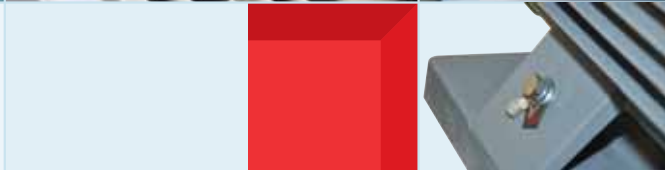


AC Motors

 **elektromer**



 **dynamik motor**

EC DECLARATION OF CONFORMITY

THE MANUFACTURER ELEKTROMER
Dinamik Motor Redüktör San. Tic. A.Ş
Eminel Sanayi Sitesi 26. Cad.668 Sok. No:26
Ostim / Ankara

hereby declares that

THE PRODUCTS 56-355 Frame Three-Phase Induction Motors
56-112 Frame Single-Phase Induction Motors

complies with the requirements of the following harmonised standards:

IEC 60072-1, EN 60034-1, EN 60204-1, EN 61000-3-2, EN 61000-3-3

which give presumption of conformity with essential requirements of
LOW VOLTAGE DIRECTIVE 2006/95/EC and **73/23/EEC**, amended by **93/68/EEC** and
EMC DIRECTIVE 2004/108/EC, **89/336**, amended by **92/31/EEC** and **93/68/EEC**

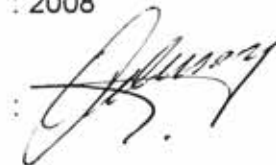
ADDITIONAL INFORMATION

By design, the motors, considered as components, comply with the requirements of **Machinery Directive 98/37/EC**, provided that the motors are installed, operated and maintained in accordance with our instructions.

The motors above must not be put into service until the relevant machinery into which they have been incorporated has been declared in conformity with the provisions of Machinery Directive

Years of CE marking : 2008

Sign

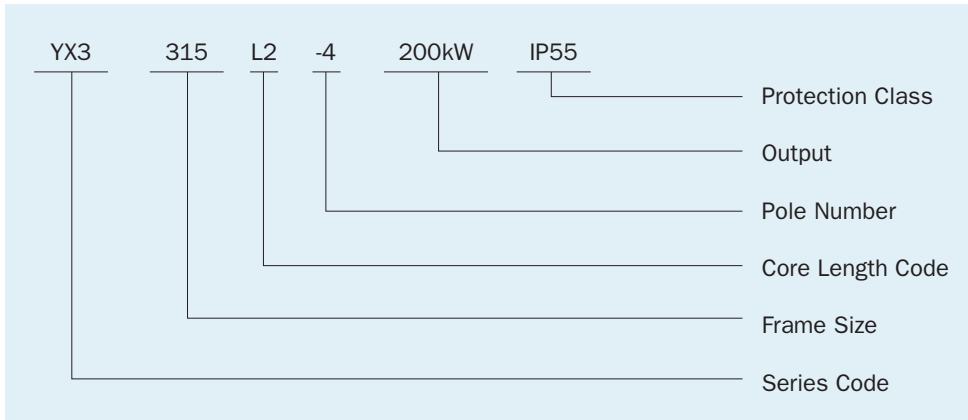


Signed by : M.Sc.Elec.Eng.OSMAN ULUSOY

Position : Technical Director

Date : 26.09.2008

Meaning of type code



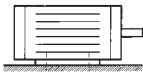
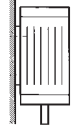



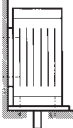
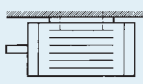

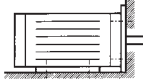
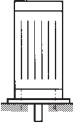
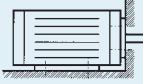
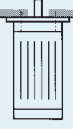

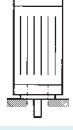


Standards and Equivalents

The electric motors are manufactured according to international standards:

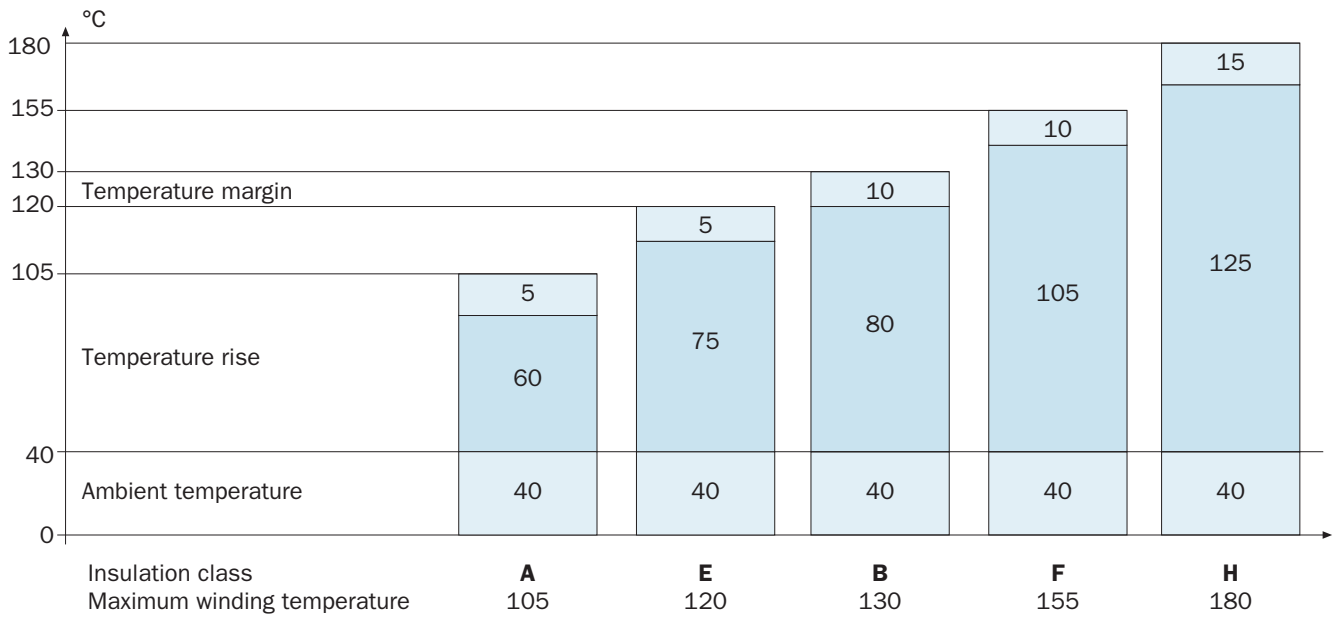
		Country	Standard
Rating and performance Methods for determining losses and efficiency Classification of degrees of protection methods of cooling Symbols of construction and mounting arrangements Terminal markings and direction of rotation Noise limits Dimensions and output for electric machines Vibration limits	IEC 60034-1 IEC 60034-2 IEC 60034-5 IEC 60034-6 IEC 60034-7 IEC 60034-8 IEC 60034-9 IEC 60072-1 IEC 60034-14	Germany	DIN VDE 0530; DIN EN 60034/VDE; DIN IEC 34; DIN 42673; DIN 42677
		Great Britain	BS 5000; BS 4999
		France	NFC 51 111 51 120; NFC 51 200; NFC 51 115 NFC 51 117; NFC 51 119
		Italy	CEI 2-3 1988; CEI 2-6; CEI 2-7 CEI 2-8; CEI 2-15 CEI/UNEL 13113-71; CEI/UNEL 13117-71; CEI/UNEL 13118-71;
		The products comply with the specifications regarding the electromagnetic compatibility specified in: EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4.	

