

ΤΡΙΦΑΣΙΚΟΙ ΗΛΕΚΤΡΟΚΙΝΗΤΗΡΕΣ DEMAC

ΠΕΡΙΓΡΑΦΗ

Τριφασικοί ισχύς : 0,18...315 KW
στα 380VOLT/ 50 Hz κ' 440VOLT/60 Hz,
2, 4, 6, 8 πόλων και μεταβαλλόμενων.

Υπάρχουν τρεις βασικές δομές στήριξης :

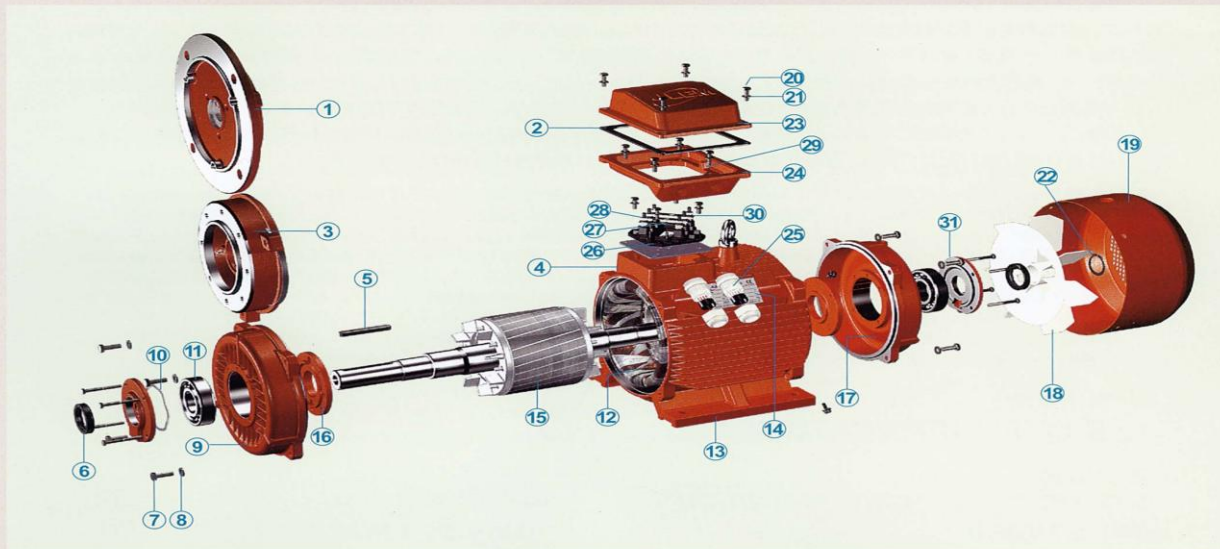
- α. Με βάσεις IM B3.
- β. Με φλάντζα IM B5 κ' IM B14.
- γ. Με βάσεις και φλάντζα IM B35 .



- Το κέλυφος του κινητήρα και τα πλευρικά καλύμματα είναι από χυτοσίδηρο και αλουμίνιο στα μικρά μεγέθη.
- Ο ανεμιστήρας ψύξεως από σκληρό πλαστικό, στα μεγάλα μεγέθη μεταλλικός. Κάλυμμα ανεμιστήρα μεταλλικό.
- Τα ρουλεμάν SKF είναι κλειστού τύπου με λίπανση διαρκείας και για μεγέθη από IEC 160 και πάνω υπάρχουν εξωτερικοί λιπαντήρες.
- Το κιβώτιο ακροδεκτών βρίσκεται στο πάνω μέρος με διπλή είσοδο παροχής ρεύματος .
- Επίπεδο θορύβου χαμηλό.
- Υψηλός βαθμός απόδοσης.
- Βαθμός προστασίας IP55.
- Οι κινητήρες μπορούν να λειτουργούν συνεχώς και χρησιμοποιούνται ευρέως σε όλα τα μηχανήματα, ιδιαίτερα τα μεγάλα μεγέθη είναι κατάλληλα όπου απαιτείται μεγάλη ροπή εκκίνησης.

ΠΕΡΙΕΧΟΜΕΝΑ

Στοιχεία-εξαρτήματα κινητήρα	σελ. 1
Συνθήκες λειτουργίας- μεγέθη κιβωτίου άκρων	σελ.2
Τρόποι στήριξης	σελ.3
Μεγέθη ρουλεμάν	σελ.4
Τεχνικά χαρακτηριστικά 3000rpm	σελ.5
Τεχνικά χαρακτηριστικά 1500rpm	σελ.6
Τεχνικά χαρακτηριστικά 1000rpm	σελ.7
Τεχνικά χαρακτηριστικά 750rpm	σελ.8
Διαστάσεις κινητήρων IM β3	σελ.9
Διαστάσεις κινητήρων IM β35	σελ.10
Διαστάσεις κινητήρων IM β5	σελ. 11
Διαστάσεις κινητήρων IM β14.....	σελ. 12



- 1. B5 Flange
- 2. Gasket
- 3. B14 Flange
- 4. Frame
- 5. Key
- 6. (V Ring) Oil Seal
- 7. Bolt
- 8. Spring Washer
- 9. Front endshield
- 10. Wave washer
- 11. Bearing

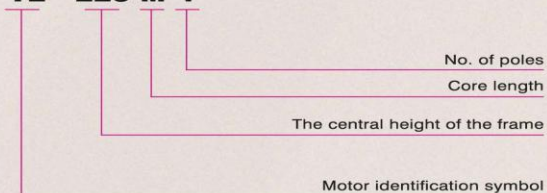
- 12. Stator
- 13. Feet
- 14. Nameplate
- 15. Rotor
- 16. Inner bearing cap
- 17. Rear endshield
- 18. Fan
- 19. Fan cowl
- 20. Screw
- 21. Washer
- 22. Fan clamp

- 23. Terminal box lid
- 24. Terminal box base
- 25. Cable gland
- 26. Terminal board
- 27. Brass lug
- 28. Brass net
- 29. Earth mark
- 30. Brass washer
- 31. Outer bearing cap

