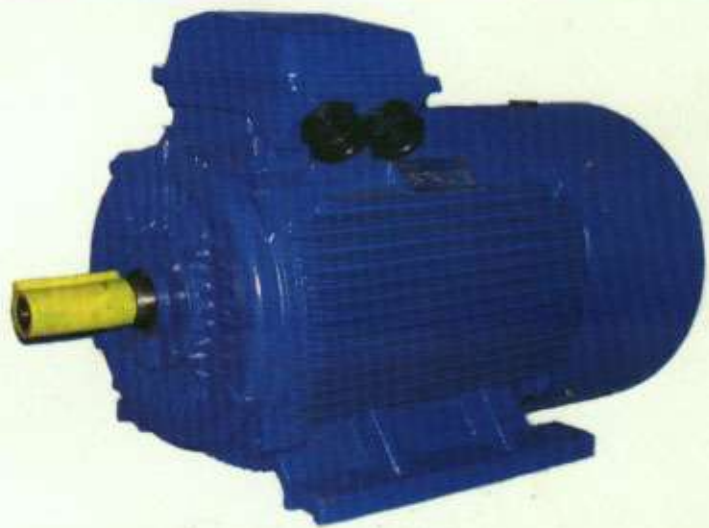
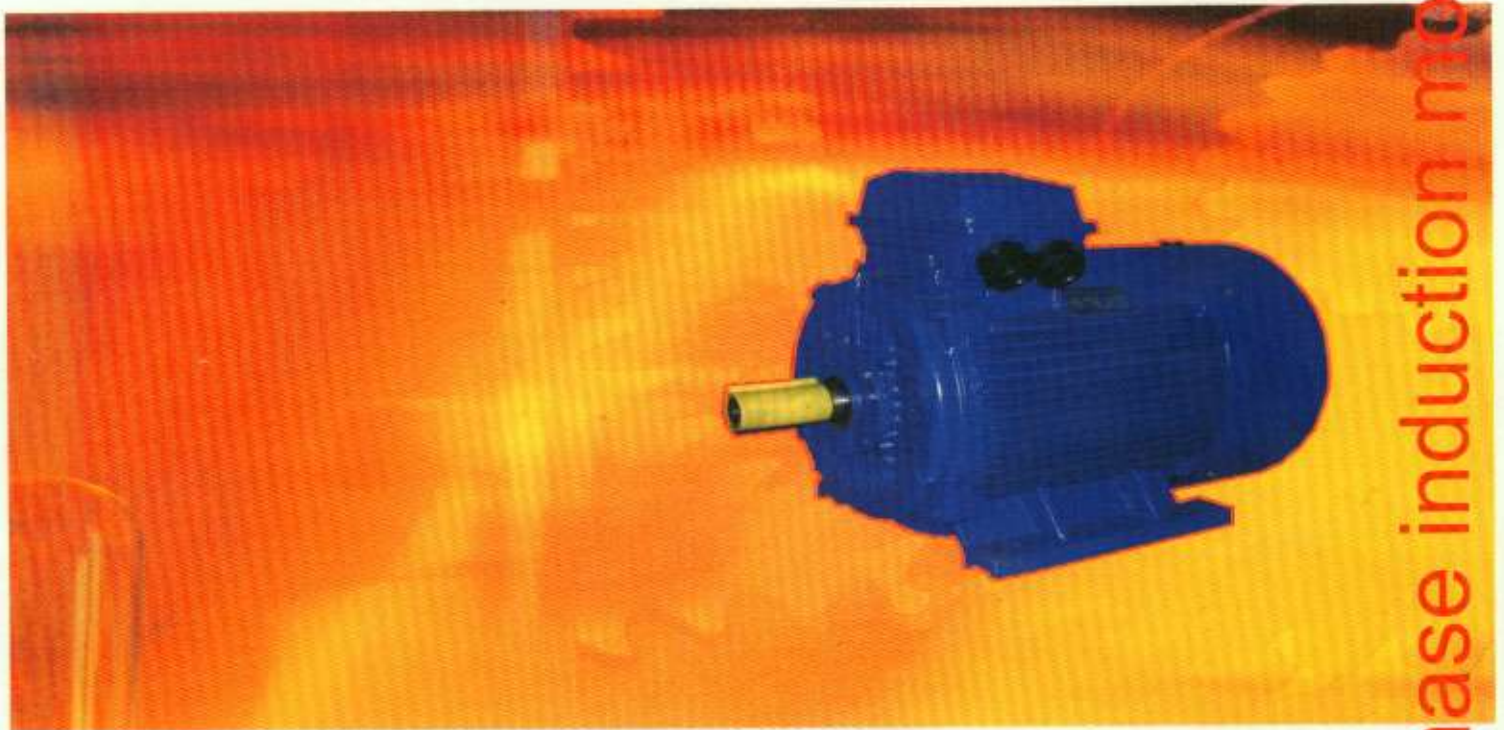


YUEMA[®]

EFF2

Y3 series & Y3A series



Three phase induction motors

ZHEJIANG YUEMA ELECTRICAL MACHINERY STOCK CO.,LTD



Y3 - Series Three-Phase Induction Motor

PREFACE

Located in zhejiang provience , China Zhejiang Yuema Electrical machinery Stock Co.,Ltd. enjoys convenient transportation by water, Land and air. our company is a Chinese main manufacture specialized in the manufacture of small & medium sized electrical machinery.

With a powerful scientific and technical force, advanced developing mode, hi-efficiency production facilities, complete testing conditions and consummate modernized management system, our company, all of whose products have been conformed to the IEC standards, has obtained the quality license issued by national engine exporting commission, the ISO9001 international quality conformity, the USA BQR attestation and CE conformity. Whatis more, we have owned direct importing and exporting rights approved by China government.

Our main products include YU - Series three-phase asynchronous electric motor, Y3 series three-phase asynchronous electric motor, NEMA standart & hi-efficiency asynchronous electric motor, YUEJ & Y3EJ electromagnetic braking electric motor, YD? YDT pole - changing multi-speed electric motor, YU , Y3-WF series outdoor corrosion-proof electric motor, Y3A series alumunium three-phase electric motor, YC,YL & YY series alumunium single-phase motors, YB flame-proof three-phase electric motors, gear reducing motors and various special motors. the co., with more than 500 varieties of specifications, has most complete categories and highest productivity among the same line in China. Our variuos motors have been exported to over 30 countries and regions, such as Australia, North America, South America, Middle East, Southeast Asia and European Countries including Germany, Italy, UK, Belgium, Spain, Greece and so on, enjoying high reputation at home and abroad.

Outstanding innovative idea, excellent product quality and faithful service attitude is our permanent objective and solemn promise.

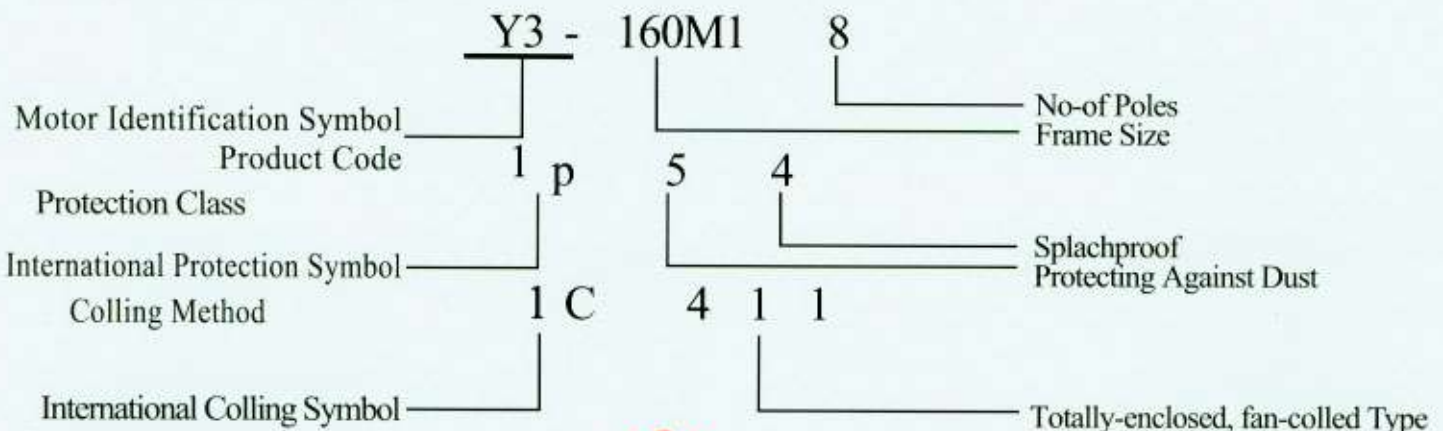
GENERALIZATION

Y3 series three-phase asynchronous electric motors, developed with new techniques, are a latest series with the efficiency in strict conformity to EFF2 standard in europe.

Y3 series motors are defined as totally enclosed, fancooled, squirrel cage type and have such good features as novel design, beautiful modeling, low noise, high efficiency, large torque, excellent starting performance, compact structure, easy serving and etc. they are adopted with F class insulation and designed with assessing method for insulation system according to international practice. It greatly enhances motoris safety and reliability. therefore, these motors have reached an international advanced level of such kind of products.

Y3 series motors can be widely used as driving equipments of various machineries, such as machine tools, blowers, pumps, compressors, transporters, agricultural and food processing.

DESIGNATION



Operating condition

Ambient temperatur: $-15^{\circ}\text{C} < 0 < 40^{\circ}\text{C}$

Altitude : Altitude should be lower than 1000 metres above sea level

Rated voltage : 380V.