Mounting Arrangements

According IEC 600 34 - 7

Horizontal Shaft			Vertical Shaft		
	Code 2	Code 1		Code 2	Code 1
	IM 1001	IM B3		IM 1011	IM V5
	IM 1051	IM B6		IM 1031	IM V6
	IM 1061	IM B7		IM 2011 or IM 2111	IM V15
	IM 1071	IM B8		IM 2031 or IM 2131	IM V36
	IM 2001	IM B35		IM 3011	IM V1
	IM 2101	IM B34		IM 3031	IM V3
	IM 3001	IM B5		IM 3611	IM V18
	IM 3601	IM B14		IM 3631	IM V19

Insulation Classification



Degree Of Protection IP

According to the IEC 60034-5 standard the electric motors are provided with IP code which determines the degree of protection ensured by the housing against access to dangerous parts, introducing foreign matter and/or water.

The IP code consists of IP code letters and two obligatory digits, meaning:			
The first digit (protection from introduction Of solid foreign matter)		The second digit (protection against penetration of water and its harmful effects)	
IP	Definition	IP	Definition
0	no protection	0	no protection
1	diameter ≥ 50 mm	1	dropping vertically
2	diameter ≥ 12.5 mm	2	dropping (up to 15°)
3	diameter ≥ 2.5 mm	3	sprayed
4	diameter ≥ 1.0 mm	4	splashed
5	limited protection against dust	5	in stream
		6	in strong stream
		7	under short-time immersion
		8	under permanent immersion

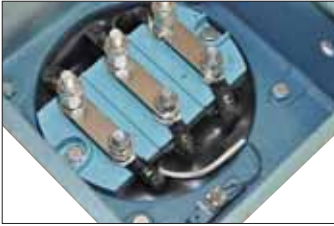
Electrical Values

Effect of altitude

Height above sea level (m)	1.000	2.000	3.000	4.000
% of nominal output	100	92	85	75

Effect of ambient temperature

Ambient temperature (°C)	30	40	50	60
% of nominal output	105	100	92	85



Terminal Box



PTC Outlet

Efficiency Check List

Power kW	2 Poles				4 Poles				6 Poles				8 Poles			
	Y2	IE2	Eff1	YX3	Y2	IE2	Eff1	YX3	Y2	IE2	Eff1	YX3	Y2	IE2	Eff1	YX3
0.55					71.0			80.7	65.0			75.4	63.0			
0.75	75	77.4	80.5	77.5	73.0	79.6	82.2	82.3	69.0	75.9	77.7	77.7	71.0			73.5
1.1	76.2	79.6	82.5	82.8	76.2	81.4	83.8	83.8	72.0	78.1	79.9	79.9	73.0			76.3
1.5	78.5	81.3	84.1	84.1	78.5	82.8	85.0	85.0	76.0	79.8	81.5	81.5	75.0			78.4
2.2	81.0	93.2	85.6	85.6	81.0	84.3	86.4	86.4	79.0	81.8	83.4	83.4	78.0			80.9
3	82.6	84.6	86.7	86.7	82.6	85.5	87.4	87.4	81.0	83.3	84.9	84.9	79.0			82.7
4	84.2	85.8	87.6	87.6	84.2	86.6	88.3	88.3	82.0	84.6	86.1	86.1	81.0			84.2
5.5	85.7	87.0	88.5	88.6	85.7	87.7	89.2	89.2	84.0	86.0	87.4	87.4	83.0			85.8
7.5	87.0	88.1	89.5	89.5	87.0	88.7	90.1	90.1	86.0	87.2	88.5	89.0	85.5			87.2
11	88.4	89.4	90.6	90.5	88.4	89.8	91.0	91.0	87.5	88.7	89.8	90.0	87.5			88.8
15	89.4	90.3	91.3	91.3	89.4	90.6	91.8	91.8	89.0	89.7	90.7	91.0	88.0			90.0
18.5	90.0	90.9	91.8	91.8	90.0	91.2	92.2	92.2	90.0	90.4	91.3	91.5	90.0			90.7
22	90.5	91.3	92.2	92.2	90.5	91.6	92.6	92.6	90.0	90.9	91.8	92.0	90.5			91.2
30	91.4	92.0	92.9	92.9	91.4	92.3	93.2	93.2	91.5	91.7	92.5	92.5	91.0			92.1
37	92.0	92.5	93.3	93.3	92.0	92.7	93.6	93.6	92.0	92.2	93.0	93.0	91.5			92.7
45	92.5	92.9	93.7	93.7	92.5	93.1	93.9	93.9	92.5	92.7	93.5	93.5	92.0			93.2
55	93.0	93.2	94.0	94.0	93.0	93.5	94.2	94.2	92.8	93.1	93.9	93.8	92.8			93.7
75	93.6	93.8	94.6	94.6	93.6	94.0	94.7	94.7	93.5	93.7	94.4	94.2	93.0			94.4
90	93.9	94.1	94.8	95.0	93.9	94.2	95.0	95.0	93.8	94.0	94.8	94.5	93.8			94.7
110	94.0	94.3	95.1	95.0	94.5	94.5	95.4	95.3	94.0	94.3	95.1	95.0	94.0			95.1
132	94.5	94.6	95.4	95.4	94.8	94.7	95.4	95.3	94.2	94.6	95.4	95.0	93.7			95.4
160	94.6	94.8	95.5	95.4	94.9	94.9	95.4	95.7	94.5	94.8	95.6	95.0	94.2			95.7
200	94.8	95.0	95.5	95.4	94.9	95.1	95.4	95.7	94.5	95.0	95.6	95.0	94.5			95.7
250	95.2	95.5	95.5	95.8	95.2	95.1	95.8	95.7	94.5	95.0	95.6	95.0				95.7
315	95.4	95.0	95.5	95.8	95.2	95.1	95.8	95.7		95.0	95.6					95.7

Bearings

Frame No.	Driving End					Non-Driving End				
	2	2 Poles	4.6.8.10	4.6.8.10	Poles	2	2 Poles	4.6.8.10	4.6.8.10	Poles
80	6204-2RZ/C3					6204-2RZ/C3				
90	6205-2RZ/C3					6205-2RZ/C3				
100	6206-2RZ/C3					6206-2RZ/C3				
112	6206-2RZ/C3					6206-2RZ/C3				
132	6208-2RZ/C3					6208-2RZ/C3				
160	6309/C3					6309/C3				
180	6311/C3					6311/C3				
200	6312/C3					6312/C3				
225	6312/C3		6313/C3			6312/6313C3				
250	6314/C4		6314/C3			6314/C4		6314/C3		
280	6316/C4		NU 316			6316/C4		6316/C3		
315	6316/C4		NU 319			6316/C4		6316/C3		
355	6319/C4		NU 322			6319/C4		6319/C3		