DESIGNATION

MOTOR IDENTIFICATION SYMBOL

Y2 - 225 M-4

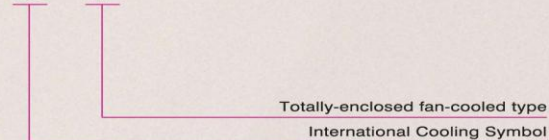


PROTECTION CLASS

IP 5 5



IC 411



DEMAC

MOTORS

OPERATING CONDITIONS

Ambient temperature: $-15^{\circ}\text{C} \leq 0 \leq 40^{\circ}\text{C}$
 Altitude: Altitude should be lower than 1000 meters above sea level.
 Rated voltage: 380V - 440V
 Rated frequency: 50HZ - 60HZ
 Connection: Star-connection for 3kw or less whereas delta-connection for 4kW or more.
 Duty/Rating: Continuous(SI).
 Insulation class: F, the temperature rise of the stator winding is examined at 80K (by resistance method).
 Protection class: IP 55.
 Cooling method: IC411

This series motors amount to the seventeenth frame sizes. Among of them, the frames and end-shields of the frame size from 63 to 132 are made of cast iron or aluminium-alloy, and the frames of 160 or over are made of cast iron with sufficient mechanical strength. All cooling ribs of motors assume vertical or horizontal distribution. Terminal boxes are mounted on top of the motor as standard. The terminal box can also be mounted on the left or right. The terminal box of motor sizes 63 to 132 can be turned $4 \times 90^{\circ}$ and in motors sizes 160 to 355 rotated $2 \times 180^{\circ}$ to allow cable entry from either side of the motor. Degree of protection of standard terminal box is IP 55.

Terminal box examples



Motor sizes 71 to 132



Motor sizes 160 to 250



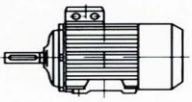
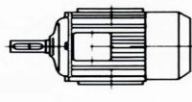
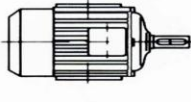
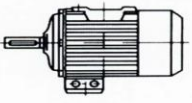
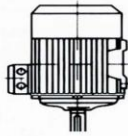
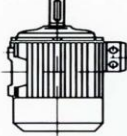
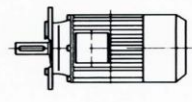
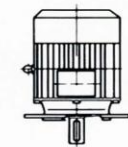

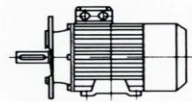
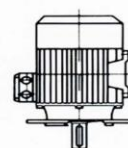
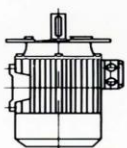
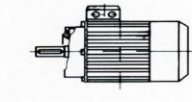
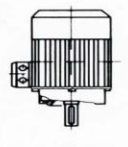
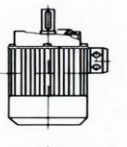
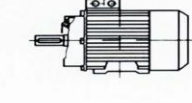
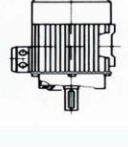
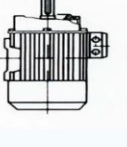
Motor sizes 280 to 355, provided either with a cable gland or a cable box.

MAIN DATA FOR TERMINAL BOX

CLASSIFIED NO	ENTRY SIZE	MAX.FL.AMPS	FRAME SIZE
1	63-80	2.6	2 X M25 X 1.5
2	90-100	6.8	2 X M25 X 1.5
3	112-132	15.4	2 X M32 X 1.5
4	160-180	42.5	2 X M40 X 1.5
5	200-225	84.2	2 X M50 X 1.5
6	250-280	166.6	2 X M63 X 1.5
7	315	358	2 X M63 X 1.5
8	355	546	2 X M63 X 1.5

MOUNTING ARRANGEMENT

Fundamental arrangement	Diagram
Mounting arrangement	
Range of manufacture (frame size)	

<p>IM B3</p> <p>IM B3 IM B3 63-355</p>		<p>IM B3 IM B6 63-160</p>		<p>IM B3 IM B7 63-160</p>	
<p>IM B3 IM B8 63-160</p>		<p>IM B3 IM V5 63-160</p>		<p>IM B3 IM V6 63-160</p>	
<p>IM B5</p> <p>IM B5 IM B5 63-355</p>		<p>IM B5 IM V1 63-355</p>		<p>IM B5 IM V3 63-160</p>	
<p>IM B5 IM B35 63-355</p>		<p>IM B35 IM V15 63-160</p>		<p>IM B35 IM V36 63-160</p>	
<p>IM B14</p> <p>IM B14 IM B14 63-160</p>		<p>IM B14 IM V18 63-160</p>		<p>IM B14 IM V19 63-160</p>	
<p>IM B14 IM B34 63-160</p>		<p>IM B14 IM V58 63-160</p>		<p>IM B14 IM V69 63-160</p>	

DEMAC

MOTORS

BEARING SIZE

Frame Size	Poles	DriveEnd		Non-drive end	
		Horizontal	Vertical	Horizontal	Vertical
63	2, 4	6201 ZZ-C3		6201 ZZ-C3	
71	2 to 6	6202 ZZ-C3		6202 ZZ-C3	
80	2 to 8	6204 ZZ-C3		6204 ZZ-C3	
90	2 to 8	6205 ZZ-C3		6205 ZZ-C3	
100	2 to 8	6206 ZZ-C3		6206 ZZ-C3	
112	2 to 8	6306 ZZ-C3		6306 ZZ-C3	
132	2 to 8	6308 ZZ-C3		6308 ZZ-C3	
160	2 to 8	6309-C3		6309-C3	
180	2 to 8	6311-C3		6311-C3	
200	2 to 8	6312-C3		6312-C3	
225 S	4 to 8	6313-C3		6313-C3	
225 M	2	6312-C3		6312-C3	
225 M	4 to 8	6313-C3		6313-C3	
250	2 to 8	6314-C3		6314-C3	
280	2 to 8	6316-C3	6316-C3	6316-C3	6316 B
315	2	6316-C3	6316-C3	6316-C3	6316 B
	4 to 8	NU319E	6319-C3	6319-C3	7319B
355	2	6319-C3	6319-C3	6319-C3	7319B
	4 to 8	NU322E	6322-C3	6322-C3	7322B