Rated frequency : 50Hz

Connection : Star-Connection for 3kw or less whereas delta-connection for 4kw or more.

Duty/rating : Countinous(S1).

Insulation class : F. The temperature rise of the stator winding is examined at 80k (by resistance method).

Protection class : The main body of the motor is IP54,

But the terminal box reaches IP55.

Cooling method : IC411.

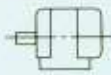





Introdution of stucture


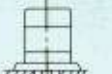


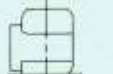
This series motors amount to the fifteenth frame sizes. among of them, the frames and end-shields of the frame size from H 63 to H 132 are made of cast iron or alumunium-alloy, and the frames of H160 or over are made of cast iron with sufficient mechanical strength. All cooling ribs of motors assume vertical of horizontal distribution. so, the motor entirely looks very beautiful.


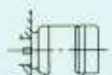

The terminal boxes are made of cast iron or alumunium-alloy die-casting for frame size H63 up to H280 or high strength cast iron for H315 up to H355 and located on the top of a side of the motor for offering users choose.

Mounting arrangements

The mounting arrangements of the motors comply with IEC34-7 recommendation. there are four basic arrangement shown as the following tables and figures.

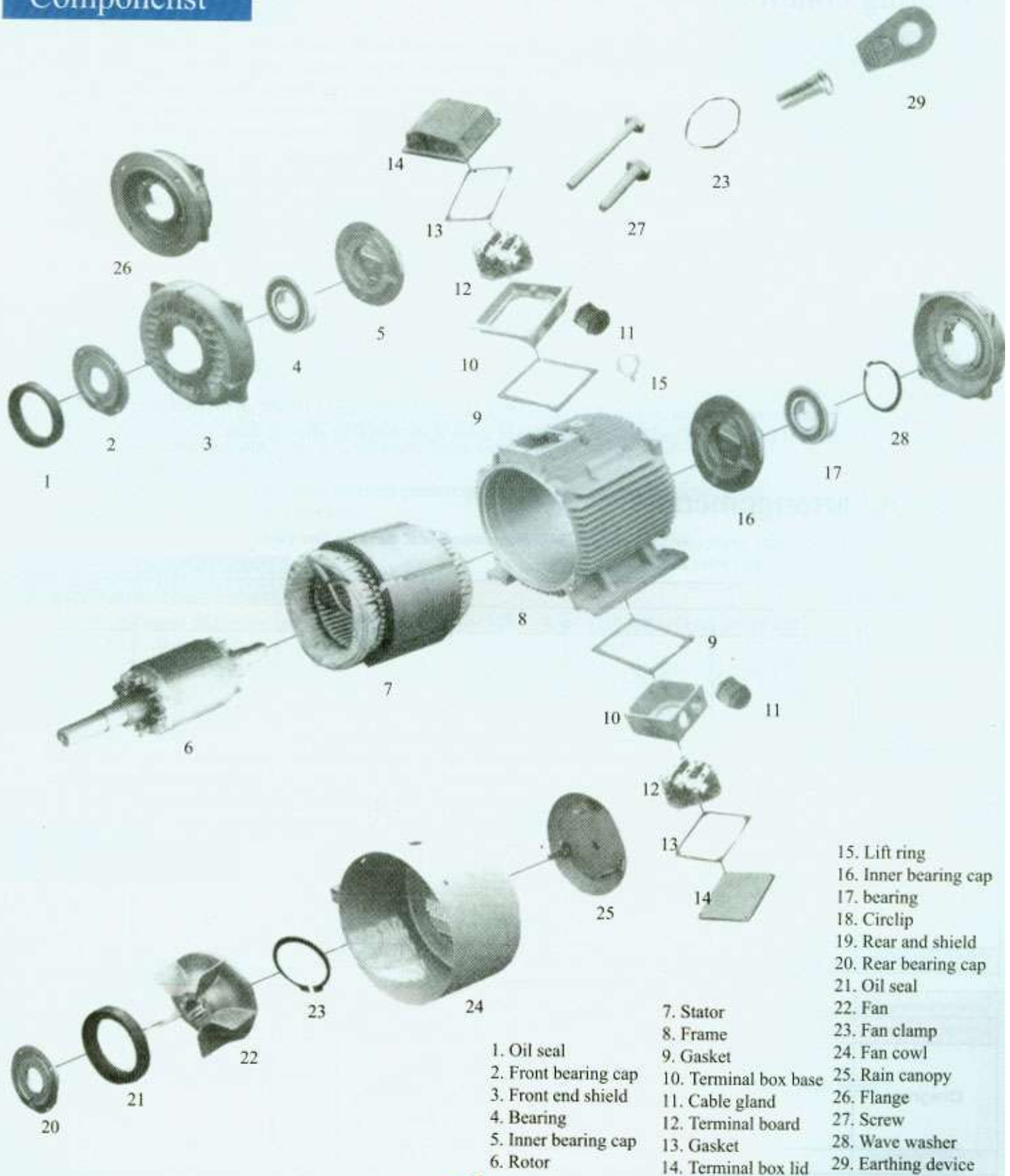
Fundamental arrangement	B3					
Mounting arrangement	B3	B6	B7	B8	V5	V6
Diagram						
Rangeof Manufacture (Framesize)	63-355	63-160				

Fundamental arrangement	B5			B35		
Mounting arrangement	V1	V3	B35	V15	V36	
Diagram						
Rangeof Manufacture (Framesize)	63-280	63-355	63-160	63-355	63-160	

Fundamental arrangement	B5		
Mounting arrangement	B5	B35	V36
Diagram			
Rangeof Manufacture (Framesize)	63-112		



Componenst



- 15. Lift ring
- 16. Inner bearing cap
- 17. bearing
- 18. Circlip
- 19. Rear and shield
- 20. Rear bearing cap
- 21. Oil seal
- 22. Fan
- 23. Fan clamp
- 24. Fan cowl
- 25. Rain canopy
- 26. Flange
- 27. Screw
- 28. Wave washer
- 29. Earthing device

- 7. Stator
- 8. Frame
- 9. Gasket
- 10. Terminal box base
- 11. Cable gland
- 12. Terminal board
- 13. Gasket
- 14. Terminal box lid
- 1. Oil seal
- 2. Front bearing cap
- 3. Front end shield
- 4. Bearing
- 5. Inner bearing cap
- 6. Rotor



Main data for terminal box

Classified No	Frame Size	Max.f.l.amps	Entry hole size
1	H63-80	2.6	1xM20x1.5
2	H90-100	6.8	1xM25X1.5
3	H112-132	15.4	2xM32X1.5
4	H160-180	42.5	2xM40X1.5
5	H200-225	84.2	2xM50X1.5
6	H250-280	166.6	2xM63X1.5
7	H315	358	2xM63X1.5
8	H355	546	2xM632X1.5

The fans are generally made of strengthen plastics other than that for frame sizes H 315 up to H 355 are made of aluminium-alloy or stamped with steel plate, All fan cowls are taken into shape by stretching with Cold rolled steel plate to become high mechanical strength.

Bearing size

Frame Size	P o l e s	Drive End	Non-Drive End
63	2 - 4	6201ZZC3	6201ZZC3
71	2 - 6	6202ZZC3	6202ZZC3
80	2 - 8	6204ZZC3	6204ZZC3
90	2 - 8	6205ZZC3	6205ZZC3
100	2 - 8	6206ZZC3	6206ZZC3
112	2 - 8	6306ZZC3	6206ZZC3
132	2 - 8	6308ZZC3	6208ZZC3
160	2	6309ZZC3	6309ZZC3
	4 - 8		
180	2	6311C3	6311C3
	4 - 8		
200	2	6312C3	6312C3
	4 - 8		
225	2	6313C3	6313C3
	4 - 8		
250	2	6314C3	6314C3
	4 - 8		
280	2	6314C3	6314C3
	4 - 8	6317C3	6317C3
315	2	6317C3	6317C3
	4 - 10	NU319C3	6319C3
355	2	6319C3	6319C3
	4 - 10	NU3ZZC3	633ZZC3





