



# Y2 SERIES THREE-PHASE INDUCTION MOTOR

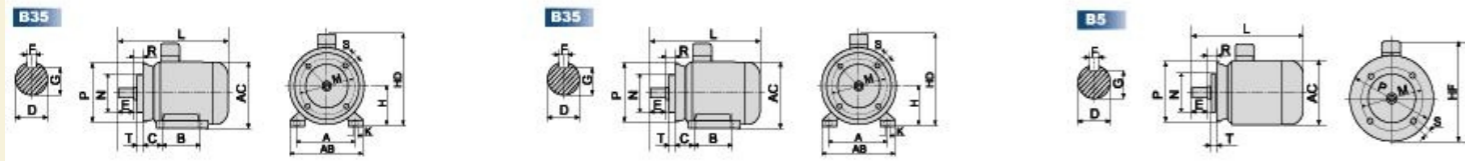


## MOTOR FEATURES

- Utilise IP55 enclosures, others request
- Multiple feet locations
- Aluminum frame, end shields and base
- High strength cable gland
- Shaft key and protector supplied
- Superior paint finish
- Motors made to heavy duty service factors
- Can be made with stainless steel shaft
- Motors made with stainless S1 duty
- Utilise Vacuum impregnated Class B or class F insulation
- High performance and efficiency

## CUSTOMER BENEFITS

- Water dust and vermin resistant
- Quiet operation
- Electricity saving
- Easy installation (bolt on feet) or brackets as required
- Corrosion resistant
- Dependable
- Superior life
- Reliable in country, city or factory environments



## Technical Data

Frame size	Mounting Dimensions (mm)													Frame Dimension (mm)											
	A	B	C	D		E		F		G		H	K	M	N	P	R	S	T	AB	AC	AD	HD	L	
				2P	4, 6, 8, 10P	2P	4, 6, 8, 10P	2P	4, 6, 8, 10P	2P	4, 6, 8, 10P													2P	4, 6, 8, 10P
63	100	80	40	11	23	4	8.5	63	7	115	95	140	10	3	135	130	70	180	230						
71	112	90	45	14	30	5	11	71	7	130	110	160	10	3	150	145	80	195	255						
80	125	100	50	19	40	6	15.5	80	10	165	130	200	12	3.5	165	175	145	220	295						
90S	140	100	56	24	50	8	20	90	10	165	130	200	12	3.5	180	195	155	220	320						
90L	140	125	56	24	50	8	20	90	10	165	130	200	12	3.5	180	195	155	250	345						
100L	160	140	63	28	60	8	24	100	12	215	180	250	15	4	205	215	180	250	385						
112M	190	140	70	28	60	8	24	112	12	215	180	250	15	4	230	240	190	270	400						
132S	216	140	89	38	80	10	33	132	12	265	230	300	15	4	270	275	210	300	470						
132M	216	178	89	38	80	10	33	132	12	265	230	300	15	4	270	275	210	345	510						
160M	254	210	108	42	110	12	37	160	15	300	250	350	19	5	320	330	255	345	615						
160L	254	254	108	42	110	12	37	160	15	300	250	350	19	5	320	330	255	420	670						
180M	279	241	121	48	110	14	42.5	180	15	300	250	350	19	5	355	380	280	420	700						
180L	279	279	121	48	110	14	42.5	180	15	300	250	350	19	5	355	380	280	455	740						
200L	318	305	133	55	110	16	49	200	19	350	300	400	19	5	395	420	305	455	770						
225S	356	286	149	-	60	-	140	-	18	-	53	225	19	5	435	470	335	505	-	820					
225M	356	311	149	55	60	110	140	16	18	49	53	225	19	5	435	470	335	560	815	845					
250M	406	349	168	60	65	140	-	18	20	53	58	250	24	5	490	510	370	615	910						
280S	457	368	190	65	75	140	-	18	20	58	67.5	280	24	5	550	580	410	680	985						
280M	457	419	190	65	75	140	-	18	20	58	67.5	280	24	5	550	580	410	680	1035						
315S	508	406	216	65	80	140	170	18	22	58	71	315	28	6	635	645	630	845	1185	1215					
315M	508	457	216	65	80	140	170	18	22	58	71	315	28	6	635	645	630	845	1295	1325					
315L	508	508	216	65	80	140	170	18	22	58	71	315	28	6	635	645	630	845	1295	1325					
355M	610	560	254	75	95	140	170	20	25	67.5	86	355	28	6	730	710	655	1010	1500	1530					
355L	610	630	254	75	95	140	170	20	25	67.5	86	355	28	6	730	710	655	1010	1500	1530					

