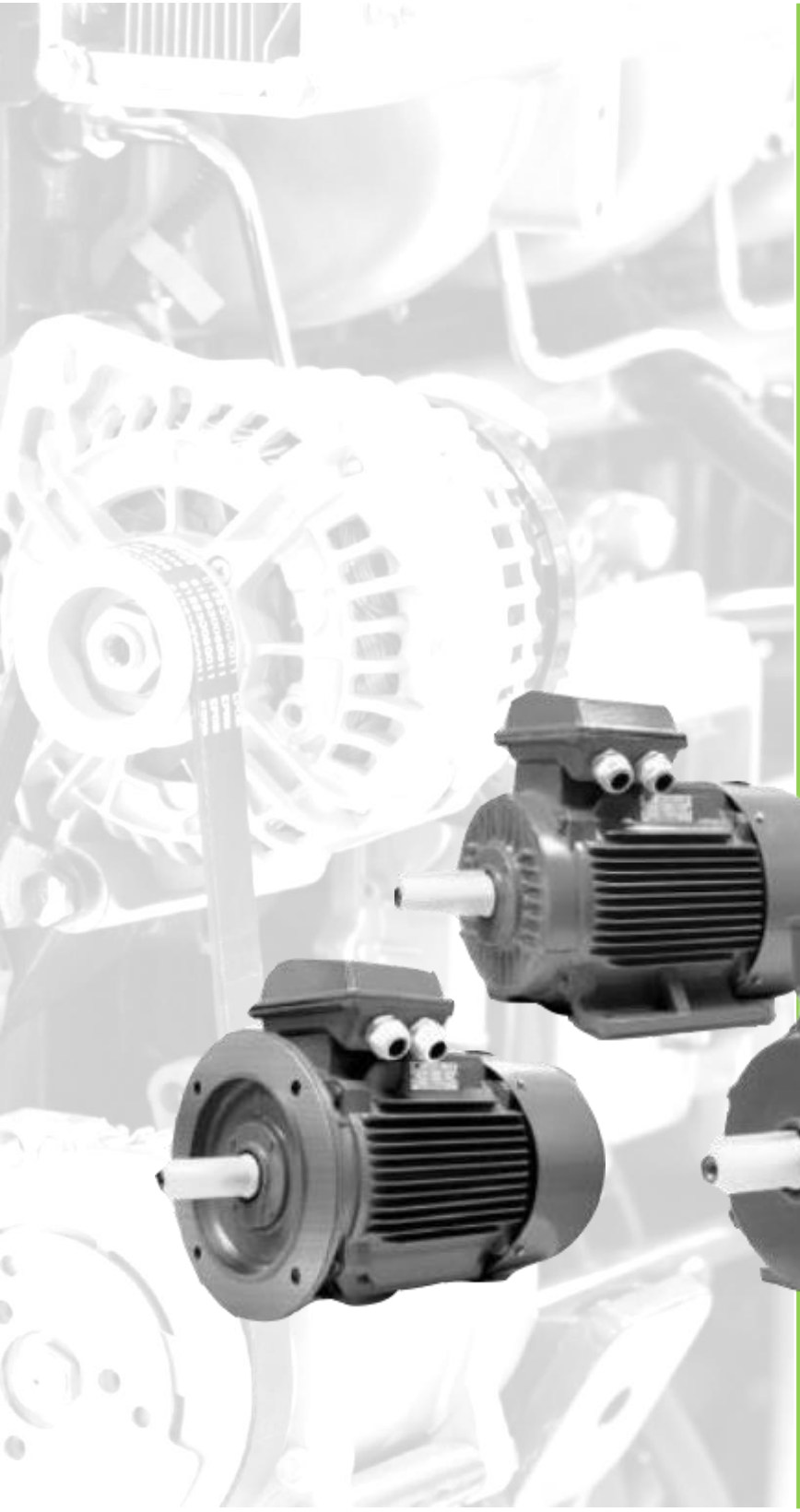
GEM *Motor*

(**G**reen **E**ngineering and **M**anagement Co.,Ltd)



CATALOGUE

SQUIRREL – CAGE INDUCTION MOTORS

(IE1–IE3)

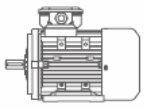
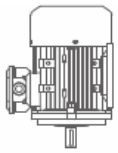
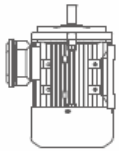
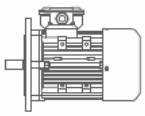
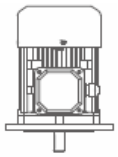
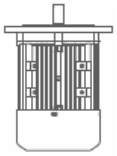
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TYPE OF INSTALLATION

Postitioning of the motor at the place of work, in relation to the line of axis (horizontal or vertical) and the fixing devices. The table shows the most widespread methods of installtion in relation to the construction shape in conformity with IEC34-7, codes I and II are gicen, relative to the two systems of classification used.

 IM B3 IM 1001	 IM V5 IM 1011	 IM V6 IM 1031	 IM B6 IM 1051	 IM B7 IM 1061	 IM B8 IM 1071
 IM B5 IM 3001	 IM V1 IM 3011	 IM V3 IM 3031			

BEARINGS

FRAME NO.	DRIVE END		NON-DRIVE END		OIL SEAL	
	2P	4.6.8P	2P	4.6.8P	2P	4.6.8P
63	6201		6201		12x25x7	
71	6202		6202		15x26x7	
80	6204		6204		20x35x7	
90	6205		6205		25x40x7	
100	6206		6206		30x45x7	
112	6206		6206		30x45x7	
132	6308		6308		40x62x7	
160	6309		6309		45x62x8	
180	6311		6311		55x70x8	
200	6312		6312		60x75x9	
225	6313		6313		65x80x10	
250	6314		6314		70x85x10	
280	6314	6317	6314	6317	70x85x10	85x100x10
315	6317	6319	6317	6319	85x100x10	95x110x10
355	6319	6322	6319	6322	95x110x10	110x130x13
400	6219	6326	6219	6326	95x110x10	130x160x13

Induction Motor Cast - Iron Frame **IE1**

GE1 Series

3 Phase, 50 Hz. 380 V.

Totally enclosed Squirrel cage

Three phase motor, Cast - Iron Frame Insulation class F

IP55, IC411 Temperature rise class B

Technical Data GE1 ,GE1B Series *2 POLE*

OUT PUT (HP-KW)	TYPE DESIGNATION	FRAME SIZE	SPEED (r/min)	Efficiency (%)	POWER FACTOR	CURRENT		TORQUE			Weight (Kg.)
						I_N (A)	$\frac{I_S}{I_N}$	T_N (N.m)	$\frac{T_S}{T_N}$	$\frac{T_{MAX}}{T^N}$	
0.25/0.18	GE1 - 631 - 2	63	2800	65.0	0.80	0.5	5.5	0.61	2.2	2.2	14
0.37/0.25	GE1 - 632 - 2	63	2800	68.0	0.81	0.7	5.5	0.96	2.2	2.2	14.5
0.55/0.37	GE1 - 711 - 2	71	2800	70.0	0.81	1.0	6.1	1.26	2.2	2.2	15
0.75/0.55	GE1 - 712 - 2	71	2800	73.0	0.82	1.4	6.1	1.88	2.3	2.3	15.5
1/0.75	GE1 - 801 - 2	80	2825	75.0	0.83	1.8	6.1	2.54	2.2	2.3	16.5
1.5/1.1	GE1 - 802 - 2	80	2825	77.0	0.84	2.6	7.0	3.72	2.2	2.3	17.5
2/1.5	GE1 - 90S - 2	90S	2840	79.0	0.84	3.4	7.0	5.04	2.2	2.3	21
3/2.2	GE1 - 90L - 2	90L	2840	81.0	0.85	4.9	7.0	7.40	2.2	2.3	25
4/3	GE1 - 100L - 2	100L	2880	83.0	0.87	6.3	7.5	9.95	2.2	2.3	33
5.5/4	GE1 - 112M - 2	112M	2890	85.0	0.88	8.1	7.5	13.22	2.2	2.3	41
7.5/5.5	GE1 - 132S1 - 2	132S	2900	86.0	0.88	11.0	7.5	18.11	2.2	2.3	63
10/7.5	GE1 - 132S2 - 2	132S	2900	87.0	0.88	14.9	7.5	24.70	2.2	2.3	70
15/11	GE1B - 160M1 - 2	160M	2930	90.8	0.85	21.3	7.5	35.85	2.2	2.3	110
20/15	GE1B - 160M2 - 2	160M	2930	91.5	0.86	28.8	7.5	48.89	2.2	2.3	120
25/18.5	GE1B - 160L - 2	160L	2930	92.0	0.85	34.7	7.5	60.30	2.2	2.3	135
30/22	GE1B - 180M - 2	180M	2940	93.7	0.87	41.0	7.5	71.46	2.0	2.3	165
40/30	GE1B - 200L1 - 2	200L	2950	94.2	0.87	55.5	7.5	97.12	2.0	2.3	218
50/37	GE1B - 200L2 - 2	200L	2950	94.6	0.87	67.9	7.5	119.78	2.0	2.3	230
60/45	GE1B - 225M - 2	225M	2970	93.7	0.90	82.3	7.5	144.70	2.0	2.3	280
75/55	GE1B - 250M - 2	250M	2970	94.5	0.91	100.4	7.5	176.85	2.0	2.3	365
100/75	GE1B - 280S - 2	280S	2970	94.6	0.89	134.4	7.5	241.16	2.0	2.3	495
120/90	GE1B - 280M - 2	280M	2970	95.0	0.89	160.2	7.5	289.39	2.0	2.3	565
150/110	GE1B - 315S - 2	315S	2980	95.1	0.89	195.4	7.1	352.51	1.8	2.2	890
175/132	GE1B - 315M - 2	315M	2980	95.3	0.89	233.2	7.1	233.20	1.8	2.2	980
220/160	GE1B - 315L1 - 2	315L	2980	95.4	0.90	279.3	7.1	512.75	1.8	2.2	1055
270/200	GE1B - 315L2 - 2	315L	2980	95.1	0.92	348.4	7.1	640.94	1.8	2.2	1110
340/250	GE1B - 355M - 2	355M	2985	95.3	0.92	433.2	7.1	799.83	1.6	2.2	1900
430/315	GE1B - 355L - 2	355L	2985	95.7	0.92	544.2	7.1	1007.79	1.6	2.2	2300

