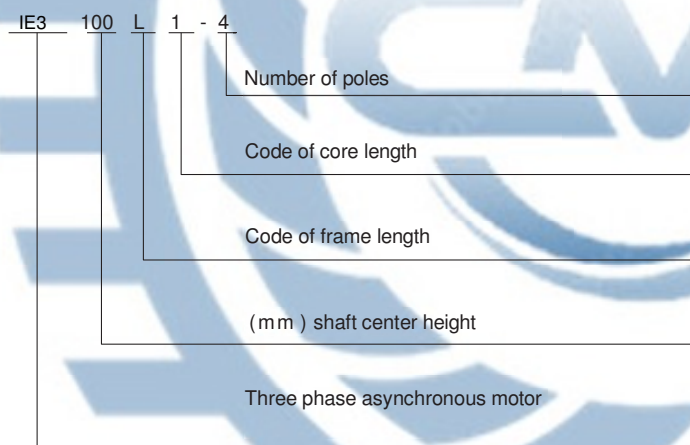


IE3 SERIES CAST IRON HIGH EFFICIENCY THREE PHASE ASYNCHRONOUS MOTOR



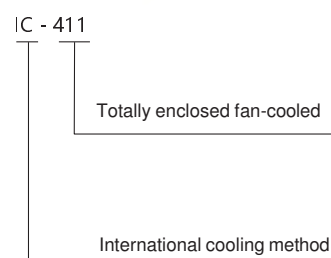
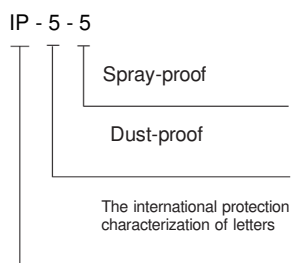
IE3 series (center height H80-355mm, 0.18-315kW) motor is a fully enclosed, self-fan-cooled squirrel cage type high efficiency three phase asynchronous motor, is a general-purpose low-voltage three-phase asynchronous motor updated on the basis of IE2 series motors. Higher efficiency, large starting torque, and improve the protection level (IP55, IP56, IP66), improve the insulation level (F, H, C) class B assessment, reduce noise. And the load noise test shows that the motor structure is more reasonable and the appearance is novel and beautiful. Used in pump, fan, reducer, mining machinery and other general machinery industry.

EXPLANATION OF TYPE DESIGNATION



OPERATING CONDITIONS

- Ambient air temperature: $-15^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- Altitude: No more than 1000 meters
- Voltage: 220/380V 230/400V 380/660V 400/690V 415/720V
525/910V 220/380/440V 230/460V
- Frequency: 50Hz, 60Hz
- Connection method: 3KW and below are star (Y) connection method, 4KW and above are delta (Δ) connection Duty: Continuous (S1)
- Insulation Class: F, H, C, winding stator temperature rise assessment 80K Protection grade: IP55,
- IP56, IP66.
- Cooling method: IC411



IE3

TECHNICAL DATA

SPEED 3000RPM 2POLE 50Hz

Model	Rated Output		Rated Speed rpm	Rated Current (A)				Efficiency η (100%) load	Efficiency η (75%) load	Efficiency η (50%) load	Power factor $\cos \Phi$	Rated Torque N·m	Tst/Tn	Tmax/Tn	Ist/ In
	kW	HP		380V	400V	415V	525V								
IE3-801-2	0.75	1	2880	1.72	1.64	1.58	1.24	80.7	80.7	79.1	0.82	2.49	2.3	2.3	7.0
IE3-802-2	1.1	1.5	2880	2.43	2.31	2.23	1.75	82.7	82.7	81.0	0.83	3.65	2.2	2.3	7.3
IE3-90S-2	1.5	2	2895	3.22	3.06	2.95	2.33	84.2	84.2	82.5	0.84	4.95	2.2	2.3	7.6
IE3-90L-2	2.2	3	2895	4.58	4.35	4.19	3.31	85.9	85.9	84.2	0.85	7.26	2.2	2.3	7.6
IE3-100L-2	3	4	2895	6.02	5.71	5.51	4.35	87.1	87.1	85.4	0.87	9.90	2.2	2.3	7.8
IE3-112M-2	4	5.5	2905	7.84	7.45	7.18	5.67	88.1	88.1	86.3	0.88	13.1	2.2	2.3	8.3
IE3-132S1-2	5.5	7.5	2930	10.6	10.1	9.75	7.67	89.2	89.2	87.4	0.88	17.9	2.0	2.3	8.3
IE3-132S2-2	7.5	10	2930	14.4	13.7	13.2	10.4	90.1	90.1	88.3	0.88	24.4	20	2.3	7.9
IE3-160M1-2	11	16	2945	20.6	19.6	18.9	14.9	91.2	91.2	89.4	0.89	35.7	2.0	2.3	8.1
IE3-160M2-2	15	20	2945	27.9	26.5	25.5	20.1	91.9	91.9	90.1	0.89	48.6	2.0	2.3	8.1
IE3-160L-2	18.5	25	2940	34.2	32.5	31.3	24.7	92.4	92.4	90.6	0.89	60.1	2.0	2.3	8.2
IE3-180M-2	22	30	2955	40.5	38.5	37.1	29.3	92.7	92.7	90.8	0.89	71.1	2.0	2.3	8.2
IE3-200L1-2	30	40	2960	54.9	52.1	50.3	39.7	93.3	93.3	91.4	0.89	96.8	2.0	2.3	7.6
IE-200L2-2	37	50	2960	67.4	64.0	61.7	48.7	93.7	93.7	91.8	0.89	119.4	2.0	2.3	7.6
IE3-225M-2	45	60	2965	80.8	76.8	74.0	58.4	94.0	94.0	92.1	0.90	144.9	2.0	2.3	7.7
IE3-250M-2	55	75	2970	98.5	93.5	90.2	71.2	94.3	94.3	92.4	0.90	176.9	2.0	2.3	7.7
IE3-280S-2	75	100	2975	134	127	122	96.9	94.7	94.7	92.8	0.90	240.8	18	2.3	7.1
IE3-280M-2	90	125	2975	160	152	146	115	95.0	95.0	93.1	0.90	288.9	1.8	2.3	7.1
IE3-315S-2	110	150	2978	195	185	179	141	95.2	95.2	93.3	0.90	352.8	1.8	2.3	7.1
IE3-315M-2	132	180	2978	234	222	214	169	95.4	95.4	93.5	0.90	423.3	1.8	2.3	7.1
IE3-315L1-2	160	200	2980	279	265	256	201	95.6	95.6	93.7	0.91	512.8	1.8	2.3	7.2
IE3-315L2-2	200	270	2980	349	331	319	252	95.8	95.8	93.9	0.91	640.9	1.8	2.2	7.2
IE3-355M-2	250	340	2982	436	414	399	315	95.8	95.8	93.9	0.91	800.6	1.6	2.2	7.2
IE3-355L-2	315	430	2982	549	522	503	397	95.8	95.8	93.9	0.91	1009	1.6	2.2	7.2

