, BUT MAY BE ARRANGED ON THE LEFT-HAND SIDE OR ON THE RIGH-HAND IF SPECIFIED WHEN ORDERING.THE POWER CABLE CAN BELED OUT THROUGH THE OUTLET OF THE TERMINAL BOX IN FOUR DIRECTIONS, THERE IS A SEALING CONSTRUCTION AT THE OUTLET(FOR DETAILS, SEE FIGURE)



THE DIAMETERS OF THE OUTLET HOLES AND THE PIPE THREADS FOR THE FRAME NUMBERS ARE AS SHOWN IN TABLE5:

TABLE 5:

Frame No .	Dia of the Pipe Thread (mm)	
IE2-80-90	M25×1.5	
IE2-100	M32×1.5	
IE2-112-132	2-M32×1.5	
IE2-160-180	2-M40×1.5	M16×1.5
IE2-200-225	2-M50×1.5	M16×1.5
IE2-250-280	2-M63×1.5	M20×1.5
IE2-315	2-M63×1.5	M20×1.5
IE2-355	2-M63×1.5	M20×1.5

TECHNICAL DATA
SPEED 3000RPM 2-POLE 50HZ

Type	Output		Speed	In A			Efficiency η%	Power factor CosΦ	TN	Tst	Tmax	Ist	Moment (J)	Noise	Weight
	kW	HP	r/min	230V	400V	690V	100%		Nm	TN	TN	IN	kgm²	LwdB(A)	kg
IE2-801-2P	0.75	1	2885	3.0	1.7		77.4	0.830	2.48	2.3	2.3	6.8	0.0010	62	15
IE2-802-2P	1.1	1.5	2885	4.2	2.4		79.6	0.830	3.64	2.3	2.3	7.3	0.0013	62	16.5
IE2-90S-2P	1.5	2	2885	5.5	3.2		81.3	0.840	4.96	2.3	2.3	7.6	0.0020	67	22.5
IE2-90L-2P	2.2	3	2890	7.8	4.5		83.2	0.850	7.27	2.3	2.3	7.8	0.0026	67	27
IE2-100L-2P	3	4	2895	10.2	5.9		84.6	0.870	9.90	2.3	2.3	8.1	0.0042	74	36
IE2-112M-2P	4	5.5	2895		7.6	4.4	85.8	0.880	13.19	2.3	2.3	8.3	0.0058	77	47
IE2-132S1-2P	5.5	7.5	2920		10.4	6.0	87	0.880	17.89	2.2	2.3	8.0	0.0128	79	63
IE2-132S2-2P	7.5	10	2915		13.8	8.0	88.1	0.890	24.57	2.2	2.3	7.8	0.0151	79	70
IE2-160M1-2P	11	15	2945		20.0	11.5	89.4	0.890	35.67	2.2	2.3	7.9	0.0489	81	119
IE2-160M2-2P	15	20	2945		26.9	15.5	90.3	0.890	48.64	2.2	2.3	8.0	0.0559	81	128
IE2-160L-2P	18.5	25	2940		33.0	19.1	90.9	0.890	60.09	2.2	2.3	8.1	0.0648	81	134
IE2-180M-2P	22	30	2960		39.1	22.6	91.3	0.890	70.98	2.2	2.3	8.2	0.0808	83	191
IE2-200L1-2P	30	40	2965		52.9	30.5	92	0.890	96.62	2.2	2.3	7.5	0.163	84	237
IE2-200L2-2P	37	50	2965		64.9	37.5	92.5	0.890	119.17	2.2	2.3	7.5	0.172	84	254
IE2-225M-2P	45	60	2965		78.6	45.4	92.9	0.890	144.94	2.2	2.3	7.6	0.302	86	307
IE2-250M-2P	55	75	2965		95.7	55.3	93.2	0.890	176.55	2.2	2.3	7.6	0.420	89	388
IE2-280S-2P	75	100	2980		129.7	74.9	93.8	0.890	240.35	2.0	2.3	6.9	0.986	91	501
IE2-280M-2P	90	125	2970		155.1	89.5	94.1	0.890	288.42	2.0	2.3	7.0	1.04	91	551
IE2-315S-2P	110	150	2980		187.1	108.0	94.3	0.900	352.51	2.0	2.2	7.1	1.33	92	916
IE2-315M-2P	132	180	2980		223.8	129.2	94.6	0.900	423.02	2.0	2.2	7.1	1.50	92	954
IE2-315L1-2P	160	220	2980		267.7	154.6	94.8	0.910	512.75	2.0	2.2	7.1	1.67	92	1083
IE2-315L2-2P	200	270	2980		333.9	192.8	95	0.910	640.94	2.0	2.2	7.1	1.88	92	1178
IE2-355M-2P	250	340	2985		417.4	241.0	95	0.910	799.83	2.0	2.2	7.1	4.02	100	1611
IE2-355L-2P	315	430	2985		525.9	303.6	95	0.910	1007.79	2.0	2.2	7.1	4.86	100	1801