Y3 - Series Three-Phase Induction Motor

Speed 3000 rpm

380-420/220-240v Y/△ 50hz

660-725/380-420v Y/△ 50hz

Insulation class F, class B capability

Output kw	Type	Amps A	Speed r/min	Efficiency			Power factor			RT N.M	LRT	BDT	LRA	Noise L.db (A)	Moment of inertia	Weight kg
				100%	75%	50%	100%	75%	50%		RLT	RLT	RLA			
0.18	Y3. 631-2	0.5	2800	66	64	60	0.80	0.73	0.66	0.61	2.2	2.2	5.5	61	0.0031	14
0.25	Y3. 632-2	0.66	2800	69	68.5	66	0.81	0.74	0.67	0.96	2.2	2.2	5.5	61	0.0004	14.5
0.37	Y3. 711-2	0.94	2800	71	71	68.5	0.81	0.75	0.66	1.26	2.2	2.2	6.1	64	0.00055	15
0.55	Y3. 712-2	1.33	2800	74	73	69.5	0.82	0.76	0.69	1.88	2.2	2.3	6.1	64	0.0006	15.5
0.75	Y3. 801-2	1.73	2825	76.2	75.7	72.3	0.83	0.78	0.69	2.54	2.2	2.3	6.1	67	0.00075	16.5
1.1	Y3. 802-2	2.46	2825	79.3	80	78.2	0.84	0.82	0.72	3.72	2.2	2.3	7.0	67	0.0009	17.5
1.5	Y3. 90S-2	3.26	2840	80.4	80.2	77.3	0.84	0.80	0.70	5.04	2.2	2.3	7.0	72	0.0012	21
2.2	Y3. 90L-2	4.61	2840	81.6	82.7	81.6	0.87	0.84	0.74	7.40	2.2	2.3	7.0	72	0.0014	25
3	Y3. 100L-2	6.01	2880	83.4	83.4	81.3	0.88	0.85	0.76	9.95	2.2	2.3	7.5	76	0.0029	33
4	Y3. 112M-2	7.69	2890	85.5	85.5	83.5	0.89	0.85	0.76	13.22	2.2	2.3	7.5	77	0.0055	41
5.5	Y3. 132S1-2	10.5	2900	85.7	84.5	81.5	0.88	0.88	0.82	18.11	2.2	2.3	7.5	80	0.0109	63
7.5	Y3. 132S2-2	14.2	2900	87	86.9	85.3	0.90	0.89	0.84	24.70	2.2	2.3	7.5	80	0.0126	70
11	Y3. 160M1-2	20.2	2930	88.4	87.4	85.3	0.89	0.87	0.83	35.85	2.2	2.3	7.5	86	0.0377	110
15	Y3. 160M2-2	27.4	2930	89.4	88.5	86.2	0.89	0.88	0.83	48.89	2.2	2.3	7.5	86	0.0499	120
18.5	Y3. 160L-2	32.9	2930	90.5	90.2	88.6	0.91	0.90	0.87	60.30	2.2	2.3	7.5	86	0.055	135
22	Y3. 180M-2	38.9	2940	90.5	89.9	87.7	0.90	0.89	0.85	71.46	2.0	2.3	7.5	89	0.075	165
30	Y3. 200L1-2	52.7	2950	91.4	90.3	87.7	0.85	0.83	0.75	97.12	2.0	2.3	7.5	92	0.124	218
37	Y3. 200L2-2	64.5	2950	92	91.2	89.3	0.89	0.87	0.81	119.78	2.0	2.3	7.5	92	0.139	230
45	Y3. 225M-2	78.2	2970	92.5	90.9	88.4	0.89	0.88	0.84	144.70	2.0	2.3	7.5	92	0.233	280
55	Y3. 250M-2	95.9	2970	93	91.9	89.2	0.86	0.84	0.78	176.85	2.0	2.3	7.5	93	0.312	365
75	Y3. 280S-2	127.3	2970	93.6	93.1	91.5	0.90	0.88	0.84	241.16	2.0	2.3	7.5	94	0.579	495
90	Y3. 280M-2	152	2970	94.1	93.1	92.1	0.90	0.87	0.85	289.39	2.0	2.3	7.5	94	0.675	565
110	Y3. 315S-2	185.3	2980	94.4	93.9	92.4	0.90	0.87	0.82	352.51	1.8	2.2	7.1	96	1.18	890
132	Y3. 315M-2	221.4	2980	94.8	94.3	92.8	0.88	0.85	0.80	423.02	1.8	2.2	7.1	96	1.82	980
160	Y3. 315L1-2	265	2980	95	94.5	93	0.91	0.88	0.82	512.75	1.8	2.2	7.1	99	2.08	1055
200	Y3. 315L2-2	330	2980	95	94.5	93	0.90	0.88	0.82	640.94	1.8	2.2	7.1	99	2.38	1110
250	Y3. 355M-2	411	2985	95	94	92.5	0.90	0.88	0.81	799.94	1.8	2.2	7.1	103	3.00	1900
315	Y3. 355L-2	517	2985	95.2	95.2	94	0.91	0.89	0.81	100.79	1.8	2.2	7.1	103	3.50	2300





Y3 - Series Three-Phase Induction Motor

Speed 1500 rpm

380-420/220-240v Y/△ 50hz
 660-725/380-420v Y/△ 50hz
 Insulation class F, class B capability

Output kw	Type	Amps A	Speed r/min	Efficiency			Power factor			N.M	LRT	BDT	LRA	Noise L.db (A)	Moment of Inertia	Weight kg
				100%	75%	50%	100%	75%	50%		RLT	RLT	RLA			
0.37	Y3.712-4	1.06	1400	69.3	71.0	68.4	0.76	0.65	0.52	2.54	2.1	2.2	5.2	5.2	0.0008	14.5
0.55	Y3.801-4	1.49	1390	72.8	72.6	69.0	0.75	0.66	0.55	3.78	2.4	2.3	5.2	5.8	0.0018	15
0.75	Y3.802-4	1.93	1390	74.4	74.2	70.0	0.74	0.65	0.54	5.15	2.4	2.3	6.0	58	0.0021	16
1.1	Y3.90S-4	2.75	1400	74.4	77.8	75.0	0.79	0.70	0.57	7.50	2.3	2.3	6.0	61	0.0023	23
1.5	Y3.90L-4	3.52	1400	78.5	78.1	76.7	0.81	0.75	0.64	10.23	2.3	2.3	6.0	61	0.0027	25
2.2	Y3.100L1-4	4.90	1420	82.5	83.0	81.1	0.82	0.76	0.65	14.80	2.3	2.3	7.0	64	0.0054	33
3	Y3.100L2-4	6.44	1420	82.6	83.2	81.6	0.86	0.78	0.66	20.18	2.3	2.3	7.0	64	0.0067	35
4	Y3.112M-4	8.36	1440	85.0	84.8	82.7	0.83	0.76	0.64	26.53	2.3	2.3	7.0	65	0.0095	41
5.5	Y3.132S-4	11.2	1440	86.7	86.8	85.6	0.87	0.81	0.71	36.48	2.3	2.3	7.0	71	0.0214	65
7.5	Y3.132M-4	14.8	1460	87.9	88.2	87.2	0.87	0.83	0.74	49.74	2.3	2.3	7.0	71	0.0296	76
11	Y3.160M-4	21.1	1460	89.2	89.2	87.8	0.85	0.83	0.75	71.59	2.2	2.3	7.0	75	0.0747	118
15	Y3.160L-4	28.6	1470	89.7	89.7	88.4	0.85	0.82	0.75	96.12	2.2	2.3	7.5	75	0.0918	132
18.5	Y3.180M-4	34.6	1470	90.7	90.6	89.2	0.89	0.86	0.77	120.19	2.2	2.3	7.5	76	0.139	164
22	Y3.180L-4	41	1480	91.6	91.7	90.7	0.88	0.85	0.75	142.93	2.2	2.3	7.5	76	0.158	182
30	Y3.200L-4	54.7	1480	92.6	92.4	91.6	0.87	0.84	0.75	160.96	2.2	2.3	7.2	79	0.262	245
37	Y3.225S-4	66.4	1480	92.8	92.7	91.5	0.87	0.84	0.75	198.51	2.2	2.3	7.2	81	0.406	258
45	Y3.225M-4	80.4	1480	93.4	93.3	92.5	0.89	0.87	0.81	290.37	2.2	2.3	7.2	81	0.469	290
55	Y3.250M-4	97.8	1480	94.0	94.2	93.6	0.89	0.88	0.82	354.90	2.2	2.3	7.2	83	0.66	388
75	Y3.280S-4	133	1480	94.0	93.5	92.0	0.91	0.89	0.84	483.95	2.2	2.3	7.2	8.6	1.12	5.10
90	Y3.280M-4	158.7	1485	94.0	93.5	91.8	0.88	0.86	0.80	578.79	2.2	2.3	7.2	86	1.46	606
110	Y3.315S-4	191	1485	94.4	93.5	91.4	0.88	0.87	0.81	707.41	2.1	2.2	6.9	93	3.11	910
132	Y3.315M-4	228	1485	94.8	94.8	93.3	0.91	0.88	0.82	848.89	2.1	2.2	6.9	93	3.62	1000
160	Y3.315L1-4	273	1485	95.0	94.5	93.5	0.88	0.85	0.78	1028.98	2.1	2.2	6.9	97	4.13	1055
200	Y3.315L2-4	341	1485	95.0	94.1	92.7	0.89	0.87	0.81	1286.20	2.1	2.2	6.9	97	4.73	1128
250	Y3.355M-4	421	1490	95.0	94.4	93.4	0.89	0.87	0.79	1602.35	2.1	2.2	6.9	101	6.5	1700
315	Y3.355L-4	528	1490	95.5	95.0	93.8	0.88	0.86	0.79	2018.96	2.1	2.2	6.9	101	8.2	1900



Speed 1000 rpm

380-420/220-240v Y/ Δ 50hz
 660-725/380-420v Y/ Δ 50hz
 Insulation class F, class B capability

