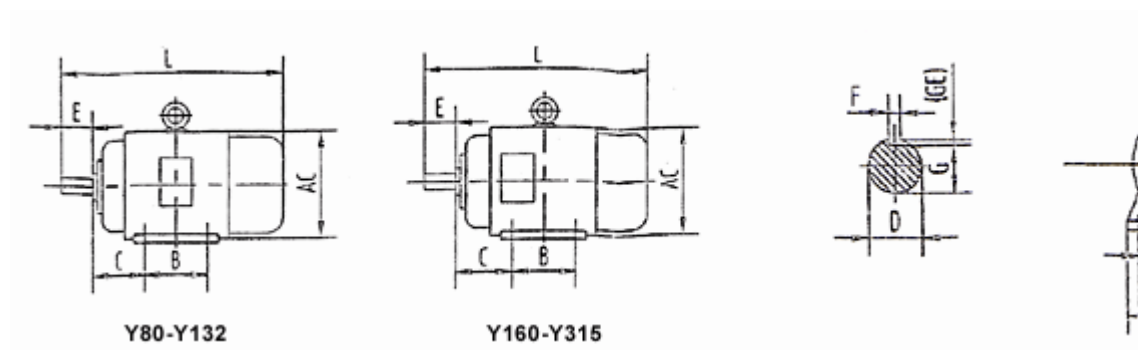




Y series three-phase induction motor

Frame with foot end shield without flange



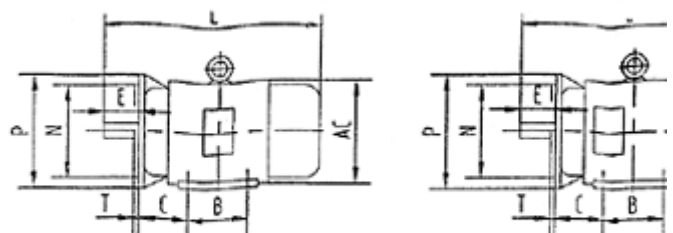
Frame No.	Poles	Mounting dimension and tolerance																		
		A		A/2		B		C			D		E		F		G1)		H	
		Basic size	Basic size	Limit deviation	Basic size	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	Basic size	Limit deviation	
80M	2、4	125	62.5	±0.50	100	50	±1.5	19	+0.009 -0.004	40	±0.310	6	0 -0.030	15.5	0 -0.10	80	0 -0.5			
90S	2、4、6	140	70		100	56		24		50		20		90						
90L		160	80		125	63	±2.0	28		60	8	100								
100L		190	95		140	70		38		80	10	24	112							
112M	140	70	140		70	38	80	10		24	112									
132S	2、4、6、8	216	108	178	89	38	80	10	33	132										
132M		254	127	210	108	±3.0	42	+0.018 +0.002	12	37	160									
160M		254	127	254	108		110		±0.430		12	37	160							
160L		279	139.5	241	121	48	14	42.5	180											
180M		279	139.5	279	121	48	14	42.5	180											

200L		318	159		305	133		55			16		49		200	
225S	4、8			±0.75	286			60		140	±0.500	18		53		
225M	2	356	178		311	149		55		110	±0.430	16		49	225	
	4、6、8				60								0	53		
250M	2	406	203		349	168					18	-0.043			250	
	4、6、8						65						58			
280S	2				368				140		20	0	-0.052	67.5		
	4、6、8						75									
280M	2	457	228.5		419	190		65			18	0	-0.043	58	280	
	4、6、8						75									
315S	2			±1.00	406		±4.0	65	+0.030 +0.011		±0.500	18	0	-0.043	58	0 -0.20
	4、6、8、10									80						
315M	2	508	254		457	216		65		140		18	0	-0.043	58	315
	4、6、8、10						80		170		22	0	-0.052	71		
315L	2				508			65		140		18	0	-0.043	58	
	4、6、8、10						80		170		22	0	-0.052	71		

1)  $G=D-GE$  and the maximum tolerance of  $GE$  is (  $+0.10_0$  ) for frame NO.80 and is (  $+0.20_0$  ) for other ones.

2) Location tolerance of  $K$  hole is based on axial line.