The Diameters Of The Outlet Holes And The Pipe Threads For The Frame

Frame No.	Dia Of The Pipe Thread (mm)	Dia Of The Outlet Hole (mm)
Y2-80	M24X1.5	11
Y2-90-100	M24X1.5	11
Y2-112-132	2-M30X2	15
Y2-160-180	2-M36X2	18
Y2-200-225	2-M48X2	30
Y2-250-280	2-M64X2	50
Y2-315	2-M64X2	50
Y2-355	2-M72X2	61



Transport Locking



Cable Gland

YX3 Series High-Efficiency Three Phase Induction Motors

TECHNICAL DATA SPEED 3000RPM 2-POLE 50HZ

Type	Output		Speed r/min	In A			Efficiency η %		Power Factor Cos	TN Nm	Tst TN	Tmax TN	Ist IN	Moment (J) kgm ²	Noise LwdB(A)	Weight kg
	kW	HP		380V	400V	415V	100%	75%								
	YX3-80M1-2	0.75		1	2885	1.8	1.7	1.6								
YX3-80M2-2	1.1	1.5	2885	2.4	2.3	2.2	82.8	83.27	0.83	3.64	2.3	2.3	7.3	0.0013	62	17.5
YX3-90S-2	1.5	2	2885	3.2	3.0	2.9	84.1	84.99	0.84	4.96	2.3	2.3	7.6	0.0020	67	23.5
YX3-90L-2	2.2	3	2890	4.6	4.4	4.2	85.6	86.35	0.85	7.27	2.3	2.3	7.8	0.0026	67	28.5
YX3-100L-2	3	4	2895	6.0	5.7	5.5	85.7	87.16	0.87	9.90	2.3	2.3	8.1	0.0042	74	38
YX3-112M-2	4	5.5	2895	7.9	7.5	7.2	87.6	88.80	0.88	13.19	2.3	2.3	8.3	0.0058	77	49
YX3-132S1-2	5.5	7.5	2920	10.7	10.2	9.8	88.6	89.87	0.88	17.89	2.2	2.3	8.0	0.0128	79	63
YX3-132S2-2	7.5	10	2915	14.3	13.6	13.1	89.5	90.29	0.89	24.57	2.5	2.3	7.8	0.0151	79	70
YX3-160M1-2	11	15	2945	20.7	19.7	19.0	90.5	90.66	0.89	35.67	2.2	2.3	7.9	0.0489	81	121
YX3-160M2-2	15	20	2945	28.0	26.7	25.7	91.3	91.64	0.89	48.64	2.2	2.3	8.0	0.0559	81	132
YX3-160L-2	18.5	25	2940	34.4	32.7	31.5	91.8	92.52	0.89	60.09	2.2	2.3	8.1	0.0648	81	138
YX3-180M-2	22	30	2960	40.7	38.7	37.3	92.2	92.40	0.89	70.98	2.2	2.3	8.2	0.0808	83	191
YX3-200L1-2	30	40	2965	55.1	52.3	50.5	92.9	92.95	0.89	96.62	2.2	2.3	7.5	0.163	84	240
YX3-200L2-2	37	50	2965	67.7	64.3	62.0	93.3	93.14	0.89	119.17	2.2	2.3	7.5	0.172	84	257
YX3-225M-2	45	60	2965	82.0	77.9	75.1	93.7	93.53	0.89	144.94	2.2	2.3	7.6	0.302	86	310
YX3-250M-2	55	75	2975	99.9	94.8	91.5	94.0	94.05	0.89	176.55	2.2	2.3	7.6	0.420	89	386
YX3-280S-2	75	100	2980	135.3	128.6	123.9	94.6	94.62	0.89	240.35	2.0	2.3	6.9	0.986	91	505
YX3-280M-2	90	125	2980	161.7	153.6	148.1	95.0	94.75	0.89	288.42	2.0	2.3	7.0	1.04	91	555
YX3-315S-2	110	150	2980	195.5	185.5	178.8	95.0	94.14	0.90	352.51	2.0	2.2	7.1	1.33	92	921
YX3-315M-2	132	180	2980	233.6	221.9	213.9	95.4	94.64	0.90	423.02	2.0	2.2	7.1	1.50	92	959
YX3-315L1-2	160	220	2980	280.0	265.7	256.1	95.4	95.11	0.91	512.75	2.0	2.2	7.1	1.67	92	1088
YX3-315L2-2	200	270	2980	350.0	332.5	320	95.4	95.48	0.91	640.94	2.0	2.2	7.1	1.88	92	1162
YX3-355M-2	250	340	2985	435.7	411	399	95.8	95.21	0.91	799.83	2.0	2.2	7.1	4.02	100	1616
YX3-355L-2	315	430	2985	549.0	515	502.7	95.8	95.54	0.91	1007.79	2.0	2.2	7.1	4.86	100	1806



Metal Fan

YX3 Series High-Efficiency Three Phase Induction Motors

TECHNICAL DATA SPEED 1500RPM 4-POLE 50HZ

Type	Output		Speed r/min	In A			Efficiency η %		Power Factor Cos	TN Nm	Tst TN	Tmax TN	Ist IN	Moment (J) kgm ²	Noise LwdB(A)	Weight kg
	kW	HP		380V	400V	415V	100%	75%								
	YX3-80M1-4	0.55		0.75	1435	1.4	1.3	1.3								
YX3-80M2-4	0.75	1	1435	1.8	1.8	1.7	82.3	82.56	0.75	4.99	2.3	2.3	6.5	0.0020	56	18.5
YX3-90S-4	1.1	1.5	1435	2.7	2.5	2.4	83.8	85.31	0.75	7.32	2.3	2.3	6.6	0.0030	59	24
YX3-90L-4	1.5	2	1440	3.6	3.4	3.3	85.0	86.48	0.75	9.95	2.3	2.3	6.9	0.0038	59	29.5
YX3-100L1-4	2.2	3	1455	4.8	4.5	4.4	86.4	86.59	0.81	14.44	2.3	2.3	7.5	0.0077	64	39.5
YX3-100L2-4	3	4	1455	6.4	6.0	5.8	87.4	87.43	0.82	19.69	2.3	2.3	7.6	0.0093	64	43.5
YX3-112M-4	4	5.5	1455	8.4	8.0	7.7	88.3	88.0	0.82	26.25	2.3	2.3	7.7	0.0128	65	52
YX3-132S-4	5.5	7.5	1460	11.4	10.9	10.5	89.2	90.10	0.82	35.98	2.0	2.3	7.5	0.0285	71	66
YX3-132M-4	7.5	10	1460	15.2	14.5	13.9	90.1	90.98	0.83	49.06	2.0	2.3	7.4	0.0366	71	78
YX3-160M-4	11	15	1470	21.6	20.5	19.8	91.0	91.33	0.85	71.46	2.2	2.3	7.5	0.0771	73	122
YX3-160L-4	15	20	1475	28.9	27.4	26.4	91.8	91.98	0.86	97.12	2.2	2.3	7.5	0.101	73	139
YX3-180M-4	18.5	25	1475	35.4	33.7	32.5	92.2	92.64	0.86	119.78	2.2	2.3	7.7	0.152	76	188
YX3-180L-4	22	30	1475	42.0	39.8	38.4	92.6	92.98	0.86	142.44	2.2	2.3	7.8	0.187	76	193
YX3-200L-4	30	40	1480	56.9	54	52.1	93.2	93.42	0.86	193.58	2.2	2.3	7.2	0.285	76	256
YX3-225S-4	37	50	1485	69.8	66.3	63.9	93.6	93.62	0.86	237.95	2.2	2.3	7.3	0.473	78	308
YX3-225M-4	45	60	1485	84.7	80.4	77.5	93.9	94.22	0.86	289.39	2.2	2.3	7.4	0.554	78	337
YX3-250M-4	55	75	1490	103.1	98	94.4	94.2	94.62	0.86	352.50	2.2	2.3	7.4	0.751	79	410
YX3-280S-4	75	100	1490	136.7	129.9	125.2	94.7	94.67	0.88	480.70	2.2	2.3	6.7	1.92	80	581
YX3-280M-4	90	125	1490	136.6	155.4	149.8	95.0	94.97	0.88	576.84	2.2	2.3	6.9	2.32	80	643
YX3-315S-4	110	150	1490	199.1	189.1	182.3	95.4	95.30	0.88	705.03	2.2	2.2	6.9	2.34	88	961
YX3-315M-4	132	180	1490	238.9	226.9	218.7	95.4	95.36	0.88	846.04	2.2	2.2	6.9	2.58	88	999
YX3-315L1-4	160	220	1490	286.3	274.2	261.3	95.4	95.46	0.89	1025.50	2.2	2.2	6.9	2.96	88	1096
YX3-315L2-4	200	270	1490	357.9	342.8	326.7	95.4	95.67	0.89	1281.88	2.2	2.2	6.9	3.46	88	1330
YX3-355M-4	250	340	1490	440.5	418.5	403.4	95.8	95.51	0.90	1602.35	2.2	2.2	6.9	6.60	95	1643
YX3-355L-4	315	430	1490	555.1	527.3	508.3	95.8	95.61	0.90	2018.96	2.2	2.2	6.9	7.55	95	1837