TECHNICAL DATA

SPEED 1500RPM 4–POLE 50HZ

Type	Output		Speed	In A			Efficiency η%	Power factor	TN	Tst	Tmax	Ist	Moment (J)	Noise	Weight
	kW	HP	r/min	230V	400V	690V	100%	Cos Φ	Nm	TN	TN	IN	kgm²	LwdB(A)	kg
IE2-801-4P	0.75	1	1435	3.1	1.8		79.6	0.750	4.99	2.3	2.3	6.5	0.0020	56	17
IE2-90S-4P	1.1	1.5	1435	4.5	2.6		81.4	0.750	7.32	2.3	2.3	6.6	0.0030	59	23
IE2-90L-4P	1.5	2	1440	6.1	3.5		82.8	0.750	9.95	2.3	2.3	6.9	0.0038	59	28
IE2-100L1-4P	2.2	3	1455	8.1	4.7		84.3	0.810	14.44	2.3	2.3	7.5	0.0077	64	37.5
IE2-100L2-4P	3	4	1455	10.7	6.2		85.5	0.820	19.69	2.3	2.3	7.6	0.0093	64	42
IE2-112M-4P	4	5.5	1455		8.1	4.7	86.6	0.820	26.25	2.3	2.3	7.7	0.0128	65	51
IE2-132S-4P	5.5	7.5	1460		11.0	6.4	87.7	0.820	35.98	2.0	2.3	7.5	0.0285	71	66
IE2-132M-4P	7.5	10	1460		14.7	8.5	88.7	0.830	49.06	2.0	2.3	7.4	0.0366	71	76
IE2-160M-4P	11	15	1470		20.8	12.0	89.8	0.850	71.46	2.2	2.3	7.5	0.0771	73	118
IE2-160L-4P	15	20	1470		27.8	16.1	90.6	0.860	97.12	2.2	2.3	7.5	0.101	73	139
IE2-180M-4P	18.5	25	1475		34.0	19.6	91.2	0.860	119.78	2.2	2.3	7.7	0.152	76	186
IE2-180L-4P	22	30	1475		40.3	23.3	91.6	0.860	142.44	2.2	2.3	7.8	0.187	76	197
IE2-200L-4P	30	40	1480		54.6	31.5	92.3	0.860	193.58	2.2	2.3	7.2	0.285	76	261
IE2-225S-4P	37	50	1485		67.0	38.7	92.7	0.860	237.95	2.2	2.3	7.3	0.473	78	308
IE2-225M-4P	45	60	1485		81.1	46.8	93.1	0.860	289.39	2.2	2.3	7.4	0.554	78	337
IE2-250M-4P	55	75	1480		98.7	57.0	93.5	0.860	352.50	2.2	2.3	7.4	0.751	79	410
IE2-280S-4P	75	100	1490		130.9	75.6	94.0	0.880	480.70	2.2	2.3	6.7	1.92	80	579
IE2-280M-4P	90	125	1490		156.7	90.5	94.2	0.880	576.84	2.2	2.3	6.9	2.32	80	641
IE2-315S-4P	110	150	1490		190.9	110.2	94.5	0.880	705.03	2.2	2.2	6.9	2.34	88	959
IE2-315M-4P	132	180	1490		228.6	132.0	94.7	0.880	846.04	2.2	2.2	6.9	2.58	88	999
IE2-315L1-4P	160	220	1490		273.4	157.8	94.9	0.890	1025.5	2.2	2.2	6.9	2.96	88	1096
IE2-315L2-4P	200	270	1490		341.1	196.9	95.1	0.890	1281.88	2.2	2.2	6.9	3.46	88	1330
IE2-355M-4P	250	340	1490		421.6	243.4	95.1	0.900	1602.35	2.2	2.2	6.9	6.60	95	1638
IE2-355L-4P	315	430	1490		531.2	306.7	95.1	0.900	2018.96	2.2	2.2	6.9	7.55	95	1832

