



Y2 series three-phase induction motor

B3 Frame with foot end shield without flange

Frame No.	Poles	Mounting dimension and tolerance														
		A	A/2	B	C		D		E		F		G1)		H	
		Basic size	Basic size	Basic size	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation
63M	2、4	100	50	80	40	±1.5	11	+0.006	23	±0.260	4	8.5	63	7		
71M	2、4、6	112	56	90	45		14	-0.003	30		5	0 -0.030	11		0 -0.10	71
80M		125	62.5	100	50		19		40	6	15.5	80				
90S	2、4、6、8	140	70	100	56	±2.0	24	+0.009 -0.004	50	±0.310	8	20	90	10		
90L				125												
100L				140	63											
112M		190	95	140	70		28		60		0 +0.036	24	112	12		
132S		216	108	140	89	38	80	10	33	132						
132M	178															
160M		254	127	210	108		42	+0.018			12	37	160	0 -0.5		

160L				254				+0.002										
180M				241														15
180L		279	139.5	279	121	± 3.0	48		110	± 0.430	14		42.5			180		
200L		318	159	305	133		55				16		49			200		
225S	4、8			286			60		140	± 0.500	18	0 -0.043	53					19
225M	2 4、 6、8	356	178	311	149		55		110	± 0.430	16		49			225		
250M	2 4、 6、8	406	203	349	168		60						53					
280S	2 4、 6、8			368			65				18		0 -0.20			250		
280M	2 4、 6、8	457	228.5	419	190		75		140		20	0 -0.052	67.5			280	24	
315S	2 4、 6、 8、 10			406		± 4.0	65				18	0 -0.043	58					
315M	2 4、 6、 8、 10	508	254	457	216		80		170	± 0.500	22	0 -0.052	71					
315L	2 4、 6、 8、 10			508			65		140		18	0 -0.043	58				0 -1.0	
	2						80		170		22	0 -0.052	71			315	28	
	2						65		140		18	0 -0.043	58					
							80		170		22		57					
							75		140		20		67.5					

355M	4、 6、 8、 10	610	305	560	254	95	+0.035	170	25	0	86	355
							+0.013			-0.052		
355L	2	610	305	530	254	75	+0.030	140	20	67.5	86	355
							+0.011					
	4、 6、 8、 10					95	+0.035	170	25			
							+0.013					

1.G=D-GE and the maximum tolerance of GE is($\begin{matrix} +0.10 \\ 0 \end{matrix}$)for frame NO.80 and is($\begin{matrix} +0.20 \\ 0 \end{matrix}$)for other ones 2.Location tolerance of K h

B5 Frame without foot end shield with flange

Frame No.	Flange No.	Poles	B5 Frame without foot end shield with flange																																
			D		E		F		G1)		M	N		P2)	R3)		Basic size	d																	
			Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation		Basic size	Limit deviation		Basic size	Limit deviation																			
63M	FF115	2、 4	11	+0.006	23	± 0.260	4	8.5	115	90	+0.013	140	10	11	12	13	14	15																	
71M	FF130																		2、 4、 6	14	-0.003	30	5	0	11	0	130	110	-0.009	160					
80M	FF165	2、 4、 6、 8	19	40	± 0.310	6	15.5	165	130	200	12	13	14	15	16	17	18	19																	
90S																			24	50	8	20	215	180	250	300	15	16	17	18	19	20	21	22	23
90L																																			
100L																			FF215	28	60	± 0.370	10	0	24	215	180	250	300	15	16	17	18	19	20
112M	+0.036	0	215	180	250	300	15	16	17	18	19	20	21	22	23	24																			
132S	FF265	38	80	± 0.430	12	37	300	250	350	15	16	17	18	19	20	21	22	23	24																
132M																				0	215	180	250	300	15	16	17	18	19	20	21	22	23	24	
160M	FF300	42	110	± 0.430	14	42.5	300	250	350	15	16	17	18	19	20	21	22	23	24																
160L																				+0.018	+0.014														
180M																				+0.002	-0.013														
180L																																			

		6、 8、 10	80		170			20	-0.052	71									
315M	FF600	2	65		140			18	0 -0.043	58			600	550	±0.022	660			
		4、 6、 8、 10	80		170			22	0 -0.052	71									
315L	FF600	2	65		140			18	0 -0.043	58			600	550	±0.022	660			
		4、 6、 8、 10	80		170	±0.500		22		57									
355M	FF740	2	75		140			20		67.5			740	680	±0.025	800			
		4、 6、 8、 10	95	+0.035 +0.013	170			25	0 -0.052	86									
355L	FF740	2	75	+0.030 +0.011	140			20		67.5			740	680	±0.025	800			
		4、 6、 8、 10	95	+0.035 +0.013	170			25		86									

1) G+D-GE, and the maximum tolerance of GE is ($+0.10$) for frame NO.80 and is ($+0.20$) for other ones.

2.Location tolerance of K,S holes is based on axial line.

3.P size is the maximum limit value.

4.R is the distance from flange nating surface to axial extending shoulder.