Earth Connection

YX3 Series High-Efficiency Three Phase Induction Motors

TECHNICAL DATA SPEED 1000RPM 6-POLE 50HZ

Type	Output		Speed r/min	In A			Efficiency η %		Power Factor Cos	TN Nm	Tst TN	Tmax TN	Ist IN	Moment (J) kgm ²	Noise LwdB(A)	Weight kg
	kW	HP		380V	400V	415V	100%	75%								
YX3-90S-6	0.75	1	950	2.0	1.93	1.86	77.7	78.76	0.72	7.54	2.1	2.1	5.8	0.0038	57	23
YX3-90L-6	1.1	1.5	950	2.9	2.7	2.6	79.9	81.12	0.73	11.06	2.1	2.1	5.9	0.0053	57	28.5
YX3-100L-6	1.5	2	955	3.8	3.6	3.46	81.5	81.56	0.74	15.0	2.1	2.1	6.0	0.0107	61	37.5
YX3-112M-6	2.2	3	955	5.4	5.1	4.96	83.4	85.12	0.74	22.0	2.1	2.1	6.0	0.0151	65	48
YX3-132S-6	3	4	975	7.3	6.9	6.6	84.9	86.49	0.74	29.58	2.0	2.1	6.2	0.0318	69	55
YX3-132M1-6	4	5.5	975	9.5	9.1	8.7	86.1	87.58	0.74	39.18	2.0	2.1	6.8	0.0394	69	73
YX3-132M2-6	5.5	7.5	975	12.7	12.1	11.7	87.4	88.90	0.75	53.87	2.0	2.1	7.1	0.0494	69	85
YX3-160M-6	7.5	10	980	16.4	15.6	15	89.0	89.51	0.78	73.09	2.1	2.1	6.7	0.0964	73	113
YX3-160L-6	11	15	980	23.5	22.3	21.5	90.0	90.11	0.79	107.19	2.1	2.1	6.9	0.127	73	134
YX3-180L-6	15	20	980	30.9	29.4	28.3	91.0	92.12	0.81	146.17	2.0	2.1	7.2	0.201	73	178
YX3-200L1-6	18.5	25	985	37.9	36	34.7	91.5	92.02	0.81	179.36	2.1	2.1	7.2	0.325	73	226
YX3-200L2-6	22	30	980	44.3	42.1	40.6	92.0	92.48	0.82	213.30	2.1	2.1	7.3	0.371	73	243
YX3-225M-6	30	40	985	60.8	57.8	55.7	92.5	93.37	0.81	290.80	2.0	2.1	7.1	0.533	74	294
YX3-250M-6	37	50	990	72.0	68.4	65.9	93.0	93.85	0.84	356.92	2.1	2.1	7.1	0.877	76	369
YX3-280S-6	45	60	990	85.0	80.8	77.9	93.5	94.03	0.86	434.09	2.1	2.0	7.2	1.85	78	513
YX3-280M-6	55	75	990	103.6	98.3	94.7	93.8	94.26	0.86	530.55	2.1	2.0	7.2	2.12	78	561
YX3-315S-6	75	100	995	142.3	134.9	130.0	94.2	94.49	0.85	719.85	2.0	2.0	6.7	2.61	83	856
YX3-315M-6	90	125	995	172.3	163.1	157.2	94.5	94.75	0.84	863.82	2.0	2.0	6.7	3.04	83	973
YX3-315L1-6	110	150	995	207.0	196.4	189.3	95.0	95.11	0.85	1055.78	2.0	2.0	6.7	3.71	83	1029
YX3-315L2-6	132	180	995	245.5	232.2	223.8	95.0	95.34	0.86	1266.93	2.0	2.0	6.7	4.24	83	1122
YX3-355M1-6	160	220	995	294.1	277.6	267.6	95.0	94.93	0.87	1535.68	2.0	2.0	6.7	7.44	85	1638
YX3-355M2-6	200	270	995	367.7	347.1	334.5	95.0	95.28	0.87	1919.60	2.0	2.0	6.7	9.10	85	1788
YX3-355L-6	250	340	995	459.6	433.9	418.2	95.0	95.33	0.87	2399.50	2.0	2.0	6.7	10.8	85	1931