Induction Motor Cast - Iron Frame **IE1**

GE1 Series

3 Phase, 50 Hz. 380 V.

Totally enclosed Squirrel cage

Three phase motor, Cast - Iron Frame Insulation class F

IP55, IC411 Temperature rise class B

Technical Data GE1 , GE1B Series *4 POLE*

OUT PUT (HP-KW)	TYPE DESIGNATION	FRAME SIZE	SPEED (r/min)	Efficiency (%)	POWER FACTOR	CURRENT		TORQUE			Weight (Kg.)
						I_N (A)	$\frac{I_S}{I_N}$	T_N (N.m)	$\frac{T_S}{T_N}$	$\frac{T_{MAX}}{T^N}$	
0.18/0.12	GE1 - 631 - 4	63	1400	57.00	0.72	0.4	4.4	0.82	2.1	2.2	13
0.25/0.18	GE1 - 632 - 4	63	1400	60.00	0.73	0.6	4.4	1.23	2.1	2.2	13.5
0.37/0.25	GE1 - 711 - 4	71	1400	65.00	0.74	0.8	5.2	1.71	2.1	2.2	14
0.55/0.37	GE1 - 712 - 4	71	1400	67.00	0.75	1.1	5.2	2.54	2.1	2.2	14.5
0.75/0.55	GE1 - 801 - 4	80	1390	71.00	0.75	1.6	5.2	3.78	2.4	2.3	15
1/0.75	GE1 - 802 - 4	80	1390	73.00	0.77	2.0	6.0	5.15	2.4	2.3	16
1.5/1.1	GE1 - 90S - 4	90S	1400	75.00	0.77	2.9	6.0	7.50	2.3	2.3	23
2/1.5	GE1 - 90L - 4	90L	1400	78.00	0.79	3.7	6.0	10.23	2.3	2.3	25
3/2.2	GE1 - 100L1 - 4	100L	1420	80.00	0.81	5.2	7.0	14.80	2.3	2.3	33
4/3	GE1 - 100L2 - 4	100L	1420	82.00	0.82	6.8	7.0	20.18	2.3	2.3	35
5.5/4	GE1 - 112M - 4	112M	1440	84.00	0.82	8.8	7.0	26.53	2.3	2.3	41
7.5/5.5	GE1 - 132S -1 4	132S	1440	85.00	0.83	11.8	7.0	36.48	2.3	2.3	56
10/7.5	GE1 - 132M - 4	132M	1440	87.00	0.84	15.6	7.0	19.74	2.3	2.3	76
15/11	GE1B - 160M - 4	160M	1460	90.6	0.83	22.3	7.0	71.59	2.2	2.3	118
20/15	GE1B - 160L - 4	160L	1460	91.2	0.83	30.1	7.5	98.12	2.2	2.3	132
25/18.5	GE1B - 180M - 4	180M	1470	92.4	0.82	36.5	7.5	120.19	2.2	2.3	164
30/22	GE1B - 180L - 4	180L	1470	92.7	0.86	43.2	7.5	142.93	2.2	2.3	182
40/30	GE1B - 200L - 4	200L	1480	93.9	0.83	57.6	7.2	160.96	2.2	2.3	245
50/37	GE1B - 225S - 4	225S	1480	93.7	0.87	69.9	7.2	198.51	2.2	2.3	258
60/45	GE1B - 225M - 4	225M	1480	93.8	0.88	84.7	7.2	290.37	2.2	2.3	290
75/55	GE1B - 250M - 4	250M	1480	94.3	0.88	103.3	7.2	354.90	2.2	2.3	388
100/75	GE1B - 280S - 4	280S	1480	94.7	0.88	139.3	7.2	483.95	2.2	2.3	510
120/90	GE1B - 280M - 4	280M	1485	94.8	0.89	166.9	7.2	578.79	2.2	2.3	606
150/110	GE1B - 315S - 4	315S	1485	95.2	0.88	201.0	6.9	707.41	2.1	2.2	910
175/132	GE1B - 315M - 4	315M	1485	95.3	0.88	240.4	6.9	848.89	2.1	2.2	1000
220/160	GE1B - 315L1 - 4	315L	1485	95.3	0.89	287.8	6.9	1028.96	2.1	2.2	1055
270/200	GE1B - 315L2 - 4	315L	1485	95.4	0.87	359.4	6.9	1286.20	2.1	2.2	1128
340/250	GE1B - 355M - 4	355M	1490	95.8	0.88	442.9	6.9	1602.35	2.1	2.2	1700
430/315	GE1B - 355L - 4	355L	1490	95.8	0.88	556.2	6.9	2018.96	2.1	2.2	1900

Induction Motor Cast - Iron Frame **IE1**

GE1 Series

3 Phase, 50 Hz. 380 V.

Totally enclosed Squirrel cage

Three phase motor, Cast - Iron Frame Insulation class F

IP55, IC411 Temperature rise class B

Technical Data GE1 , GE1B Series *6 POLE*

OUT PUT (HP-KW)	TYPE DESIGNATION	FRAME SIZE	SPEED (r/min)	Efficiency (%)	POWER FACTOR	CURRENT		TORQUE			Weight (Kg.)
						I_N (A)	$\frac{I_S}{I_N}$	T_N (N.m)	$\frac{T_S}{T_N}$	$\frac{T_{MAX}}{T^N}$	
0.25/0.18	GE1 - 711 - 6	71	900	56.0	0.66	0.8	4.0	1.91	1.9	2.0	14
0.37/0.25	GE1 - 712 - 6	71	900	59.0	0.68	0.9	4.0	2.65	1.9	2.0	14.5
0.55/0.37	GE1 - 801 - 6	80	900	62.0	0.70	1.33	4.7	3.93	1.9	2.0	15
0.75/0.55	GE1 - 802 - 6	80	900	65.0	0.72	1.8	5.5	5.84	1.9	2.1	16
1/0.75	GE1 - 90S - 6	90S	910	69.0	0.72	2.3	5.5	7.87	2.0	2.1	19
1.5/1.1	GE1 - 90L - 6	90L	910	72.0	0.73	3.2	5.5	11.54	2.0	2.1	22
2/1.5	GE1 - 100L - 6	100L	940	76.0	0.76	3.9	6.5	15.24	2.0	2.1	32
3/2.2	GE1 - 112M - 6	112M	940	79.0	0.76	5.6	6.5	22.35	2.1	2.1	41
4/3	GE1 - 132S - 6	132S	960	81.0	0.76	7.4	6.5	29.84	2.1	2.1	63
5.5/4	GE1 - 132M1 - 6	132M	960	82.0	0.76	9.9	6.5	39.79	2.1	2.1	72
7.5/5.5	GE1 - 132M2 - 6	132M	960	84.0	0.77	12.9	6.5	54.71	2.1	2.1	81
10/7.5	GE1 - 160M - 6	160M	970	86.0	0.78	16.9	6.5	73.84	2.0	2.1	118
15/11	GE1B - 160L - 6	160L	970	89.6	0.79	24.2	6.5	108.30	2.0	2.1	145
20/15	GE1B - 180L - 6	180L	970	91.6	0.87	31.6	7.0	147.68	2.1	2.1	178
25/18.5	GE1B - 200L1 - 6	200L	970	91.5	0.82	38.6	7.0	182.14	2.1	2.1	200
30/22	GE1B - 200L2 - 6	200L	970	92.0	0.82	44.7	7.0	216.60	2.1	2.1	228
40/30	GE1B - 225M - 6	225M	980	92.6	0.85	59.3	7.0	292.35	2.0	2.1	265
50/37	GE1B - 250M - 6	250M	980	93.1	0.84	71.1	7.0	360.56	2.1	2.1	370
60/45	GE1B - 280S - 6	280S	980	93.5	0.82	85.9	7.0	438.52	2.1	2.0	490
75/55	GE1B - 280M - 6	280M	980	93.7	0.82	104.7	7.0	535.97	2.1	2.0	540
100/75	GE1B - 315S - 6	315S	980	94.1	0.84	141.7	7.0	730.87	2.0	2.0	900
120/90	GE1B - 315M - 6	315M	985	94.4	0.83	169.5	7.0	872.59	2.0	2.0	980
150/110	GE1B - 315L1 - 6	315L	985	94.6	0.84	206.7	6.7	1066.50	2.0	2.0	1045
175/132	GE1B - 315L2 - 6	315L	985	94.6	0.84	244.7	6.7	1279.80	2.0	2.0	1100
220/160	GE1B - 355M1 - 6	355M	990	94.5	0.88	292.3	6.7	1543.43	1.9	2.0	1550
270/200	GE1B - 355M2 - 6	355M	990	96.7	0.81	364.6	6.7	1929.29	1.9	2.0	1600
340/250	GE1B - 355L - 6	355L	990	96.2	0.81	454.8	6.7	2411.62	1.9	2.0	1700

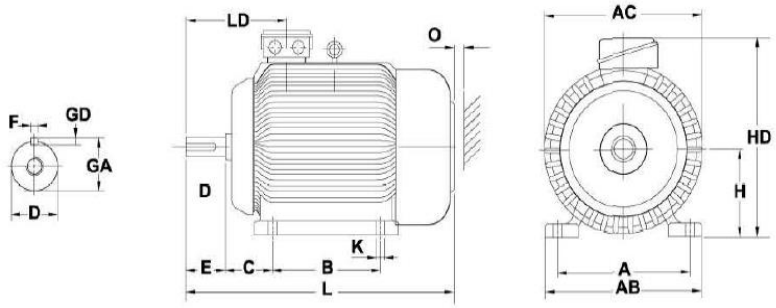
DIMENSION *IM B3, IM B6, IM B7, IM V5, IM V6*