Output kw	Type	Amps A	Speed r/min	Efficiency			Power factor			N.M	LRT	BDT	LRA	Noise L.db (A)	Moment of inertia	Weight kg
				100%	75%	50%	100%	75%	50%		RLT	RLT	RLA			
0.10	Y3. 711-6	0.7	900	57	57	53.1	0.66	0.60	0.52	1.91	1.9	2.0	4.0	52	0.0011	14
0.25	Y3. 712-12	0.9	900	60.0	59.9	55.2	0.68	0.60	0.53	2.65	1.9	2.0	4.0	52	0.0014	14.5
0.37	Y3. 801-6	1.24	900	66.5	67.7	64.2	0.70	0.62	0.49	3.93	1.9	2.0	4.7	54	0.0016	15
0.55	Y3. 802-6	1.7	900	68.2	68.4	64.1	0.66	0.59	0.47	5.84	1.9	2.1	4.7	54	0.0019	16
0.75	Y3. 90S-6	2.18	910	74.4	73.9	70.6	0.74	0.64	0.52	7.87	2.0	2.1	5.5	57	0.0029	19
1.1	Y3. 90L-6	3.03	910	75.2	74.7	72.1	0.75	0.66	0.53	11.54	2.0	2.1	5.5	57	0.0035	22
1.5	Y3. 100L-6	3.75	940	77.6	77.6	74.8	0.73	0.66	0.54	15.24	2.0	2.1	5.5	61	0.0069	32
2.2	Y3. 112M-6	5.32	940	79.9	79.9	76.7	0.75	0.66	0.52	22.35	2.1	2.1	6.5	65	0.014	41
3	Y3. 132S-6	7.03	960	84.5	84.6	82.0	0.77	0.71	0.57	29.84	2.1	2.1	6.5	69	0.0286	63
4	Y3.132M1-6	9.3	960	84.6	84.7	82.6	0.77	0.70	0.58	39.78	2.1	2.1	6.5	69	0.0357	72
5.5	Y3.132M2-6	12.2	960	85.7	86.0	84.4	0.81	0.76	0.64	54.71	2.1	2.1	6.5	69	0.0449	81
7.5	Y3. 160M-6	16.1	970	87.0	87.0	85.5	0.76	0.71	0.60	73.84	2.0	2.1	6.5	73	0.0081	118
11	Y3. 160L-6	22.9	970	89.0	89.5	89.0	0.78	0.73	0.70	108.30	2.0	2.1	6.5	73	0.116	145
15	Y3. 180L-6	30	970	89.1	89.1	87.8	0.84	0.79	0.67	147.68	2.1	2.1	7.0	73	0.207	178
18.5	Y3. 200L1-6	36.6	970	90.0	90.2	88.9	0.82	0.78	0.67	182.14	2.1	2.0	7.0	76	0.315	200
22	Y3. 200L2-6	42.4	970	90.1	90.1	88.6	0.83	0.78	0.71	216.60	2.1	2.0	7.0	76	0.36	228
30	Y3. 225M-6	56.3	980	91.8	91.5	90.2	0.88	0.79	0.79	292.35	2.0	2.0	7.0	76	0.547	265
37	Y3. 250M-6	67.4	980	92.8	92.8	91.8	0.86	0.86	0.76	360.56	2.1	2.0	7.0	78	0.843	370
45	Y3. 280S-6	81.7	980	93.0	92.5	91.5	0.87	0.83	0.77	438.52	2.1	2.0	7.0	80	1.39	490
55	Y3. 280M-6	99.8	980	93.0	92.5	91.5	0.88	0.85	0.78	535.97	2.1	2.0	7.0	80	1.65	540
75	Y3. 315S-6	134	980	94.0	93.5	92.0	0.88	0.85	0.78	730.87	2.0	2.0	7.0	85	4.11	900
90	Y3. 315M-6	161	985	94.0	93.5	92.0	0.86	0.85	0.78	872.59	2.0	2.0	6.7	85	4.78	980
110	Y3.315L1-6	196	985	94.3	93.9	92.5	0.86	0.84	0.77	1066.50	2.0	2.0	6.7	85	5.45	1045
132	Y3.315L2-6	232	985	94.7	94.2	93.0	0.87	0.84	0.77	1279.80	2.0	2.0	6.7	85	6.12	1100
160	Y3.355M1-6	277	990	94.9	94.2	93.0	0.87	0.87	0.82	1543.43	1.9	2.0	6.7	92	9.5	1550
200	Y3.355M2-6	347	990	94.9	94.5	93.7	0.89	0.87	0.83	1292.29	1.9	2.0	6.7	92	10.4	1600
250	Y3. 355L-6	432	990	95.0	95.0	94.0	0.88	0.86	0.80	2411.62	1.9	2.0	6.7	92	12.4	1700





Y3 - Series Three-Phase Induction Motor

Speed 750 rpm

380-420/220-240v Y/△ 50hz
 660-725/380-420v Y/△ 50hz
 Insulation class F, class B capability

Output kw	Type	Amps A	Speed r/min	Efficiency			Power factor			N.M	LRT	BDT	LRA	Noise L.db (A)	Moment of Inertia	Weight kg
				100%	75%	50%	100%	75%	50%		RLT	RLT	RLA			
0.18	Y3. 801-8	0.84	690	52	49.5	44.0	0.61	0.56	0.44	2.49	1.8	1.9	3.3	52	0.025	16
0.25	Y3. 802-8	1.09	690	54.6	51.6	46.0	0.61	0.56	0.45	3.46	1.8	1.9	3.3	52	0.003	18
0.37	Y3. 90S-8	1.42	690	62.8	62.2	54.0	0.61	0.57	0.46	5.12	1.8	1.9	4.0	56	0.0051	22
0.55	Y3. 90L-8	2.06	690	63.5	61.6	56.5	0.61	0.59	0.46	7.61	1.8	2.0	4.0	56	0.0065	24
0.75	Y3. 100L1-8	2.27	700	72.1	71.8	64.0	0.67	0.60	0.47	10.23	1.8	2.0	4.0	59	0.009	30
1.1	Y3. 100L2-8	3.21	700	72.1	70.5	64.7	0.62	0.54	0.42	15.00	1.8	2.0	5.0	59	0.011	32
1.5	Y3. 112M-8	4.28	700	77.2	77.3	74.5	0.69	0.60	0.48	20.46	1.8	2.0	5.0	61	0.0245	40
2.2	Y3. 132S-8	5.7	710	81.9	82.2	79.7	0.73	0.66	0.52	29.59	1.8	2.0	6.0	64	0.0314	64
3	Y3. 132M-8	7.53	710	83.0	83.4	81.5	0.75	0.67	0.54	40.35	1.8	2.0	6.0	64	0.0395	78
4	Y3. 160M1-8	9.8	720	86.0	85.8	84.1	0.74	0.64	0.52	53.06	1.9	2.0	6.0	68	0.0753	105
5.5	Y3. 160M2-8	12.9	720	86.6	87.3	86.3	0.77	0.71	0.59	72.59	2.0	2.0	6.0	68	0.0931	115
7.5	Y3. 160L-8	16.9	720	87.2	88.1	87.8	0.79	0.74	0.63	99.50	2.0	2.0	6.0	68	0.126	145
11	Y3. 180L-8	23.8	730	87.8	87.9	86.4	0.77	0.70	0.57	143.90	2.0	2.0	6.0	70	0.203	160
15	Y3. 200L-8	32.4	730	88.2	88.7	87.9	0.77	0.70	0.57	196.23	2.0	2.0	6.6	73	0.339	228
18.5	Y3. 225S-8	39	730	91.3	91.5	90.6	0.76	0.72	0.61	242.02	1.9	2.0	6.6	73	0.491	242
22	Y3. 225M-8	45	730	90.0	90.7	90.1	0.78	0.75	0.66	287.81	1.9	2.0	6.6	73	0.547	265
30	Y3. 250M-8	60.8	730	92.4	92.3	91.3	0.81	0.76	0.66	382.47	1.9	2.0	6.6	75	0.834	368
37	Y3. 280S-8	74	730	92.5	92.4	91.1	0.78	0.73	0.63	484.04	1.9	2.0	6.6	76	1.93	472
45	Y3. 280M-8	89.3	740	92.6	92.6	91.5	0.78	0.73	0.63	580.74	1.8	2.0	6.6	76	1.65	538
55	Y3. 315S-8	105	740	93.0	93.0	91.5	0.82	0.76	0.66	709.80	1.8	2.0	6.6	82	4.79	900
75	Y3. 315M-8	143	740	93.5	93.5	92.0	0.82	0.78	0.67	967.91	1.8	2.0	6.6	82	5.58	1000
90	Y3. 315L1-8	169	740	93.7	93.5	92.0	0.82	0.78	0.67	1161.49	1.8	2.0	6.6	82	6.37	1055
110	Y3. 315L2-8	206	740	94.1	94.5	92.0	0.83	0.80	0.76	1419.60	1.8	2.0	6.4	82	7.23	1118
132	Y3. 355M1-8	248	745	94.7	94.4	93.1	0.82	0.79	0.71	1692.08	1.8	2.0	6.4	90	7.9	2000
160	Y3. 355M2-8	299	745	94.7	94.7	94.4	0.85	0.84	0.82	2051.08	1.8	2.0	6.4	90	10.3	2150
200	Y3. 355L-8	369	745	94.8	94.2	92.2	0.84	0.83	0.80	2563.38	1.8	2.0	6.4	90	12.3	2250

Speed 600 rpm

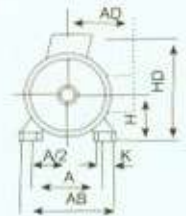
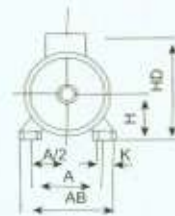
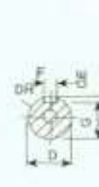
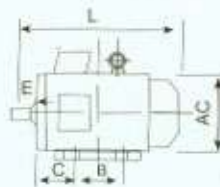
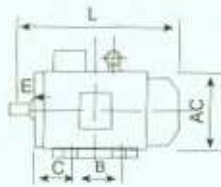
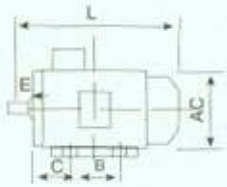
380-420/220-240v Y/△ 50hz
 660-725/380-420v Y/△ 50hz
 Insulation class F, class B capability