Grease Nipple

YX3 Series High-Efficiency Three Phase Induction Motors

TECHNICAL DATA SPEED 750RPM 8-POLE 50HZ

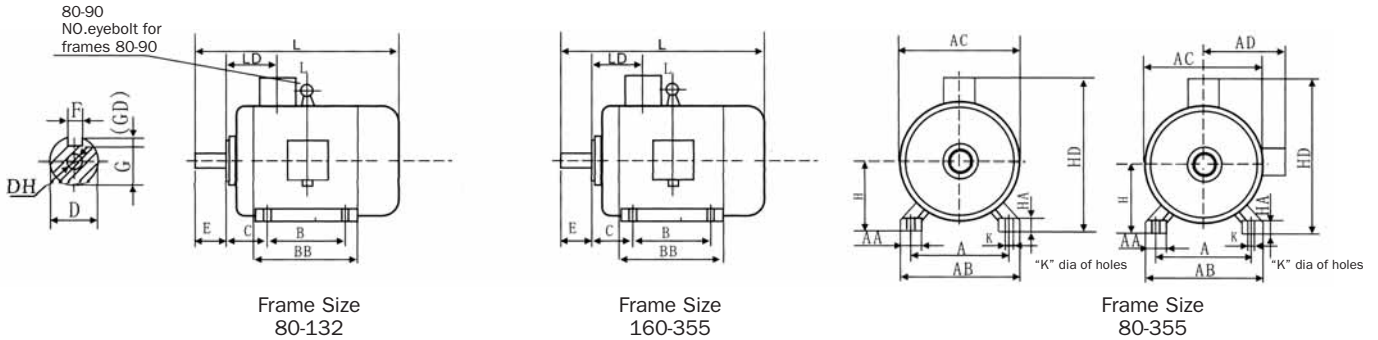
Type	Output		Speed r/min	In A			Efficiency η %		Power Factor Cos	TN Nm	Tst TN	Tmax TN	Ist IN	Moment (J) kgm ²	Noise LwdB(A)	Weight kg
	kW	HP		380V	400V	415V	100%	75%								
	YX3-90L-8	0.55		0.75	700	1.86	1.77	1.70								
YX3-100L1-8	0.75	1	700	2.31	2.20	2.1	73.5	75.8	0.67	10.23	1.8	2.0	4.0	0.078	51	33
YX3-100L2-8	1.1	1.5	700	3.17	3.02	2.9	76.3	79.1	0.69	15.0	1.8	2.0	5.0	0.0107	51	38
YX3-112M-8	1.5	2	705	4.21	4.00	3.86	78.4	80.4	0.69	20.32	1.8	2.0	5.0	0.0162	52	52
YX3-132S-8	2.2	3	710	5.8	5.5	5.3	80.9	82.9	0.71	29.59	1.8	2.0	6.9	0.0331	69	58
YX3-132M-8	3	4	710	7.5	7.2	6.9	82.7	84.7	0.73	40.35	1.8	2.0	6.9	0.0440	69	68
YX3-160M1-8	4	5.5	715	9.9	9.4	9.0	84.2	85.7	0.73	53.42	1.9	2.0	6.9	0.0771	69	104
YX3-160M2-8	5.5	7.5	715	13.2	12.5	12.0	85.8	87.4	0.74	73.46	2.0	2.0	6.9	0.0989	69	114
YX3-160L-8	7.5	10	720	17.4	16.5	16.0	87.2	88.6	0.75	99.48	2.0	2.0	6.9	0.131	69	132
YX3-180L-8	11	15	730	24.8	23.5	22.7	88.8	89.0	0.76	143.90	2.0	2.0	6.8	0.214	73	176
YX3-200L-8	15	20	730	33.3	31.6	30.5	90.0	90.3	0.76	196.23	2.0	2.0	6.8	0.401	73	232
YX3-225S-8	18.5	25	735	40.8	38.7	37.3	90.7	90.7	0.76	240.37	1.9	2.0	6.8	0.529	73	268
YX3-225M-8	22	30	735	46.4	44.1	42.5	91.2	91.6	0.79	285.85	1.9	2.0	6.8	0.626	73	288
YX3-250M-8	30	40	735	62.6	59.5	57.4	92.1	91.8	0.79	389.80	1.9	2.0	6.8	0.914	75	372
YX3-280S-8	37	50	740	75.8	72	69.4	92.7	92.6	0.80	477.50	1.9	2.0	6.9	1.85	80	567
YX3-280M-8	45	60	740	91.7	87.1	84	93.2	93.6	0.80	580.74	1.9	2.0	6.9	2.22	80	651
YX3-315S-8	55	75	740	110.1	104.6	100.8	93.7	93.6	0.81	709.79	1.8	2.0	6.6	2.97	74	1000
YX3-315M-8	75	100	740	149	141.6	136.5	94.4	94.2	0.81	967.91	1.8	2.0	6.6	3.96	74	1100
YX3-315L1-8	90	125	740	176.1	167.3	161.2	94.7	94.6	0.82	1161.48	1.8	2.0	6.6	4.65	74	1160
YX3-315L2-8	110	150	740	214.3	203.6	196.2	95.1	94.8	0.82	1419.59	1.8	2.0	6.4	5.40	74	1230
YX3-355M1-8	132	180	740	251.8	233.2	230.5	95.4	95.5	0.835	1703.5	1.8	2.0	6.0	8.36	76	1700
YX3-355M2-8	160	220	740	302.4	287.3	276.9	95.7	95.6	0.84	2064.86	1.8	2.0	6.0	9.59	76	1750
YX3-355L-8	200	270	740	378	359.1	346.1	95.7	95.8	0.84	2581.08	1.8	2.0	6.0	11.3	76	1850



Stainless Steel Nameplate

YX3 Series High-Efficiency Three Phase Induction Motors

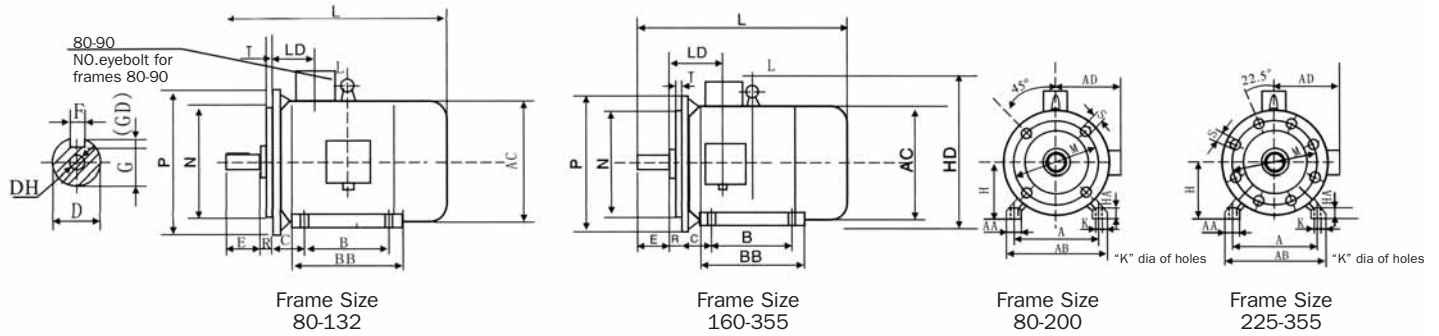
MOUNTING AND OVERALL DIMENSIONS IM B3 H80-355