TECHNICAL DATA

SPEED 3000RPM 2-POLES 50HZ

Type	Output		Speed r/min	In A			Efficiency η % 100%	Power factor $\cos\Phi$ 100%	Tn Nm	Ts Tn	Tmax Tn	Is In	Moment (J) kgm ²	Noise LwdB(A)	Weight Kg
	Kw	Hp		380V	400V	415V									
Y2 631-2	0.18	0.25	2720	0.52	0.5	0.48	65.0	0.80	0.61	2.2	2.2	5.5	0.0031	61	14
Y2 632-2	0.25	0.37	2720	0.69	0.65	0.63	68.0	0.81	0.96	2.2	2.2	5.5	0.0001	61	14.5
Y2 711-2	0.37	0.5	2740	0.99	0.94	0.91	70.0	0.81	1.27	2.2	2.2	6.1	0.0006	64	15
Y2 712-2	0.55	0.75	2740	1.39	1.33	1.29	73.0	0.82	1.88	2.2	2.3	6.1	0.0006	64	15.5
Y2 801-2	0.75	1	2840	1.7	1.62	1.56	80.6	0.83	2.54	2.2	2.3	6.1	0.0008	67	15.5
Y2 802-2	1.1	1.5	2840	2.4	2.28	2.19	82.9	0.84	3.72	3	3.2	8	0.0009	67	17.5
Y2 90S-2	1.5	2	2840	3.22	3.06	2.95	84.2	0.84	5.04	3	3.2	8	0.0012	72	21
Y2 90L-2	2.2	3	2840	4.59	4.36	4.2	85.7	0.85	7.4	3	3.2	8	0.0014	72	25
Y2 100L-2	3	4	2860	6.04	5.73	5.53	86.8	0.87	9.95	2.8	3.2	8	0.0029	76	33
Y2 112M-2	4	5.5	2880	7.87	7.48	7.21	87.7	0.88	13.22	2.5	3.2	8	0.0055	77	41
Y2 132S1-2	5.5	7.5	2900	10.7	10.2	9.79	88.8	0.88	18.11	2.2	3.2	8	0.0109	80	63
Y2 132S2-2	7.5	10	2900	14.5	13.7	13.2	89.6	0.88	24.7	2.2	3.2	8	0.0126	80	70
Y2 160M1-2	11	15	2930	20.7	19.6	18.9	90.8	0.89	35.85	1.9	3	8	0.0377	86	110
Y2 160M2-2	15	20	2930	28	26.6	25.6	91.5	0.89	48.89	1.9	3	8	0.0499	86	120
Y2 160L-2	18.5	25	2930	33.9	32.3	31.1	92.0	0.90	60.3	1.9	3	8	0.055	86	135
Y2 180M-2	22	30	2940	40.2	38.2	36.8	92.3	0.90	71.46	1.9	3	8.2	0.075	89	165
Y2 200L1-2	30	40	2950	54.5	51.7	49.9	93.0	0.90	97.12	1.9	3	7.6	0.124	92	218
Y2 200L2-2	37	50	2950	66.8	63.5	61.2	93.5	0.90	119.78	1.9	3	7.6	0.139	92	230
Y2 225M-2	45	60	2960	81	76.9	74.2	93.8	0.90	144.7	1.8	2.5	7.6	0.233	92	280
Y2 250M-2	55	75	2965	98.6	93.6	90.3	94.2	0.90	176.85	1.8	2.5	8.2	0.312	93	365
Y2 280S-2	75	100	2970	134	127	122	94.8	0.90	241.16	1.7	2.5	7.6	0.579	94	495
Y2 280M-2	90	125	2970	158	150	145	95.2	0.91	289.39	1.7	2.5	7.6	0.675	94	565
Y2 315S-2	110	150	2975	193	183	177	95.2	0.91	352.51	1.6	2.2	7.2	1.18	96	890
Y2 315M-2	132	180	2975	231	219	211	95.5	0.91	423.02	1.6	2.2	7.2	1.82	96	980
Y2 315L1-2	160	220	2975	276	263	253	95.6	0.92	512.75	1.6	2.2	7.2	2.08	99	1055
Y2 315L2-2	200	270	2975	346	329	317	95.5	0.92	640.94	1.6	2.2	7.2	2.38	99	1110
Y2 355M-2	250	340	2980	430	409	394	96.0	0.92	799.83	1.6	2.2	7.2	3	103	1900
Y2 355L-2	315	430	2980	542	515	496	96.0	0.92	1007.9	1.6	2.2	7.2	3.5	103	2300