Foot-Mounted motor designation

Cast iron motors with

Top-mounted terminal box

Type: GE1 63…..160L



GE1 Series DIMENSIONS

FRAME SIZE	A	AB	AC	B	C	D	E	F	GA	GD	H	HD	K	L	LD	O
63	100	135	130	80	40	11	23	4	13	4	63	180	7	225	95	15
71	112	150	145	90	45	14	30	5	16	5	71	195	7	250	95	15
80	125	165	175	100	50	19	40	6	22	6	80	214	10	295	116	20
90S	140	180	195	100	56	24	50	8	27	7	90	250	10	315	128	25
90L	140	180	195	125	56	24	50	8	27	7	90	250	10	340	128	25
100L	160	205	215	140	63	28	60	8	31	7	100	270	12	385	138	25
112M	190	230	240	140	70	28	60	8	31	7	112	300	12	400	152	25
132S	216	270	275	140	89	38	80	10	41	8	132	345	12	470	177	25
132M	216	270	275	178	89	38	80	10	41	8	132	345	12	510	177	25
160M	254	320	330	210	108	42	110	12	45	8	160	420	15	615	260	40

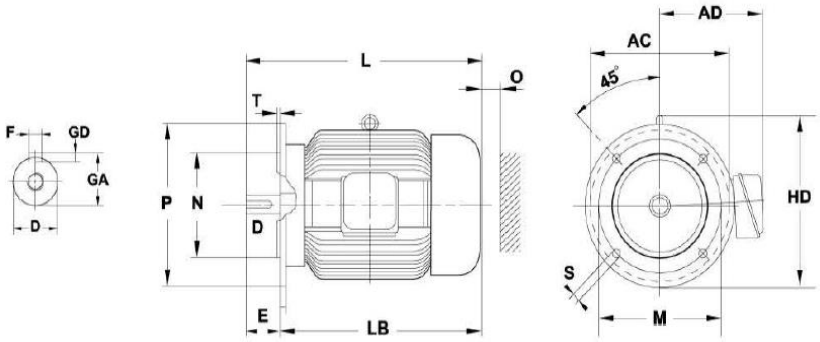
DIMENSION *IM B5, IM V1, IM V3*

Flange-Mounted motor designation

Cast iron motors with

Top-mounted terminal box

Type: GE1 63…..160L



GE1 Series DIMENSIONS

FRAME SIZE	A	AD	D	E	F	GA	GD	HD	L	LB	M	N	O	P	S	T
63	130	70	11	23	4	13	4	130	225	202	115	95	15	140	10	3
71	145	80	14	30	5	16	5	145	250	220	130	110	15	160	10	3.5
80	175	145	19	40	6	22	6	185	295	255	165	130	20	200	12	3.5
90S	195	155	24	50	8	27	7	195	315	265	165	130	25	200	12	3.5
90L	195	155	24	50	8	27	7	195	340	290	165	130	25	200	12	3.5
100L	215	180	28	60	8	31	7	245	385	325	215	180	25	250	15	4
112M	240	190	28	60	8	31	7	265	400	340	215	180	25	250	15	4
132S	275	210	38	80	10	41	8	315	470	390	265	230	25	300	15	4
132M	275	210	38	80	10	41	8	315	510	430	265	230	25	300	15	4
160M	330	255	42	110	12	45	8	385	615	505	300	250	40	300	19	5

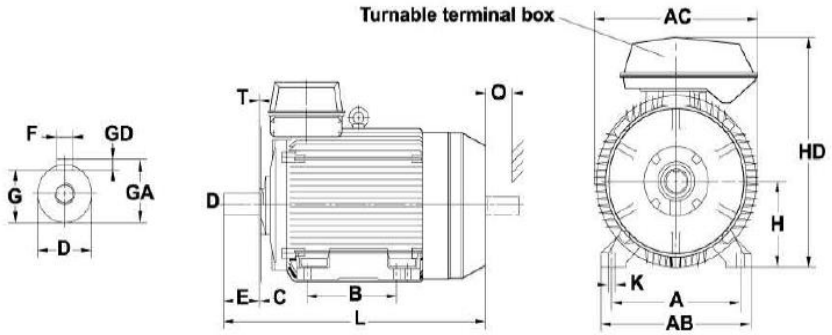
DIMENSION *IM B3, B6, B7, B8, V5, V6*

Foot-Mounted motor designation

Cast iron motors with

Top-mounted terminal box

Type: GE1B 160M…..355L



GE1B Series DIMENSIONS

FRAME SIZE	POLES	A	AB	AC	B	C	D	E	F	G	GA	GD	H	HD	K	L	O
160M	2,4,6,8	254	320	330	210	108	42	110	12	37	45	8	160	420	15	615	40
160L	2,4,6,8	254	320	330	254	108	42	110	12	37	45	8	160	420	15	670	40
180M	2,4,6,8	279	355	380	241	121	48	110	14	43	51.50	9	180	455	15	700	40
180L	2,4,6,8	279	355	380	279	121	48	110	14	43	51.50	9	180	455	15	740	40
200L	2,4,6,8	318	395	420	305	133	55	110	16	49	59	10	200	545	19	770	70
225S	4,6,8	356	435	470	286	149	60	140	18	53	64	11	225	555	19	815	80
225M	2	356	435	470	311	149	55	110	16	49	59	10	225	555	19	820	80
	4,6,8	356	435	470	311	149	60	140	18	53	64	11	225	555	19	845	80
250M	2	406	490	510	349	168	60	140	18	53	64	11	250	615	24	910	90
	4,6,8	406	490	510	349	168	65	140	18	56	67	11	250	615	24	910	90
280S	2	457	550	580	368.0	190	65	140	18	56.0	67	11	280	680	24	985	100
	4,6,8	457	550	580	368.0	190	75	140	20	67.5	79.5	12	280	680	24	985	100
280M	2	457	550	580	419	190	65	140	18	58	69	11	280	680	24	1035	100
	4,6,8	457	550	580	419	190	75	140	20	67.5	79.5	12	280	680	24	1035	100
315S	2	508	635	645	406	216	65	140	18	58	69	11	315	845	28	1160	115
	4,6,8	508	635	645	406	216	80	170	22	71	85	14	315	845	28	1270	115
315M	2	508	635	645	457	216	65	140	18	58	69	11	315	845	28	1190	115
	4,6,8	508	635	645	457	216	80	170	22	71	85	14	315	845	28	1300	115
315L	2	508	635	645	508	216	65	140	18	58	69	11	315	845	28	1190	115
	4,6,8	508	635	645	508	216	80	170	22	71	85	14	315	845	28	1300	115
355M	2	610	730	710	560	254	75	140	20	67.5	79.5	12	355	1010	28	1500	130
	4,6,8	610	730	710	560	254	95	170	25	86	102	16	355	1010	28	1530	130
355L	2	610	730	710	610	254	75	140	20	67.5	79.5	12	355	1010	28	1500	130
	4,6,8	610	730	710	610	254	95	170	25	86	102	16	355	1010	28	1530	130

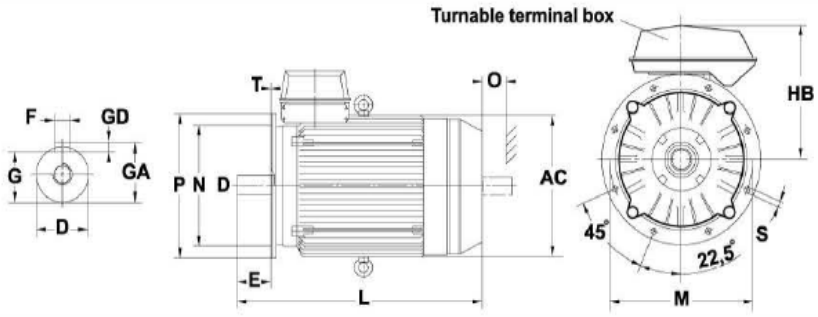
DIMENSION *IM B5, V1, V3*

Flange-Mounted motor designation

Cast iron motors with

Top-mounted terminal box

Type: GE1B 160M…..355L



GE1B Series DIMENSIONS

FRAME SIZE	POLES	AC	D	E	F	G	GA	GD	HB	L	M	N	P	S	T	O
160M	2,4,6,8	330	42	110	12	37	45	8	255	615	300	250	350	19	5	40
160L	2,4,6,8	330	42	110	12	37	45	8	255	670	300	250	350	19	5	40
180M	2,4,6,8	380	48	110	14	42.5	51.50	9	280	700	300	250	350	19	5	40
180L	2,4,6,8	380	48	110	14	42.5	51.50	9	280	740	300	250	350	19	5	40
200L	2,4,6,8	420	55	110	16	49	59	10	305	770	350	300	400	19	5	70
225S	4,6,8	470	60	140	18	53	64	11	335	815	400	350	450	19	5	80
225M	2	470	55	110	16	49	59	10	335	820	400	350	450	19	5	80
	4,6,8	470	60	140	18	53	64	11	335	845	400	350	450	19	5	80
250M	2	510	60	140	18	53	64	11	370	910	500	450	550	19	5	90
	4,6,8	510	65	140	18	58	67	11	370	910	500	450	550	19	5	90
280S	2	580	65	140	18	58	67	11	410	985	500	450	550	19	5	100
	4,6,8	580	75	140	20	67.5	79.5	12	410	985	500	450	550	19	5	100
280M	2	580	65	140	18	58	69	11	410	1035	500	450	550	19	5	100
	4,6,8	580	75	140	20	67.5	79.5	12	410	1035	500	450	550	19	5	100
315S	2	645	65	140	18	58	69	11	530	1160	600	550	660	24	6	115
	4,6,8	645	80	170	22	71	85	14	530	1270	600	550	660	24	6	115
315M	2	645	65	140	18	58	69	11	530	1190	600	550	660	24	6	115
	4,6,8	645	80	170	22	71	85	14	530	1300	600	550	660	24	6	115
315L	2	645	65	140	18	58	69	11	530	1190	600	550	660	24	6	115
	4,6,8	645	80	170	22	71	85	14	530	1300	600	550	660	24	6	115
355M	2	710	75	140	20	67.5	79.5	12	655	1500	740	680	800	24	6	130
	4,6,8	710	95	170	25	86	102	16	655	1530	740	680	800	24	6	130
355L	2	710	75	140	20	67.5	79.5	12	655	1500	740	680	800	24	6	130
	4,6,8	710	95	170	25	86	102	16	655	1530	740	680	800	24	6	130