IE3 TECHNICAL DATA

SPEED 1500RPM 4POLE 50Hz



Model	Rated Output		Rated Speed	Rated Current (A)				Efficiency η (100%) load	Efficiency η (75%) load	Efficiency η (50%) load	Power factor $\cos \Phi$	Rated Torque N·m	Tst/Tn	Tmax/Tn	Ist/In
	kW	HP	rpm	380V	400V	415V	525V								
IE3-801-4	0.55	0.75	1400	1.38	1.31	1.26	0.99	80.8	80.8	79.2	0.75	3.75	2.4	2.3	5.2
IE3-802-4	0.75	1	1420	1.84	1.75	1.69	1.33	82.5	82.5	80.9	0.75	5.04	2.3	2.3	6.6
IE3-90S-4	1.1	1.5	1445	2.61	2.48	2.39	1.88	84.1	84.1	82.4	0.76	7.27	2.3	2.3	6.8
IE3-90L-4	1.5	2	1445	3.47	3.3	3.18	2.51	85.3	85.3	83.6	0.77	9.91	2.3	2.3	7.0
IE3-100L1-4	2.2	3	1450	4.76	4.52	4.36	3.44	86.7	86.7	85.0	0.81	14.6	2.3	2.3	7.6
IE3-100L2-4	3	4	1450	6.34	6.02	5.8	4.58	87.7	87.7	85.9	0.82	20.0	2.3	2.3	7.6
IE3-112M-4	4	5.5	1450	8.37	7.95	7.66	6.05	88.6	88.6	86.8	0.82	26.5	2.2	2.3	7.8
IE3-132S-4	5.5	7.5	1460	11.2	10.7	10.3	8.10	89.6	89.6	87.8	0.83	36.0	2.0	2.3	7.9
IE3-132M-4	7.5	10	1460	15.0	14.3	13.7	10.8	90.4	90.4	88.6	0.84	49.1	2.0	2.3	7.5
IE3-160M-4	11	15	1465	21.5	20.4	19.7	15.5	91.4	91.4	89.6	0.85	71.7	2.2	2.3	7.7
IE3-160L-4	15	20	1465	28.8	27.3	26.3	20.8	92.1	92.1	90.3	0.86	97.8	2.2	2.3	7.8
IE3-180M-4	18.5	25	1470	35.3	33.5	32.3	25.5	92.6	92.6	90.7	0.86	120.2	2.0	2.3	7.8
IE3-180L-4	22	30	1470	41.8	39.7	38.3	30.2	93.0	93.0	91.1	0.86	142.9	2.0	2.3	7.8
IE3-200L-4	30	40	1475	56.6	53.8	51.8	40.9	93.6	93.6	91.7	0.86	194.2	2.0	2.3	7.3
IE3-225S-4	37	50	1485	69.6	66.1	63.7	50.3	93.9	93.9	92.0	0.86	237.9	2.0	2.3	7.4
IE3-225M-4	45	60	1485	84.4	80.2	77.3	61.0	94.2	94.2	92.3	0.86	289.4	2.0	2.3	7.4
IE3-250M-4	55	75	1485	103	97.6	94.1	70.6	94.6	94.6	92.7	0.86	353.7	2.2	2.3	7.4
IE3-280S-4	75	100	1486	136	129	125	93.3	95.0	95.0	93.1	0.88	482.0	2.0	2.3	6.9
IE3-280M-4	90	125	1486	163	155	149	112	95.2	95.2	93.3	0.88	578.4	2.0	2.3	6.9
IE3-315S-4	110	150	1488	197	187	180	135	95.4	95.4	93.5	0.89	706.0	2.0	2.2	7.0
IE3-315M-4	132	180	1488	236	224	216	162	95.6	95.6	93.7	0.89	847.2	2.0	2.2	7.0
IE3-315L1-4	160	200	1488	285	271	261	196	95.8	95.8	93.9	0.89	1027	2.0	2.2	7.1
IE3-315L2-4	200	270	1490	352	334	322	241	96.0	96.0	94.1	0.90	1282	2.0	2.2	7.1
IE3-355M-4	250	340	1490	440	418	403	302	96.0	96.0	94.1	0.90	1602	2.0	2.2	7.1
IE3-355L-4	315	430	1490	554	526	507	380	96.0	96.0	94.1	0.90	2019	2.0	2.2	7.1