# Y2 SERIES THREE-PHASE INDUCTION MOTOR



Model	Power (kw)	Current at 380Vt (A)	Speed (r/min)	Eff (%)	Power factor	Locked rotor torque Rated torque	Locked rotor current Rated current	Max torque Rated torque
Synchronous Speed 3000r/min (2 Poles) 50HZ								
Y2-631-2	0.18	0.52	2825	65	0.80	2.2	5.5	2.2
Y2-632-2	0.25	0.69	2840	68	0.81	2.2	5.1	2.2
Y2-711-2	0.37	0.99	2840	70	0.81	2.2	6.0	2.2
Y2-712-2	0.55	1.4	2880	73	0.82	2.2	6.0	2.2
Y2-801-2	0.75	1.8	2890	75	0.83	2.2	7.0	2.2
Y2-802-2	1.1	2.6	2900	77	0.84	2.2	7.0	2.2
Y2-90S-2	1.5	3.4	2900	79	0.84	2.2	7.0	2.2
Y2-90L-2	2.2	4.8	2930	81	0.85	2.2	7.0	2.2
Y2-100L-2	3.0	6.3	2930	83	0.87	2.2	7.0	2.2
Y2-112M-2	4.0	8.1	2930	85	0.88	2.2	8.0	2.2
Y2-132S1-2	5.5	11	2940	86	0.88	2.2	8.0	2.2
Y2-132S2-2	7.5	15	2950	87	0.88	2.2	8.0	2.2
Y2-160M1-2	11.0	21.3	2950	88	0.88	2.0	8.0	2.2
Y2-160M2-2	15.0	28.7	2970	89	0.89	2.0	8.0	2.2
Y2-160L-2	18.5	34.6	2970	90	0.90	2.0	8.0	2.2
Y2-180M-2	22.0	40.9	2970	90.5	0.90	2.0	8.0	2.2
Y2-200L1-2	30.0	55.4	2970	91.2	0.90	2.0	8.0	2.2
Y2-200L2-2	37.0	67.7	2980	92	0.90	2.0	8.0	2.2
Y2-225M-2	45.0	82.3	2980	92.3	0.90	1.8	8.0	2.2
Y2-250M-2	55	101	2980	92.5	0.90	1.8	7.0	2.2
Y2-280S-2	75	134	2980	93.0	0.90	1.8	7.0	2.2
Y2-280M-2	90	160	2980	93.8	0.91	1.8	7.0	2.2
Y2-315S-2	110	195	2980	94.0	0.91	1.8	6.8	2.2
Y2-315M-2	132	233	2980	94.5	0.91	1.8	6.8	2.2
Y2-315L1-2	160	279	2980	94.6	0.92	1.8	6.8	2.2
Y2-315L2-2	200	348	2980	94.8	0.92	1.8	6.8	2.2
Y2-355M-2	250	433	2980	95.3	0.92	1.6	7.0	2.2
Y2-355L-2	315	544	2980	95.6	0.92	1.6	7.1	2.2
Synchronous Speed 1500r/min (4 poles) 50HZ								
Y2-631-4	0.12	0.44	1400	57	0.72	2.2	4.5	2.2
Y2-632-4	0.18	0.62	1400	60	0.73	2.2	4.5	2.2
Y2-711-4	0.25	0.79	1400	65	0.74	2.2	5.5	2.2
Y2-712-4	0.37	1.12	1400	67	0.75	2.2	5.5	2.2
Y2-801-4	0.55	1.6	1400	71	0.75	2.2	5.5	2.2
Y2-802-4	0.75	2.0	1400	73	0.77	2.2	6.0	2.2
Y2-90S-4	1.1	2.9	1400	75	0.77	2.2	6.0	2.2
Y2-90L-4	1.5	3.7	1400	78	0.79	2.2	6.0	2.2