45	Y3. 315S-10	99.6	590		91.5			0.75		728.39	1.5	2.0	6.2	82		818
55	Y3. 315M-10	121.1	590		92.0			0.75		890.25	1.5	2.0	6.2	82		928
75	Y3. 315L1-10	162.1	590		92.5			0.76		1213.99	1.5	2.0	6.2	82		1080
90	Y3. 315L2-10	191.0	590		93.0			0.77		1456.78	1.5	2.0	6.2	82		1200
110	Y3. 355M1-10	219	595		93.2			0.78		1765.55	1.3	2.0	6.0	90		1800
132	Y3. 355M2-10	261	595		93.5			0.78		2118.66	1.3	2.0	6.0	90		2000
160	Y3. 355L-10	317	595		93.5			0.78		2568.07	1.3	2.0	6.0	90		2500



Y3 - Series Three-Phase Induction Motor

Frame with feet and endshield without flange



H63-90

H100-132

H160-355

H63-32

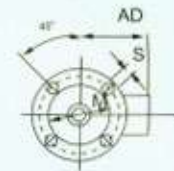
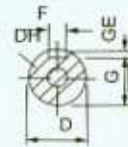
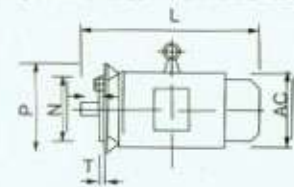
H160-355

Frame size	poles	mounting dimensions										overall dimensions					
		A	A/2	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L	DH
63	2, 4	100	50	80	40	11	23	4	8.5	63	7	135	130	70	180	230	M4X12
71	2, 4, 6	112	56	90	45	14	30	5	11	71		150	145	80	195	255	M5X12
80	2, 4, 6, 8	125	62.5	100	50	19	40	6	15.5	80	10	165	175	145	220	295	M6X16
90S		140	70	100	56	24	50	8	20	90	10	180	195	155	250	320	M8X19
90L				125													
100L		160	80	140	63	28	60	24	100	12	12	205	215	180	270	385	M10X22
112M		190	95	140	70												
132S		216	108	140	89	38	80	10	33	132	15	270	272	210	345	470	M12X28
132M				178													
160M		254	127	210	108	42	110	12	37	160	15	320	330	255	422	615	M16X36
160L				254													
180M		279	139.5	241	121	48	110	14	42.5	180	15	355	380	280	458	700	M16X36
180L				279													
200L		318	159	305	133	55	110	16	49	200	19	295	420	305	525	770	M20X42
225S	4, 8		286		60	140										18	53
225M	2	356	178	311	149	55	110	16	49						820	M20X42	
	4, 6, 8					60	110	18	53	225	19	435	470	355	574	845	M20X42
250M	2	406	203	349	168	60											
	4, 6, 8					65	110	18	85	250	19	490	510	370	635	910	M20X42
280S	2	457	228.5	368	190	75										140	20
	4, 6, 8								65		18	58					
280M	2			419		75		20	67.5	280	24	550	580	410	693	1035	M20X42
	4, 6, 8					75		20	67.5								
315S	2	508	254	406	216	65	110	18	58	315	28	635	645	530	810	1160	M20X42
	4, 6, 8, 10															80	
315M	2			457		65		140	18	58	315	635	645	530	810	1190	M20X42
	4, 6, 8, 10					80	170	22	71								
315L	2			508		65		140	18	58	315	635	645	530	810	1190	M20X42
	4, 6, 8, 10					80	170	22	71								
355M	2	610	305	560	254	75	140	20	67.5	355	28	730	710	655		1500	M20X42
	4, 6, 8, 10								95							170	
355L	2			630		75	140	20	67.5	355	28	730	710	655		1500	M20X42
	4, 6, 8, 10					95	170	25	86								

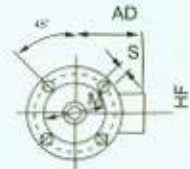
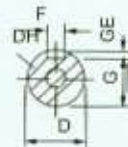
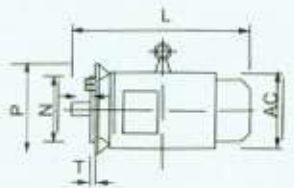
Note: R is the distance from the flange mounting-plane to the shaft-extension shoulder.



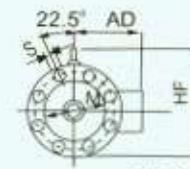
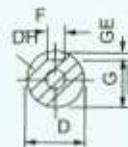
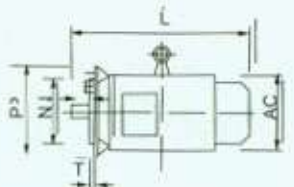
Frame without feet and end shield with flange(with plain holes)



H63-90



H100-200



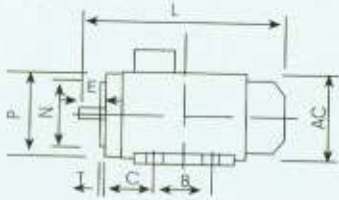
H225-280

Frame size	Flange No	poles	mounting dimensions										overall dimensions											
			D	E	F	G	M	N	P	R*	S	T	Flange holes	AC	AD	HF	L	DH						
63	FF115	2, 4	11	23	4	8.5	115	95	140	0	10	3	4	130	70	130	230	M4X12						
71	FF130	2, 4, 6	14	30	5	11	130	110	160					12	3.5	145	80	145	255	M5X12				
80	FF165	2.4.6.8	19	40	6	15.5	165	130	200							15	4	175	145	185	295	M6X16		
90S			24	50	8	20					195	155						195	320	M8X19				
90L			FF215	28							60	24		215	180			250	345	M8X19				
100L	FF265	2.4.6.8			38	80	10	33	265							230	300		19	15	215	180	245	385
112M			240	190							265	400		M10X22										
132S			275	210							315	470		M12X28										
132M	FF300	2.4.6.8	42	110	12	37	300	250	350		0	19		15	8	510	M12X28							
160M																330	255	385	615	M16X36				
160L																48	14	42.5	350	300	400	670	M16X36	
180M																						700	M16X36	
180L	FF350	2.4.6.8	55	16	49	350	300	400	0	19	15	8	740	M16X36										
200L													420	305	480	770	M20X42							
225S													FF400	4, 8	60	140	18	53	400	350	450	0	19	15
225M	2	55	110	16	49	820	M20X42																	
250M	4.6.8	60	18	53	500	450	550	0	19	15	8	845		M20X42										
	2											65	58	510	370	595	910	M20X42						
	4.6.8													2	65	18	58	1035	M20X42					
280S	FF500	4.6.8	75	20	67.5	500	450	550	0	19	15	8	580	410	650	985	M20X42							
280M		2											65	18	58	500	450	550	0	19	15	8	1035	M20X42
		4.6.8																					2	75

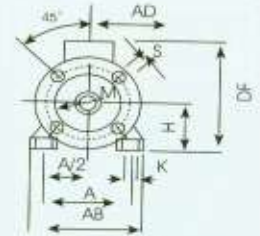
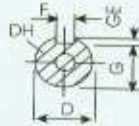
Note: R is the distance from the flange mounting-plane to the shaft-extension shoulder.



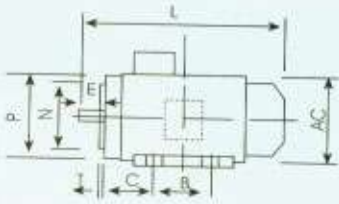
Frame with feet and shield
with flange(with thread holes)



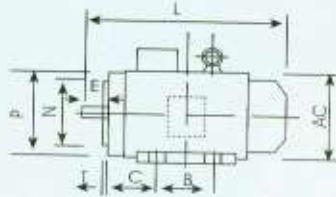
H63-71



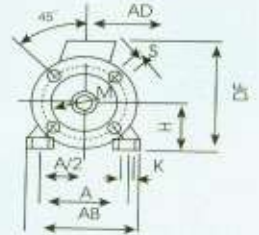
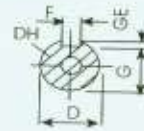
H63-200



H63-71



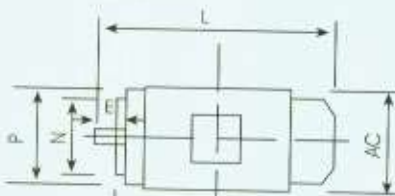
H63-71



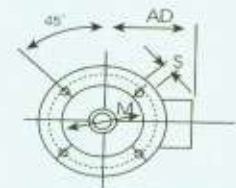
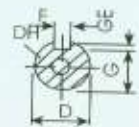
H63-200

Frame size	Flange No.	poles	mounting dimensions														overall dimensions								
			A	A/2	B	C	D	E	F	G	H	K	M	N	P	R*	S	T	Flange holes	AB	AC	AD	HD	L	DH
63	FT75	2.4	110	50	80	40	11	23	4	8.5	63	7	75	60	90	0	M5	2.5	4	135	130	70	180	230	M4X12
71	FT85	2.4.6	112	56	90	45	14	30	5	11	71		85	70	105		M6			150	155	80	195	255	M5X12
80	FT100	2.4.6.8.	125	62.5	100	50	19	40	6	15.5	80		100	80	120		M8			165	165	145	214	295	M6X16
90S	FT215		140	70	100	56	24	50	8	20	90	10	115	95	140	3.0	180	195	155	250	320	M8X19			
90L			125	56	24	50	115	95					140	320	M8X19										
100L	FT130	160	80	140	63	28	60	24	100	12	130	110	150	3.5	205	215	180	270	385	M10X22					
112M		190	95	140	70	28	60	24	112		130	110	150		230	240	190	300	400	M10X22					

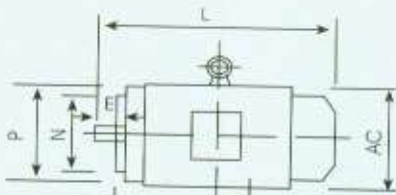
Note: R is the distance from the flange mounting-plane to the shaft-extension shoulder.