IE3

TECHNICAL DATA

SPEED 1000RPM 6POLE 50Hz

Model	Rated Output		Rated Speed	Rated Current (A)				Efficiency η (100%) load	Efficiency η (75%) load	Efficiency η (50%) load	Power factor $\cos\Phi$	Rated Torque N·m	Tst/Tn	Tmax/Tn	Ist/ In
	kW	HP	rpm	380V	400V	415V	525V								
IE3-801-6	0.37	0.5	890	1.09	1.04	1.00	0.79	73.5	73.5	72.0	0.70	3.97	1.9	2.0	4.7
IE3-802-6	0.55	0.75	890	1.51	1.43	1.38	1.09	77.2	77.2	75.7	0.72	5.90	1.9	2.1	4.7
IE3-90S-6	0.75	1	935	2.03	1.93	1.86	1.47	78.9	78.9	77.3	0.71	7.66	2.0	2.1	6.0
IE3-90L-6	1.1	1.5	945	2.83	2.69	2.59	2.05	81.0	81.0	79.4	0.73	11.1	2.0	2.1	6.0
IE3-100L-6	15	2	949	3.78	3.59	3.47	2.74	82.5	82.5	80.9	0.73	15.1	2.0	2.1	6.5
IE3-112M-6	2.2	3	955	5.36	5.09	4.91	3.88	84.3	84.3	82.6	0.74	22.0	2.0	2.1	6.6
IE3-132S-6	3	4	968	7.20	6.84	6.59	5.21	85.6	85.6	83.9	0.74	29.6	2.0	2.1	6.8
IE3-132M1-6	4	5.5	968	9.46	8.99	8.66	6.85	86.8	86.8	85.1	0.74	39.5	2.0	2.1	6.8
IE3-132M2-6	5.5	7.5	968	12.6	12.0	11.6	9.14	88.0	88.0	86.2	0.75	54.3	2.0	2.1	7.0
IE3-160M-6	7.5	10	970	16.2	15.4	14.8	11.7	89.1	89.1	87.3	0.79	73.8	2.0	2.1	7.0
IE3-160L-6	11	15	970	23.2	22.0	21.2	16.8	90.3	90.3	88.5	0.80	108.3	2.0	2.1	7.2
IE3-180L-6	15	20	978	30.8	29.3	28.2	22.3	91.2	91.2	89.4	0.81	146.5	2.0	2.1	7.3
IE3-200L1-6	18.5	25	980	37.8	35.9	34.7	27.4	91.7	91.7	89.9	0.81	180.3	2.0	2.1	7.3
IE3-200L2-6	22	30	980	44.7	42.5	41.0	32.4	92.2	92.2	90.4	0.81	214.4	2.0	2.1	7.4
IE3-225M-6	30	40	980	59.2	56.2	54.1	42.8	92.9	92.9	91.0	0.83	292.3	2.0	2.1	6.9
IE3-250M-6	37	50	985	71.7	68.1	65.7	51.9	93.3	93.3	91.4	0.84	358.7	2.0	2.1	7.1
IE3-280S-6	45	60	985	85.9	81.6	78.6	62.2	93.7	93.7	91.8	0.85	436.3	2.0	2.0	7.3
IE3-280M-6	55	75	985	103	98.1	94.6	74.7	94.1	94.1	92.2	0.86	533.2	2.0	2.0	7.3
IE3-315S-6	75	100	985	143	136	131	104	94.6	94.6	92.7	0.84	727.2	2.0	2.0	6.6
IE3-315M-6	90	125	988	169	161	155	123	94.9	94.9	93.0	0.85	869.9	2.0	2.0	6.7
IE3-315L1-6	110	150	988	206	196	189	149	95.1	95.1	93.2	0.85	1063	2.0	2.0	6.7
IE3-315L2-6	132	180	988	244	232	224	177	95.4	95.4	93.5	0.86	1276	2.0	2.0	6.8
IE3-355M1-6	160	200	990	296	281	271	214	95.6	95.6	93.7	0.86	1543	1.8	2.0	6.8
IE3-355M2-6	200	270	990	364	346	334	264	95.8	95.8	93.9	0.87	1929	1.8	2.0	6.8
IE3-355L-6	250	340	990	456	433	417	330	95.8	95.8	93.9	0.87	2412	1.8	2.0	6.8