Induction Motor Cast - Iron Frame **IE2**

GE2 Series

3 Phase, 50 Hz. 380 V.

Totally enclosed Squirrel cage

Three phase motor, Cast - Iron Frame Insulation class F

IP55, IC411 Temperature rise class B

Technical Data GE2 ,GE2B Series *2 POLE*

OUT PUT (HP-KW)	TYPE DESIGNATION	FRAME SIZE	SPEED (r/min)	Efficiency (%)	POWER FACTOR	CURRENT		TORQUE			Weight (Kg.)
						I_N (A)	$\frac{I_S}{I_N}$	T_N (N.m)	$\frac{T_S}{T_N}$	$\frac{T_{MAX}}{T^N}$	
1/0.75	GE2 - 801 - 2	80	2875	77.4	0.83	1.8	5.3	2.54	2.5	3	17
1.5/1.1	GE2 - 802 - 2	80	2888	13.2	0.84	2.5	7.0	3.72	3.2	3.8	18
2/1.5	GE2 - 90S - 2	90S	2887	81.3	0.84	3.3	7.1	5.04	2.7	3.5	22
3/2.2	GE2 - 90L - 2	90L	2889	83.2	0.85	4.7	6.9	7.40	2.4	3	26
4/3	GE2 - 100L - 2	100L	2890	84.6	0.87	6.2	8.0	9.95	3.2	4	34
5.5/4	GE2 - 112M - 2	112M	2901	85.8	0.87	8.0	7.5	13.22	2.5	3	42
7.5/5.5	GE2 - 132S1 - 2	132S	2915	87.0	0.86	10.9	7.5	18.11	2.7	3.5	64
10/7.5	GE2 - 132S2 - 2	132S	2915	88.1	0.87	14.7	7.5	24.70	2.4	3.3	68
15/11	GE2B - 160M1 - 2	160M	2930	89.4	0.85	21.0	7.6	35.85	2.2	2.9	113
20/15	GE2B - 160M2 - 2	160M	2940	90.3	0.86	28.4	7.6	48.89	2.3	3	123
25/18.5	GE2B - 160L - 2	160L	2940	90.9	0.85	34.4	7.4	60.30	2.3	3.1	149
30/22	GE2B - 180M - 2	180M	2945	91.3	0.87	40.7	8.2	71.46	2.8	3	182
40/30	GE2B - 200L1 - 2	200L	2950	92.0	0.87	55.1	7.8	97.12	2.6	3	237
50/37	GE2B - 200L2 - 2	200L	2955	92.5	0.87	67.5	7.7	119.78	2.6	3	255
60/45	GE2B - 225M - 2	225M	2975	92.9	0.90	81.8	7.5	144.70	2.4	2.6	314
75/55	GE2B - 250M - 2	250M	2975	93.2	0.91	99.6	7.1	176.85	2.3	2.8	413
100/75	GE2B - 280S - 2	280S	2985	93.8	0.89	135.0	7.4	241.16	2.5	2.8	550
120/90	GE2B - 280M - 2	280M	2972	94.1	0.89	159.7	7.6	289.39	2.8	2.8	605
150/110	GE2B - 315S - 2	315S	2982	94.3	0.89	194.8	6.9	352.51	2.4	2.9	946
175/132	GE2B - 315M - 2	315M	2982	94.6	0.89	233.0	7.1	233.20	2.6	2.9	1056
220/160	GE2B - 315L1 - 2	315L	2979	94.8	0.90	278.7	7.1	512.75	2.5	2.8	1122
250/185	GE2B - 315L2 - 2	315L	2979	94.9	0.91	326.0	7.1	514.00	1.8	2.2	1080
270/200	GE2B - 315L3 - 2	315L	2979	95.0	0.92	347.7	7.1	556.00	1.8	2.2	1188
300/220	GE2B - 355M1 - 2	355M	2985	95.0	0.91	440.0	7.1	570.40	1.7	2.2	1575
340/250	GE2B - 355M2 - 2	355M	2985	95.0	0.92	434.6	7.1	610.40	1.6	2.2	1870
375/280	GE2B - 355L1 - 2	355L	2985	95.0	0.91	493.0	7.1	680.70	1.6	2.2	1655
430/315	GE2B - 355L2 - 2	355L	2985	95.0	0.92	547.6	7.2	770.30	1.6	2.2	2035
476/355	GE2B - 355L3 - 2	355L	2985	95.0	0.91	624.0	7.2	870.10	1.6	2.2	1910

Induction Motor Cast - Iron Frame **IE2**

GE2 Series

3 Phase, 50 Hz. 380 V.

Totally enclosed Squirrel cage

Three phase motor, Cast - Iron Frame Insulation class F

IP55, IC411 Temperature rise class B

Technical Data GE2 , GE2B Series *4 POLE*

OUT PUT (HP-KW)	TYPE DESIGNATION	FRAME SIZE	SPEED (r/min)	Efficiency (%)	POWER FACTOR	CURRENT		TORQUE			Weight (Kg.)
						I_N (A)	$\frac{I_S}{I_N}$	T_N (N.m)	$\frac{T_S}{T_N}$	$\frac{T_{MAX}}{T^N}$	
1/0.75	GE2 - 802 - 4	80	1428	79.6	0.76	1.9	2.9	5.15	1.7	2.4	17
1.5/1.1	GE2 - 90S - 4	90S	1431	81.4	0.77	2.7	3.5	7.50	2.4	3	21
2/1.5	GE2 - 90L - 4	90L	1438	82.8	0.79	3.5	3.8	10.23	3.2	3.2	25
3/2.2	GE2 - 100L1 - 4	100L	1441	84.3	0.81	4.9	3.5	14.80	4.5	3	33
4/3	GE2 - 100L2 - 4	100L	1429	85.5	0.82	6.5	3.3	20.18	6	2.6	36
5.5/4	GE2 - 112M - 4	112M	1444	86.6	0.82	8.6	4.0	26.53	7.8	3.5	47
7.5/5.5	GE2 - 132S - 4	132S	1456	87.7	0.83	11.5	2.8	36.48	10.5	2.2	66
10/7.5	GE2 - 132M - 4	132M	1455	88.7	0.84	15.3	3.0	19.74	14	2.4	76
15/11	GE2B - 160M - 4	160M	1470	89.8	0.84	22.2	2.9	71.59	20.3	2.5	118
20/15	GE2 - 160L - 4	160L	1470	90.6	0.85	29.6	3.0	98.12	27.1	2.5	143
25/18.5	GE2 - 180M - 4	180M	1475	91.2	0.86	35.8	7.8	120.19	2.6	3.1	178
30/22	GE2 - 180L - 4	180L	1475	91.6	0.86	42.4	7.5	142.93	2.6	3.1	193
40/30	GE2 - 200L - 4	200L	1480	92.3	0.86	57.4	7.1	160.96	2.4	2.9	250
50/37	GE2 - 225S - 4	225S	1485	92.7	0.87	69.7	7.5	198.51	2.5	2.7	310
60/45	GE2 - 225M - 4	225M	1485	93.1	0.87	84.4	7.6	290.37	2.5	2.8	347
75/55	GE2 - 250M - 4	250M	1480	93.5	0.87	102.7	7.3	354.90	2.6	2.7	429
100/75	GE2 - 280S - 4	280S	1485	94.0	0.87	139.3	7.6	483.95	2.7	2.7	578
120/90	GE2 - 280M - 4	280M	1489	94.2	0.87	166.9	7.5	578.79	2.7	2.7	649
150/110	GE2 - 315S - 4	315S	1492	94.5	0.88	201.0	7.1	707.41	2.7	2.9	990
175/132	GE2 - 315M - 4	315M	1486	94.7	0.88	240.7	7.3	848.89	2.7	2.9	1100
220/160	GE2 - 315L1 - 4	315L	1486	94.9	0.89	287.8	7.4	1028.96	3.0	3.0	1177
250/185	GE2 - 315L2 - 4	315L	1486	95.0	0.90	329.0	7.4	1157.58	3.0	3.0	1181
270/200	GE2 - 315L3 - 4	315L	1487	95.1	0.90	359.0	7.6	1286.20	3.0	3.0	1254
300/220	GE2 - 355M1- 4	355M	1490	95.1	0.90	391.0	7.5	1444.28	2.8	2.9	1530
340/250	GE2 - 355M2 - 4	355M	1490	95.1	0.90	443.8	7.5	1602.35	2.8	2.9	1610
375/280	GE2 - 355L1 - 4	355L	1490	95.1	0.90	498.0	7.4	1810.66	2.8	2.9	1680
430/315	GE2 - 355L2 - 4	355L	1490	95.1	0.90	559.2	7.4	2018.96	2.6	2.8	1775
476/355	GE2 - 355L3 - 4	355L	1490	95.1	0.90	638.0	7.4	2275.20	2.6	2.8	1935