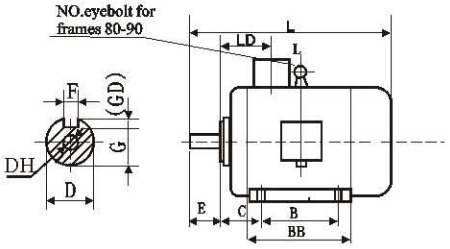
TECHNICAL DATA

SPEED 1000RPM 6–POLE 50HZ

Type	Output		Speed	In A			Efficiency	Power factor	TN	Tst	Tmax	Ist	Moment (J)	Noise	Weight
	kW	HP	r/min	230V	400V	690V	η% 100%	CosΦ	Nm	TN	TN	IN	kgm^2	LwdB(A)	kg
IE2-90S-6P	0.75	1	950	3.5	2.0		75.9	0.720	7.54	2.1	2.1	5.8	0.0038	57	23
IE2-90L-6P	1.1	1.5	950	4.8	2.8		78.1	0.730	11.06	2.1	2.1	5.9	0.0053	57	27
IE2-100L-6P	1.5	2	955	6.4	3.7		79.8	0.740	15.0	2.1	2.1	6.0	0.0107	61	36
IE2-112M-6P	2.2	3	955	9.0	5.2		81.8	0.740	22.0	2.1	2.1	6.0	0.0151	65	46
IE2-132S-6P	3	4	975	12.1	7.0		83.3	0.740	29.38	2.0	2.1	6.2	0.0318	69	65
IE2-132M1-6P	4	5.5	975		9.2	5.3	84.6	0.740	39.18	2.0	2.1	6.8	0.0394	69	73
IE2-132M2-6P	5.5	7.5	975		12.3	7.1	86.0	0.750	53.87	2.0	2.1	7.1	0.0494	69	82
IE2-160M-6P	7.5	10	980		15.9	9.2	87.2	0.780	73.09	2.1	2.1	6.7	0.0964	73	111
IE2-160L-6P	11	15	980		22.7	13.1	88.7	0.790	107.19	2.1	2.1	6.9	0.127	73	132
IE2-180L-6P	15	20	980		29.8	17.2	89.7	0.810	146.17	2.0	2.1	7.2	0.201	73	176
IE2-200L1-6P	18.5	25	985		36.5	21.1	90.4	0.810	179.36	2.1	2.1	7.2	0.325	73	222
IE2-200L2-6P	22	30	980		42.6	24.6	90.9	0.820	213.30	2.1	2.1	7.3	0.371	73	241.5
IE2-225M-6P	30	40	980		58.3	33.7	91.7	0.810	290.80	2.0	2.1	7.1	0.533	74	292
IE2-250M-6P	37	50	990		69.0	39.8	92.2	0.840	356.92	2.1	2.1	7.1	0.877	76	369
IE2-280S-6P	45	60	990		81.5	47.1	92.7	0.860	434.09	2.1	2.0	7.2	1.85	78	511
IE2-280M-6P	55	75	990		99.2	57.3	93.1	0.860	530.55	2.1	2.0	7.2	2.12	78	656
IE2-315S-6P	75	100	995		135.9	78.5	93.7	0.850	719.85	2.0	2.0	6.7	2.61	83	851
IE2-315M-6P	90	125	995		164.5	95.0	94.0	0.840	863.82	2.0	2.0	6.7	3.04	83	973
IE2-315L1-6P	110	150	995		198.1	114.4	94.3	0.850	1055.78	2.0	2.0	6.7	3.71	83	1022
IE2-315L2-6P	132	180	995		234.2	135.2	94.6	0.860	1266.93	2.0	2.0	6.7	4.24	83	1112
IE2-355M1-6P	160	220	995		280.0	161.7	94.8	0.870	1535.68	2.0	2.0	6.7	7.44	85	1628
IE2-355M2-6P	200	270	995		366.1	211.4	95.0	0.870	1919.6	2.0	2.0	6.7	9.10	85	1760
IE2-355L-6P	250	340	995		436.6	252.1	95.0	0.870	2399.5	2.0	2.0	6.7	10.80	85	1924

MOUNTING AND OVERALL DIMENSIONS

IM B3 H80–355



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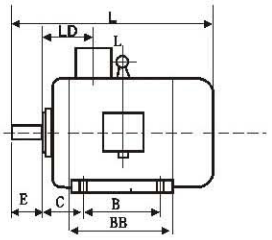
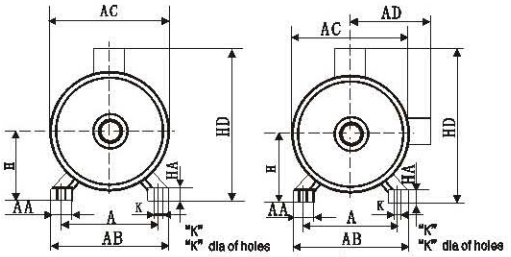
H80-132