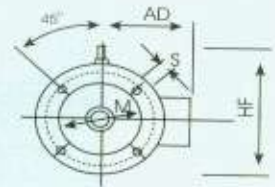
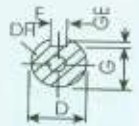
H63-90



H63-90



H100-12



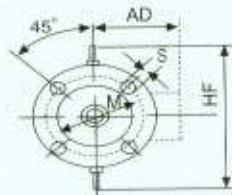
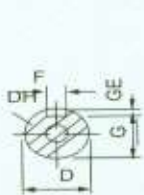
H100-200

Note: R is the distance from the flange mounting-plane to the shaft-extension shoulder.

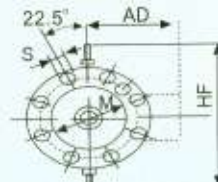


Frame without feet and end shield
with flange(with thread holes)

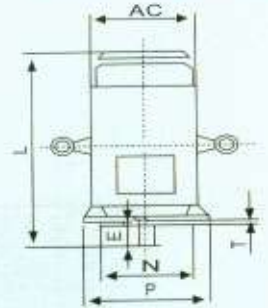
Frame size	Flange No	poles	mounting dimensions										overall dimensions					
			D	E	F	G	M	N	P	R*	S	T	Flange holes	AC	AD	HF	L	DH
63	FT75	2. 4	11	23	4	8.5	75	60	90	0	M5	2.5	4	130	70	130	230	M4X12
71	FT85	2. 4. 6	14	30	5	11	85	70	105		M6			145	80	145	255	M5X12
80	FT100	2. 4. 6. 8	19	40	6	15.5	100	80	120		M6	3.0		175	145	105	295	M6X16
90S	FT215		24	50	8	20	115	95	140		M8			195	155	195	320	M8X19
90L			24	50		20	115	95	140		M8	345		M8X19				
100L	FT130	28	60	24	130	110	160	M8	3.5		215	180		245	385	M10X22		
112M		28	60	24	130	110	160	M8		240	190	365	400	M10X22				



H180-200



H225-355



Vertical type, Frame without feet and end shield with flange (with plain holes)

Frame size	Flange No	poles	mounting dimensions										overall dimensions									
			D	E	F	G	M	N	P	R*	S	T	Flange holes	AC	AD	HF	L	DH				
180M	FF300	2. 4. 6. 8	48	110	14	42.5	300	250	350	0	19	5	4	380	280	500	760	M16X36				
180L					16	49	350	300	400								800	M16X36				
200L					16	49	350	300	400								905	M20X42				
225S	FF400	4. 8	60	140	18	53	400	350	450	0	19	5	4	470	335	610	910	M20X42				
225M		2	55	110	16	49											935	M20X42				
250M	FF500	2	60	140	18	53	500	450	550	0	19	5	4	510	370	650	1015	M20X42				
280S		4. 6. 8															65	58	1110	M20X42		
280M		2															65	58	1150	M20X42		
315S	FF600	2	65	140	18	58	600	550	660	0	24	6	8	645	530	900	1280	M20X42				
315M		4. 6. 8. 10															80	170	22	71	1310	M20X42
315L		2															65	140	18	58	1430	M20X42
355M	FF740	2	75	140	20	67.5	740	680	800	0	24	6	8	710	655	1010	1640	M20X42				
355L		4. 6. 8. 10	95	170	25	86											1670	M20X42				
355L		2	75	140	20	67.5											1670	M20X42				

Note: R is the distance from the flange mounting-plane to the shaft-extension shoulder.



Y3A series

ALUMINIUM CASHING



Technical Data

2 POLE. 3000RPM SYNCHRONOUS SPEED 50Hz

TYPE	OUTPUT		SPEED r / min	IFL			EFFICIENCY			POWER FACTOR			TFL Nm	IST IFL	TST TFL	TM IFL	NOISE LEVEL dB(A)	WEIGHT (kg)
	HP	kw		380V (AMPS)	380V (AMPS)	400V (AMPS)	100%FL	75%FL	50%FL	100%FL	75%FL	50%FL						
Y3A561 - 2	0.12	0.09	2800	0.3	0.3	0.3	62.0	61.0	57.0	0.77	0.71	0.64	0.31	5.2	2.1	2.2	60	3.5
Y3A562 - 2	0.18	0.12	2800	0.4	0.3	0.3	64.0	63.5	59.0	0.78	0.73	0.65	0.41	5.2	2.1	2.2	60	3.6
Y3A631 - 2	0.25	0.18	2800	0.5	0.5	0.5	66.0	64.0	60.0	0.80	0.73	0.66	0.61	5.5	2.2	2.3	61	4.5
Y3A632 - 2	0.37	0.25	2800	0.7	0.6	0.6	69.0	68.5	66.0	0.81	0.74	0.67	0.96	5.5	2.2	2.3	61	4.7
Y3A711 - 2	0.5	0.37	2800	1.0	0.9	0.9	71.0	71.0	68.5	0.81	0.75	0.66	1.26	6.1	2.2	2.3	64	6
Y3A712 - 2	0.75	0.55	2800	1.4	1.3	1.3	74.0	73.0	69.5	0.82	0.76	0.69	1.88	6.1	2.2	2.3	64	6.3
Y3A801 - 2	1	0.75	2825	1.8	1.7	1.6	76.0	75.0	70.0	0.83	0.79	0.70	2.54	6.1	2.2	2.3	67	10
Y3A802 - 2	1.5	1.1	2825	2.5	2.4	2.3	78.0	77.6	75.5	0.84	0.79	0.70	3.72	7.0	2.2	2.3	67	11
Y3A90S - 2	2	1.5	2840	3.4	3.2	3.1	79.2	79.0	77.0	0.84	0.80	0.72	5.04	7.0	2.2	2.3	72	13
Y3A90L - 2	3	2.2	2840	4.8	4.6	4.4	81.5	82.0	80.0	0.85	0.81	0.72	7.40	7.0	2.2	2.3	72	14
Y3A100L - 2	4	3	2880	6.2	5.9	5.7	83.5	83.5	82.5	0.88	0.84	0.74	9.95	7.5	2.2	2.3	76	25
Y3A112M - 2	5.5	4	2890	8.1	7.7	7.4	85.5	85.1	84.4	0.88	0.84	0.76	13.22	7.5	2.2	2.3	77	28
Y3A132S1 - 2	7.5	5.5	2900	10.8	10.3	9.9	86.5	86.0	83.6	0.89	0.85	0.78	18.11	7.5	2.2	2.3	80	40
Y3A132S2 - 2	10	7.5	2900	14.7	14.0	13.5	87.1	86.5	84.3	0.89	0.85	0.78	24.70	7.5	2.2	2.3	80	45
Y3A160M1 - 2	15	11	2930	20.9	19.9	19.2	88.7	88.2	87.4	0.90	0.86	0.79	35.85	7.5	2.2	2.3	86	69
Y3A160M2 - 2	20	15	2930	28.3	26.9	25.9	89.5	89.8	89.3	0.90	0.87	0.80	48.89	7.5	2.2	2.3	86	78
Y3A160L - 2	25	18.5	2930	34.1	32.4	31.2	90.5	90.6	89.6	0.91	0.87	0.80	60.30	7.5	2.2	2.3	86	90