Y2-100L1-4	2.2	5.1	1420	80	0.81	2.2	7.0	2.2
Y2-100L2-4	3.0	6.8	1420	82	0.82	2.2	7.0	2.2
Y2-112M-4	4.0	8.8	1440	84	0.82	2.2	7.0	2.2
Y2-132S-4	5.5	11.8	1440	85	0.83	2.2	7.0	2.2
Y2-132M-4	7.5	15.5	1440	87	0.84	2.2	7.0	2.0
Y2-160M-4	11.0	22.3	1460	88	0.85	2.0	7.0	2.2
Y2-160L-4	15.0	30	1460	89	0.85	2.0	7.0	2.2
Y2-180M-4	15.8	36.4	1470	90.5	0.85	2.0	7.5	2.2
Y2-180L-4	22.0	43.1	1470	91	0.85	2.2	7.5	2.2
Y2-225S-4	37.0	69.9	1480	92.5	0.87	2.2	7.5	2.2
Y2-225M-4	45.0	84.7	1480	92.8	0.87	2.2	7.5	2.2
Y2-250M-4	55	103	1480	93.0	0.89	2.2	7.0	2.2
Y2-280S-4	75	140	1480	93.8	0.86	2.2	7.0	2.2
Y2-315S-4	110	201	1490	94.5	0.87	2.1	6.9	2.2
Y2-315M-4	132	240	1490	94.8	0.87	2.1	6.9	2.2
Y2-315L1-4	160	287	1490	94.9	0.88	2.1	6.9	2.2
Y2-280M-4	90	167	1490	94.2	0.86	2.2	7.0	2.2
Y2-315L2-4	200	359	1490	95.0	0.88	2.3	6.9	2.2
Y2-355M-4	250	443	1485	95.3	0.88	2.3	6.8	2.2
Y2-355L-4	315	556	1485	95.6	0.89	2.2	6.9	2.2
Y2-200L-4	30.0	57.4	1470	92	0.86	2.2	7.5	2.2
Synchronous Speed 1000r/min (6 poles) 50HZ								
Y2-711-6	0.18	0.74	900	56	0.66	2.2	4.0	2.2
Y2-712-6	0.25	0.94	900	59	0.68	2.0	4.0	2.2
Y2-801-6	0.37	1.3	900	62	0.70	2.0	5.0	2.2
Y2-802-6	0.55	1.8	900	65	0.72	2.0	5.0	2.2
Y2-90S-6	0.75	2.3	910	69	0.72	2.0	5.5	2.2
Y2-90L-6	1.1	3.2	910	72	0.73	2.0	5.5	2.2
Y2-100L-6	1.5	3.9	940	76	0.76	2.0	5.5	2.2
Y2-112M-6	2.2	5.6	940	79	0.76	2.0	6.5	2.2
Y2-132S-6	3.0	7.4	960	81	0.76	2.0	6.5	2.2
Y2-132M1-6	4.0	9.7	960	82	0.76	2.0	6.5	2.2
Y2-132M2-6	5.5	12.9	960	84	0.77	2.0	6.5	2.0
Y2-160M	7.5	16.5	970	86	0.80	2.0	6.5	2.0
Y2-160L-6	11.0	24.1	970	87.5	0.79	2.0	6.5	2.0
Y2-180L-6	15.0	31.5	970	89	0.81	2.0	7.0	2.0
Y2-200L1-6	18.5	38.5	970	90	0.81	2.0	7.0	2.0
Y2-200L2-6	22.0	44.6	970	90	0.83	2.0	7.0	2.0
Y2-225M-6	30.0	59.3	980	91.5	0.84	2.0	7.0	2.1
Y2-250M-6	37.0	71.0	980	92.0	0.86	2.0	7.0	2.0
Y2-280S-6	45.0	86.0	980	92.5	0.86	2.0	7.0	2.0
Y2-280M-6	55	105	980	92.8	0.86	2.0	7.0	2.0
Y2								