Frame size
H160-355



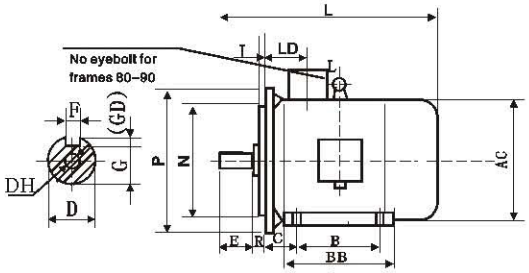
Frame size
H80-355

Type	Poles	Dimensions in mm																		
		A	AA	B	C	D*	E	F	G	H	K	AB	AC	AD	HD	L	BB	HA	LD	(DH) *
IE2-80	2、4、6	125	34	100	50	19	40	6	15.5	80	10	165	167	165	245	300	142	10	74	M6×16
IE2-90S	2、4、6	140	36	100	56	24	50	8	20	90	10	180	190	175	265	355	180	12	76	M8×19
IE2-90L	2、4、6	140	36	125	56	24	50	8	20	90	10	180	190	175	265	385	220	12	76	M8×19
IE2-100L	2、4、6	160	40	140	63	28	60	8	24	100	12	205	215	200	290	435	233	14	83	M10×22
IE2-112M	2、4、6	190	45	140	70	28	60	8	24	112	12	230	240	220	325	468	248	15	87	M10×22
IE2-132S	2、4、6	216	55	140	89	38	80	10	33	132	12	270	275	240	365	510	230	18	102	M12×28
IE2-132M	2、4、6	216	55	178	89	38	80	10	33	132	12	270	275	240	365	510	230	18	102	M12×28
IE2-160M	2	254	65	210	108	42	110	12	37	160	14.5	320	320	285	440	675	304	20	149	M16×36
	4、6	254	65	210	108	42	110	12	37	160	14.5	320	320	285	440	675	304	20	149	M16×36
IE2-160L	2	254	65	254	108	42	110	12	37	160	14.5	320	320	285	440	675	304	20	149	M16×36
	4、6	254	65	254	108	42	110	12	37	160	14.5	320	320	285	440	675	304	20	149	M16×36
IE2-180M	2	279	70	241	121	48	110	14	42.5	180	14.5	355	380	310	470	740	355	22	161	M16×36
	4、6	279	70	241	121	48	110	14	42.5	180	14.5	355	380	310	470	740	355	22	161	M16×36
IE2-180L	4、6	279	70	279	121	48	110	14	42.5	180	14.5	355	380	310	470	740	355	22	161	M16×36
IE2-200L	2	318	70	305	133	55	110	16	49	200	18.5	395	410	335	525	775	375	25	186	M20×42
	4、6	318	70	305	133	55	110	16	49	200	18.5	395	410	335	525	775	375	25	186	M20×42
IE2-225S	4	356	75	286	149	60	140	18	53	225	18.5	435	470	370	580	820	370	28	189	M20×42
IE2-225M	2	356	75	311	149	55	110	16	49	225	18.5	435	470	370	580	815	395	28	189	M20×42
	4、6	356	75	311	149	60	140	18	53	225	18.5	435	470	370	580	845	395	28	189	M20×42
IE2-250M	2	406	80	349	168	60	140	18	53	250	24	490	490	380	635	930	445	30	207	M20×42
	4、6	406	80	349	168	65	140	18	58	250	24	490	490	380	635	930	445	30	207	M20×42
IE2-280S	2	457	85	368	190	65	140	18	58	280	24	550	580	410	698	981	490	35	215	M20×42
	4、6	457	85	368	190	75	140	20	67.5	280	24	550	580	410	698	981	490	35	215	M20×42
IE2-280M	2	457	85	419	190	65	140	18	58	280	24	550	580	410	698	1032	540	35	215	M20×42
	4、6	457	85	419	190	75	140	20	67.5	280	24	550	580	410	698	1032	540	35	215	M20×42
IE2-315S	2	508	120	406	216	65	140	18	58	315	28	630	645	535	885	1185	570	45	257	M20×42
	4、6	508	120	406	216	80	170	22	71	315	28	630	645	535	885	1215	570	45	257	M20×42
IE2-315M	2	508	120	457	216	65	140	18	58	315	28	630	645	535	885	1295	680	45	257	M20×42
	4、6	508	120	457	216	80	170	22	71	315	28	630	645	535	885	1325	680	45	257	M20×42
IE2-315L	2	508	120	508	216	65	140	18	58	315	28	630	645	535	885	1295	680	45	257	M20×42
	4、6	508	120	508	216	80	170	22	71	315	28	630	645	535	885	1325	680	45	257	M20×42
IE2-355M	2	610	120	560	254	75	140	20	67.5	355	28	730	720	650	1065	1495	760	52	284	M20×42
	4、6	610	120	560	254	95	170	25	86	355	28	730	720	650	1065	1525	760	52	284	M24×47
IE2-355L	2	610	120	630	254	75	140	20	67.5	355	28	730	720	650	1065	1495	760	52	284	M20×42
	4、6	610	120	630	254	95	170	25	86	355	28	730	720	650	1065	1525	760	52	284	M24×47

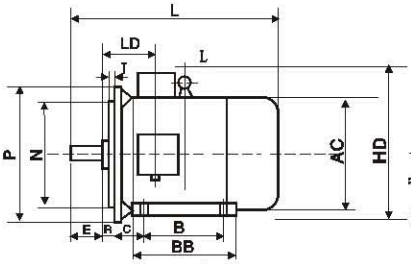
Notes: 1) DH dimension is only required for exported motor. For domenstic customers, it should be prepared according to the order requirement. 2) Tolerance for D dimension: j6 for ϕ19-28; K6 for ϕ38-48; m6 for ϕ55-80; m6 for ϕ95.