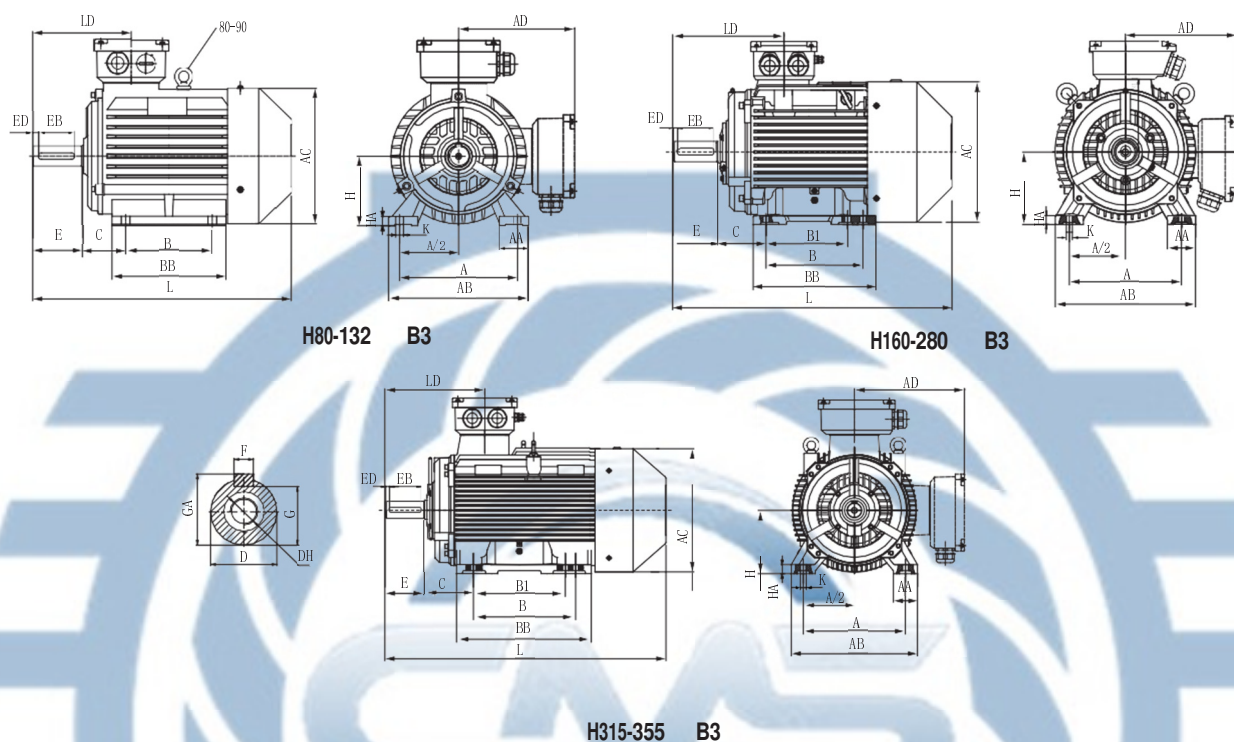
IE3 TECHNICAL DATA

SPEED 750RPM 8POLE 50Hz

Model	Rated Output		Rated Speed rpm	Rated Current (A)				Efficiency η (100%) load	Efficiency η (75%) load	Efficiency η (50%) load	Power factor $\cos \Phi$	Rated Torque N·m	Tst/Tn	Tmax/Tn	Ist/ In
	kW	HP		380V	400V	415V	525V								
IE3-801-8	0.18	0.25	650	0.76	0.73	0.70	0.55	58.7	58.7	57.5	0.61	2.64	1.8	1.9	3.3
IE3-802-8	0.25	0.37	650	0.97	0.92	0.89	0.70	64.1	64.1	62.8	0.61	3.67	1.8	1.9	3.3
IE3-90S-8	0.37	0.5	675	1.33	1.26	1.22	0.96	69.3	69.3	67.9	0.61	5.23	1.8	1.9	4.0
IE3-90L-8	0.55	0.75	675	1.88	1.78	1.72	1.36	73.0	73.0	71.5	0.61	7.78	1.8	2.0	4.0
IE3-100L1-8	0.75	1	685	2.27	2.15	2.08	1.64	75.0	75.0	73.5	0.67	10.5	1.8	2.0	4.0
IE3-100L2-8	1.1	1.5	685	3.12	2.96	2.85	2.25	77.7	77.7	76.1	0.69	15.3	1.8	2.0	5.0
IE3-112M-8	1.5	2	695	4.08	3.88	3.74	2.95	79.7	79.7	78.1	0.70	20.6	1.8	2.0	5.0
IE3-132S-8	2.2	3	710	5.75	5.46	5.26	4.16	81.9	81.9	80.3	0.71	29.6	1.8	2.0	6.0
IE3-132M-8	3	4	710	7.48	7.10	6.85	3.45	83.5	83.5	81.8	0.73	40.4	1.8	2.0	6.0
IE3-160M1-8	4	5.5	725	9.82	9.33	8.99	7.10	84.8	84.8	83.1	0.73	52.7	1.9	2.0	6.0
IE3-160M2-8	5.5	7.5	725	13.1	12.4	12.0	9.48	86.2	86.2	84.5	0.74	72.4	1.9	2.0	6.0
IE3-160L-8	7.5	6	725	17.4	16.5	15.9	12.5	87.3	87.3	85.6	0.75	98.8	1.9	2.0	6.0
IE3-180L-8	11	15	735	25.2	23.9	23.0	18.2	88.6	88.6	86.8	0.75	142.9	2.0	2.0	6.5
IE3-200L-8	15	20	730	33.5	31.8	30.6	24.2	89.6	89.6	87.8	0.76	196.2	2.0	2.0	6.6
IE3-225S-8	18.5	25	730	41.0	39.0	37.6	29.6	90.1	90.1	88.3	0.76	242.0	1.9	2.0	6.6
IE3-225M-8	22	30	730	47.3	44.9	43.3	34.2	90.6	90.6	88.8	0.78	287.8	1.9	2.0	6.6
IE3-250M-8	30	40	735	63.2	60.0	57.9	45.7	91.3	91.3	89.5	0.79	389.8	1.9	2.0	6.5
IE3-280S-8	37	50	735	77.5	73.6	71.0	56.0	91.8	91.8	90.0	0.79	480.7	1.9	2.0	6.6
IE3-280M-8	45	60	735	93.9	89.2	85.9	67.9	92.2	92.2	90.4	0.79	584.7	1.9	2.0	6.6
IE3-315S-8	55	75	735	112	106	102	81.0	92.5	92.5	90.7	0.81	714.6	1.8	2.0	6.6
IE3-315M-8	75	100	735	151	144	138	109	93.1	93.1	91.2	0.81	974.5	1.8	2.0	6.2
IE3-315L1-8	90	125	735	179	170	163	129	93.4	93.4	91.5	0.82	1169	1.8	2.0	6.4
IE3-315L2-8	110	150	735	218	207	199	157	93.7	93.7	91.8	0.82	1429	1.8	2.0	6.4
IE3-355M1-8	132	180	740	260	247	238	188	94.0	94.0	92.1	0.82	1704	1.8	2.0	6.4
IE3-355M2-8	160	220	740	314	299	288	227	94.3	94.3	92.4	0.82	2065	1.8	2.0	6.4
IE3-355L-8	200	270	740	387	368	354	280	94.6	94.6	92.7	0.83	2581	1.8	2.0	6.4