Induction Motor Cast - Iron Frame **IE2**

GE2 Series

3 Phase, 50 Hz. 380 V.

Totally enclosed Squirrel cage

Three phase motor, Cast - Iron Frame Insulation class F

IP55, IC411 Temperature rise class B

Technical Data GE2 , GE2B Series *6 POLE*

OUT PUT (HP-KW)	TYPE DESIGNATION	FRAME SIZE	SPEED (r/min)	Efficiency (%)	POWER FACTOR	CURRENT		TORQUE			Weight (Kg.)
						I_N (A)	$\frac{I_S}{I_N}$	T_N (N.m)	$\frac{T_S}{T_N}$	$\frac{T_{MAX}}{T^N}$	
1/0.75	GE2 - 90S - 6	90S	944	75.9	0.72	2.1	4.5	7.87	2.2	2.4	22
1.5/1.1	GE2 - 90L - 6	90L	928	78.1	0.73	2.9	4.5	11.54	2.4	2.6	26
2/1.5	GE2 - 100L - 6	100L	939	79.8	0.75	3.8	4.2	15.24	1.8	2.2	32
3/2.2	GE2 - 112M - 6	112M	936	81.8	0.76	5.4	4.5	22.35	2.3	2.8	41
4/3	GE2 - 132S - 6	132S	960	83.3	0.76	7.2	4.5	29.84	1.8	2.4	58
5.5/4	GE2 - 132M1 - 6	132M	957	84.6	0.76	9.5	5.0	39.79	2.3	2.7	70
7.5/5.5	GE2 - 132M2 - 6	132M	962	86.0	0.77	12.6	5.5	54.71	1.9	2.8	79
10/7.5	GE2 - 160M - 6	160M	975	87.2	0.77	17.0	6.5	73.84	2.0	3.0	107
15/11	GE2B - 160L - 6	160L	975	88.7	0.78	24.2	7.5	108.30	2.4	3.3	139
20/15	GE2B - 180L - 6	180L	975	89.7	0.81	31.4	6.4	147.68	2.0	2.7	183
25/18.5	GE2B - 200L1 - 6	200L	985	90.4	0.81	38.4	7.0	182.14	2.3	3.0	226
30/22	GE2B - 200L2 - 6	200L	980	90.9	0.83	44.3	7.0	216.60	2.3	2.8	242
40/30	GE2B - 225M - 6	225M	985	91.7	0.84	59.2	6.5	292.35	2.2	2.7	319
50/37	GE2B - 250M - 6	250M	985	92.2	0.86	70.9	6.9	360.56	2.5	2.7	407
60/45	GE2B - 280S - 6	280S	990	92.7	0.86	85.8	7.0	438.52	2.2	2.4	539
75/55	GE2B - 280M - 6	280M	994	93.1	0.86	104.4	7.1	535.97	2.4	2.5	594
100/75	GE2B - 315S - 6	315S	992	93.7	0.86	141.4	7.3	730.87	2.8	3.0	935
120/90	GE2B - 315M - 6	315M	991	94.0	0.86	169.2	7.1	872.59	2.7	2.9	1056
150/110	GE2B - 315L1 - 6	315L	991	94.3	0.86	206.1	7.4	1066.50	2.9	2.9	1166
175/132	GE2B - 315L2 - 6	315L	990	94.6	0.87	243.7	7.6	1279.80	3.0	3.1	1232
220/160	GE2B - 355M1 - 6	355M	990	94.8	0.88	291.4	7.6	1543.43	3.1	3.1	1450
250/185	GE2B - 355M2 - 6	355M	990	94.9	0.88	345.0	7.6	1736.36	3.0	3.0	1530
270/200	GE2B - 355M3 - 6	355M	990	95.0	0.88	363.5	7.8	1929.29	3.0	3.0	1630
300/220	GE2B - 355L1 - 6	355L	990	95.0	0.88	410.0	7.7	2170.46	3.0	3.0	1725
340/250	GE2B - 355L2 - 6	355L	990	95.0	0.88	454.4	7.7	2411.62	3.0	3.0	1890
375/280	GE2B - 355L3 - 6	355L	990	95.0	0.88	521.0	7.7	2652.78	3.0	3.0	1985
430/315	GE2B - 355L4 - 6	355L	990	95.0	0.88	586.0	7.7	2893.94	3.0	3.0	2100

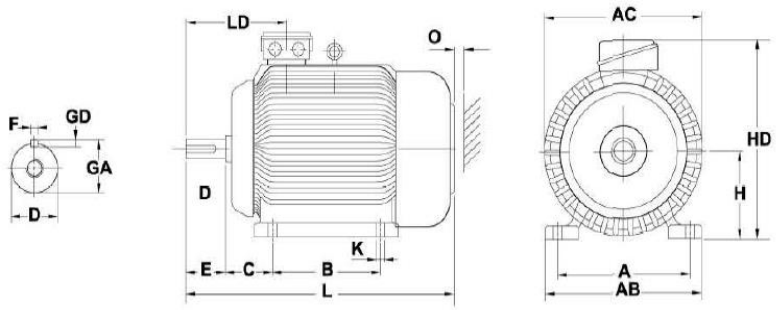
DIMENSION *IM B3, IM B6, IM B7, IM V5, IM V6*

Foot-Mounted motor designation

Cast iron motors with

Top-mounted terminal box

Type: GE2 80…..160L



GE2 Series DIMENSIONS

FRAME SIZE	A	AB	AC	B	C	D	E	F	GA	GD	H	HD	K	L	LD	O
80	125	165	175	100	50	19	40	6	22	6	80	214	10	295	116	20
90S	140	180	195	100	56	24	50	8	27	7	90	250	10	315	128	25
90L	140	180	195	125	56	24	50	8	27	7	90	250	10	340	128	25
100L	160	205	215	140	63	28	60	8	31	7	100	270	12	385	138	25
112M	190	230	240	140	70	28	60	8	31	7	112	300	12	400	152	25
132S	216	270	275	140	89	38	80	10	41	8	132	345	12	470	177	25
132M	216	270	275	178	89	38	80	10	41	8	132	345	12	510	177	25
160M	254	320	330	210	108	42	110	12	45	8	160	420	15	615	260	40

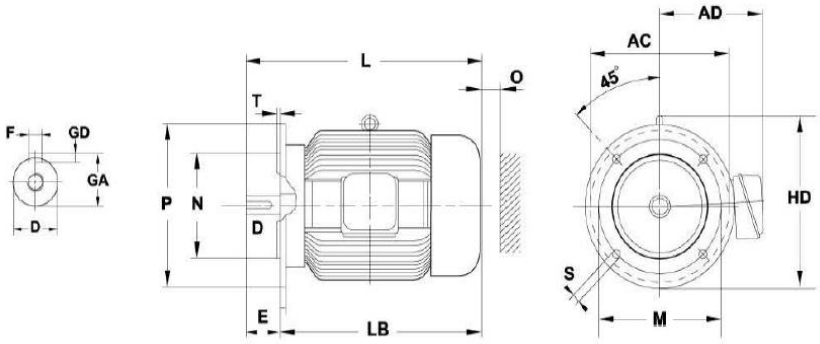
DIMENSION *IM B5, IM V1, IM V3*

Flange-Mounted motor designation

Cast iron motors with

Top-mounted terminal box

Type: GE2 80…..160L



GE2 Series DIMENSIONS

FRAME SIZE	A	AD	D	E	F	GA	GD	HD	L	LB	M	N	O	P	S	T
80	175	145	19	40	6	22	6	185	295	255	165	130	20	200	12	3.5
90S	195	155	24	50	8	27	7	195	315	265	165	130	25	200	12	3.5
90L	195	155	24	50	8	27	7	195	340	290	165	130	25	200	12	3.5
100L	215	180	28	60	8	31	7	245	385	325	215	180	25	250	15	4
112M	240	190	28	60	8	31	7	265	400	340	215	180	25	250	15	4
132S	275	210	38	80	10	41	8	315	470	390	265	230	25	300	15	4
132M	275	210	38	80	10	41	8	315	510	430	265	230	25	300	15	4
160M	330	255	42	110	12	45	8	385	615	505	300	250	40	350	19	5

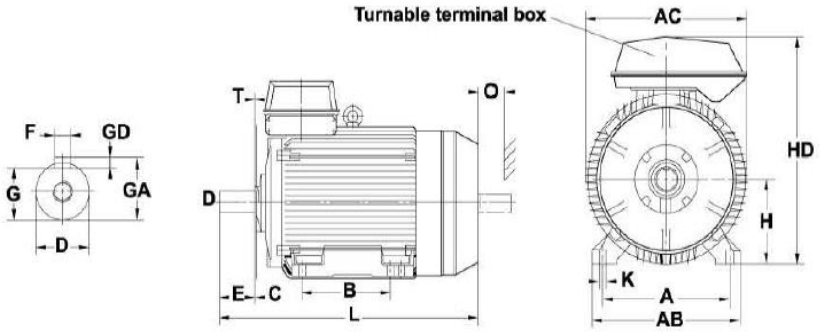
DIMENSION *IM B3, B6, B7, B8, V5, V6*

Foot-Mounted motor designation

Cast iron motors with

Top-mounted terminal box

Type: GE2B 160M…..355L



GE2B Series DIMENSIONS

FRAME SIZE	POLES	A	AB	AC	B	C	D	E	F	G	GA	GD	H	HD	K	L	O
160M	2,4,6,8	254	320	330	210	108	42	110	12	37	45	8	160	420	15	615	40
160L	2,4,6,8	254	320	330	254	108	42	110	12	37	45	8	160	420	15	670	40
180M	2,4,6,8	279	355	380	241	121	48	110	14	43	51.50	9	180	455	15	700	40
180L	2,4,6,8	279	355	380	279	121	48	110	14	43	51.50	9	180	455	15	740	40
200L	2,4,6,8	318	395	420	305	133	55	110	16	49	59	10	200	545	19	770	70
225S	4,6,8	356	435	470	286	149	60	140	18	53	64	11	225	555	19	815	80
225M	2	356	435	470	311	149	55	110	16	49	59	10	225	555	19	820	80
	4,6,8	356	435	470	311	149	60	140	18	53	64	11	225	555	19	845	80
250M	2	406	490	510	349	168	60	140	18	53	64	11	250	615	24	910	90
	4,6,8	406	490	510	349	168	65	140	18	56	67	11	250	615	24	910	90
280S	2	457	550	580	368.0	190	65	140	18	56.0	67	11	280	680	24	985	100
	4,6,8	457	550	580	368.0	190	75	140	20	67.5	79.5	12	280	680	24	985	100
280M	2	457	550	580	419	190	65	140	18	58	69	11	280	680	24	1035	100
	4,6,8	457	550	580	419	190	75	140	20	67.5	79.5	12	280	680	24	1035	100
315S	2	508	635	645	406	216	65	140	18	58	69	11	315	845	28	1160	115
	4,6,8	508	635	645	406	216	80	170	22	71	85	14	315	845	28	1270	115
315M	2	508	635	645	457	216	65	140	18	58	69	11	315	845	28	1190	115
	4,6,8	508	635	645	457	216	80	170	22	71	85	14	315	845	28	1300	115
315L	2	508	635	645	508	216	65	140	18	58	69	11	315	845	28	1190	115
	4,6,8	508	635	645	508	216	80	170	22	71	85	14	315	845	28	1300	115
355M	2	610	730	710	560	254	75	140	20	67.5	79.5	12	355	1010	28	1500	130
	4,6,8	610	730	710	560	254	95	170	25	86	102	16	355	1010	28	1530	130
355L	2	610	730	710	610	254	75	140	20	67.5	79.5	12	355	1010	28	1500	130
	4,6,8	610	730	710	610	254	95	170	25	86	102	16	355	1010	28	1530	130