B35 Frame with foot end shield with fl

Frame No.	Flange No.	Poles	Mounting dim															
			A	A/2	B	C		D		E		F		G1)		H		
			Basic size	Basic size	Basic size	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size
63M	FF115	2、 4	100	50	80	40		11	+0.006	23		4		8.5		63		
71M	FF130	2、 4、 6	112	56	90	45	±1.5	14	-0.003	30	±0.260	5	0 -0.030	11	0 -0.10	71		
80M			125	63	100	50		19		40		6		16		80		

90S	FF165	2/4/6/8	140	70	100	56	± 2.0	24		50	± 0.310	8		20	90					
90L					125				+0.009				-0.004							
100L	FF215		160	80	140	63		28	60	± 0.370	10	33	100	0						
112M			190	95	140	70								+0.036	112					
132S	FF265		216	108	140	89		38	80	10	33	132	178							
132M					178															
160M	FF300		254	127	210	108		42	110	± 0.430	12	37	160	0						
160L					254									+0.018	-0.002					
180M					279									139.5	241	121	48	14	43	180
180L															279					
200L	FF350	318	159	305	133	55	16	49	200											
225S	FF400	4、8	356	178	286	149	60	140	± 0.500	18	53	0								
225M		2			311							-0.043	225							
250M	FF500	4、6、8	406	203	349	168	60	140	± 0.500	18	58	0								
		2										-0.20	250							
280S	FF500	2	457	228.5	368	190	65	140	± 0.500	20	68	0								
280M		4、6、8			419							+0.030	-0.043	280						
	315S	4/6/8/10	2	406	419	190	75	140	± 0.500	18	58	0								
2			71									-0.052								
		2					65	170	22	71	0									
		2					65	140	18	58	0									

315M			508	254	457	216	80	170	22	-0.043	71	315	-1.0
		4/6/8/10								0			
315L	FF600	2	508	254	508	216	65	140	18	0	58	315	
		4/6/8/10								-0.043			
355M		2	610	305	560	254	75	140	20		68	355	
		4/6/8/10								0			
355L	FF740	2	610	305	530	254	75	+0.035	170	25	86	355	
		4/6/8/10						+0.013					
355L		2	610	305	530	254	75	+0.030	140	20	68	355	
		4/6/8/10						+0.011					
355L		2	610	305	530	254	95	+0.035	170	25	86	355	
		4/6/8/10						+0.013					

1) G+D-GE, and the maximum tolerance of GE is ($\begin{matrix} +0.10 \\ 0 \end{matrix}$) for frame NO.80 and is ($\begin{matrix} +0.20 \\ 0 \end{matrix}$) for other ones.

2.Location tolerance of K,S holes is based on axial line.

3.P size is the maximum limit value.

4.R is the distance from flange nating surface to axial extending shoulder.

B35 Frame with foot end shield with fla

Frame No.	Flange No.	Poles	Mounting dimensi															
			A	A/2	B	C		D		E		F		G1)		H		
			Basic size	Basic size	Basic size	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size
63M	FT75	2、 4	110	50	80	40	±1.5	11	+0.006	23	±0.260	4		8.5		63		
71M	FT85	2、 4、 6	112	56	90	45		14	-0.003	30		5	0	11	0	71		
80M	FT100		125	62.5	100	50		19		40		6		15.5		80		
90S	FT115	2/4/6/8	140	70	100	56	24	50	±0.310	8	20	90	0	24	100	112		
90L					125								+0.009				0	-0.5
100L	FT130		160	80	140	63	±2.0	28	60	±0.370	24	112	+0.036	24	112			
112M													190			95	140	70

1) G+D-GE, and the maximum tolerance of GE is ($\begin{matrix} +0.10 \\ 0 \end{matrix}$) for frame NO.80 and is ($\begin{matrix} +0.20 \\ 0 \end{matrix}$) for other ones.

2.Location tolerance of K,S holes is based on axial line.

3.P size is the maximum limit value.

4.R is the distance from flange mating surface to axial extending shoulder.

Y2-200L2-2	37	2950	67.9	92	0.9		2	
Y2-225M-2	45	2970	82.3	92.3				
Y2-250M-2	55		101	92.5				
Y2-280S-2	75		134	93				
Y2-280M-2	90		160	93.8				
Y2-315S-2	110	2980	195	94	0.91	7.1	1.8	2.2
Y2-315M-2	132		233	94.5				
Y2-315L1-2	160		279	94.6				
Y2-315L2-2	200		348	94.8	0.92			
Y2-355M-2	250		433	95.3				
Y2-355L-2	315		544	95.6			1.6	
Synchronous Speed 1500r/min								
Y2-631-4	0.12	1310	0.44	57	0.72	4.4	2.1	2.2
Y2-632-4	0.18		0.62	60	0.73			
Y2-711-4	0.25	1330	0.79	65	0.75	5.2		
Y2-712-4	0.37		1.12	67	0.75			
Y2-801-4	0.55	1390	1.57	71	0.75		2.4	
Y2-802-4	0.75		2.03	73	0.76			
Y2-90S-4	1.1	1400	2.89	75	0.77	6		
Y2-90L-4	1.5		3.7	78	0.79			
Y2-100L1-	2.2		5.16	80	0.81			