IE3 Mounting and Overall Dimensions

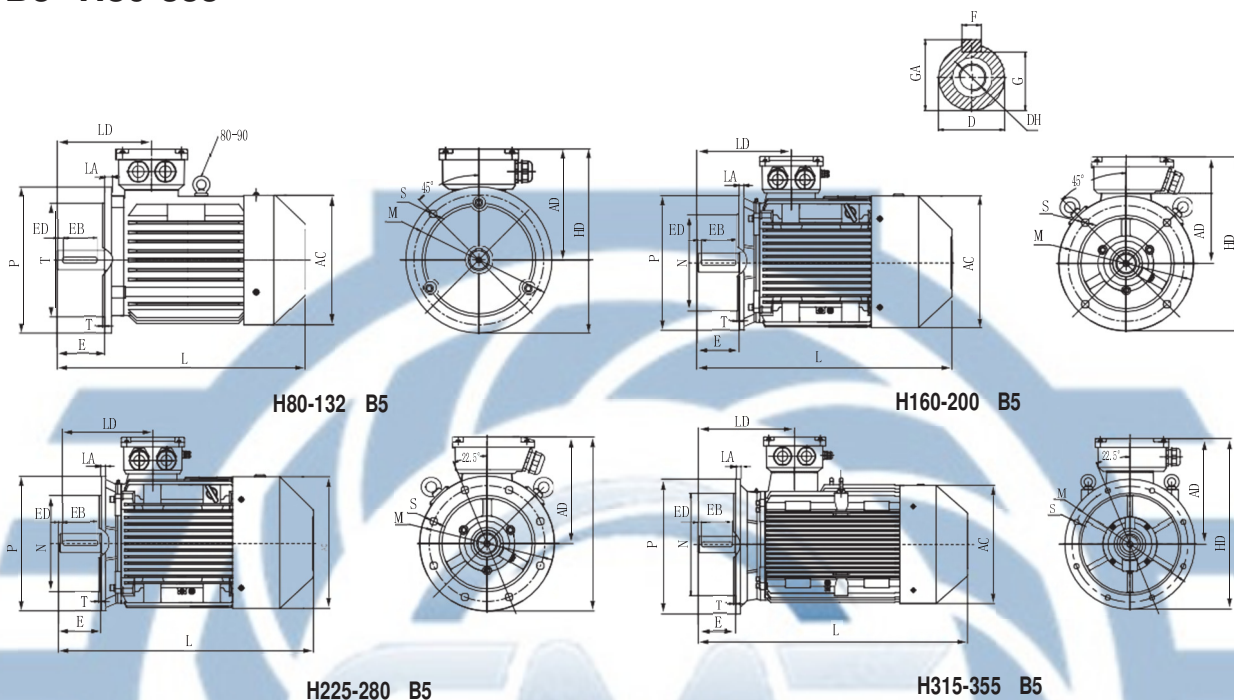
IM B3 H80-355



型号 Type	极数 Pole	A	AA	AB	AC	AD	B	B1	BB	C	D	DH	E	EB	ED	F	G	GA	H	HA	K	L	LD
90S	2,4,6,8	140	36	176	182.4	154.5	100	/	161	56	24	M8X19	50	40	5	8	20	27	90	12	4-Φ10	336	143
90L	2,4,6,8	140	36	176	182.4	154.5	125	/	186	56	24	M8X19	50	40	5	8	20	2	90	12	4-Φ10	361	143
100L	2,4,6,8	160	40	200	205.4	166	140	/	213	63	28	M10X22	60	50	5	8	24	31	100	14	4-Φ12	406	147
112M	2,4,6,8	190	50	240	230	188	140	/	188	70	28	M10X22	60	50	5	8	24	31	112	15	4-Φ12	394	147
132S	2,4,6,8	216	55	262	258.4	203	140	/	186	89	38	M12X28	80	65	5	10	33	4r	132	18	4-Φ12	438	172
132M	4,6,8	216	55	262	258.4	203	178	140	224	89	38	M12X28	80	65	5	10	33	41	132	18	4-Φ12	476	172
160M	2,4,6,8	254	65	314	314	251	210	/	260	108	42	M16X36	110	90	10	12	37	45	160	20	4-Φ14.5	608	256
160L	2,4,6,8	254	65	314	314	251	254	210	304	108	42	M16X36	110	90	10	12	37	45	160	20	4-Φ14.5	652	256
180M	2,4,8	279	70	349	355	267	241	/	311	121	48	M16X36	110	90	10	14	42.5	51.5	180	20	4-Φ14.5	688	271
180L	4,6,8	279	70	349	355	267	279	241	349	121	48	M16X36	110	90	10	14	42.5	51.5	180	22	4-Φ14.5	726	271
200L	2,4,6,8	318	70	388	397	299	305	/	369	133	55	M20X42	110	100	10	16	49	59	200	22	4-Φ18.5	779	296
225S	4,8	356	75	431	446	322	286	/	368	149	60	M20X42	140	125	7.5	18	53	64	225	22	4-Φ18.5	824	329
225M	2	356	75	431	446	322	311	286	393	149	55	M20X42	110	100	10	16	49	59	225	28	4-Φ18.5	819	299
225M	4,6,8	356	75	431	446	322	311	286	393	149	60	M20X42	140	125	7.5	18	53	64	225	28	4-Φ18.5	849	329
250M	4	406	80	484	485	358	349	/	445	168	60	M20X42	140	125	7.5	18	53	64	250	30	4-Φ24	910	347
250M	4,6,8	406	80	484	485	358	349	/	445	168	65	M20X42	140	125	7.5	18	58	69	250	30	4-Φ24	910	347
280S	3	457	85	542	547	387	368	368	485	190	65	M20X42	140	125	7.5	18	58	69	280	35	4-Φ24	982	355.5
280S	4,6,8	457	85	542	547	387	368	/	485	190	75	M20X42	140	125	7.5	20	67.5	79.5	280	35	4-Φ24	982	355.5
280M	2	457	85	542	547	387	419	368	536	190	65	M20X42	140	125	7.5	18	58	69	280	35	4-Φ24	1033	355.5
280M	4,6,8	457	85	542	547	387	419	368	536	190	75	M20X42	140	125	7.5	20	67.5	79.5	280	35	4-Φ24	1033	355.5
315S	2	508	120	628	620	527	406	/	570	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Φ28	1194	397
315S	4,6,8,10	508	120	628	620	527	406	/	570	216	80	M20X42	170	160	5	22	71	85	315	45	4-Φ28	1224	427
315M,L	2	508	120	628	620	527	457	406	680	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Φ28	1304	397
315M,L	4,6,8,10	508	120	628	620	527	457	406	680	216	80	M20X42	170	160	5	22	71	85	315	45	4-Φ28	1334	427
355M,L	2	610	116	726	698	642	630	560	750	254	75	M20X42	140	130	15	20	67.5	79.5	355	52	6-Φ28	1486	414
355M,L	4,6,8,10	610	116	726	698	642	630	560	750	254	95	M24X50	170	160	5	25	86	100	355	52	6-Φ28	1516	444