Technical Data

4 POLE. 1500RPM SYNCHRONOUS SPEED 50Hz

TYPE	OUTPUT		SPEED r / min	IFL			EFFICIENCY			POWER FACTOR			TFL Nm	IST IFL	TST TFL	TM IFL	NOISE LEVEL dB(A)	WEIGHT (kg)
	HP	kw		380V (AMPS)	380V (AMPS)	400V (AMPS)	100%FL	75%FL	50%FL	100%FL	75%FL	50%FL						
Y3A561 - 4	0.09	0.06	1340	0.2	0.2	0.2	56.0	56.6	52.0	0.69	0.61	0.54	0.43	4.0	2.0	2.1	52	3.5
Y3A562 - 4	0.12	0.09	1340	0.3	0.3	0.3	58.0	58.2	54.5	0.70	0.61	0.55	0.64	4.0	2.0	2.1	52	3.6
Y3A631 - 4	0.18	0.12	1360	0.4	0.4	0.4	59.0	59.0	56.0	0.72	0.63	0.57	0.84	4.4	2.1	2.2	52	4.5
Y3A632 - 4	0.25	0.18	1360	0.6	0.6	0.5	62.0	61.6	57.5	0.73	0.65	0.57	1.26	4.4	2.1	2.2	52	4.7
Y3A711 - 4	0.37	0.25	1380	0.8	0.7	0.7	67.3	66.5	60.1	0.74	0.65	0.58	1.73	5.2	2.1	2.2	55	6
Y3A712 - 4	0.5	0.37	1380	1.1	1.0	1.0	70.0	69.0	62.0	0.75	0.67	0.60	2.56	5.2	2.1	2.2	55	6.3
Y3A801 - 4	0.75	0.55	1400	1.5	1.5	1.4	71.8	72.1	69.2	0.75	0.68	0.61	3.75	5.2	2.3	2.3	58	10
Y3A802 - 4	1	0.75	1400	2.0	1.9	1.8	73.5	73.5	69.7	0.77	0.68	0.62	5.11	6.0	2.3	2.3	58	11
Y3A90S - 4	1.5	1.1	1400	2.8	2.7	2.6	76.5	77.1	75.6	0.78	0.70	0.62	7.50	6.0	2.3	2.3	61	13
Y3A90L - 4	2	1.5	1400	3.7	3.5	3.4	78.6	79.2	78.8	0.79	0.71	0.64	10.23	6.0	2.3	2.3	61	14
Y3A100L - 4	3	2.2	1420	5.0	4.7	4.5	82.0	81.6	80.2	0.82	0.74	0.66	14.80	7.0	2.3	2.3	64	23
Y3A100L2 - 4	4	3	1420	6.6	6.3	6.1	83.0	83.6	83.4	0.83	0.76	0.66	20.18	7.0	2.3	2.3	64	25
Y3A112M - 4	5.5	4	1440	8.6	8.2	7.9	85.1	84.9	83.4	0.83	0.77	0.66	26.53	7.0	2.3	2.3	65	28
Y3A132S - 4	7.5	5.5	1440	11.5	10.9	10.5	86.6	86.1	85.5	0.84	0.79	0.71	36.48	7.0	2.3	2.3	71	45
Y3A132M - 4	10	7.5	1440	15.3	14.5	14.0	87.6	87.6	87.1	0.85	0.81	0.71	49.74	7.0	2.3	2.3	71	55
Y3A160M - 4	15	11	1460	22.2	21.1	20.3	88.5	87.5	84.2	0.85	0.81	0.74	71.59	7.0	2.3	2.3	75	78
Y3A160L - 4	20	15	1460	29.8	28.3	27.3	89.9	89.2	88.7	0.85	0.82	0.75	98.12	7.0	2.3	2.3	75	90

IFL=Full Load Current, IST=Locked Rotor Current, TST=Locked Rotor Torque, TM=Maximum Torque, TFL=Full Load Torque





Y3A - Series Three-Phase Induction Motor

Technical Data

6 POLE. 1000RPM SYNCHRONOUS SPEED 50Hz

TYPE	OUTPUT		SPEED r / min	IFL			EFFICIENCY			POWER FACTOR			TFL Nm	IST IFL	TST TFL	TM IFL	NOISE LEVEL d(BA)	WEIGHT (kg)
	HP	kw		380V (AMPS)	380V (AMPS)	400V (AMPS)	100%FL	75%FL	50%FL	100%FL	75%FL	50%FL						
Y3A 711-6	0.25	0.18	900	0.7	0.7	0.7	57.0	57.0	53.1	0.66	0.60	0.52	1.91	4.0	1.9	2.0	52	6
Y3A 712-6	0.37	0.25	900	0.9	0.9	0.8	60.0	59.9	55.2	0.68	0.60	0.53	2.65	4.0	1.9	2.0	52	6.3
Y3A 801-6	0.5	0.37	900	1.3	1.2	1.2	63.0	63.0	55.0	0.70	0.62	0.53	3.93	4.7	1.9	2.0	54	10
Y3A 802-6	0.75	0.55	900	1.8	1.7	1.6	66.0	66.5	64.2	0.72	0.62	0.53	5.84	4.7	1.9	2.1	54	11
Y3A 904-6	1	0.75	910	2.3	2.1	2.1	70.0	70.5	65.0	0.72	0.62	0.53	7.87	5.5	2.0	2.1	57	13
Y3A 90L-6	1.5	1.1	910	3.1	3.0	2.9	73.3	74.0	70.5	0.73	0.64	0.53	11.54	5.5	2.0	2.1	57	14
Y3A 100L-6	2	1.5	940	3.9	3.7	3.5	77.5	77.0	75.1	0.76	0.69	0.57	15.24	5.5	2.0	2.1	61	23
Y3A 112M-6	3	2.2	940	5.5	5.2	5.0	80.0	79.5	77.7	0.76	0.71	0.59	22.35	6.5	2.1	2.1	65	25
Y3A 132S-6	4	3	960	7.2	6.8	6.6	82.1	82.0	78.0	0.77	0.72	0.59	29.84	6.5	2.1	2.1	69	28
Y3A 132M1-6	5.5	4	960	9.5	9.0	8.7	83.0	82.8	80.6	0.77	0.72	0.62	39.79	8.5	2.1	2.1	69	45
Y3A 132M2-6	7.5	5.5	960	12.5	11.9	11.5	85.4	85.0	82.7	0.78	0.73	0.64	54.71	6.5	2.1	2.1	69	55
Y3A 160M-6	10	7.5	970	16.8	16.0	15.4	87.0	87.0	86.5	0.78	0.76	0.64	73.84	6.5	2.1	2.1	73	78
Y3A 160L-6	15	11	970	23.7	22.5	21.7	88.3	89.0	88.0	0.80	0.77	0.64	108.30	6.5	2.1	2.1	73	90

Technical Data

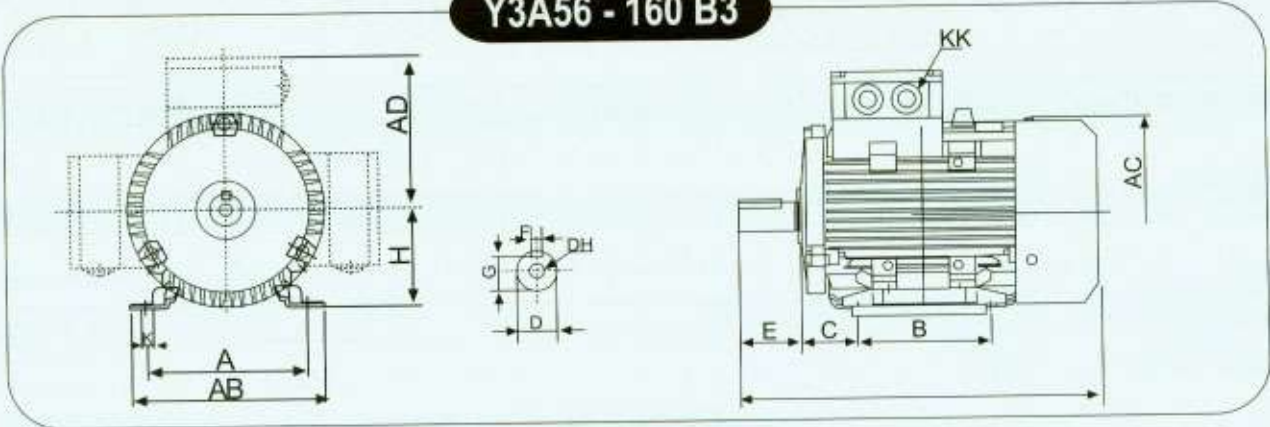
8 POLE. 750RPM SYNCHRONOUS SPEED 50Hz

TYPE	OUTPUT		SPEED r / min	IFL			EFFICIENCY			POWER FACTOR			TFL Nm	IST IFL	TST TFL	TM IFL	NOISE LEVEL d(BA)	WEIGHT (kg)
	HP	kw		380V (AMPS)	380V (AMPS)	400V (AMPS)	100%FL	75%FL	50%FL	100%FL	75%FL	50%FL						
Y3A 801-8	0.25	0.18	690	0.9	0.8	0.8	52.0	49.5	44.0	0.61	0.56	0.44	2.49	3.3	1.8	1.9	52	10
Y3A 802-8	0.37	0.25	690	1.1	1.1	1.0	54.6	51.6	46.0	0.61	0.56	0.45	3.46	3.3	1.8	1.9	52	11
Y3A 90S-8	0.4	0.37	690	1.5	1.4	1.3	62.8	62.2	54.0	0.61	0.57	0.46	5.12	4.0	1.8	1.9	56	13
Y3A 90L-8	0.75	0.55	690	2.2	2.0	2.0	63.5	61.6	56.5	0.61	0.59	0.46	7.61	4.0	1.8	2.0	56	14
Y3A 100L1-8	1	0.75	700	2.4	2.2	2.2	72.1	71.8	64.0	0.67	0.60	0.47	10.23	4.0	1.8	2.0	59	23
Y3A 100L2-8	1.5	1.1	700	3.3	3.1	3.0	74.0	74.5	68.0	0.69	0.62	0.47	15.00	5.0	1.8	2.0	59	25
Y3A 112M-8	2	1.5	700	4.3	4.1	4.0	76.0	77.0	74.5	0.69	0.62	0.46	20.46	5.0	1.8	2.0	61	28
Y3A 132S-8	3	2.2	710	5.9	5.6	5.4	79.0	79.2	77.2	0.72	0.63	0.5	29.59	6.0	1.8	2.0	64	45
Y3A 132M-8	4	3	710	7.7	7.3	7.1	79.9	81.0	80.0	0.74	0.66	0.54	40.35	6.0	1.8	2.0	64	55
Y3A 160M1-8	5.5	4	720	10.0	9.5	9.2	82.0	82.0	80.6	0.74	0.66	0.56	53.06	6.0	1.9	2.0	68	69
Y3A 160M2-8	7.5	5.5	720	13.3	12.6	12.1	84.0	84.0	83.0	0.75	0.68	0.56	72.59	6.0	2.0	2.0	68	78
Y3A 160L-8	10	7.5	720	17.6	16.8	16.2	86.1	87.0	85.9	0.75	0.69	0.56	99.50	6.0	2.0	2.0	68	90