Type	Poles	Dimensions in mm																		
		A	AA	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L	BB	HA	LD	(DH)
80	2. 4. 6. 8	125	34	100	50	19	40	6	15.5	80	10	165	167	165	245	300	142	10	74	M6X16
90S	2. 4. 6. 8	140	36	100	56	24	50	8	20	90	10	180	190	175	265	355	180	12	76	M8X19
90L	2. 4. 6. 8	140	36	125	56	24	50	8	20	90	10	180	190	175	265	385	220	12	76	M8X19
100L	2. 4. 6. 8	160	40	140	63	28	60	8	24	100	12	205	215	200	290	435	233	14	83	M10X22
112M	2. 4. 6. 8	190	45	140	70	28	60	8	24	112	12	230	240	220	325	468	248	15	87	M10X22
132S	2. 4. 6. 8	216	55	140	89	38	80	10	33	132	12	270	275	240	365	510	230	18	102	M12X28
132M	2. 4. 6. 8	216	55	178	89	38	80	10	33	132	12	270	275	240	365	510	230	18	102	M12X25
160M	2	254	65	210	108	42	110	12	37	160	14.5	320	320	285	440	675	304	20	149	M16X36
	4. 6. 8	254	65	210	108	42	110	12	37	160	14.5	320	320	285	440	675	304	20	149	M16X36
160L	2	254	65	254	108	42	110	12	37	160	14.5	320	320	285	440	675	304	20	149	M16X36
	4. 6. 8	254	65	254	108	42	110	12	37	160	14.5	320	320	285	440	675	304	20	149	M16X36
180M	2	279	70	241	121	48	110	14	42.5	180	14.5	355	380	310	470	740	355	22	161	M16X36
	4. 6. 8	279	70	241	121	48	110	14	42.5	180	14.5	355	380	310	470	740	355	22	161	M16X36
180L	4. 6. 8	279	70	279	121	48	110	14	42.5	180	14.5	355	380	310	470	740	355	22	161	M16X36
200L	2	318	70	305	133	55	110	16	49	200	18.5	395	410	335	525	775	375	25	186	M20X42
	4. 6. 8	318	70	305	133	55	110	16	49	200	18.5	395	410	335	525	775	375	25	186	M20X42
225S	4. 8	356	75	286	149	60	140	18	53	225	18.5	435	470	370	580	820	370	28	189	M20X42
225M	2	356	75	311	149	55	110	16	49	225	18.5	435	470	370	580	815	395	28	189	M20X42
	4. 6. 8	356	75	311	149	60	140	18	53	225	18.5	435	470	370	580	845	395	28	189	M20X42
250M	2	406	80	349	168	60	140	18	53	250	24	490	490	380	635	930	445	30	207	M20X42
	4. 6. 8	406	80	349	168	65	140	18	58	250	24	490	490	380	635	930	445	30	207	M20X42
280S	2	457	85	368	190	65	140	18	58	280	24	550	580	410	698	981	490	35	215	M20X42
	4. 6. 8	457	85	368	190	75	140	20	67.5	280	24	550	580	410	698	981	490	35	215	M20X42
280M	2	457	85	419	190	65	140	18	58	280	24	550	580	410	698	1032	540	35	215	M20X42
	4. 6. 8	457	85	419	190	75	140	20	67.5	280	24	550	580	410	698	1032	540	35	215	M20X42
315S	2	508	120	406	216	65	140	18	58	315	28	630	645	535	885	1185	570	45	257	M20X42
	4. 6. 8. 10	508	120	406	216	80	170	22	71	315	28	630	645	535	885	1215	570	45	257	M20X42
315M	2	508	120	457	216	65	140	18	58	315	28	630	645	535	885	1295	680	45	257	M20X42
	4. 6. 8. 10	508	120	457	216	80	170	22	71	315	28	630	645	535	885	1325	680	45	257	M20X42
315L	2	508	120	508	216	65	140	18	58	315	28	630	645	535	885	1295	680	45	257	M20X42
	4. 6. 8. 10	508	120	508	216	80	170	22	71	315	28	630	645	535	885	1325	680	45	257	M20X42
355M	2	610	120	560	254	75	140	20	67.5	355	28	730	720	650	1065	1495	760	52	284	M20X42
	4. 6. 8. 10	610	120	560	254	95	170	25	86	355	28	730	720	650	1065	1525	760	52	284	M24X47
355L	2	610	120	630	254	75	140	20	67.5	355	28	730	720	650	1065	1495	760	52	284	M20X42
	4. 6. 8. 10	610	120	630	254	95	170	25	86	355	28	730	720	650	1065	1525	760	52	284	M24X47

YX3 Series High-Efficiency Three Phase Induction Motors

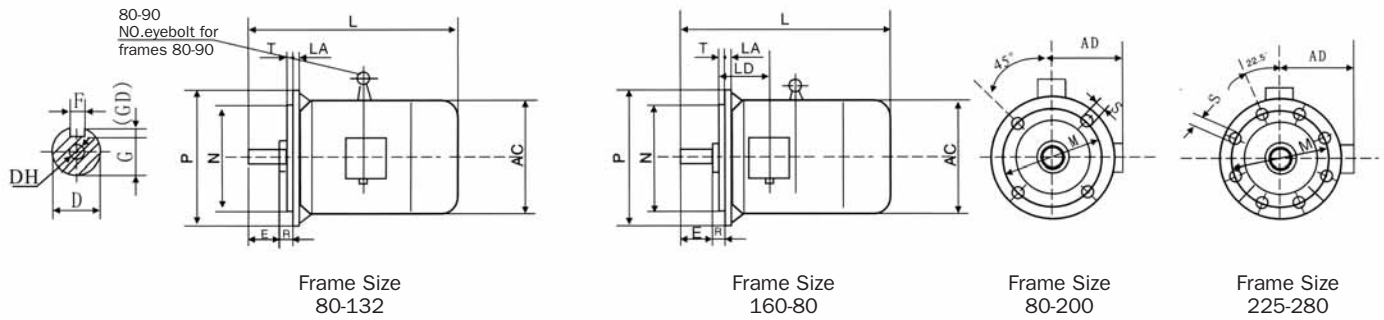
MOUNTING AND OVERALL DIMENSIONS IM B35 H80-355