### Frame with fo



Y80-Y132

Frame NO.	Flange No.	Poles	Mounting																					
			A	A/2		B	C		D		E		F		G1)									
			Basic size	Basic size	Limit deviation	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					
80M	FF165	2、4	125	62.5	±0.50	100	50	±1.5	19	+0.009 -0.004	40	±0.310	6	0 -0.030	15.5	0 -0.10	80							
90S		2、 4、6	140	70		100	56		24		50		8		20	90								
90L			160	80		125	63		±2.0		28		60		±0.370	0 -0.036	24	100						
100L	FF215	4、6	190	95	140	70	38	80		10	33	132												
112M			140	70	140	89	10	33		132														
132S	FF265	2、 4、 6、8	254	127	±0.75	210	108	±3.0	42	+0.018 +0.002	110	±0.430	12	37	42.5	49	200							
132M						178												89	38	80	10	33	132	
160M	FF300	2、 4、 6、8	279	139.5	±0.75	241	121	±3.0	48	+0.018 +0.002	110	±0.430	14	42.5	49	200								
160L						254											127	210	108	42	12	37		
180M						279											139.5	241	121	48	14	42.5		
180L						279											139.5	241	121	48	14	42.5		
200L	FF350	4、8	318	159	±0.75	305	133	±4.0	55	+0.030 +0.011	140	±0.500	18	0 -0.043	53	225								
225S	FF400	2	356	178	±1.00	286	149	±4.0	60	+0.030 +0.011	140	±0.500	18	0 -0.043	53	225								
225M		4、 6、8															311	149	55	110	±0.430	16	49	
		2															60	18	53					
250M	FF500	2	406	203	±1.00	349	168	±4.0	65	+0.030 +0.011	140	±0.500	18	0 -0.043	58	250								
280S		4、 6、8															368	190	75	140	20	0 -0.052	67.5	0 -0.20
		2															419	190	65	140	18	0 -0.043	58	
280M		4、 6、8															457	228.5	419	190	65	75	20	0 -0.052
315S	FF600	2	508	254	±1.00	406	216	±4.0	65	+0.030 +0.011	170	±0.500	18	0 -0.043	58	315								
315M		4、 6、 8、 10															457	216	80	170	22	0 -0.052	71	
		2															457	216	65	140	18	0 -0.043	58	
315L		4、 6、															508	216	65	140	18	0 -0.043	58	



315S	FF600	4、 6、 8、 10	80	±0.500	170	22	0 -0.052	71	600	550	±0.022	660	24
315M		2	65		140	18	0 -0.043	58					
		4、 6、 8、 10	80		170	22	0 -0.052	71					
315L		2	65		140	18	0 -0.043	58					
		4、 6、 8、 10	80		170	22	0 -0.052	71					

- 1) G=D-GE and the maximum tolerance of GE is (  $+0.10_0$  ), for frame NO.80 and is(  $+0.20_0$  ) for other ones.
- 2) P size is the maximum limit value.
- 3) R is the distance from flange mating surface to axial extending shoulder.
- 4) Location tolerance of S hole is based on axial line.

Frame size	Speed (r/min)	Outputs (kW)	Current (A)	Eff (%)	Power Factor (%)	Starting Cu	
						Rated Cur Lst/In	
YD801	4	1420	0.45	1.4	66	0.74	6.5
	2	2860	0.55	1.5	65	0.85	7
YD802	4	1420	0.55	1.7	68	0.74	6.5
	2	2860	0.75	2	66	0.85	7
YD90S	4	1430	0.85	2.3	74	0.77	6.5
	2	2850	1.1	2.8	73	0.84	7
YD90L	4	1430	1.3	3.3	76	0.78	6.5
	2	2850	1.8	4.3	74	0.84	7
YD100L1	4	1430	2	4.8	78	0.81	6.5
	2	2850	2.4	5.6	76	0.86	7
YD100L2	4	1430	2.4	5.6	79	0.83	6.5
	2	2850	3	6.7	77	0.89	7
YD112M	4	1450	3.3	7.4	81	0.83	6.5
	2	2860	4	8.6	80	0.88	7
YD132S	4	1450	4.5	9.8	83	0.84	6.5
	2	2860	5.5	11.9	79	0.88	7
YD132M	4	1450	6.5	13.8	84	0.85	6.5
	2	2880	8	17.1	80	0.89	7
YD160M	4	1460	9	18.5	87	0.85	6.5
	2	2920	11	22.9	82	0.89	7
YD160L	4	1460	11	22.3	87	0.86	6.5
	2	2920	14	28.8	82	0.9	7

