



REM

THREE-PHASE
ASYNCHRONOUS MOTOR



GUANGLU MOTOR LEADING TECHNOLOGY



TECHNICAL DATA OF Y3 SERIES

NO.	Type	Full load current at rated voltage			Rated power KW	Full load speed r/min	Efficiency %	Power factor Cosφ	Direct on line starting ratio LRT	Direct on line starting current LRA	Direct on line pull out torque BDT	Sound power level power on no load Lwa dB(A)	Weight Kg	Rotor inertia J kgm ² × 10 ³										
		Amps (A)													Output KW	Speed r/min	EFF. %	P. F. Cosφ	LRT	LRA	BDT	Noise Lwa dB(A)	Weight Kg	J kgm ² × 10 ³
		380V	400V	415V																				
1	Y3-80M1-2	1.77	1.74	1.68	0.75	2840	75.0	0.83	2.2	6.1	2.3	67	16	0.00090										
2	Y3-80M2-2	2.61	2.48	2.39	1.1	2840	76.2	0.84	2.2	6.9	2.3	67	17	0.00090										
3	Y3-90S-2	3.46	3.28	3.16	1.5	2850	78.5	0.84	2.2	7.0	2.3	72	20	0.00120										
4	Y3-90L2	4.85	4.61	4.45	2.2	2855	81.0	0.85	2.2	7.0	2.3	72	23	0.00140										
5	Y3-100L1-2	6.34	6.03	5.81	3	2860	82.6	0.87	2.2	7.5	2.3	76	30	0.00290										
6	Y3-112M-2	8.2	7.79	7.51	4	2880	84.2	0.88	2.2	7.5	2.3	77	35	0.00550										
7	Y3-132S1-1	11.1	10.53	10.15	5.5	2900	85.7	0.88	2.2	7.5	2.3	80	40	0.01090										
8	YE-132S2-2	14.9	14.1	13.6	7.5	2900	87.0	0.88	2.2	7.5	2.3	80	43	0.01260										
9	Y3-160M1-2	21.2	20.2	19.5	11	2930	88.4	0.89	2.2	7.5	2.3	86	107	0.037700										
10	Y3-160M2-2	28.6	27.2	26.2	15	2930	89.4	0.89	2.2	7.5	2.3	86	114	0.04990										
11	Y3-160L-2	34.7	33.0	31.8	18.5	2930	90.0	0.90	2.2	7.5	2.3	86	133	0.05500										
12	Y3-180M-2	41	39.0	37.6	22	2940	90.5	0.90	2.0	7.5	2.3	89	165	0.07500										
13	Y3-200L1-2	55.4	52.6	50.7	30	2950	91.4	0.90	2.0	7.5	2.3	92	218	0.12400										
14	Y3-200L2-2	67.9	64.5	62.2	37	2950	92.0	0.90	2.0	7.5	2.3	92	230	0.13900										
15	Y3-225M-2	82.1	78.0	75.2	45	2960	92.5	0.90	2.0	7.5	2.3	92	290	0.23300										
16	Y3-250M-2	99.8	94.8	91.4	55	2970	93.0	0.91	2.0	7.0	2.3	93	359	0.31200										
17	Y3-280S-2	134	129	124	75	2975	93.6	0.91	2.0	7.0	2.3	94	475	0.57900										
18	Y3-280M-2	160	152	147	90	2975	93.9	0.91	2.0	7.1	2.3	94	510	0.67500										
19	Y3-315S-2	195	186	179	110	2975	94.0	0.91	1.8	7.1	2.2	96	875	1.18000										
20	Y3-315M-2	233	222	214	132	2975	94.5	0.91	1.8	7.1	2.2	96	963	1.82000										
21	Y3-315L1-2	279	265	256	160	2975	94.6	0.92	1.8	7.1	2.2	99	1010	2.08000										
22	Y3-315L2-2	384	331	319	200	2975	94.8	0.92	1.8	7.1	2.2	99	1138	2.38000										
23	Y3-355M-2	433	412	397	250	2980	95.2	0.92	1.6	7.1	2.2	103	1900	3.00000										
24	Y3-355L-2	545	518	499	315	2980	95.4	0.92	1.6	7.1	2.2	103	2300	3.50000										

High Output Design*

1	Y3-160LB-2	41.3	39.3	37.9	22	2940	90.5	0.90	2.0	7.5	2.3	86	138	0.07500
2	Y3-180LB-2	55.8	53	51.1	30	2950	91.4	0.90	2.0	7.5	2.3	89	206	0.12400
3	Y3-225MB-2	101	96	92.6	55	2970	93.0	0.90	2.0	7.5	2.3	92	324	0.31200
4	Y3-250MB-2	135	130	125	75	2975	93.6	0.91	2.0	7.0	2.3	93	440	0.57900
5	Y3-250MC-2	162	154	149	90	2975	93.9	0.91	2.0	7.1	2.3	93	468	0.67500
6	Y3-280MB-2	197	188	181	110	2975	94.0	0.91	1.8	7.1	2.2	94	569	1.18000
7	Y3-280MC-2	236	225	217	132	2975	94.5	0.91	1.8	7.1	2.2	94	650	1.182

* The motor is increased output (kW) in a reduced frame size electric motor.