TECHNICAL DATA

SPEED 1500RPM 4-POLES 50HZ

Type	Output		Speed r/min	In A			Efficiency η % 100%	Power factor $\cos\Phi$ 100%	Tn Nm	Ts Tn	Tmax Tn	Is In	Moment (J) kgm ²	Noise LwdB(A)	Weight Kg
	Kw	Hp		380V	400V	415V									
Y2 631-4	0.12	0.18	1310	0.44	0.42	0.41	57.0	0.72	0.84	2.1	2.2	4.4	0.0002	52	13
Y2 632-4	0.18	0.25	1310	0.62	0.59	0.57	60.0	0.73	1.26	2.1	2.2	4.4	0.0003	52	13.5
Y2 711-4	0.25	0.37	1330	0.79	0.75	0.72	65.0	0.74	1.73	2.1	2.2	5.2	0.0006	55	14
Y2 712-4	0.37	0.5	1330	1.12	1.06	1.02	67.0	0.75	2.54	2.1	2.2	5.2	0.0008	55	14.5
Y2 801-4	0.55	0.75	1390	1.38	1.31	1.26	80.6	0.75	3.78	2.4	2.3	5.2	0.0018	58	15
Y2 802-4	0.75	1	1390	1.82	1.73	1.67	82.4	0.76	5.15	2.4	2.3	6.0	0.0021	58	16
Y2 90S-4	1.1	1.5	1390	2.59	2.46	2.37	83.9	0.77	7.5	2.7	3.0	7.0	0.0023	61	23
Y2 90L-4	1.5	2	1390	3.39	3.22	3.11	85.1	0.79	10.23	2.7	3.0	7.0	0.0027	61	25
Y2 100L1-4	2.2	3	1410	4.77	4.53	4.37	86.5	0.81	14.8	2.5	2.8	7.0	0.0054	64	33
Y2 100L2-4	3	4	1410	6.35	6.04	5.82	87.5	0.82	20.18	2.5	2.8	7.0	0.0067	64	35
Y2 112M-4	4	5.5	1435	8.37	7.96	7.67	88.5	0.82	26.53	2.2	2.8	7.0	0.0095	65	41
Y2 132S-4	5.5	7.5	1440	11.3	10.7	10.3	89.3	0.83	36.48	2.2	2.8	7.0	0.0214	71	65
Y2 132M-4	7.5	10	1440	15	14.3	13.8	90.2	0.84	49.74	2.2	2.8	7.0	0.0296	71	76
Y2 160M-4	11	15	1460	21.8	20.7	20.0	91.1	0.84	71.59	2.1	2.8	7.5	0.0747	75	118
Y2 160L-4	15	20	1460	29.1	27.7	26.7	92.0	0.85	98.12	2.1	2.8	7.5	0.0918	75	132
Y2 180M-4	18.5	25	1470	35.4	33.6	32.4	92.3	0.86	120.19	2.1	2.8	7.5	0.139	76	164
Y2 180L-4	22	30	1470	41.9	39.8	38.4	92.8	0.86	142.93	2.1	2.5	7.5	0.158	76	182
Y2 200L-4	30	40	1470	56.8	54	52	93.3	0.86	160.98	2.1	2.5	7.5	0.262	79	245
Y2 225S-4	37	50	1475	68.9	65.4	63.1	93.8	0.87	198.51	1.8	2.3	7.5	0.406	81	258
Y2 225M-4	45	60	1475	83.6	79.4	76.6	94.0	0.87	290.37	1.8	2.3	7.5	0.469	91	290
Y2 250M-4	55	75	1480	102	96.7	93.2	94.4	0.87	354.9	1.8	2.3	7.5	0.66	83	388
Y2 280S-4	75	100	1480	138	131	126	94.9	0.87	483.95	1.8	2.3	7.5	1.12	86	510
Y2 280M-4	90	125	1480	165	157	151	95.2	0.87	578.79	1.8	2.3	7.5	1.46	86	606
Y2 315S-4	110	150	1480	199	189	182	95.5	0.88	707.41	1.7	2.2	7.2	3.11	93	910
Y2 315M-4	132	180	1480	238	226	218	95.6	0.88	848.89	1.7	2.2	7.2	3.62	93	1000
Y2 315L1-4	160	220	1480	285	271	261	95.8	0.89	1029	1.7	2.2	7.2	4.13	97	1055
Y2 315L2-4	200	270	1480	357	339	327	95.6	0.89	1286.2	1.7	2.2	7.2	4.73	97	1128
Y2 355M-4	250	340	1490	440	418	403	96.0	0.90	1602.4	1.7	2.2	7.2	6.5	101	1700
Y2 355L-4	315	430	1490	554	526	507	96.0	0.90	2019	1.7	2.2	7.2	8.2	101	1900

TECHNICAL DATA

SPEED 1000RPM 6-POLES 50HZ

Type	Output		Speed r/min	In A			Efficiency η % 100%	Power factor $\cos\phi$ 100%	Tn Nm	Ts Tn	Tmax Tn	Is In	Moment (J) kgm ²	Noise LwdB(A)	Weight Kg
	Kw	Hp		380V	400V	415V									
	Y2 711-6	0.18		0.25	850	0.74									
Y2 712-6	0.25	0.37	850	0.95	0.9	0.87	59.0	0.68	2.65	1.9	2.0	4	0.0014	50	14.5
Y2 801-6	0.37	0.5	885	1.29	1.23	1.18	62.0	0.70	3.93	1.9	2.0	4.7	0.0016	52	15
Y2 802-6	0.55	0.75	885	1.54	1.46	1.41	75.5	0.72	5.84	1.9	2.1	4.7	0.0019	52	16
Y2 90S-6	0.75	1	910	2.03	1.93	1.86	77.8	0.72	7.87	2.5	2.5	5.5	0.0029	55	19
Y2 90L-6	1.1	1.5	910	2.86	2.72	2.62	80.0	0.73	11.54	2.5	2.5	5.5	0.0035	55	22
Y2 100L-6	1.5	2	920	3.72	3.53	3.41	81.7	0.75	15.24	2.2	2.5	5.5	0.0069	59	32
Y2 112M-6	2.2	3	935	5.26	5	4.82	83.6	0.76	22.35	2.2	2.5	5.5	0.014	63	41
Y2 132S-6	3	4	960	7.05	6.7	6.45	85.1	0.76	29.84	2.1	2.5	5.5	0.0286	67	63
Y2 132M1-6	4	5.5	960	9.27	8.8	8.48	86.3	0.76	39.79	2.1	2.5	6	0.0357	67	72
Y2 132M2-6	5.5	7.5	960	12.4	11.8	11.3	87.6	0.77	54.71	2.1	2.5	6	0.0449	67	81
Y2 160M-6	7.5	10	970	16.6	15.8	15.2	89.2	0.77	73.84	2.1	2.5	6	0.0081	71	118
Y2 160L-6	11	15	970	23.8	22.6	21.8	90.2	0.78	108.3	2.1	2.5	6.5	0.116	71	145
Y2 180L-6	15	20	970	30.9	29.3	28.2	91.2	0.81	147.68	2.1	2.5	6.5	0.207	71	178
Y2 200L1-6	18.5	25	980	37.8	36	34.7	91.7	0.81	182.14	2.1	2.5	7	0.315	74	200
Y2 200L2-6	22	30	980	43.7	41.5	40	92.2	0.83	216.6	2.1	2.5	7	0.36	74	228
Y2 225M-6	30	40	980	58.6	55.7	53.7	92.6	0.84	292.35	1.8	2.0	7	0.547	74	265
Y2 250M-6	37	50	980	70.1	66.6	64.2	93.2	0.86	360.26	1.8	2.0	7	0.843	76	370
Y2 280S-6	45	60	980	84.8	80.6	77.7	93.7	0.86	438.52	1.8	2.0	7	1.39	78	490
Y2 280M-6	55	75	980	103	98.2	94.7	94.0	0.86	535.97	1.8	2.0	7	1.65	78	540
Y2 315S-6	75	100	985	140	133	128	94.6	0.86	730.87	1.8	2.0	7	4.11	83	900
Y2 315M-6	90	125	985	167	159	153	95.0	0.86	872.59	1.8	2.0	7	4.78	83	980
Y2 315L1-6	110	150	985	204	194	187	95.2	0.86	1066.5	1.8	2.0	7	5.45	83	1045
Y2 315L2-6	132	180	985	241	229	221	95.5	0.87	1279.8	1.8	2.0	7	6.12	83	1100
Y2 355M1-6	160	220	990	288	274	264	95.8	0.88	1543.4	1.8	2.0	7	9.5	90	1550
Y2 355M2-6	200	270	990	363	345	332	95.2	0.88	1913.3	1.8	2.0	7	10.4	90	1600
Y2 355L-6	250	340	990	454	431	416	95.1	0.88	2411.6	1.8	2.0	7	12.4	90	1700