YD180M	4	1470	15	29.4	89	0.87	6.5
	2	2940	18.5	36.7	85	0.9	7
YD180L	4	1470	18.5	35.9	89	0.88	6.5
	2	2940	22	42.7	86	0.91	7
YD200L	4	1470	26	49.9	89	0.89	6.5
	2	2950	30	58.3	85	0.92	7
YD225S	4	1480	32	60.7	90	0.89	6.5
	2	2960	37	71.7	86	0.92	7
YD225M	4	1480	37	69.4	91	0.89	6.5
	2	2960	45	86.4	87	0.92	7
YD250M	4	1480	45	84.4	91	0.89	6.5
	2	2960	55	103.2	88	0.92	7
YD280S	4	1480	60	111.3	91	0.9	6.5
	2	2970	72	135.1	88	0.92	7
YD280M	6	1480	72	133.6	91	0.9	6.5
	4	2970	82	152.2	88	0.93	7
YD90S	6	920	0.65	2.2	64	0.7	6
	4	1420	0.85	2.3	70	0.79	6.5
YD90L	6	930	0.85	2.8	66	0.7	6
	4	1420	1.1	3	71	0.79	6.5
YD100L1	6	940	1.3	3.8	74	0.7	6
	4	1440	1.8	4.4	77	0.8	6.5
YD100L2	6	940	1.5	4.3	75	0.7	6
	4	1440	2.2	5.4	77	0.8	6.5
YD112M	6	960	2.2	5.7	77	0.75	6
	4	1440	2.8	6.7	77	0.82	6.5
YD132S	6	960	3	7.7	79	0.7	6
	4	1440	4	9.5	80	0.82	6.5
YD132M	6	960	4	9.6	81	0.76	6
	4	1440	5.5	12.3	80	0.85	6.5
YD160M	6	970	6.5	15.1	84	0.78	6
	4	1460	8	17.4	83	0.85	6.5
YD160L	6	970	9	20.6	85	0.78	6
	4	1460	11	23.4	84	0.85	6.5
YD180M	6	980	11	25.9	85	0.78	6
	4	1470	14	29.8	85	0.85	6.5
YD180L	6	980	13	29.4	86	0.78	6
	4	1460	16	33.6	85	0.85	6.5
YD220L	6	980	18.5	41.4	87	0.78	
	4	1460	22	44.7	87	0.86	6.5
YD225S	6	980	22	44.2	88	0.86	6.5
	4	1470	28	56.2	87	0.87	7
YD225M	6	980	26	52.2	88	0.86	6.5
	4	1470	34	66	87	0.9	7
	6	980	32	62.1	90	0.87	6.5

YD250M	4	1470	42	74.7	88	0.91	7
YD280S	6	980	42	81.5	90	0.87	6.5
	4	1480	55	104.2	89	0.9	7
YD280M	6	680	55	106.7	90	0.87	6.5
	4	1420	72	138.1	89	0.89	7
YD90L	8	700	0.45	1.9	58	0.63	5.5
	4	1420	0.75	1.92	72	0.87	6.5
YD100L	8	700	0.85	3.1	68	0.63	5.5
	4	1420	1.5	3.5	75	0.87	6.5
YD112M	8	700	1.5	5	72	0.63	5.5
	4	1420	2.4	5.3	78	0.88	6.5
YD132S	8	720	2.2	7	75	0.64	5.5
	4	1440	3.3	7.1	80	0.88	6.5
YD132M	8	720	3	9.0	78	0.65	5.5
	4	1440	4.5	9.4	82	0.88	6.5
YD160M	8	730	5	13.9	83	0.66	5.5
	4	1450	7.5	15.2	84	0.89	6.5
YD160L	8	730	7	19.0	85	0.66	5.5
	4	1450	11	21.8	86	0.89	6.5
YD180L	8	730	11	26.0	86	0.74	6
	4	1470	17	31.5	87	0.92	7
YD200L1	8	740	14	33.0	86	0.74	6
	4	1470	22	41.3	88	0.92	7
YD200L2	8	740	17	40.1	87	0.74	6
	4	1470	26	48.8	88	0.92	7
YD225M	8	740	24	53.2	89	0.77	6
	4	1480	34	66.7	88	0.88	7
YD250M	8	740	30	64.9	90	0.78	6
	4	1480	42	78.8	89	0.91	7
YD280S	8	740	40	83.5	91	0.8	6
	4	1480	55	102.0	90	0.91	7
YD280M	8	680	47	96.9	91	0.81	6
	4	930	67	122.9	90	0.92	7
YD90S	8	680	0.35	1.6	56	0.6	5
	6	930	0.45	1.4	70	0.72	6
YD90L	8	710	0.45	1.9	59	0.6	5
	6	950	0.65	1.9	71	0.73	6
YD100L	8	710	0.75	2.9	65	0.6	5
	6	950	1.1	3.1	75	0.73	6
YD112M	8	710	1.3	4.5	72	0.61	5
	6	950	1.8	4.8	78	0.73	6
YD132S	8	730	1.8	5.8	75	0.62	5
	6	970	2.4	6.2	80	0.73	6
YD132M	8	730	2.6	8.2	78	0.62	5
	6	970	3.7	9.4	82	0.73	6