4								
Y2-100L2-4	3	1430	6.78	82	0.82	7	2.3	
Y2-112M-4	4		8.8	84				
Y2-132S-4	5.5	1440	11.7	85	0.83			
Y2-132M-4	7.5		15.6	87	0.84			
Y2-160M-4	11	1460	22.3	88		7.5	2.3	
Y2-160L-4	15		30.1	89	0.85			
Y2-180M-4	18.5	1470	36.5	90.5				
Y2-180L-4	22		43.2	91	0.86			
Y2-200L-4	30		57.6	92				
Y2-225S-4	37	1480	69.9	92.5		7.2	2.2	
Y2-225M-4	45		84.7	92.8				
Y2-250M-4	55		103	93	0.87			
Y2-280S-4	75		140	93.8				
Y2-280M-4	90		167	84.2		6.9	2.1	2.2
Y2-315S-4	110	201	94.5	0.88				
Y2-315M-4	132	1490	240	94.8				
Y2-315L1-4	160		287	94.9	0.89			
Y2-315L2-4	200		359	95				
Y2-355M-4	250	1485	443	95.3	0.9	6.9	2.1	2.2
Y2-355L-4	315		556	95.6				

Synchronous Speed 1000r/min								
Y2-711-6	0.18	850	0.74	56	0.66	4	1.9	2
Y2-712-6	0.25		0.95	59	0.68			
Y2-801-6	0.37	890	1.3	62	0.7	4.7	2	2.1
Y2-802-6	0.55		1.79	65	0.72			
Y2-90S-6	0.75	910	2.29	69	0.73	5.5	2	2.1
Y2-90L-6	1.1		3.18	72				
Y2-100L-6	1.5	940	3.94	76	0.75	6.5	2.1	2.1
Y2-112M-6	2.2		5.6	79	0.76			
Y2-132S-6	3	960	7.4	81	0.77	7	2	2.1
Y2-132M1-6	4		9.8	82				
Y2-132M2-6	5.5		12.9	84				
Y2-160M-6	7.5	970	17	86	0.78	7	2	2.1
Y2-160L-6	11		24.2	87.5	0.81			
Y2-180L-6	15		31.6	89	0.83			
Y2-200L1-6	18.5	980	38.6	90	0.84	7	2	2.1
Y2-200L2-6	22		44.7	90	0.84			
Y2-225M-6	30	980	59.3	91.5	0.84	7	2	2.1
Y2-250M-6	37		71	92				
Y2-280S-6	45		86	92.5				
Y2-315M-6	55		105	92.8				

280M-6									
Y2-315S-6	75		141	93.5	0.86		2	2	
Y2-615M-6	90		169	93.8					
Y2-315L1-6	110		206	94					
Y2-315L2-6	132	990	244	94.2	0.87				
Y2-355M1-6	160		292	94.5		6.7			
Y2-355M2-6	200		365	94.7	0.88		1.9		
Y2-355L-6	250		455	94.9					
Synchronous Speed 750r/min									
Y2-801-8	0.18	630	0.88	51	0.61	3.3	1.9		
Y2-802-8	0.25	640	1.15	54					
Y2-90S-8	0.37	660	1.49	62		4	1.8		
Y2-90L-8	0.55		2.18	63					
Y2-100L1-8	0.75	690	2.17	71	0.67				
Y2-100L2-8	1.1		2.39	73	0.69	5			
Y2-112M-8	1.5	680	4.5	75					
Y2-132S-8	2.2	710	6	78	0.71				
Y2-132M-8	3		7.9	79					
Y2-160M1-8	4	720	10.3	81	0.73	6	1.9		
Y2-160M2-8	5.5		13.6	83		0.74			

8								
Y2-160L-8	7.5		17.8	85.5	0.75			
Y2-180L-8	11		25.1	87.5			2	
Y2-200L-8	15	730	34.1	88	0.76			
Y2-225S-8	18.5		40.6	90				
Y2-225M-8	22		47.4	90.5	0.78			
Y2-250M-8	30		64	91			1.9	
Y2-280S-8	37		78	91.5	0.79	6.6		
Y2-280M-8	45		94	92				
Y2-315S-8	55		111	92.8				2
Y2-315M-8	75		151	93	0.81			
Y2-315L1-8	90	740	178	93.8				
Y2-315L2-8	110		217	94			1.8	
Y2-355M1-8	132		261	93.7				
Y2-355M2-8	160		315	94.2		7.2		
Y2-355L-8	200		388	94.5	0.83			
Synchronous Speed 600r/min								
Y2-315S-10	45		100	91.5				
Y2-315M-10	55		121	92		6.2	1.5	
Y2-315L1-10	75		162	92.5	0.76			

Y2-315L2-10	90	590	191	93	0.77	6	1.3	2
Y2-315M1-10	110		230	93.2				
Y2-315M2-10	132		275	93.5	0.78			
Y2-355L-10	160		334	93.5				