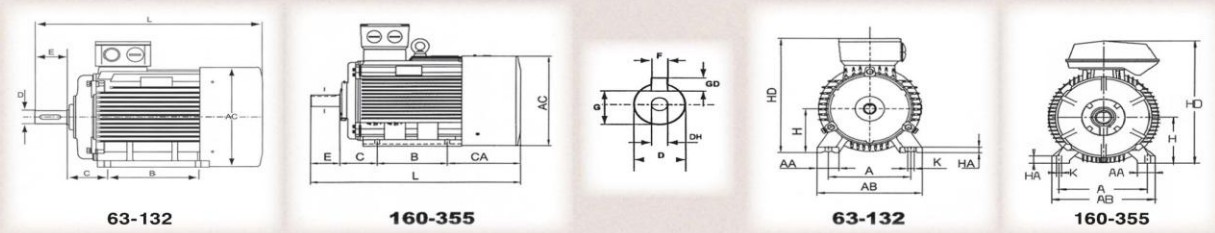
TECHNICAL DATA

SPEED 750RPM 8-POLES 50HZ

Type	Output		Speed r/min	In A			Efficiency η % 100%	Power factor $\cos\phi$ 100%	Tn Nm	Ts Tn	Tmax Tn	Is In	Moment (J) kgm ²	Noise LwdB(A)	Weight Kg
	Kw	Hp		380V	400V	415V									
	Y2 801-8	0.18		0.25	645	0.88									
Y2 802-8	0.25	0.37	645	1.57	1.09	1.05	54.0	0.61	3.46	1.8	1.9	3.3	0.003	52	18
Y2 90S-8	0.37	0.5	670	1.49	1.41	1.36	62.0	0.61	5.12	1.8	1.9	4.9	0.0051	56	22
Y2 90L-8	0.55	0.75	670	2.17	2.06	1.99	63.0	0.61	7.61	1.8	2	4	0.0065	56	24
Y2 100L1-8	0.75	1	680	2.31	2.2	2.12	73.6	0.67	10.23	1.8	2	4	0.009	59	30
Y2 100L2-8	1.1	1.5	680	3.17	3.01	2.9	76.5	0.69	15.00	1.8	2	5	0.011	59	32
Y2 112M-8	1.5	2	690	4.2	3.99	3.85	78.6	0.69	20.46	1.8	2	5	0.0245	61	40
Y2 132S-8	2.2	3	705	5.81	5.51	5.32	81.1	0.71	29.59	1.8	2	6	0.0314	64	64
Y2 132M-8	3	4	705	7.54	7.16	6.91	82.8	0.73	40.35	1.8	2	6	0.0395	64	78
Y2 160M1-8	4	5.5	720	9.86	9.37	9.03	84.4	0.73	53.06	1.9	2	6	0.0753	68	105
Y2 160M2-8	5.5	7.5	720	13.1	12.5	12	86.0	0.74	72.59	2	2	6	0.0931	68	115
Y2 160L-8	7.5	10	720	17.4	16.5	15.9	87.3	0.75	99.50	2	2	6	0.126	68	145
Y2 180L-8	11	15	730	24.7	23.5	22.6	89.0	0.76	143.90	2	2	6	0.203	70	160
Y2 200L-8	15	20	730	33.2	31.6	30.4	90.2	0.76	196.23	2	2	6.6	0.399	73	228
Y2 225S-8	18.5	25	730	40.7	38.7	37.3	90.8	0.76	242.02	1.9	2	6.6	0.491	73	242
Y2 225M-8	22	30	730	46.9	44.5	42.9	91.4	0.78	287.81	1.9	2	6.6	0.547	73	265
Y2 250M-8	30	40	735	62.5	59.4	57.2	92.3	0.79	382.47	1.9	2	6.6	0.834	75	368
Y2 280S-8	37	50	735	76.6	72.8	70.1	92.9	0.79	484.04	1.9	2	6.6	1.93	76	472
Y2 280M-8	45	60	735	92.7	88	84.8	93.4	0.79	580.74	1.8	2	6.6	3.65	76	538
Y2 315S-8	55	75	735	110	104	101	93.8	0.81	709.80	1.8	2	6.6	4.79	82	900
Y2 315M-8	75	100	735	149	141	136	94.5	0.81	967.91	1.8	2	6.6	5.58	82	1000
Y2 315L1-8	90	125	735	176	167	161	94.8	0.82	1161.49	1.8	2	6.6	6.37	82	1055
Y2 315L2-8	110	150	735	214	203	196	95.3	0.82	1419.60	1.8	2	6.4	7.23	82	1118
Y2 355M1-8	132	180	740	256	243	235	95.5	0.82	1692.08	1.8	2	6.4	7.9	90	2000
Y2 355M2-8	160	220	740	309	294	283	95.8	0.82	2051.00	1.8	2	6.4	10.3	90	2150
Y2 355L-8	200	270	740	382	363	350	95.8	0.83	2563.38	1.8	2	6.4	12.3	90	2250