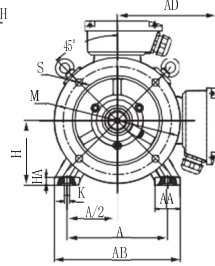
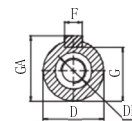
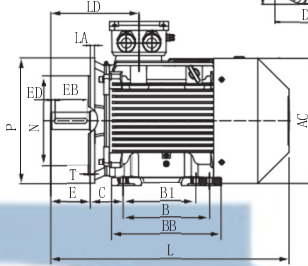
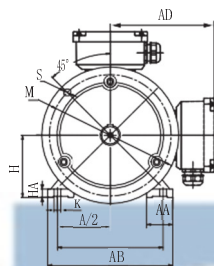
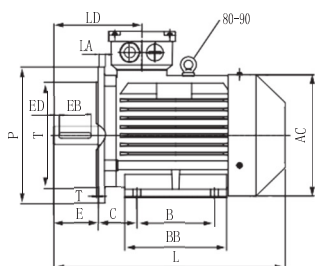
IE3 Counting and Overall Dimensions

IM B5 H80-355



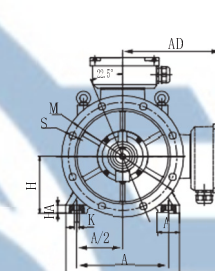
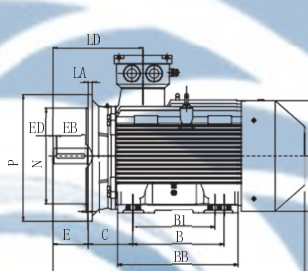
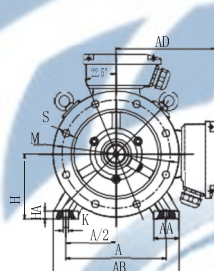
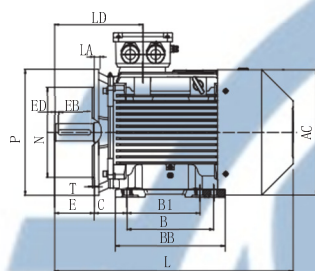
Type	Pole	AC	AD	D	DH	E	EB	ED	F	G	GA	HD	L	LA	LB	LD	M	N	P	S	T
80	2,4,6,8	167	147	19	M6X16	40	30	5	6	15.5	21.5	231	304	12	264	112	165	130	200	12	3.5
90s	2,4,6,8	182.4	154.5	24	M8X19	50	40	5	8	20	27	248	336	12	286	130	165	130	200	12	3.5
90L	2,4,6,8	182.4	154.5	24	M8X19	50	40	5	8	20	27	248	361	12	311	130	165	130	200	12	3.5
100L	2,4,6,8	205.4	166	28	M10X22	60	50	5	8	24	31	287	406	13	346	139	215	180	250	14.5	4
112M	2,4,6,8	230	188	28	M10X22	60	50	5	8	24	31	308	394	14	334	147	215	180	250	14.5	4
132S	2,4,6,8	258.4	203	38	M12X28	80	65	7.5	10	33	41	353	438	14	390	172	265	230	300	14.5	4
132M	4,6,8	258.4	203	38	M12X28	80	65	7.5	10	33	41	353	476	14	428	172	265	230	300	14.5	4
160M	2,4,6,8	314	251	42	M16X36	110	90	10	12	37	45	426	608	15	498	256	300	250	350	18.5	5
160L	2,4,6,8	314	251	42	M16X36	110	90	10	12	37	45	426	652	15	542	256	300	250	350	18.5	5
180M	2,4,8	355	267	48	M16X36	110	90	10	14	42.5	51.5	444.5	688	16	578	271	300	250	350	18.5	5
180L	4,6,8	355	267	48	M16X36	110	90	10	14	42.5	51.5	444.5	726	15	616	271	300	250	350	18.5	5
200L	2,4,6,8	397	299	55	M20X42	110	100	5	16	49	59	499	779	17	669	296	350	300	400	18.5	5
225S	4,8	446	322	60	M20X42	140	125	7.5	18	53	64	547	824	20	684	329	400	350	450	18.5	5
225M	2	446	322	60	M20X42	110	100	5	16	49	59	547	819	20	709	299	400	350	450	18.5	5
225M	4,6,8	446	322	65	M20X42	140	125	7.5	18	53	64	547	849	20	709	329	400	350	450	18.5	5
250M	2	485	358	65	M20X42	140	125	7.5	18	53	64	633	910	22	770	347	500	450	550	18.5	5
250M	4,6,8	485	358	75	M20X42	140	12	7.5	18	58	69	633	910	22	770	347	500	450	550	18.5	5
280S	2	547	387	65	M20X42	140	125	7.5	18	58	69	662	982	22	842	355.5	550	450	550	18.5	5
280S	4,6,8	547	387	75	M20X42	140	125	7.5	20	67.5	79.5	662	982	22	842	355.5	500	450	550	18.5	5
280M	2	547	387	65	M20X42	140	125	7.5	18	58	69	662	1033	22	893	355.5	500	450	550	18.5	5
280M	4,6,8	64	387	80	M20X42	140	125	7.5	20	67.5	79.5	662	1033	22	893	355.5	500	450	550	18.5	5
315S	2	620	527	65	M20X42	140	125	7.5	18	58	69	857	1194	22	1054	397	600	550	660	24	6
315S	4,6,8,10	620	527	80	M20X42	170	160	5	22	71	85	857	1224	22	1054	427	600	550	660	24	6
315M	2	620	527	65	M20X42	140	125	7.5	18	58	69	857	1304	22	1164	397	600	550	660	24	6
315M	4,6,8,10	620	527	80	M20X42	170	160	5	22	71	85	857	1334	22	1164	427	600	550	660	24	6
315L	2	620	527	65	M20X42	140	125	7.5	18	58	69	857	1304	22	1164	397	600	550	660	24	6
315L	4,6,8,10	620	527	80	M20X42	170	160	5	22	71	85	857	1334	22	1164	427	600	550	660	24	6
355M	2	698	642	75	M20X42	140	130	5	20	67.5	79.5	1042	1486	25	1346	414	740	680	800	24	6
355M	4,6,8,10	698	642	95	M24X50	170	160	5	25	86	100	1042	1516	25	1346	444	740	680	800	24	6
355L	2	698	642	75	M20X42	140	130	5	20	67.5	79.5	1042	1486	25	1346	414	740	680	800	24	6
355L	4,6,8,10	698	642	95	M24X50	170	160	5	25	86	100	1042	1516	25	1346	444	740	680	800	24	6