MOUNTING AND OVERALL DIMENSIONS

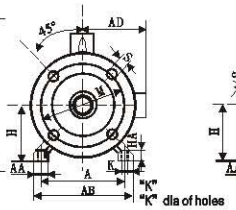
IM B35 H80–355



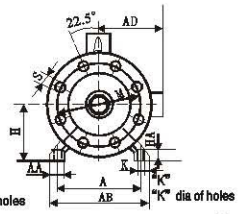
Frame size
H80-132



Frame size
H160-355



Frame size
H80-200



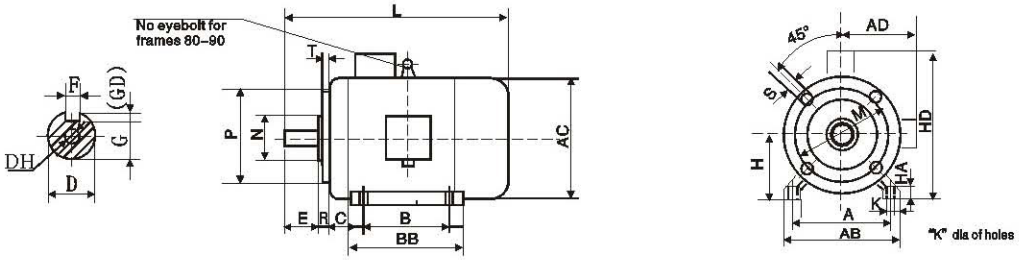
Frame size
H225-355

Type	Flange NO.	Poles	Dimensions in mm																								
			A	AA	B	C	D*	E	F	G	H	K	AB	AC	AD	HD	L	BB	HA	LD	Flange holes	M	N*	P	R*	S	T	(DH)*
IE2-80	FF165	2、4、6	125	34	100	50	19	40	6	15.5	80	10	165	167	165	245	300	142	10	74	4	165	130	200	0	12	3.5	M6X16
IE2-90S	FF165	2、4、6	140	36	100	56	24	50	8	20	90	10	180	190	190	265	355	180	12	76	4	165	130	200	0	12	3.5	M8X19
IE2-90L	FF165	2、4、6	140	36	125	56	24	50	8	20	90	10	180	190	190	265	385	220	12	76	4	165	130	200	0	12	3.5	M8X19
IE2-100L	FF215	2、4、6	160	40	140	63	28	60	8	24	100	12	205	215	200	290	435	233	14	83	4	215	180	250	0	14.5	4	M10X22
IE2-112M	FF215	2、4、6	190	45	140	70	28	60	8	24	112	12	230	240	220	325	468	248	15	87	4	215	180	250	0	14.5	4	M10X22
IE2-132S	FF265	2、4、6	216	55	140	89	38	80	10	33	132	12	270	275	240	365	510	230	18	102	4	265	230	300	0	14.5	4	M12X28
IE2-132M	FF265	2、4、6	216	55	178	89	38	80	10	33	132	12	270	275	240	365	510	230	18	102	4	265	230	300	0	14.5	4	M12X28
IE2-160M	FF300	2	254	65	210	108	42	110	12	37	160	14.5	320	320	285	440	675	304	20	149	4	300	250	350	0	18.5	5	M16X36
	FF300	4、6	254	65	210	108	42	110	12	37	160	14.5	320	320	285	440	675	304	20	149	4	300	250	350	0	18.5	5	M16X36
IE2-160L	FF300	2	254	65	254	108	42	110	12	37	160	14.5	320	320	285	440	675	304	20	149	4	300	250	350	0	18.5	5	M16X36
	FF300	4、6	254	65	254	108	42	110	12	37	160	14.5	320	320	285	440	675	304	20	149	4	300	250	350	0	18.5	5	M16X36
IE2-180M	FF300	2	279	70	241	121	48	110	14	42.5	180	14.5	355	380	310	470	740	355	22	161	4	300	250	350	0	18.5	5	M16X36
	FF300	4、6	279	70	241	121	48	110	14	42.5	180	14.5	355	380	310	470	740	355	22	161	4	300	250	350	0	18.5	5	M16X36
IE2-180L	FF300	4、6	279	70	279	121	48	110	14	42.5	180	14.5	355	380	310	470	740	355	22	161	4	300	250	350	0	18.5	5	M16X36
IE2-200L	FF350	2	318	70	305	133	55	110	16	49	200	18.5	395	410	335	525	775	375	25	186	4	350	300	400	0	18.5	5	M20X42
	FF350	4、6	318	70	305	133	55	110	16	49	200	18.5	395	410	335	525	775	375	25	186	4	350	300	400	0	18.5	5	M20X42
IE2-225S	FF400	4	356	75	286	149	60	140	18	53	225	18.5	435	470	370	580	820	375	25	189	8	400	350	450	0	18.5	5	M20X42
IE2-225M	FF400	2	356	75	311	149	55	110	16	49	225	18.5	435	470	370	580	815	400	28	189	8	400	350	450	0	18.5	5	M20X42
	FF400	4、6	356	75	311	149	60	140	18	53	225	18.5	435	470	370	580	845	400	28	189	8	400	350	450	0	18.5	5	M20X42
IE2-250M	FF500	2	406	80	349	168	60	140	18	53	250	24	490	490	380	635	930	445	30	207	8	500	450	550	0	18.5	5	M20X42
	FF500	4、6	406	80	349	168	65	140	18	58	250	24	490	490	380	635	930	445	30	207	8	500	450	550	0	18.5	5	M20X42
IE2-280S	FF500	2	457	85	368	190	65	140	18	58	280	24	550	580	410	698	981	490	35	215	8	500	450	550	0	18.5	5	M20X42
	FF500	4、6	457	85	368	190	75	140	20	67.5	280	24	550	580	410	698	981	490	35	215	8	500	450	550	0	18.5	5	M20X42
IE2-280M	FF500	2	457	85	419	190	65	140	18	58	280	24	550	580	410	698	1032	540	35	215	8	500	450	550	0	18.5	5	M20X42
	FF500	4、6	457	85	419	190	75	140	20	67.5	280	24	550	580	410	698	1032	540	35	215	8	500	450	550	0	18.5	5	M20X42
IE2-315S	FF600	2	508	120	406	216	65	140	18	58	315	28	630	645	535	885	1185	570	45	257	8	600	550	660	0	24	6	M20X42
	FF600	4、6	508	120	406	216	80	170	22	71	315	28	630	645	535	885	1215	570	45	257	8	600	550	660	0	24	6	M20X42
IE2-315M	FF600	2	508	120	457	216	65	140	18	58	315	28	630	645	535	885	1295	680	45	257	8	600	550	660	0	24	6	M20X42
	FF600	4、6	508	120	457	216	80	170	22	71	315	28	630	645	535	885	1325	680	45	257	8	600	550	660	0	24	6	M20X42
IE2-315L	FF600	2	508	120	508	216	65	140	18	58	315	28	630	645	535	885	1295	680	45	257	8	600	550	660	0	24	6	M20X42
	FF600	4、6	508	120	508	216	80	170	22	71	315	28	630	645	535	885	1325	680	45	257	8	600	550	660	0	24	6	M20X42
IE2-355M	FF740	2	610	120	560	254	75	140	20	67.5	355	28	730	720	700	1065	1495	760	52	284	8	740	680	800	0	24	6	M20X42
	FF740	4、6	610	120	560	254	95	170	25	86	355	28	730	720	700	1065	1525	760	52	284	8	740	680	800	0	24	6	M24X47
IE2-355L	FF740	2	610	120	630	254	75	140	20	67.5	355	28	730	720	700	1065	1495	760	52	284	8	740	680	800	0	24	6	M20X42
	FF740	4、6	610	120	630	254	95	170	25	86	355	28	730	720	700	1065	1525	760	52	284	8	740	680	800	0	24	6	M24X47