MOUNTING AND OVERALL DIMENSIONS

IM B3 63-355



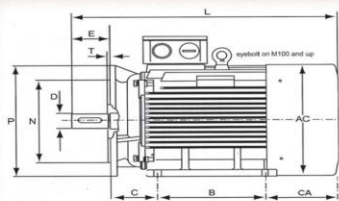
Type	Poles	Dimensions in mm																	
		A	AA	B	C	D	E	F	G	GD	H	K	AB	AC	HD	L	CA	HA	DH
63	2, 4	100	30	80	40	11	23	4	8.5	4	63	7	135	120	180	225	81	8	M4X12
71	2, 4, 6	112	32	90	45	14	30	5	11	5	71	7	150	136	195	250	85	8	M5X12
80	2, 4, 6, 8	125	34	100	50	19	40	6	15.5	6	80	10	165	156	214	295	101	10	M6X16
90S	2, 4, 6, 8	140	36	100	56	24	50	8	20	7	90	10	180	176	250	315	110	12	M8X19
90L	2, 4, 6, 8	140	36	125	56	24	50	8	20	7	90	10	180	176	250	340	110	12	M8X19
100L	2, 4, 6, 8	160	40	140	63	28	60	8	24	7	100	12	205	196	270	385	125	14	M10X22
112M	2, 4, 6, 8	190	45	140	70	28	60	8	24	7	112	12	230	220	300	400	132	15	M10X22
132S	2, 4, 6, 8	216	55	140	89	38	80	10	33	8	132	12	270	259	345	470	169	18	M12X28
132M	2, 4, 6, 8	216	55	178	89	38	80	10	33	8	132	12	270	259	345	510	169	18	M12X28
160M	2, 4, 6, 8	254	65	210	108	42	110	12	37	8	160	15	320	315	420	615	190	20	M16X36
160L	2, 4, 6, 8	254	65	254	108	42	110	12	37	8	160	15	320	315	420	670	224	22	M16X36
180M	2	279	70	241	121	48	110	14	42.5	9	180	15	355	355	455	700	220	25	M16X36
	4, 6, 8	279	70	279	121	48	110	14	42.5	9	180	15	355	355	455	740	220	28	M16X36
180L	4, 6, 8	279	70	279	121	48	110	14	42.5	9	180	15	355	355	455	740	220	28	M16X36
200L	2	318	70	305	133	55	110	16	49	10	200	19	395	397	505	770	241	30	M20X42
	4, 6, 8	318	70	305	133	55	110	16	49	10	200	19	395	397	505	770	241	30	M20X42
225S	4, 8	356	75	286	149	60	140	18	53	11	225	19	435	445	555	815	241	28	M20X42
225M	2	356	75	311	149	55	110	16	49	10	225	19	435	445	555	820	241	28	M20X42
	4, 6, 8	356	75	311	149	60	140	18	53	11	225	19	435	445	555	845	241	28	M20X42
250M	2	406	80	349	168	60	140	18	53	11	250	24	490	485	615	910	263	30	M20X42
	4, 6, 8	406	80	349	168	65	140	18	58	11	250	24	490	485	615	910	263	30	M20X42
280S	2	457	85	368	190	65	140	18	58	11	280	24	550	547	680	985	283	35	M20X42
	4, 6, 8	457	85	368	190	75	140	20	67.5	12	280	24	550	547	680	985	283	35	M20X42
280M	2	457	85	419	190	65	140	18	58	11	280	24	550	547	680	1035	283	35	M20X42
	4, 6, 8	457	85	419	190	75	140	20	67.5	12	280	24	550	547	680	1035	283	35	M20X42
315S	2	508	120	406	216	65	140	18	58	11	315	28	635	620	845	1160	428	45	M20X42
	4, 6, 8	508	120	406	216	80	170	22	71	14	315	28	635	620	845	1270	428	45	M20X42
315M	2	508	120	457	216	65	140	18	58	11	315	28	635	620	845	1190	487	45	M20X42
	4, 6, 8	508	120	457	216	80	170	22	71	14	315	28	635	620	845	1300	487	45	M20X42
315L	2	508	120	508	216	65	140	18	58	11	315	28	635	620	845	1190	436	45	M20X42
	4, 6, 8	508	120	508	216	80	170	22	71	14	315	28	635	620	845	1300	436	45	M20X42
355M	2	610	116	560	254	75	140	20	67.5	12	355	28	730	698	1010	1500	544	52	M20X42
	4, 6, 8	610	116	560	254	100	170	28	90	16	355	28	730	698	1010	1530	544	52	M20X42
355L	2	610	116	630	254	75	140	20	67.5	12	355	28	730	698	1010	1500	474	52	M20X42
	4, 6, 8	610	116	630	254	100	170	28	90	16	355	28	730	698	1010	1530	474	52	M20X42

DEMAC

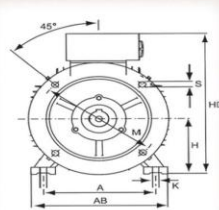
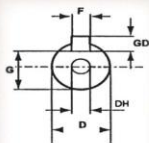
MOTORS

MOUNTING AND OVERALL DIMENSIONS

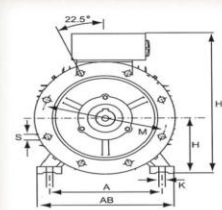
IM B35 63-355



M 63-355



M 63-200

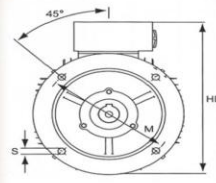
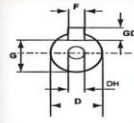
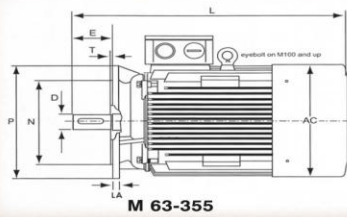