YD160M	8	930	4.5	13.3	83	0.62	5
	6	980	6	14.7	85	0.73	6
YD160L	8	930	6	17.5	84	0.62	5
	6	980	8	19.4	86	0.73	6
YD180M	8	930	7.5	21.9	84	0.62	5
	6	980	10	24.2	86	0.73	6
YD180L	8	730	9	24.8	85	0.65	5
	6	980	12	28.3	86	0.75	6
YD200L1	8	730	12	32.5	86	0.65	5
	6	980	17	39.1	87	0.76	6
YD200L2	8	730	15	40.3	87	0.65	5
	6	980	20	45.4	88	0.76	6
YD100L	6/4/2	940/1420/2880	0.75/1.3/1.8	2.62/3.66/4.53	67/72/71	0.65/0.75/0.85	5.5/6/7
YD112M	6/4/2	940/1440/2890	1.1/2/2.4	3.52/5.14/5.80	73/74/74	0.65/0.81/0.85	5.5/6/7
YD132S	6/4/2	940/1440/2900	1.8/2.6/3	5.14/6.10/7.38	75/78/71	0.71/0.83/0.87	5.5/6/7
YD132M1	6/4/2	940/1440/2900	2.2/3.3/4	6.03/7.46/8.79	77/80/76	0.72/0.84/0.91	5.5/6/7
YD132M2	6/4/2	940/1440/2900	2.6/4/5	6.86/9.04/10.8	80/80/77	0.72/0.84/0.91	5.5/6/7
YD160M	6/4/2	940/1440/2900	3.7/5/6	9.52/11.2/13.2	81/81/78	0.72/0.84/0.91	5.5/6/7
YD160L	6/4/2	970/1490/2930	4.5/7/9	11.4/15.1/18.8	83/83/79	0.72/0.85/0.92	5.5/6/7
YD112M	6/4/2	910/1460/2930	0.65/2/2.4	2.66/5.14/5.8	59/74/74	0.63/0.81/0.85	4.5/6/7
YD132S	8/4/2	710/1440/2900	1/2.6/3	3.16/6.10/7.08	69/78/74	0.61/0.83/0.87	4.5/6/7
YD132M	8/4/2	710/1440/2900	1.3/3.7/4.5	4.56/8.37/10.0	71/80/75	0.61/0.84/0.91	4.5/6/7
YD160M	8/4/2	710/1440/2900	2.2/5/6	7.55/11.2/13.2	75/81/76	0.59/0.84/0.91	4.5/6/7
YD160L	8/4/2	720/1460/2930	2.8/7/9	9.21/15.1/18.80	77/83/79	0.60/0.85/0.92	5.5/6.5/
YD112M	8/4/2	710/940/1400	0.85/1/1.5	3.72/3.06/3.53	62/68/75	0.56/0.73/0.86	5.5/6.5/
YD132S	8/6/4	710/940/1440	1.1/1.5/1.8	4.10/4.22/4.03	68/74/78	0.60/0.73/0.87	5.5/6.5/
YD132M1	8/6/4	710/940/1440	1.5/2/2.2	5.18/5.41/4.87	71/77/79	0.62/0.73/0.87	5.5/6.5/
YD132M2	8/6/4	710/940/1440	1.8/2.6/3	6.13/6.84/6.55	72/78/80	0.62/0.74/0.87	5.5/6.5/
YD160M	8/6/4	720/970/1460	3.3/4/5.5	10.2/9.87/11.6	79/81/83	0.62/0.76/0.87	5.5/6.5/
YD160L	8/6/4	720/970/1460	4.5/6/7.5	13.8/14.5/15.6	80/83/84	0.62/0.76/0.87	5.5/6.5/