Notes: 1) R means the distance from flange mounting interface surface to auxiliary shoulder.2) DH dimension is only required for exported motor. For domenstic customers, it should be prepared according to the order requirement.
3) Tolerance for D dimension: j6 for Φ 19-28; K6 for Φ 38-48; m6 for Φ 55-80; m6 for Φ 95.4) Tolerance for N dimension is j6.

MOUNTING AND OVERALL DIMENSIONS

IM B34 H80–112

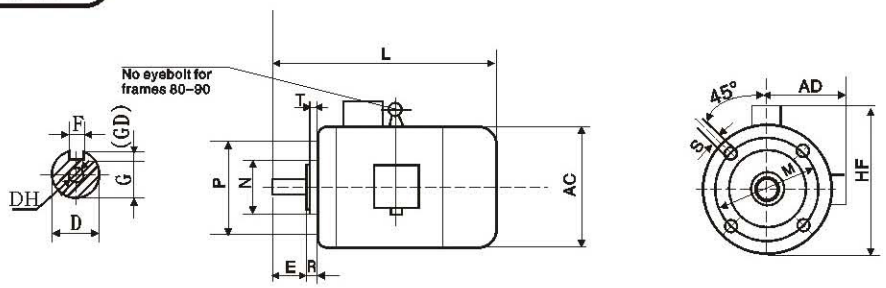


Prame Size	Poles	Mounting dinensions														Flange holes	overall dimensions					
		A	B	C	D*	E	F	G	H	K	M	N*	P	R	S	T		AB	AC	AD	HD	L	(DH)*
IE2-80	2、4、6	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3.0	4	165	167	165	245	300	M6×16
IE2-90S	2、4、6	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	4	180	190	175	250	355	M8×19
IE2-90L	2、4、6	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	4	180	190	175	250	385	M8×19
IE2-100L	2、4、6	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	4	205	215	200	270	435	M10×22
IE2-112M	2、4、6	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	4	230	240	220	325	468	M10×22

Notes: Tolerance for N dimens-ion is j6.