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H80-132 B35

H160-200 B35



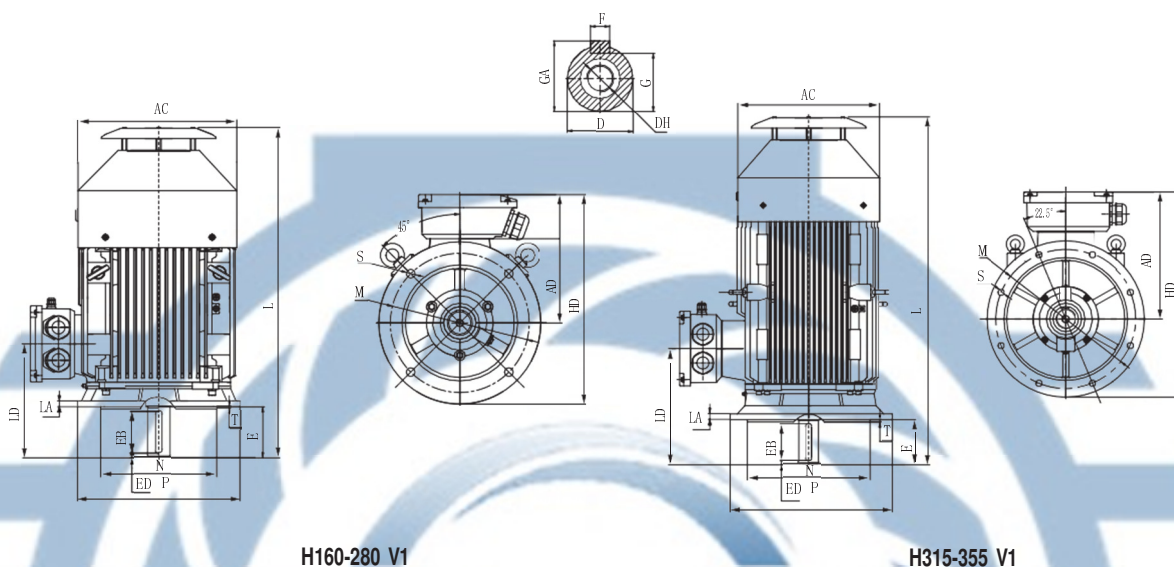
H225-280 B35

H315-355 B35

Type	Pole	A	AA	AB	AC	AD	B	B1	BB	C	D	DH	E	EB	ED	F	G	GA	H	HA	K	L	LA	LB	LD	M	N	P	S	T
80	2,4,6,8	125	34	160	167	147	100	/	150	50	19	M6X16	40	30	5	6	15.5	21.5	80	10	4-Φ10	304	12	264	112	165	130	200	12	3.5
90s	2,4,6,8	140	36	176	182.4	154.5	100	/	161	56	24	M8X19	50	40	5	8	20	27	90	12	4-Φ10	336	12	286	130	165	130	200	12	3.5
90L	2,4,6,8	140	36	176	182.4	154.5	125	/	186	56	24	M8X19	50	40	5	8	20	27	90	12	4-Φ10	361	12	311	130	165	130	200	12	3.5
100L	2,4,6,8	180	40	200	205.4	166	140	/	213	63	28	M10X22	60	50	5	8	24	31	100	14	4-Φ12	406	13	346	139	215	180	250	14.5	4
112M	2,4,6,8	190	50	240	230	188	40	/	188	70	28	M10X22	60	50	5	8	24	31	112	15	4-Φ12	394	14	334	147	215	180	250	14.5	4
132S	2,4,6,8	216	55	262	258.4	203	140	/	186	89	38	M12X28	80	65	5	10	33	41	132	18	4-Φ12	438	14	390	172	265	230	300	14.5	4
132M	4,6,8	216	55	262	258.4	203	178	140	224	89	38	M12X28	80	65	5	10	33	41	132	18	4-Φ12	476	14	428	172	265	230	300	14.5	4
160M	2,4,6,8	254	65	314	314	251	210	/	260	108	42	M16X36	110	90	10	12	37	45	160	20	4-Φ14.5	608	15	498	256	300	250	350	18.5	5
160L	2,4,6,8	254	65	314	314	251	254	210	304	108	42	M16X36	110	90	10	12	37	45	160	20	4-Φ14.5	652	15	542	256	300	250	350	18.5	5
180M	2,4,8	279	70	349	855	267	241	/	311	121	48	M16X36	110	90	10	14	42.5	51.5	180	22	4-Φ14.5	688	16	578	271	300	250	350	18.5	5
180L	4,6,8	279	70	349	355	267	279	241	349	121	48	M16X36	110	90	10	14	42.5	51.5	180	22	4-Φ14.5	726	15	616	271	300	250	350	18.5	5
200L	2,4,6,8	318	70	388	397	299	305	/	369	133	55	M20X42	110	100	10	16	49	59	200	25	4-Φ18.5	779	17	669	296	350	300	400	18.5	5
225S	4,8	356	75	431	446	322	286	/	368	149	60	M20X42	140	125	7.5	18	53	64	225	28	4-Φ18.5	824	20	684	329	400	350	450	18.5	5
225M	2	356	75	431	446	322	311	286	393	149	60	M20X42	110	100	10	16	49	59	225	28	4-Φ18.5	819	20	709	299	400	350	450	18.5	5
225M	4,6,8	356	75	431	446	322	311	286	393	149	65	M20X42	140	125	7.5	18	53	64	225	30	4-Φ18.5	849	20	709	329	400	350	450	18.5	5
250M	2	406	80	484	485	358	349	/	445	168	65	M20X42	140	125	7.5	18	53	64	250	30	4-Φ24	910	22	770	347	500	450	550	18.5	5
250M	4,6,8	406	80	484	485	358	349	/	445	168	75	M20X42	140	12	7.5	18	58	69	250	35	4-Φ24	910	22	770	347	500	450	550	18.5	5
280S	2	457	85	542	547	387	368	368	485	190	65	M20X42	140	125	7.5	18	58	69	280	35	4-Φ24	982	22	842	355.5	550	450	550	18.5	5
280S	4,6,8	457	85	542	547	387	368	/	485	190	75	M20X42	140	125	7.5	20	67.5	79.5	280	35	4-Φ24	982	22	842	355.5	500	450	550	18.5	5
280M	2	457	85	542	547	387	419	368	536	190	65	M20X42	140	125	7.5	18	58	69	280	35	4-Φ24	1033	22	893	355.5	500	450	550	18.5	5
280M	4,6,8	457	85	542	64	387	419	368	536	190	80	M20X42	140	125	7.5	20	67.5	79.5	280	45	4-Φ24	1033	22	893	355.5	500	450	550	18.5	5
315S	2	508	120	628	620	527	406	/	570	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Φ28	1194	22	1054	397	600	550	660	24	6
315S	4,6,8,10	508	120	628	620	527	406	/	570	216	80	M20X42	170	160	5	22	71	85	315	45	4-Φ28	1224	22	1054	427	600	550	660	24	6
315M,L	2	508	120	628	620	527	457	406	680	216	65	M20X42	140	125	7.5	18	58	69	315	45	4-Φ28	1304	22	1164	397	600	550	660	24	6
315M,L	4,6,8,10	508	120	628	620	527	457	406	680	216	80	M20X42	170	160	5	22	71	85	315	45	4-Φ28	1334	22	1164	427	600	550	660	24	6
355M,L	2	610	116	726	698	642	630	560	750	254	75	M20X42	140	130	7.5	20	67.5	79.5	355	52	6-Φ28	1486	25	1346	414	740	680	800	24	6
355M,L	4,6,8,10	610	116	726	698	642	630	560	750	254	95	M24X50	170	160	5	25	86	100	355	52	6-Φ28	1516	25	1346	444	740	680	800	24	6