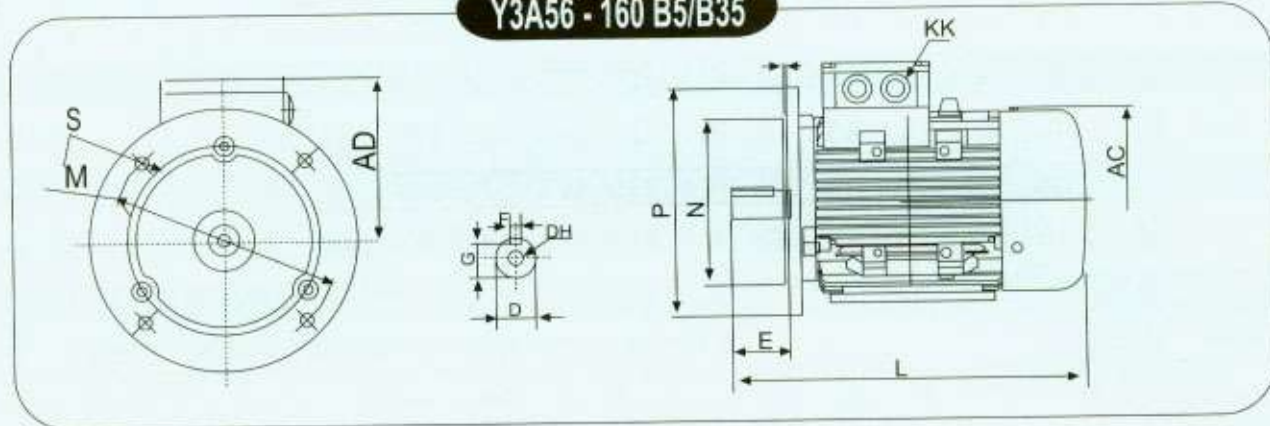
IFL=Full Load Current . IST=Locked Rotor Current . TST=Locked Rotor Torque . TM=Maximum Torque . TFL=Full Load Torque



Y3A56 - 160 B3



Y3A56 - 160 B5/B35

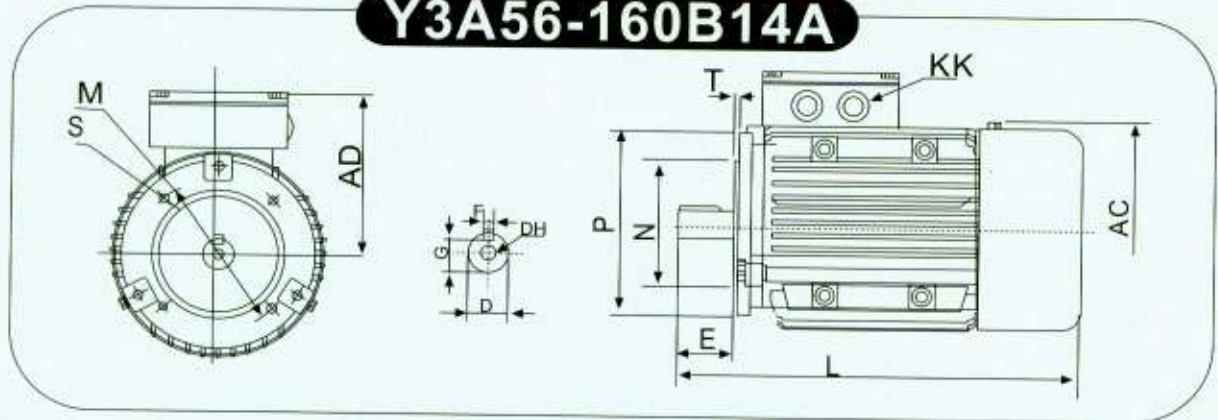


Y3A56-160 B3 . B5/B35

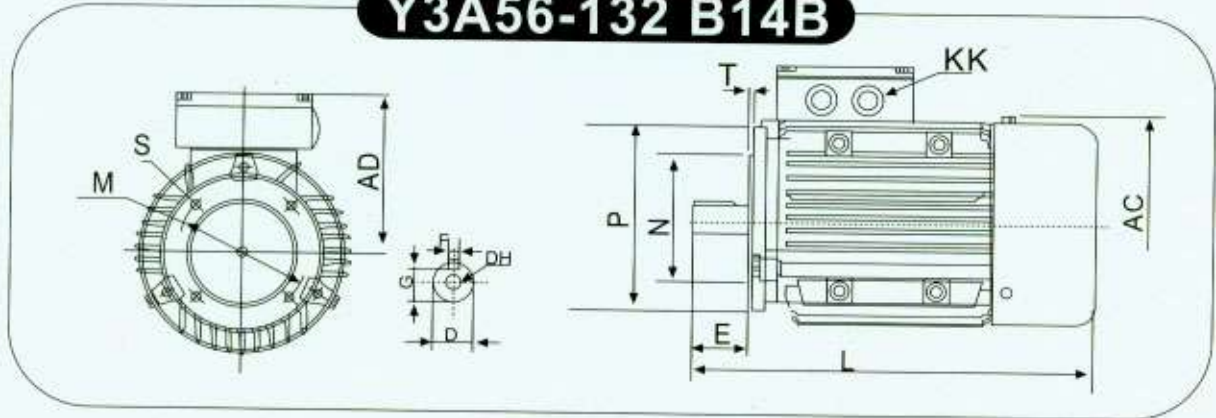
Frame	A	AB	AC	AD	B	C	D	DH	E	F	G	H	K	KK		L	M	N	P	S	T
														METRIC	PG						
Y3A 56	90	115	110	100	71	36	9	M4X12	20	3	7.2	56	5.8	1-M20X1.5	1-PG11	170	100	80	120	7	3
Y3A 63	100	135	130	115	80	40	11	M4X12	23	4	8.5	63	7	1-M20X1.5	1-PG11		115	95	140	10	3
Y3A 71	112	150	145	120	90	45	14	M5X12	30	5	11	71	7	1-M20X1.5	1-PG11	250	130	110	160	10	3.5
Y3A 80	125	165	175	145	100	50	19	M6X16	40	6	15.5	80	10	1-M25X1.5	1-PG16		165	130	200	12	3.5
Y3A 90S	140	180	195	155	100	56	24	M8X19	50	8	20	90	10	1-M25X1.5	1-PG16	315	165	130	200	12	3.5
Y3A 90 L	140	180	195	155	125	56	24	M8X19	50	8	20	90	10	1-M25X1.5	1-PG16		165	130	200	12	3.5
Y3A 100L	160	205	215	180	140	63	28	M10X22	60	8	24	100	12	1-M32X1.5	1-PG21	385	215	180	250	15	4
Y3A 112 M	190	230	240	190	140	70	28	M10X22	60	8	24	112	12	2-M32X1.5	2-PG21		215	180	250	15	4
Y3A 132S	216	270	275	210	140	89	38	M12X28	80	10	33	132	12	2-M32X1.5	2-PG21	470	265	230	300	15	4
Y3A 132 M	216	270	275	210	178	89	38	M12X28	80	10	33	132	12	2-M32X1.5	2-PG21		265	230	300	15	4
Y3A 160M	254	320	330	255	210	108	42	M16X36	110	12	37	160	15	2-M40X1.5	2-PG29	615	300	250	350	19	5
Y3A 160 L	254	320	330	255	254	108	42	M16X36	110	12	37	160	15	2-M40X1.5	2-PG29		300	250	350	19	5



Y3A56-160B14A



Y3A56-132 B14B



Y3A56-160 B14A . B14B

Frame	AC	AD	D	DH	E	F	G	METRIC	KK	PG	L	B14A					B14B				
												M	N	P	S	T	M	N	P	S	T
Y3A 56	110	100	9	M4X12	20	3	7.2	1-M20X1.5	1-PG 11		170	65	50	80	M5	2.5	85	70	105	M6	2.5
Y3A 63	130	115	11	M4X12	23	4	8.5	1-M20X1.5	1-PG 11		225	75	60	90	M5	2.5	85	70	105	M6	2.5
Y3A 71	145	120	14	M5X12	30	5	11	1-M20X1.5	1-PG 11		250	85	70	105	M6	2.5	115	95	140	M8	3
Y3A 80	175	145	19	M6X12	40	6	15.5	1-M25X1.5	1-PG 16		295	100	80	120	M6	3	130	110	160	M8	3.5
Y3A 90S	195	155	24	M8X19	50	8	20	1-M25X1.5	1-PG 16		315	115	95	140	M8	3	130	110	160	M8	3.5
Y3A 90L	195	155	24	M8X19	50	8	20	1-M25X1.5	1-PG 16		340	115	95	140	M8	3	130	110	160	M8	3.5
Y3A 100L	215	180	28	M10X22	60	8	24	1-M32X1.5	1-PG 21		385	130	110	160	M8	3.5	165	130	200	M10	3.5
Y3A 112M	240	190	28	M10X22	60	8	24	2-M32X1.5	2-PG 21		400	130	110	160	M8	3.5	165	130	200	M10	3.5
Y3A 132S	272	210	38	M12X28	80	10	33	2-M32X1.5	2-PG 21		470	165	130	200	M10	3.5	215	180	250	M12	4
Y3A 132M	272	210	38	M12X28	80	10	33	2-M32X1.5	2-PG 21		510	166	130	200	M10	3.5	215	180	250	M12	4
Y3A 160M	330	255	42	M16X36	110	12	37	2-M40X1.5	2-PG 29		615	215	180	250	M12	4					
Y3A 160L	330	255	42	M16X36	110	12	37	2-M40X1.5	2-PG 29		670	215	180	250	M12	4					