M 225-355

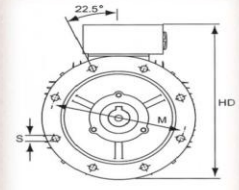
Type	Poles	Dimensions in mm																				
		A	B	C	D	E	F	G	H	K	AB	AC	HD	L	CA	Flange holes	M	N	P	S	T	DH
63	2, 4	100	80	40	11	23	4	8.5	63	7	135	120	180	225	81	4	115	95	140	10	3	M4X12
71	2, 4, 6	112	90	45	14	30	5	11	71	7	150	136	195	250	85	4	130	110	160	10	3.5	M5X12
80	2, 4, 6, 8	125	100	50	19	40	6	15.5	80	10	165	156	214	295	101	4	165	130	200	12	3.5	M6X16
90S	2, 4, 6, 8	140	100	56	24	50	8	20	90	10	180	176	250	315	110	4	165	130	200	12	3.5	M8X19
90L	2, 4, 6, 8	140	125	56	24	50	8	20	90	10	180	176	250	340	110	4	165	130	200	12	3.5	M8X19
100L	2, 4, 6, 8	160	140	63	28	60	8	24	100	12	205	196	270	385	125	4	215	180	250	15	4	M10X22
112M	2, 4, 6, 8	190	140	70	28	60	8	24	112	12	230	220	300	400	132	4	215	180	250	15	4	M10X22
132S	2, 4, 6, 8	216	140	89	38	80	10	33	132	12	270	259	345	470	169	4	265	230	300	15	4	M12X28
132M	2, 4, 6, 8	216	178	89	38	80	10	33	132	12	270	259	345	510	169	4	265	230	300	15	4	M12X28
160M	4, 6, 8	254	210	108	42	110	12	37	160	15	320	315	420	615	190	4	300	250	350	19	5	M16X36
160L	4, 6, 8	254	254	108	42	110	12	37	160	15	320	315	420	670	224	4	300	250	350	19	5	M16X36
180M	2	279	241	121	48	110	14	42.5	180	15	355	355	455	700	220	4	300	250	350	19	5	M16X36
	4, 6, 8	279	241	121	48	110	14	42.5	180	15	355	355	455	700	220	4	300	250	350	19	5	M16X36
180L	4, 6, 8	279	279	121	48	110	14	42.5	180	15	355	355	455	740	220	4	300	250	350	19	5	M16X36
200L	2	318	305	133	55	110	16	49	200	19	395	397	505	770	241	4	350	300	400	19	5	M20X42
	4, 6, 8	318	305	133	55	110	16	49	200	19	395	397	505	770	241	4	350	300	400	19	5	M20X42
225S	4, 8	356	286	149	60	140	18	53	225	19	435	445	555	815	241	8	400	350	450	19	5	M20X42
225M	2	356	311	149	55	110	16	49	225	19	435	445	555	820	241	8	400	350	450	19	5	M20X42
	4, 6, 8	356	311	149	60	140	18	53	225	19	435	445	555	845	241	8	400	350	450	19	5	M20X42
250M	2	406	349	168	60	140	18	53	250	24	490	485	615	910	263	8	500	450	550	19	5	M20X42
	4, 6, 8	406	349	168	65	140	18	58	250	24	490	485	615	910	263	8	500	450	550	19	5	M20X42
280S	2	457	368	190	65	140	18	58	280	24	550	547	680	985	283	8	500	450	550	19	5	M20X42
	4, 6, 8	457	368	190	75	140	20	67.5	280	24	550	547	680	985	283	8	500	450	550	19	5	M20X42
280M	2	457	419	190	65	140	18	58	280	24	550	547	680	1035	283	8	500	450	550	19	5	M20X42
	4, 6, 8	457	419	190	75	140	20	67.5	280	24	550	547	680	1035	283	8	500	450	550	19	5	M20X42
315S	2	508	406	216	65	140	18	58	315	28	635	620	845	1160	428	8	600	550	660	24	6	M20X42
	4, 6, 8	508	406	216	80	170	22	71	315	28	635	620	845	1270	428	8	600	550	660	24	6	M20X42
315M	2	508	457	216	65	140	18	58	315	28	635	620	845	1190	487	8	600	550	660	24	6	M20X42
	4, 6, 8	508	457	216	80	170	22	71	315	28	635	620	845	1300	487	8	600	550	660	24	6	M20X42
315L	2	508	508	216	65	140	18	58	315	28	635	620	845	1190	436	8	600	550	660	24	6	M20X42
	4, 6, 8	508	508	216	80	170	22	71	315	28	635	620	845	1300	436	8	600	550	660	24	6	M20X42
355M	2	610	560	254	75	140	20	67.5	355	28	730	698	1010	1500	544	8	740	680	800	24	6	M20X42
	4, 6, 8	610	560	254	100	170	28	90	355	28	730	698	1010	1530	544	8	740	680	800	24	6	M20X42
355L	2	610	630	254	75	140	20	67.5	355	28	730	698	1010	1500	474	8	740	680	800	24	6	M20X42
	4, 6, 8	610	630	254	100	170	28	90	355	28	730	698	1010	1530	474	8	740	680	800	24	6	M20X42