MOUNTING AND OVERALL DIMENSIONS

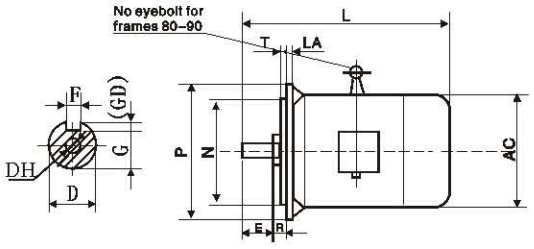
IM B14 H80–112



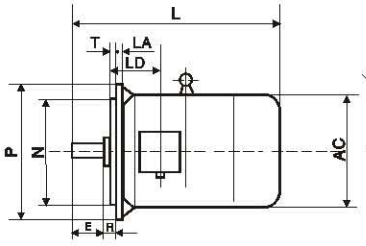
Prame Size	Poles	Mounting dinensions										Flange holes	overall dimensions				
		D*	E	F	G	P	M	N	R	S	T		AD	AC	HF	L	(DH)*
IE2-80	2、4、6	19	40	6	15.5	120	100	80	0	M6	3.0	4	165	167	230	300	M6×16
IE2-90S	2、4、6	24	50	8	20	140	115	95	0	M8	3.0	4	175	190	245	355	M8×19
IE2-90L	2、4、6	24	50	8	20	140	115	95	0	M8	3.0	4	175	190	245	385	M8×19
IE2-100L	2、4、6	28	60	8	24	160	130	110	0	M8	3.5	4	200	215	285	435	M10×22
IE2-112M	2、4、6	28	60	8	24	160	130	110	0	M8	3.5	4	220	240	320	468	M10×22

MOUNTING AND OVERALL DIMENSIONS

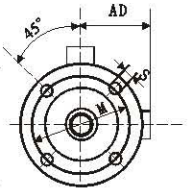
IMB5 H80–280



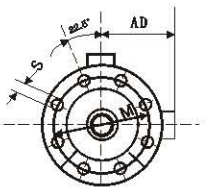
Frame size H80-132



Frame size H160-280



Frame size 80-200



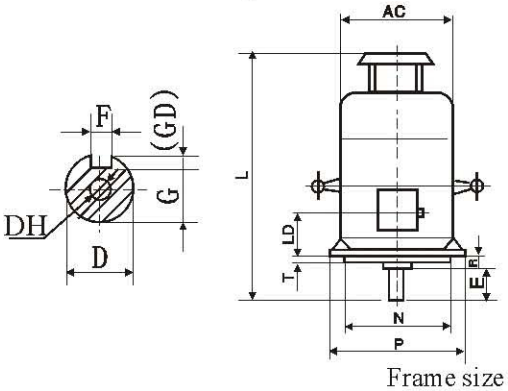
Frame size 225-280

Type	Flange NO.	Poles	Dimensions in mm															
			D*	E	F	G	M	N*	P	S	T	Flange holes	AC	L	ID	LA	(DH)*	R
IE2-80	FF165	2、4、6	19	40	6	15.5	165	130	200	12	3.5	4	167	300	74	12	M6X16	0
IE2-90S	FF165	2、4、6	24	50	8	20	165	130	200	12	3.5	4	190	355	76.0	12	M8X19	0
IE2-90L	FF165	2、4、6	24	50	8	20	165	130	200	12	3.5	4	190	385	76.0	12	M8X19	0
IE2-100L	FF215	2、4、6	28	60	8	24	215	180	250	14.5	4	4	215	435	83	13	M10X22	0
IE2-112M	FF215	2、4、6	28	60	8	24	215	180	250	14.5	4	4	240	468	87	14	M10X22	0
IE2-132S	FF265	2、4、6	38	80	10	33	265	230	300	14.5	4	4	275	510	102	14	M12X28	0
IE2-132M	FF265	2、4、6	38	80	10	33	265	230	300	14.5	4	4	275	510	102	14	M12X28	0
IE2-160M	FF300	2、4、6	42	110	12	37	300	250	350	18.5	5	4	320	675	149	15	M16X36	0
IE2-160L	FF300	2、4、6	42	110	12	37	300	250	350	18.5	5	4	320	675	149	15	M16X36	0
IE2-180M	FF300	2、4、6	48	110	14	42.5	300	250	350	18.5	5	4	380	740	161	15	M16X36	0
IE2-180L	FF300	2、4、6	48	110	14	42.5	300	250	350	18.5	5	4	380	740	161	15	M16X36	0
IE2-200L	FF350	2、4、6	55	110	16	49	350	300	400	18.5	5	4	410	775	186	17	M20X42	0
IE2-225S	FF400	4、6	60	140	18	53	400	350	450	18.5	5	8	470	820	189	20	M20X42	0
IE2-225M	FF400	2	55	110	16	49	400	350	450	18.5	5	8	470	815	189	20	M20X42	0
	FF400	4、6	60	140	18	53	400	350	450	18.5	5	8	470	845	207	20	M20X42	0
IE2-250M	FF500	2	60	140	18	53	500	450	550	18.5	5	8	490	930	207	22	M20X42	0
	FF500	4、6	65	140	18	58	500	450	550	18.5	5	8	490	930	215	22	M20X42	0
IE2-280S	FF500	2	65	140	18	58	500	450	550	18.5	5	8	580	981	215	22	M20X42	0
	FF500	4、6	75	140	20	67.5	500	450	550	18.5	5	8	580	981	215	22	M20X42	0
IE2-280M	FF500	2	65	140	18	58	500	450	550	18.5	5	8	580	1032	215	22	M20X42	0
	FF500	4、6	75	140	20	67.5	500	450	550	18.5	5	8	580	1032	215	22	M20X42	0