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NO.	Type	Full load current at rated voltage			Rated power KW	Fully loaded speed r/min	Efficiency %	Power factor Cosφ	Direct on line starting torque ratio		Direct on line pull out torque ratio		Sound power level on no load LWA dB(A)	Weight Kg	Rotor inertia kgm ²						
		Amps (A)							Output KW	Speed r/min	EFF. %	P. F. Cosφ				LRT	LRA	BDT	Noise LWA dB(A)	Weight Kg	J kgm ²
		380V	400V	415V												RLT	RLA	RLT			
1	Y3-80M2-4	2.05	1.59	1.88	0.75	1380	73.0	0.76	2.3	6.0	2.3	58	15.5	0.00210							
2	Y3-90S-4	2.85	2.71	2.61	1.1	1390	76.2	0.77	2.3	6.0	2.3	61	19	0.00230							
3	Y3-90L-4	3.72	3.54	3.41	1.5	1400	78.5	0.87	2.3	6.0	2.3	61	23	0.00270							
4	Y3-100L1-4	5.09	4.90	4.72	2.2	1410	80	0.81	2.3	7.0	2.3	64	29	0.00540							
5	Y3-100L2-4	6.78	6.39	6.16	3	1410	82.6	0.82	2.3	7.0	2.3	64	31	0.00670							
6	Y3-112M-4	8.8	8.36	8.06	4	1435	84.2	0.82	2.3	7.0	2.3	65	42	0.00950							
7	Y3-132S-4	11.7	11.2	10.8	5.5	1440	85.7	0.83	2.3	7.0	2.3	71	63.5	0.02140							
8	Y3-132M-4	15.6	14.8	14.3	7.5	1450	87	0.84	2.3	7.0	2.3	71	72	0.02960							
9	Y3-160M-4	22.5	21.4	20.6	11	1460	88.4	0.84	2.2	7.0	2.3	75	110	0.07470							
10	Y3-160L-4	30	28.5	27.5	15	1460	89.4	0.85	2.2	7.5	2.3	75	129	0.09180							
11	Y3-180M-4	36.3	34.5	33.3	18.5	1470	90.0	0.86	2.2	7.5	2.3	76	160	0.13900							
12	Y3-180L-4	43.2	40.8	39.3	22	1470	90.5	0.86	2.2	7.5	2.3	76	178	0.15800							
13	Y3-200L-4	57.6	55.1	53.1	30	1470	91.4	0.86	2.2	7.2	2.3	79	228	0.26200							
14	Y3-225S-4	70.2	66.7	64.3	37	1475	92.0	0.87	2.2	7.2	2.3	81	288	0.40600							
15	Y3-225M-4	84.9	80.7	77.8	45	1475	92.5	0.87	2.2	7.2	2.3	81	313	0.46900							
16	Y3-250M-4	103	98.1	94.6	55	1480	93.0	0.87	2.2	7.2	2.3	83	376	0.66000							
17	Y3-280S-4	138.3	131	127	75	1480	93.6	0.88	2.2	6.8	2.3	86	508	1.12000							
18	Y3-280M-4	165	157	152	90	1480	93.9	0.88	2.2	6.8	2.3	86	581	1.64001							
19	Y3-315S-4	201	191	184	110	1480	94.5	0.88	2.1	6.9	2.2	93	864	3.10000							
20	Y3-315M-4	240	228	220	132	1480	94.8	0.88	2.1	6.9	2.2	93	940	3.62000							
21	Y3-315L1-4	288	273	264	160	1480	94.9	0.89	2.1	6.9	2.2	97	1044	4.13000							
22	Y3-315L2-4	360	342	329	200	1480	94.9	0.89	2.1	6.9	2.2	97	1162	4.73000							
23	Y3-355M2-4	433	412	406	250	1490	95.2	0.90	2.1	6.9	2.2	101	1700	6050000							
24	Y3-355L-4	559	531	511	315	1490	95.2	0.90	2.1	6.9	2.2	101	1900	8.20000							

High Output Design*

1	Y3-180LB-4	43.5	41.0	40.0	22	1470	90.5	0.86	2.2	7.5	2.3	76	165	0.15800
2	Y3-180LC-4	58.0	55.6	53.5	30	1470	91.4	0.86	2.2	7.2	2.3	79	228	0.26200
3	Y3-225MB-4	103.4	98.5	95.0	55	1480	93	0.87	2.2	7.2	2.3	83	376	0.46900
4	Y3-250MB-4	138.7	131.4	127.5	75	1480	93.6	0.88	2.2	6.8	2.3	86	508	1.1200
5	Y3-280MB-4	165.4	157.5	152.4	90	1480	93.9	0.88	2.2	6.8	2.3	86	581	1.64001
6	Y3-280MC-4	201.5	191.4	184.5	110	1480	94.5	0.88	2.1	6.9	2.2	93	864	3.10000
7	Y3-315MB-4	240.4	228.5	220.5	132	1480	94.8	0.88	2.1	6.9	2.2	93	940	3.62000

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