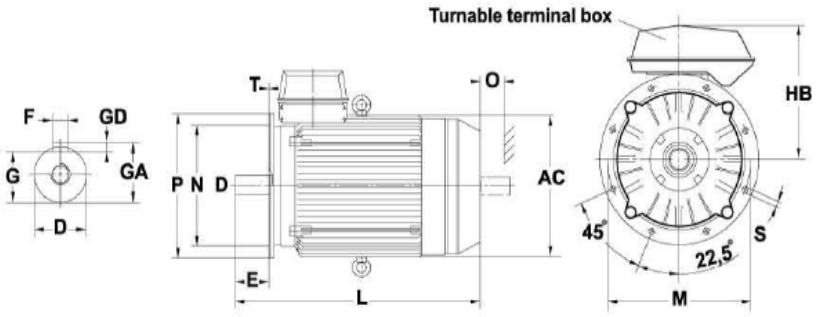
DIMENSION *IM B5, V1, V3*

Flange-Mounted motor designation

Cast iron motors with

Top-mounted terminal box

Type: GE2B 160M…..355L



GE2B Series DIMENSIONS

FRAME SIZE	POLES	AC	D	E	F	G	GA	GD	HB	L	M	N	P	S	T	O
160M	2,4,6,8	330	42	110	12	37	45	8	255	615	300	250	350	19	5	40
160L	2,4,6,8	330	42	110	12	37	45	8	255	670	300	250	350	19	5	40
180M	2,4,6,8	380	48	110	14	42.5	51.50	9	280	700	300	250	350	19	5	40
180L	2,4,6,8	380	48	110	14	42.5	51.50	9	280	740	300	250	350	19	5	40
200L	2,4,6,8	420	55	110	16	49	59	10	305	770	350	300	400	19	5	70
225S	4,6,8	470	60	140	18	53	64	11	335	815	400	350	450	19	5	80
225M	2	470	55	110	16	49	59	10	335	820	400	350	450	19	5	80
	4,6,8	470	60	140	18	53	64	11	335	845	400	350	450	19	5	80
250M	2	510	60	140	18	53	64	11	370	910	500	450	550	19	5	90
	4,6,8	510	65	140	18	58	67	11	370	910	500	450	550	19	5	90
280S	2	580	65	140	18	58	67	11	410	985	500	450	550	19	5	100
	4,6,8	580	75	140	20	67.5	79.5	12	410	985	500	450	550	19	5	100
280M	2	580	65	140	18	58	69	11	410	1035	500	450	550	19	5	100
	4,6,8	580	75	140	20	67.5	79.5	12	410	1035	500	450	550	19	5	100
315S	2	645	65	140	18	58	69	11	530	1160	600	550	660	24	6	115
	4,6,8	645	80	170	22	71	85	14	530	1270	600	550	660	24	6	115
315M	2	645	65	140	18	58	69	11	530	1190	600	550	660	24	6	115
	4,6,8	645	80	170	22	71	85	14	530	1300	600	550	660	24	6	115
315L	2	645	65	140	18	58	69	11	530	1190	600	550	660	24	6	115
	4,6,8	645	80	170	22	71	85	14	530	1300	600	550	660	24	6	115
355M	2	710	75	140	20	67.5	79.5	12	655	1500	740	680	800	24	6	130
	4,6,8	710	95	170	25	86	102	16	655	1530	740	680	800	24	6	130
355L	2	710	75	140	20	67.5	79.5	12	655	1500	740	680	800	24	6	130
	4,6,8	710	95	170	25	86	102	16	655	1530	740	680	800	24	6	130

Induction Motor Cast - Iron Frame **IE3**

GE3 Series

3 Phase, 50 Hz. 380 V.

Totally enclosed Squirrel cage

Three phase motor, Cast - Iron Frame Insulation class F

IP55, IC411 Temperature rise class B

Technical Data GE3 , GE3B Series *2 POLE*

OUT PUT (HP-KW)	TYPE DESIGNATION	FRAME SIZE	SPEED (r/min)	Efficiency (%)	POWER FACTOR	CURRENT		TORQUE			Weight (Kg.)
						I_N (A)	$\frac{I_S}{I_N}$	T_N (N.m)	$\frac{T_S}{T_N}$	$\frac{T_{MAX}}{T^N}$	
1/0.75	GE3 - 801 - 2	80	2880	80.7	0.82	1.7	7.0	2.54	2.2	2.3	18
1.5/1.1	GE3 - 802 - 2	80	2880	82.7	0.83	2.4	7.9	3.73	2.2	2.3	20
2/1.5	GE3 - 90S - 2	90S	2895	84.2	0.84	3.2	7.9	5.12	2.2	2.3	24
3/2.2	GE3 - 90L - 2	90L	2895	85.9	0.85	4.6	7.9	7.48	2.2	2.3	29
4/3	GE3 - 100L - 2	100L	2895	87.1	0.87	6.0	8.1	10.22	2.2	2.3	37
5.5/4	GE3 - 112M - 2	112M	2905	88.1	0.88	7.8	8.1	13.54	2.2	2.3	46
7.5/5.5	GE3 - 132S1 - 2	132S	2930	89.2	0.88	10.6	8.1	18.26	2.2	2.3	70
10/7.5	GE3 - 132S2 - 2	132S	2930	90.1	0.88	14.4	8.1	24.99	2.2	2.3	74
15/11	GE3B - 160M1 - 2	160M	2945	91.2	0.89	20.6	8.1	36.47	2.2	2.3	124
20/15	GE3B - 160M2 - 2	160M	2945	91.9	0.89	27.9	8.1	49.73	2.2	2.3	134
25/18.5	GE3B - 160L - 2	160L	2955	92.4	0.89	34.2	8.1	61.44	2.2	2.3	162
30/22	GE3B - 180M - 2	180M	2955	92.7	0.89	40.5	8.1	72.81	2.0	2.3	198
40/30	GE3B - 200L1 - 2	200L	2960	93.3	0.89	54.9	8.1	98.95	2.0	2.3	258
50/37	GE3B - 200L2 - 2	200L	2960	93.7	0.89	67.4	8.1	121.80	2.0	2.3	278
60/45	GE3B - 225M - 2	225M	2965	94.0	0.90	80.8	8.1	147.90	2.0	2.3	342
75/55	GE3B - 250M - 2	250M	2970	94.3	0.90	98.5	8.1	180.20	2.0	2.3	450
100/75	GE3B - 280S - 2	280S	2975	94.7	0.90	133.7	8.1	246.10	2.0	2.3	600
120/90	GE3B - 280M - 2	280M	2975	95.0	0.90	159.9	8.1	295.30	2.0	2.3	660
150/110	GE3B - 315S - 2	315S	2978	95.2	0.90	195.1	7.7	360.70	1.8	2.2	1032
175/132	GE3B - 315M - 2	315M	2978	95.4	0.90	233.6	7.7	432.80	1.8	2.2	1152
220/160	GE3B - 315L1 - 2	315L	2980	95.6	0.91	279.4	7.7	524.10	1.8	2.2	1170
250/185	GE2B - 315L2 - 2	315L	2980	95.7	0.91	323.0	7.7	589.60	1.8	2.2	1220
270/200	GE3B - 315L3 - 2	315L	2980	95.8	0.91	348.6	7.7	655.10	1.8	2.2	1260
300/220	GE3B - 355M1 - 2	355M	2980	95.8	0.91	384.0	7.7	737.00	1.8	2.2	1480
340/250	GE3B - 355M2 - 2	355M	2980	95.8	0.91	434.8	7.7	818.90	1.6	2.2	1575
375/280	GE2B - 355L1 - 2	355L	2980	95.8	0.91	488.0	7.7	924.95	1.6	2.2	1655
430/315	GE3B - 355L2 - 2	355L	2980	95.8	0.91	546.7	7.7	1031.00	1.6	2.2	1715
476/355	GE3B - 355L3 - 2	355L	2980	95.8	0.91	619.0	7.7	1137.05	1.6	2.2	2500