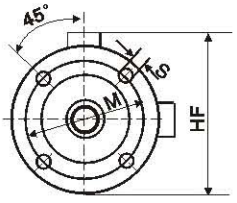
Notes: 1) R means the distance from flange mounting interface surface to auxiliary shoulder.2) DH dimension is only required for exported motor. For domenstic customers, it should be prepared according to the order requirement.
3) Tolerance for D dimension: j6 for ϕ19-28;k6 for ϕ38-48; m6 for ϕ55-80; m6 for ϕ95.4) Tolerance for N dimension is j6.

MOUNTING AND OVERALL DIMENSIONS

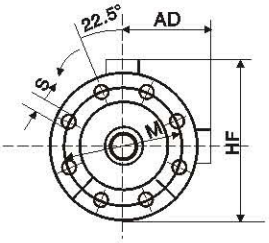
IMV1 H180–355



Frame size
H180-355



Frame size
H180-200



Frame size
H225-355

Prame Size	Poles	Mounting Dinensions										Flange holes	Overall Dimensions				
		D*	E	F	G	M	N*	P	R	S	T		AC	AD	HF	L	(DH)*
IE2-180M	2、4、6	48	110	14	42.5	300	250	350	0	18.5	5	4	380	310	500	800	M16×36
IE2-180L	2、4、6	48	110	14	42.5	300	250	350	0	18.5	5	4	380	310	500	800	M16×36
IE2-200L	4、6	55	110	16	49.0	350	300	400	0	18.5	5	4	410	335	540	845	M20×42
IE2-225S	4、6	60	140	18	53.0	400	350	450	0	18.5	5	8	470	370	605	915	M20×42
IE2-225M	2 4、6	55 60	140	16 18	49.0 53.0	400	350	450 450	0	18.5	5	8	470	370	605	910 940	M20×42
IE2-250M	2 4、6	60 65	140	18 18	53.0 58.0	500	450	550	0	18.5	5	8	490	380	630	1035	M20×42
IE2-280S	2 4、6	65 75	140	18 20	58.0 67.5	500	450	550	0	18.5	5	8	580	410	700	1115	M20×42
IE2-280M	2 4、6	65 75	140	18 20	58.0 67.5	500	450	550	0	18.5	5	8	580	410	700	1157	M20×42
IE2-315S	2 4、6	65 80	140 170	18 22	58.0 71.0	600	550	660	0	24	6	8	645	535	858	1310 1340	M20×42
IE2-315M	2 4、6	65 80	140 170	18 22	58.0 71.0	600	550	660	0	24	6	8	645	535	858	1425 1450	M20×42
IE2-315L	2 4、6	65 80	140 170	18 22	58.0 71.0	600	550	660	0	24	6	8	645	535	858	1425 1450	M20×42
IE2-355M	2 4、6	75 95	140 170	20 25	67.5 86.0	740	680	800	0	24	6	8	720	650	1010	1640 1670	M20×42 M24×47
IE2-355L	2 4、6	75 95	140 170	20 25	67.5 86.0	740	680	800	0	24	6	8	720	650	1010	1640 1670	M20×42 M24×47

Notes: 1) DH dimension is only required for exported motor. For domenstic customers, it should be prepared according to the order requirement.2) Tolerance for D dimension: j6 for ϕ 19-28; K6 for ϕ 38-48; m6 for ϕ 55-80; m6 for ϕ 95. 3) Tolerance for N dimension is j6.

INSTRUCTIONS TO BUYERS:

1) The technical data given in this catalogue are for reference only and subject to alterations.Before ordering,please contact us.

2 The following specifications are provided for the order:motor type,output,synchronous speed,voltage,frequency and mounting arrangement etc.

M&C®
ELECTRIC POWER

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