Type	Flange No.	Poles	Dimensions in mm																									
			A	AA	B	C	D	E	F	G	H	K	AB	AC	AD	HD	L	BB	HA	LD	Flange Holes	M	N	P	R	S	T	(DH)
80	FF165	2. 4. 6. 8	125	34	100	50	19	40	6	15.5	80	10	165	167	165	245	300	142	10	74	4	165	130	200	0	12	3.5	M6X16
90S	FF165	2. 4. 6. 8	140	36	100	56	24	50	8	20	90	10	180	190	175	265	355	180	12	76.0	4	165	130	200	0	12	3.5	M8X19
90L	FF165	2. 4. 6. 8	140	36	125	56	24	50	8	20	90	10	180	190	175	265	385	220	12	76.0	4	165	130	200	0	12	3.5	M8X19
100L	FF215	2. 4. 6. 8	160	40	140	63	28	60	8	24	100	12	205	215	200	290	435	233	14	83	4	215	180	250	0	14.5	4	M10X22
112M	FF215	2. 4. 6. 8	190	45	140	70	28	60	8	24	112	12	230	240	220	325	468	248	15	87	4	215	180	250	0	14.5	4	M10X22
132S	FF265	2. 4. 6. 8	216	55	140	89	38	80	10	33	132	12	270	275	240	365	510	230	18	102	4	265	230	300	0	14.5	4	M12X28
132M	FF265	2. 4. 6. 8	216	55	178	89	38	80	10	33	132	12	270	275	240	365	510	230	18	102	4	265	230	300	0	14.5	4	M12X25
160M	FF300	2	254	65	210	108	42	110	12	37	160	14.5	320	320	285	440	675	304	20	149	4	300	250	350	0	18.5	5	M16X36
	FF300	4. 6. 8	254	65	210	108	42	110	12	37	160	14.5	320	320	285	440	675	304	20	149	4	300	250	350	0	18.5	5	M16X36
160L	FF300	2	254	65	254	108	42	110	12	37	160	14.5	320	320	285	440	675	304	20	149	4	300	250	350	0	18.5	5	M16X36
	FF300	4. 6. 8	254	65	254	108	42	110	12	37	160	14.5	320	320	285	440	675	304	20	149	4	300	250	350	0	18.5	5	M16X36
180M	FF300	2	279	70	241	121	48	110	14	42.5	180	14.5	355	380	310	470	740	355	22	161	4	300	250	350	0	18.5	5	M16X36
	FF300	4. 6. 8	279	70	241	121	48	110	14	42.5	180	14.5	355	380	310	470	740	355	22	161	4	300	250	350	0	18.5	5	M16X36
180L	FF300	4. 6. 8	279	70	279	121	48	110	14	42.5	180	14.5	355	380	310	470	740	355	22	161	4	300	250	350	0	18.5	5	M16X36
200L	FF350	2	318	70	305	133	55	110	16	49	200	18.5	395	410	335	525	775	375	25	186	4	350	300	400	0	18.5	5	M20X42
	FF350	4. 6. 8	318	70	305	133	55	110	16	49	200	18.5	395	410	335	525	775	375	25	186	4	350	300	400	0	18.5	5	M20X42
225S	FF400	4. 8	356	75	286	149	60	140	18	53	225	18.5	435	470	370	580	820	375	28	189	8	400	350	450	0	18.5	5	M20X42
	FF400	2	356	75	311	149	55	110	16	49	225	18.5	435	470	370	580	815	400	28	189	8	400	350	450	0	18.5	5	M20X42
225M	FF400	4. 6. 8	356	75	311	149	60	140	18	53	225	18.5	435	470	370	580	845	400	28	189	8	400	350	450	0	18.5	5	M20X42
	FF500	2	406	80	349	168	60	140	18	53	250	24	490	490	380	635	930	445	30	207	8	500	450	550	0	18.5	5	M20X42
250M	FF500	4. 6. 8	406	80	349	168	65	140	18	58	250	24	490	490	380	635	930	445	30	207	8	500	450	550	0	18.5	5	M20X42
	FF500	2	457	85	368	190	65	140	18	58	280	24	550	580	410	698	981	490	35	215	8	500	450	550	0	18.5	5	M20X42
280S	FF500	4. 6. 8	457	85	368	190	75	140	20	67.5	280	24	550	580	410	698	981	490	35	215	8	500	450	550	0	18.5	5	M20X42
	FF500	2	457	85	419	190	65	140	18	58	280	24	550	580	410	698	1032	540	35	215	8	500	450	550	0	18.5	5	M20X42
280M	FF500	4. 6. 8	457	85	419	190	75	140	20	67.5	280	24	550	580	410	698	1032	540	35	215	8	500	450	550	0	18.5	5	M20X42
	FF600	2	508	120	406	216	65	140	18	58	315	28	630	645	535	885	1185	570	45	257	8	600	550	660	0	24	6	M20X42
315S	FF600	4. 6. 8. 10	508	120	406	216	80	170	22	71	315	28	630	645	535	885	1215	570	45	257	8	600	550	660	0	24	6	M20X42
	FF600	2	508	120	457	216	65	140	18	58	315	28	630	645	535	885	1295	680	45	257	8	600	550	660	0	24	6	M20X42
315M	FF600	4. 6. 8. 10	508	120	457	216	80	170	22	71	315	28	630	645	535	885	1325	680	45	257	8	600	550	660	0	24	6	M20X42
	FF600	2	508	120	508	216	65	140	18	58	315	28	630	645	535	885	1295	680	45	257	8	600	550	660	0	24	6	M20X42
315L	FF600	4. 6. 8. 10	508	120	508	216	80	170	22	71	315	28	630	645	535	885	1325	680	45	257	8	600	550	660	0	24	6	M20X42
	FF740	2	610	120	560	254	75	140	20	67.5	355	28	730	720	650	1065	1495	760	52	284	8	740	680	800	0	24	6	M20X42
355M	FF740	4. 6. 8. 10	610	120	560	254	95	170	25	86	355	28	730	720	650	1065	1525	760	52	284	8	740	680	800	0	24	6	M24X47
	FF740	2	610	120	630	254	75	140	20	67.5	355	28	730	720	650	1065	1495	760	52	284	8	740	680	800	0	24	6	M20X42
355L	FF740	4. 6. 8. 10	610	120	630	254	95	170	25	86	355	28	730	720	650	1065	1525	760	52	284	8	740	680	800	0	24	6	M24X47

YX3 Series High-Efficiency Three Phase Induction Motors

MOUNTING AND OVERALL DIMENSIONS IM B5 H80-280

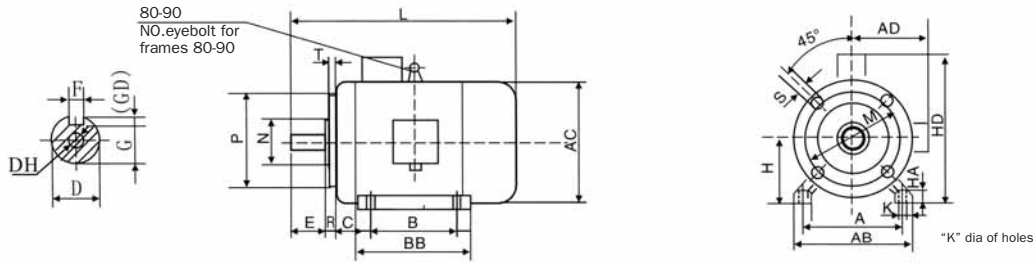


Type	Flange No.	Poles	Dimensions in mm															
			D*	E	F	G	M	N	P	S	T	Flange Holes	AC	L	LD	LA	(DH)	R
80	FF165	2. 4. 6. 8	19	40	6	15.5	165	130	200	12	3.5	4	167	300	74	12	M6X16	0
90S	FF165	2. 4. 6. 8	24	50	8	20	165	130	200	12	3.5	4	190	355	76.0	12	M8X19	0
90L	FF165	2. 4. 6. 8	24	50	8	20	165	130	200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



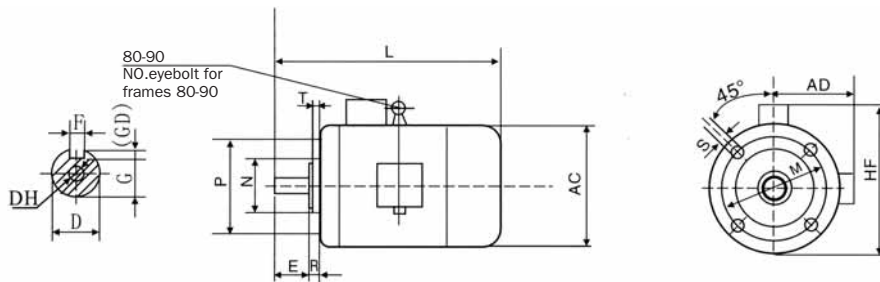
YX3 Series High-Efficiency Three Phase Induction Motors