Induction Motor Cast - Iron Frame **IE3**

GE3 Series

3 Phase, 50 Hz. 380 V.

Totally enclosed Squirrel cage

Three phase motor, Cast - Iron Frame Insulation class F

IP55, IC411 Temperature rise class B

Technical Data GE3 , GE3B Series *4 POLE*

OUT PUT (HP-KW)	TYPE DESIGNATION	FRAME SIZE	SPEED (r/min)	Efficiency (%)	POWER FACTOR	CURRENT		TORQUE			Weight (Kg.)
						I_N (A)	$\frac{I_S}{I_N}$	T_N (N.m)	$\frac{T_S}{T_N}$	$\frac{T_{MAX}}{T^N}$	
1/0.75	GE3 - 802 - 4	80	1420	82.5	0.75	1.8	6.5	5.18	2.3	2.3	18
1.5/1.1	GE3 - 90S - 4	90S	1445	84.1	0.76	2.6	6.5	7.48	2.3	2.3	23
2/1.5	GE3 - 90L - 4	90L	1445	85.3	0.77	3.5	6.5	10.17	2.3	2.3	28
3/2.2	GE3 - 100L1 - 4	100L	1435	86.7	0.81	4.8	7.5	14.76	2.3	2.3	36
4/3	GE3 - 100L2 - 4	100L	1435	87.7	0.82	6.3	7.5	20.06	2.3	2.3	40
5.5/4	GE3 - 112M - 4	112M	1440	88.6	0.82	8.4	7.5	26.93	2.3	2.3	52
7.5/5.5	GE3 - 132S - 4	132S	1460	89.6	0.83	11.2	7.5	36.78	2.3	2.3	72
10/7.5	GE3 - 132M - 4	132M	1460	90.4	0.84	15.0	7.5	49.98	2.3	2.3	83
15/11	GE3B - 160M - 4	160M	1465	91.4	0.85	21.5	8.9	73.31	2.2	2.3	128
20/15	GE3B - 160L - 4	160L	1465	92.1	0.86	28.8	8.9	99.97	2.2	2.3	156
25/18.5	GE3B - 180M - 4	180M	1470	92.6	0.86	35.3	7.9	122.00	2.2	2.3	194
30/22	GE3B - 180L - 4	180L	1470	93.0	0.86	41.8	7.9	145.10	2.2	2.3	210
40/30	GE3B - 200L - 4	200L	1475	93.6	0.86	56.6	7.9	198.60	2.2	2.3	272
50/37	GE3B - 225S - 4	225S	1485	93.9	0.86	69.6	7.9	243.30	2.2	2.3	338
60/45	GE3B - 225M - 4	225M	1485	94.2	0.86	84.4	7.9	295.80	2.2	2.3	378
75/55	GE3B - 250M - 4	250M	1485	94.6	0.86	102.7	7.9	360.40	2.2	2.3	468
100/75	GE3B - 280S - 4	280S	1486	95.0	0.88	136.3	7.9	493.80	2.2	2.3	630
120/90	GE3B - 280M - 4	280M	1486	95.2	0.88	163.2	7.9	592.60	2.2	2.3	708
150/110	GE3B - 315S - 4	315S	1488	95.4	0.89	196.8	7.6	722.30	2.1	2.2	1080
175/132	GE3B - 315M - 4	315M	1488	95.6	0.89	235.7	7.6	866.80	2.1	2.2	1100
220/160	GE3B- 315L1 - 4	315L	1488	95.8	0.89	285.1	7.6	1050.00	2.1	2.2	1150
250/185	GE3B- 315L2 - 4	315L	1490	96.0	0.90	326.0	7.6	1181.00	2.1	2.2	1200
270/200	GE3B - 315L3 - 4	315L	1490	96.0	0.90	351.7	7.6	1312.00	2.1	2.2	1368
300/220	GE3B - 355M1 - 4	355M	1490	96.0	0.90	387.0	7.6	1475.00	2.1	2.2	1530
340/250	GE3B - 355M2 - 4	355M	1490	96.0	0.90	439.6	7.6	1638.00	2.1	2.2	1610
375/280	GE3B - 355L1 - 4	355L	1490	96.0	0.90	493.0	7.6	1850.00	2.1	2.2	1680
430/315	GE3B - 355L2 - 4	355L	1490	96.0	0.90	553.9	7.6	2063.00	2.1	2.2	1775
476/355	GE3B - 355L3 - 4	355L	1490	96.0	0.90	639.0	7.6	2276.00	2.1	2.2	2700

Induction Motor Cast - Iron Frame **IE3**

GE3 Series

3 Phase, 50 Hz. 380 V.

Totally enclosed Squirrel cage

Three phase motor, Cast - Iron Frame Insulation class F

IP55, IC411 Temperature rise class B

Technical Data GE3 , GE3B Series *6 POLE*

OUT PUT (HP-KW)	TYPE DESIGNATION	FRAME SIZE	SPEED (r/min)	Efficiency (%)	POWER FACTOR	CURRENT		TORQUE			Weight (Kg.)
						I_N (A)	$\frac{I_S}{I_N}$	T_N (N.m)	$\frac{T_S}{T_N}$	$\frac{T_{MAX}}{T^N}$	
1/0.75	GE3 - 90S - 6	90S	935	78.9	0.71	2.0	5.9	7.80	2.0	2.1	24
1.5/1.1	GE3 - 90L - 6	90L	945	81.0	0.73	2.8	5.9	11.51	2.0	2.1	29
2/1.5	GE3 - 100L - 6	100L	949	82.5	0.73	3.8	5.9	15.36	2.0	2.1	35
3/2.2	GE3 - 112M - 6	112M	955	84.3	0.74	5.4	6.9	22.30	2.0	2.1	44
4/3	GE3 - 132S - 6	132S	968	85.6	0.74	7.2	6.9	30.09	2.1	2.1	64
5.5/4	GE3 - 132M1 - 6	132M	968	86.8	0.74	9.5	6.9	40.12	2.1	2.1	77
7.5/5.5	GE3 - 132M2 - 6	132M	968	88.0	0.75	12.7	6.9	55.17	2.1	2.1	86
10/7.5	GE3 - 160M - 6	160M	970	89.1	0.79	16.2	6.9	75.23	2.0	2.1	116
15/11	GE3B - 160L - 6	160L	970	90.3	0.8	23.1	6.9	110.00	2.0	2.1	151
20/15	GE3B - 180L - 6	180L	978	91.2	0.81	30.9	7.5	150.50	2.0	2.1	199
25/18.5	GE3B - 200L1 - 6	200L	980	91.7	0.81	37.8	7.5	184.60	2.1	2.1	246
30/22	GE3B - 200L2 - 6	200L	980	92.2	0.81	44.8	7.5	219.50	2.1	2.1	264
40/30	GE3B - 225M - 6	225M	980	92.9	0.83	59.1	7.5	297.90	2.0	2.1	348
50/37	GE3B - 250M - 6	250M	985	93.3	0.84	71.7	7.5	367.40	2.1	2.1	444
60/45	GE3B - 280S - 6	280S	985	93.7	0.85	85.8	7.5	445.20	2.1	2.0	588
75/55	GE3B - 280M - 6	280M	985	94.1	0.86	103.3	7.5	544.10	2.1	2.0	648
100/75	GE3B - 315S - 6	315S	988	94.6	0.84	143.4	7.5	740.50	2.0	2.0	1020
120/90	GE3B - 315M - 6	315M	988	94.9	0.85	169.5	7.5	888.60	2.0	2.0	1152
150/110	GE3B - 315L1 - 6	315L	988	95.1	0.86	204.4	7.3	1085.00	2.0	2.0	1272
175/132	GE3B - 315L2 - 6	315L	988	95.4	0.86	244.5	7.3	1302.00	2.0	2.0	1344
220/160	GE3B - 355M1 - 6	355M	990	95.6	0.87	292.3	7.3	1578.00	1.9	2.0	1450
250/185	GE2B - 355M2 - 6	355M	990	95.8	0.87	338.0	7.3	1775.50	1.9	2.0	1530
270/200	GE2B - 355M3 - 6	355M	990	95.8	0.87	364.6	7.3	1973.00	1.9	2.0	1630
300/220	GE2B - 355L1 - 6	355L	990	95.8	0.87	402.0	7.3	2219.50	1.9	2.0	1725
340/250	GE2B - 355L2 - 6	355L	990	95.8	0.87	461.0	7.3	2466.00	1.9	2.0	1890
375/280	GE2B - 355L3 - 6	355L	990	95.8	0.87	511.0	7.3	2712.50	1.9	2.0	1985
430/315	GE2B - 355L4 - 6	355L	990	95.8	0.87	581.0	7.3	2959.00	1.9	2.0	3050

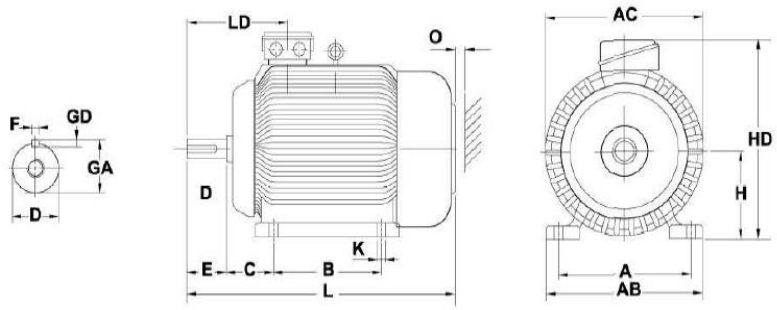
DIMENSION — *IM B3, IM B6, IM B7, IM V5, IM V6*

Foot-Mounted motor designation

Cast iron motors with

Top-mounted terminal box

Type: GE3 80…..160L



GE3 Series DIMENSIONS

FRAME SIZE	A	AB	AC	B	C	D	E	F	GA	GD	H	HD	K	L	LD	O
80	125	165	175	100	50	19	40	6	22	6	80	214	10	295	116	20
90S	140	180	195	100	56	24	50	8	27	7	90	250	10	315	128	25
90L	140	180	195	125	56	24	50	8	27	7	90	250	10	340	128	25
100L	160	205	215	140	63	28	60	8	31	7	100	270	12	385	138	25
112M	190	230	240	140	70	28	60	8	31	7	112	300	12	400	152	25
132S	216	270	275	140	89	38	80	10	41	8	132	345	12	470	177	25
132M	216	270	275	178	89	38	80	10	41	8	132	345	12	510	177	25
160M	254	320	330	210	108	42	110	12	45	8	160	420	15	615	260	40

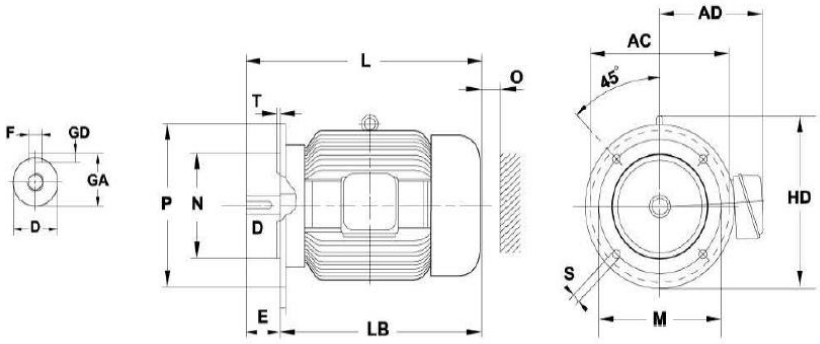
DIMENSION — *IM B5, IM V1, IM V3*

Flange-Mounted motor designation

Cast iron motors with

Top-mounted terminal box

Type: GE3 80…..160L



GE3 Series DIMENSIONS

FRAME SIZE	A	AD	D	E	F	GA	GD	HD	L	LB	M	N	O	P	S	T
80	175	145	19	40	6	22	6	185	295	255	165	130	20	200	12	3.5
90S	195	155	24	50	8	27	7	195	315	265	165	130	25	200	12	3.5
90L	195	155	24	50	8	27	7	195	340	290	165	130	25	200	12	3.5
100L	215	180	28	60	8	31	7	245	385	325	215	180	25	250	15	4
112M	240	190	28	60	8	31	7	265	400	340	215	180	25	250	15	4
132S	275	210	38	80	10	41	8	315	470	390	265	230	25	300	15	4
132M	275	210	38	80	10	41	8	315	510	430	265	230	25	300	15	4
160M	330	255	42	110	12	45	8	385	615	505	300	250	40	350	19	5