IE3 Mounting and Overall Dimensions

IM V1 H160-355



Type	Pole	AC	AD	D	DH	E	EB	ED	F	G	GA	HD	L	LA	LB	LD	LM	M	N	P	S	T
160M	2,4,6,8	314	251	42	M16X36	110	90	10	12	37	45	426	590	15	498	256	650	300	250	350	18.5	5
160L	2,4,6,8	314	251	42	M16X36	110	90	10	12	37	45	426	645	15	542	256	707	300	250	350	18.5	5
180M	2,4,8	355	267	48	M16X36	110	90	10	14	42.5	51.5	444.5	652	15	578	271	724	300	250	350	18.5	5
180L	4,6,8	355	267	48	M16X36	110	90	10	14	42.5	51.5	444.5	690	15	616	271	762	300	250	350	18.5	5
200L	2,4,6,8	397	299	55	M20X42	110	100	5	16	49	59	499	746	17	669	296	820	350	300	400	18.5	5
225S	4,8	446	322	60	M20X42	140	125	7.5	18	53	64	547	780	20	684	329	855	400	350	450	18.5	5
225M	2	446	322	55	M20X42	110	100	5	16	49	59	547	810	20	709	299	863	400	350	450	18.5	5
225M	4,6,8	446	322	60	M20X42	140	125	7.5	18	53	64	547	810	20	709	329	863	400	350	450	18.5	5
250M	2	485	358	60	M20X42	140	125	7.5	18	53	64	633	900	22	770	347	976	500	450	550	18.5	5
250M	4,6,8	485	358	65	M20X42	140	125	7.5	18	58	69	633	900	22	770	347	976	500	450	550	18.5	5
280S	2	547	387	65	M20X42	140	125	7.5	18	58	69	662	961	22	842	355.5	1038	500	450	550	18.5	5
280S	4,6,8	547	387	75	M20X42	140	125	7.5	20	67.5	79.5	662	961	22	842	355.5	1038	500	450	550	18.5	5
280M	2	547	387	65	M20X42	140	125	7.5	18	58	69	662	1012	22	893	355.5	1090	500	450	550	18.5	5
280M	4,6,8	547	387	75	M20X42	140	125	7.5	20	67.5	79.5	662	1012	22	893	355.5	1090	500	450	550	18.5	5
315S	2	620	527	65	M20X42	140	125	7.5	18	58	69	857	1194	22	1054	397	1275	600	550	660	24	6
315S	4,6,8,10	620	527	80	M20X42	170	160	5	22	71	85	857	1224	22	1054	427	1305	600	550	660	24	6
315M	2	620	527	65	M20X42	140	125	7.5	18	58	69	857	1304	22	1164	397	1385	600	550	660	24	6
315M	4,6,8,10	620	527	80	M20X42	170	160	5	22	71	85	857	1334	22	1164	427	1415	600	550	660	24	6
315L	2	620	527	65	M20X42	140	125	7.5	18	58	69	857	1304	22	1164	397	1385	600	550	660	24	6
315L	4,6,8,10	620	527	80	M20X42	170	160	5	22	71	85	857	1334	22	1164	427	1415	600	550	660	24	6
355M	2	698	642	75	M20X42	140	130	5	20	67.5	79.5	1042	1486	25	1346	414	1567	740	680	800	24	6
355M	4,6,8,10	698	642	95	M24X50	170	160	5	25	86	100	1042	1516	25	1346	444	1597	740	680	800	24	6
355L	2	698	642	75	M20X42	140	130	5	20	67.5	79.5	1042	1486	25	1346	414	1567	740	680	800	24	6
355L	4,6,8,10	698	642	95	M24X50	170	160	5	25	86	100	1042	1516	25	1346	444	1597	740	680	800	24	6