MOUNTING AND OVERALL DIMENSIONS IM B34 H80-112



Prame Size	Poles	Mounting Dimensions														Flange Holes	Overall Dimensions						
		A	B	C	D	E	F	G	H	K	M	N	P	R	S		T	AB	AC	AD	HD	L	(DH)
Y2-80	2. 4. 6. 8	125	100	50	19	40	6	15.5	80	10	100	80	120	0	M6	3.0	4	165	167	165	245	300	M6X16
Y2-90S	2. 4. 6. 8	140	100	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	4	180	190	175	250	355	M8X19
Y2-90L	2. 4. 6. 8	140	125	56	24	50	8	20	90	10	115	95	140	0	M8	3.0	4	180	190	175	250	385	M8X19
Y2-100L	2. 4. 6. 8	160	140	63	28	60	8	24	100	12	130	110	160	0	M8	3.5	4	205	215	200	270	435	M10X22
Y2-112M	2. 4. 6. 8	190	140	70	28	60	8	24	112	12	130	110	160	0	M8	3.5	4	230	240	220	325	468	M10X22

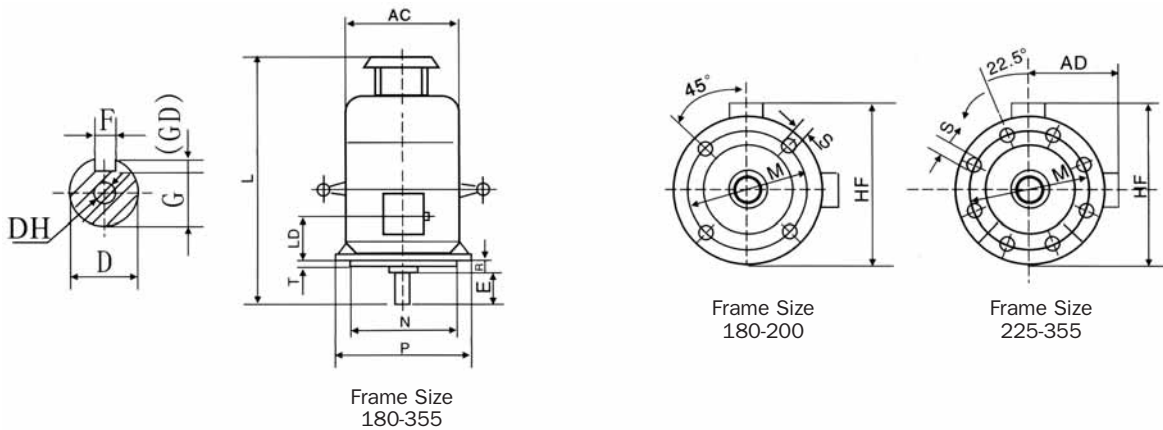
MOUNTING AND OVERALL DIMENSIONS IM B14 H80-112



Prame Size	Poles	Mounting Dimensions										Flange Holes	Overall Dimensions				
		D	E	F	G	P	M	N	R	S	T		AD	AC	HF	L	(DH)
Y2-80	2. 4. 6. 8	19	40	6	15.5	120	100	80	0	M6	3.0	4	165	167	230	300	M6X16
Y2-90S	2. 4. 6. 8	24	50	8	20	140	115	95	0	M8	3.0	4	175	190	245	355	M8X19
Y2-90L	2. 4. 6. 8	24	50	8	20	140	115	95	0	M8	3.0	4	175	190	245	385	M8X19
Y2-100L	2. 4. 6. 8	28	60	8	24	160	130	110	0	M8	3.5	4	200	215	285	435	M10X22
Y2-112M	2. 4. 6. 8	28	60	8	24	160	130	110	0	M8	3.5	4	220	240	320	468	M10X22

YX3 Series High-Efficiency Three Phase Induction Motors

MOUNTING AND OVERALL DIMENSIONS IMV1 H80-355



Prame Size	Poles	Mounting Dimensions										Flange Holes	Overall Dimensions				
		D	E	F	G	M	N	P	R	S	T		AC	AD	HF	L	(DH)
Y2-180M	2. 4. 6. 8	48	110	14	42.5	300	250	350	0	18.5	5	4	380	310	500	800	M16X36
Y2-180L	2. 4. 6. 8	48	110	14	42.5	300	250	350	0	18.5	5	4	30	310	500	800	M16X36
Y2-200L	4. 6. 8	55	110	16	49.0	350	300	400	0	18.5	5	4	410	335	540	845	M20X42
Y2-225S	4. 6. 8	60	140	18	53.0	400	350	450	0	18.5	5	8	470	370	605	915	M20X42
Y2-225M	2	55		16	49.0			450								910	
	4. 6. 8	60	140	18	53.0	400	350	450	0	18.5	5	8	470	370	605	940	M20X42
Y2-250M	2	60		18	53.0			550								1035	
	4. 6. 8	65	140	18	58.0	500	450	550	0	18.5	5	8	490	380	630	1035	M20X42
Y2-280S	2	65		18	58.0			550								1115	
	4. 6. 8	75	140	20	67.5	500	450	550	0	18.5	5	8	580	410	700	1115	M20X42
Y2-280M	2	65		18	58.0			550								1157	
	4. 6. 8	75	140	20	67.5	500	450	550	0	18.5	5	8	580	410	700	1157	M20X42
Y2-315S	2	65	140	18	58.0			660								1310	
	4. 6. 8. 10	80	170	22	71.0	600	550	660	0	24	6	8	645	535	858	1340	M20X42
Y2-315M	2	65	140	18	58.0			660								1425	
	4. 6. 8. 10	80	170	22	71.0	600	550	660	0	24	6	8	645	535	858	1450	M20X42
Y2-315L	2	65	140	18	58.0			660								1425	
	4. 6. 8. 10	80	170	22	71.5	600	550	660	0	24	6	8	645	535	858	1450	M20X42
Y2-355M	2	75	140	20	67.5			800								1640	M20X42
	4. 6. 8. 10	95	170	25	86.0	740	680	800	0	24	6	8	720	650	1010	1670	M24X47
Y2-355L	2	75	140	20	67.5			800								1640	M20X42
	4. 6. 8. 10	95	170	25	86.0	740	680	800	0	24	6	8	720	650	1010	1670	M24X47



Eyebolt

GL



VERIFICATION OF COMPLIANCE CERTIFICATE

Client :  **elektromer**

Manufacturer : Dinamik Motor

Product Name : 56 -355 Frame Three-Phase Induction Motors
56 -112 Frame Single-Phase Induction Motors

Offer No : 080812 REV.0

Certificate No : INS-IST/08-213

The equipment complies with the principal requirements of *Low Voltage Directive* as a based on voluntary test. This attestation applies only to sample of product providing to testing and verification at related test report.

Review of necessary technical documentation, EHSR and risk analysis as well as declaration of conformity and *CE marking* affixed on the label. Equipment is deemed to meet above the directives and standards and hence the requirements of;

2006/95/EC Low Voltage Directive

2004/108/EC Electromagnetic Compatibility Directive

EN 60034-1, EN 60204-1 Standards

Issue Place-Date

INSPECCO TURKEY
21.10.2008

Manufacturer

DİNAMİK MOTOR
REDÜKTÖR SAN. TİC. A.Ş

Eminel Sanayi Sitesi
26.Cad. 668. Sk. No:26
OSTİM - ANKARA

Approved by

Inspector to
Germanischer Lloyd
(Signature and Stamp)



 **elektromer**



AC Motors