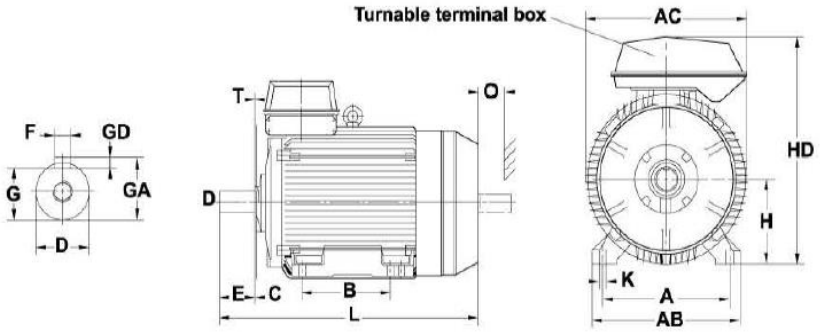
DIMENSION *IM B3, B6, B7, B8, V5, V6*

Foot-Mounted motor designation

Cast iron motors with

Top-mounted terminal box

Type: GE3B 160M…..355L



GE3B Series DIMENSIONS

FRAME SIZE	POLES	A	AB	AC	B	C	D	E	F	G	GA	GD	H	HD	K	L	O
160M	2,4,6,8	254	320	330	210	108	42	110	12	37	45	8	160	420	15	615	40
160L	2,4,6,8	254	320	330	254	108	42	110	12	37	45	8	160	420	15	670	40
180M	2,4,6,8	279	355	380	241	121	48	110	14	43	51.50	9	180	455	15	700	40
180L	2,4,6,8	279	355	380	279	121	48	110	14	43	51.50	9	180	455	15	740	40
200L	2,4,6,8	318	395	420	305	133	55	110	16	49	59	10	200	545	19	770	70
225S	4,6,8	356	435	470	286	149	60	140	18	53	64	11	225	555	19	815	80
225M	2	356	435	470	311	149	55	110	16	49	59	10	225	555	19	820	80
	4,6,8	356	435	470	311	149	60	140	18	53	64	11	225	555	19	845	80
250M	2	406	490	510	349	168	60	140	18	53	64	11	250	615	24	910	90
	4,6,8	406	490	510	349	168	65	140	18	56	67	11	250	615	24	910	90
280S	2	457	550	580	368.0	190	65	140	18	56.0	67	11	280	680	24	985	100
	4,6,8	457	550	580	368.0	190	75	140	20	67.5	79.5	12	280	680	24	985	100
280M	2	457	550	580	419	190	65	140	18	58	69	11	280	680	24	1035	100
	4,6,8	457	550	580	419	190	75	140	20	67.5	79.5	12	280	680	24	1035	100
315S	2	508	635	645	406	216	65	140	18	58	69	11	315	845	28	1160	115
	4,6,8	508	635	645	406	216	80	170	22	71	85	14	315	845	28	1270	115
315M	2	508	635	645	457	216	65	140	18	58	69	11	315	845	28	1190	115
	4,6,8	508	635	645	457	216	80	170	22	71	85	14	315	845	28	1300	115
315L	2	508	635	645	508	216	65	140	18	58	69	11	315	845	28	1190	115
	4,6,8	508	635	645	508	216	80	170	22	71	85	14	315	845	28	1300	115
355M	2	610	730	710	560	254	75	140	20	67.5	79.5	12	355	1010	28	1500	130
	4,6,8	610	730	710	560	254	95	170	25	86	102	16	355	1010	28	1530	130
355L	2	610	730	710	610	254	75	140	20	67.5	79.5	12	355	1010	28	1500	130
	4,6,8	610	730	710	610	254	95	170	25	86	102	16	355	1010	28	1530	130

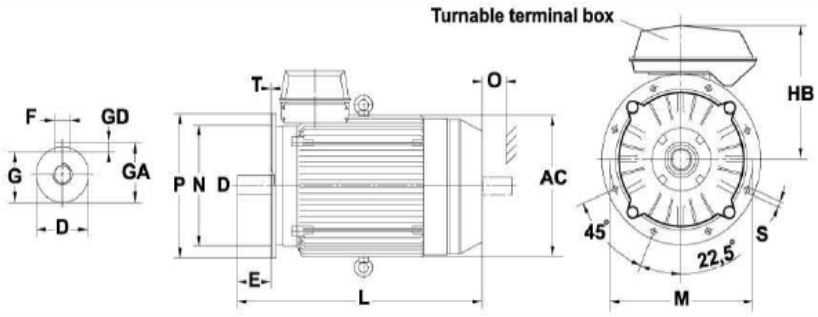
DIMENSION *IM B5, V1, V3*

Flange-Mounted motor designation

Cast iron motors with

Top-mounted terminal box

Type: GE3B 160M…..355L



GE3B Series DIMENSIONS

FRAME SIZE	POLES	AC	D	E	F	G	GA	GD	HB	L	M	N	P	S	T	O
160M	2,4,6,8	330	42	110	12	37	45	8	255	615	300	250	350	19	5	40
160L	2,4,6,8	330	42	110	12	37	45	8	255	670	300	250	350	19	5	40
180M	2,4,6,8	380	48	110	14	42.5	51.50	9	280	700	300	250	350	19	5	40
180L	2,4,6,8	380	48	110	14	42.5	51.50	9	280	740	300	250	350	19	5	40
200L	2,4,6,8	420	55	110	16	49	59	10	305	770	350	300	400	19	5	70
225S	4,6,8	470	60	140	18	53	64	11	335	815	400	350	450	19	5	80
225M	2	470	55	110	16	49	59	10	335	820	400	350	450	19	5	80
	4,6,8	470	60	140	18	53	64	11	335	845	400	350	450	19	5	80
250M	2	510	60	140	18	53	64	11	370	910	500	450	550	19	5	90
	4,6,8	510	65	140	18	58	67	11	370	910	500	450	550	19	5	90
280S	2	580	65	140	18	58	67	11	410	985	500	450	550	19	5	100
	4,6,8	580	75	140	20	67.5	79.5	12	410	985	500	450	550	19	5	100
280M	2	580	65	140	18	58	69	11	410	1035	500	450	550	19	5	100
	4,6,8	580	75	140	20	67.5	79.5	12	410	1035	500	450	550	19	5	100
315S	2	645	65	140	18	58	69	11	530	1160	600	550	660	24	6	115
	4,6,8	645	80	170	22	71	85	14	530	1270	600	550	660	24	6	115
315M	2	645	65	140	18	58	69	11	530	1190	600	550	660	24	6	115
	4,6,8	645	80	170	22	71	85	14	530	1300	600	550	660	24	6	115
315L	2	645	65	140	18	58	69	11	530	1190	600	550	660	24	6	115
	4,6,8	645	80	170	22	71	85	14	530	1300	600	550	660	24	6	115
355M	2	710	75	140	20	67.5	79.5	12	655	1500	740	680	800	24	6	130
	4,6,8	710	95	170	25	86	102	16	655	1530	740	680	800	24	6	130
355L	2	710	75	140	20	67.5	79.5	12	655	1500	740	680	800	24	6	130
	4,6,8	710	95	170	25	86	102	16	655	1530	740	680	800	24	6	130

Mechanical and electrical design

Operating conditions

Ambient temperature	:	- 15 °C < 0 < 40 °C
Altitude	:	Altitude should be lower than 1000 meters above sea level.
Rated Voltage	:	380 V.
Rated Frequency	:	50 Hz.
Connection	:	Star-connection for 4 kw or less whereas Delta-connection for 5.5 kw or more.
Duty / Rating	:	Continous (S1).
Insulation class	:	F, the temperature rise of the stator winding is examined at 80 °C (by resistance method).
Protection class	:	IP55
Cooling methed	:	IC411
Protection	:	PT100 or thermister.

TERMINAL BOX DATA		
FRAME SIZE	**MAX FULL LOAD** AMP.	**ENTRY HOLD** SIZE
63-80	2.6	M24 x 1.5
90-100	6.8	M24 x 1.5
112-132	15.4	M30 x 2
160-180	42.5	M36 x 2
220-225	84.2	M48 x 2
250-280	166.6	M64 x 2
315	358	M64 x 2
355	546	M72 x 3

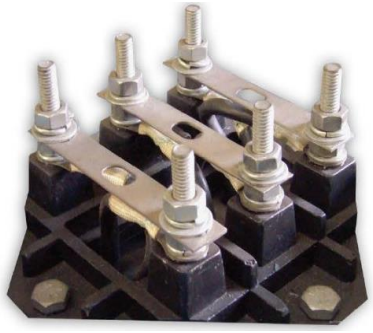
Terminal box

The terminal box is located on the top of the motor; the degree of protection by enclosure is IP55. Higher protection is available on request.

The terminal box is turnable, thus allowing cable entry from either side of the motor which makes the connection more flexible.

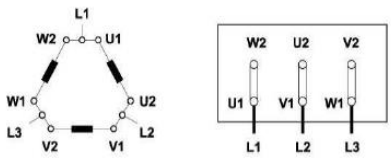
Terminal box is epuipped with cable glands or cable boxes. Cable can be connected by cable lugs to the terminals. Termination parts are suitable for Cu-and Ai-cables. Cable lugs not included in the delivery.

To enable us supply suitable terminations for the motor please state cable type, quantity and size when ordering.

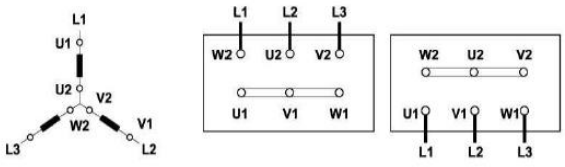


Connections of single-speed motors

△-connection



Y-connection



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