MOUNTING AND OVERALL DIMENSIONS

IM B5 63-355



M 63-200



M 225-355

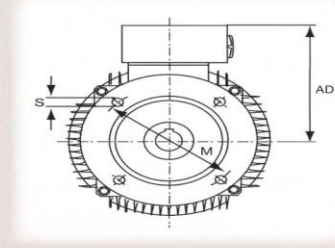
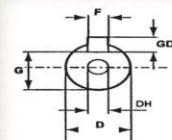
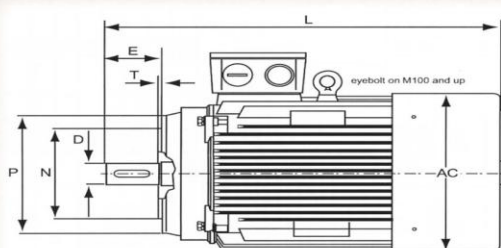
Type	Flange NO.	Poles	Dimensions in mm														
			M	N	P	S	T	D	E	F	G	Flange holes	AC	HD	L	LA	DH
63	FF140	2, 4	115	95	140	10	3	11	23	4	8.5	4	120	180	225	10	M4X12
71	FF160	2, 4, 6	130	110	160	10	3.5	14	30	5	11	4	136	195	250	10	M5X12
80	FF200	2, 4, 6, 8	165	130	200	12	3.5	19	40	6	15.5	4	156	214	295	12	M6X16
90S	FF200	2, 4, 6, 8	165	130	200	12	3.5	24	50	8	20	4	176	250	315	12	M8X19
90L	FF200	2, 4, 6, 8	165	130	200	12	3.5	24	50	8	20	4	176	250	340	12	M8X19
100L	FF250	2, 4, 6, 8	215	180	250	15	4	28	60	8	24	4	196	270	385	13	M10X22
112M	FF250	2, 4, 6, 8	215	180	250	15	4	28	60	8	24	4	220	300	400	14	M10X22
132S	FF300	2, 4, 6, 8	265	230	300	15	4	38	80	10	33	4	259	345	470	14	M12X28
132M	FF300	2, 4, 6, 8	265	230	300	15	4	38	80	10	33	4	259	345	510	14	M12X28
160M	FF350	2, 4, 6, 8	300	250	350	19	5	42	110	12	37	4	315	420	615	15	M16X36
160L	FF350	2, 4, 6, 8	300	250	350	19	5	42	110	12	37	4	315	420	670	15	M16X36
180M	FF350	2, 4, 6, 8	300	250	350	19	5	48	110	14	42.5	4	355	455	700	15	M16X36
180L	FF350	2, 4, 6, 8	300	250	350	19	5	48	110	14	42.5	4	355	455	740	15	M16X36
200L	FF400	2, 4, 6, 8	350	300	400	19	5	55	110	16	49	4	397	505	770	17	M20X42
225S	FF450	4, 8	400	350	450	19	5	60	140	18	53	8	445	555	815	20	M20X42
225M	FF450	2	400	350	450	19	5	55	110	16	49	8	445	555	820	20	M20X42
	FF450	4, 6, 8	400	350	450	19	5	60	140	18	53	8	445	555	845	20	M20X42
250M	FF550	2	500	450	550	19	5	60	140	18	53	8	485	615	910	22	M20X42
	FF550	4, 6, 8	500	450	550	19	5	65	140	18	58	8	485	615	910	22	M20X42
280S	FF550	2	500	450	550	19	5	65	140	18	58	8	547	680	985	22	M20X42
	FF550	4, 6, 8	500	450	550	19	5	75	140	20	67.5	8	547	680	985	22	M20X42
280M	FF550	2	500	450	550	19	5	65	140	18	58	8	547	680	1035	22	M20X42
	FF550	4, 6, 8	500	450	550	19	5	75	140	20	67.5	8	547	680	1035	22	M20X42
315S	FF660	2	600	550	660	24	6	65	140	18	58	8	620	845	1160	22	M20X42
	FF660	4, 6, 8	600	550	660	24	6	80	170	22	71	8	620	845	1270	22	M20X42
315M	FF660	2	600	550	660	24	6	65	140	18	58	8	620	845	1190	22	M20X42
	FF660	4, 6, 8	600	550	660	24	6	80	170	22	71	8	620	845	1300	22	M20X42
315L	FF660	2	600	550	660	24	6	65	140	18	58	8	620	845	1190	22	M20X42
	FF660	4, 6, 8	600	550	660	24	6	80	170	22	71	8	620	845	1300	22	M20X42
355M	FF800	2	740	680	800	24	6	75	140	20	67.5	8	698	1010	1500	25	M20X42
	FF800	4, 6, 8	740	680	800	24	6	100	170	28	90	8	698	1010	1530	25	M20X42
355L	FF800	2	740	680	800	24	6	75	140	20	67.5	8	698	1010	1500	25	M20X42
	FF800	4, 6, 8	740	680	800	24	6	100	170	28	90	8	698	1010	1530	25	M20X42

DEMAC

MOTORS

MOUNTING AND OVERALL DIMENSIONS

IM B14A-B 63-160



Frame size	SMALL FLANGE (B14A)												LARGE FLANGE (B14B)				
	AC	D	AD	DH	E	F	L	M	N	P	S	T	M	N	P	S	T
63	130	11	111	M4x12	23	4	217	75	60	90	M5	2.5	100	80	120	M6	2.5
71	145	14	118	M5x12	30	5	245	85	70	105	M6	2.5	115	95	140	M8	3.0
80	175	19	134	M6x16	40	6	297	100	80	120	M6	3.0	130	110	160	M8	3.5
90S	195	24	140	M8x19	50	8	315	115	95	140	M8	3.0	130	110	160	M8	3.5
90L	195	24	140	M8x19	50	8	340	115	95	140	M8	3.0	130	110	160	M8	3.5
100L	215	28	160	M10x22	60	8	385	130	110	160	M8	3.5	165	130	200	M10	3.5
112M	240	28	178	M10x22	60	8	400	130	110	160	M8	3.5	165	130	200	M10	3.5
132S	275	38	206	M12x28	80	10	483	165	130	200	M10	3.5	215	180	250	M12	4.0
132M	275	38	206	M12x28	80	10	510	165	130	200	M10	3.5	215	180	250	M12	4.0
160M	330	42	255	M16x36	110	12	615	215	180	250	M12	4.0	265	230	300	M16	5.0
160L	330	42	255	M16x36	110	12	670	215	180	250	M12	4.0	265	230	300	M16	5.0