

YE4 Series Ultra- High Efficiency Three Phase Induction Motors

➤ General Description



- Frame sizes: 80 to 355 Rated output: 0.37 to 400kW
- Voltage: 380V Frequency: 50Hz or 60Hz
- Poles: 2, 4, 6, 8 Efficiency levels: IE4
- Duty Cycle: S1 Enclosure: IC411 - TEFC
- Insulation class: F Degree of protection: IP55

Applications: Can be applied in the machines where continuous duty is required, like pumps, fans, machine etc.

Features: Beautiful profile, high efficiency and energy saving

(Level 1 of GB18613-2012), class F insulation, IP55 protection grade, low noise, little vibration, reliable running.

➤ Performance Data

380V 50Hz

Model	Output kW	FLA	RPM	Eff.%	Power Factor	FLT N.m	$\frac{LRT}{FLT}$ $\frac{T_{st}}{T_N}$	$\frac{LRA}{FLA}$ $\frac{I_{st}}{I_N}$	$\frac{BDT}{FLT}$ $\frac{T_{max}}{T_N}$	dB(A)
Synchronous speed						3000 r/min				
YE4-80M1-2	0.75	1.6	2895	84.9	0.83	2.5	2.2	7.0	2.3	62
YE4-80M2-2	1.1	2.3	2885	86.7	0.83	3.7	2.2	7.3	2.3	62
YE4-90S-2	1.5	3.1	2880	87.5	0.84	5.0	2.2	7.6	2.3	67
YE4-90L-2	2.2	4.4	2875	89.1	0.85	7.3	2.2	7.6	2.3	67
YE4-100L-2	3	5.8	2905	89.7	0.87	9.9	2.2	7.8	2.3	74
YE4-112M-2	4	7.6	2920	90.3	0.88	13.1	2.2	8.3	2.3	77
YE4-132S1-2	5.5	10.4	2945	91.5	0.88	17.8	2.0	8.3	2.3	79
YE4-132S2-2	7.5	14.1	2940	92.1	0.88	24.4	2.0	7.9	2.3	79
YE4-160M1-2	11	20.2	2965	93.0	0.89	35.4	2.0	8.1	2.3	81
YE4-160M2-2	15	27.4	2965	93.4	0.89	48.3	2.0	8.1	2.3	81
YE4-160L-2	18.5	33.7	2965	93.8	0.89	59.6	2.0	8.2	2.3	81
YE4-180M-2	22	39.8	2970	94.4	0.89	70.7	2.0	8.2	2.3	83
YE4-200L1-2	30	54.2	2960	94.5	0.89	96.8	2.0	7.6	2.3	84
YE4-200L2-2	37	66.6	2960	94.8	0.89	119	2.0	7.6	2.3	84
YE4-225M-2	45	79.9	2970	95.1	0.90	144.7	2.0	7.7	2.3	86
YE4-250M-2	55	97.3	2975	95.4	0.90	177	2.0	7.7	2.3	89
YE4-280S-2	75	132	2980	95.6	0.90	240	1.8	7.1	2.3	91
YE4-280M-2	90	159	2975	95.8	0.90	289	1.8	7.1	2.3	91
YE4-315S-2	110	193	2985	96.0	0.90	352	1.8	7.1	2.3	92
YE4-315M-2	132	232	2985	96.0	0.90	422	1.8	7.1	2.3	92

Performance Data

380V 50Hz

Model	Output kW	FLA	RPM	Eff.%	Power Factor	FLT N.m	$\frac{LRT}{FLT}$ $\frac{T_{st}}{T_N}$	$\frac{LRA}{FLA}$ $\frac{I_{st}}{I_N}$	$\frac{BDT}{FLT}$ $\frac{T_{max}}{T_N}$	dB(A)
Synchronous speed 3000 r/min										
YE4-315L1-2	160	278	2985	96.2	0.91	512	1.8	7.2	2.3	92
YE4-315L-2	185	321	2985	96.2	0.91	592	1.8	7.2	2.3	92
YE4-315L2-2	200	347	2985	96.3	0.91	640	1.8	7.2	2.2	92
YE4-315L3-2	220	381	2985	96.3	0.91	704	1.8	7.2	2.2	92
YE4-315L4-2	250	433	2985	96.4	0.91	800	1.6	7.2	2.2	92
YE4-355M1-2	220	381	2985	96.3	0.91	704	1.8	7.2	2.2	100
YE4-355M-2	250	433	2985	96.4	0.91	800	1.6	7.2	2.2	100
YE4-355L1-2	280	485	2985	96.4	0.91	896	1.6	7.2	2.2	100
YE4-355L-2	315	545	2985	96.5	0.91	1008	1.6	7.2	2.2	100
YE4-355 1-2	355	614	2985	96.6	0.91	1136	1.6	7.2	2.2	104
YE4-355 2-2	375	648	2985	96.6	0.91	1200	1.6	7.2	2.2	104
Synchronous speed 1500 r/min										
YE4-80M1-4	0.55	1.3	1435	83.8	0.75	3.7	2.3	6.5	2.3	56
YE4-80M2-4	0.75	1.8	1440	85.6	0.75	5.0	2.3	6.6	2.3	56
YE4-90S-4	1.1	2.5	1445	87.4	0.76	7.3	2.3	6.8	2.3	59
YE4-90L-4	1.5	3.4	1440	88.1	0.77	9.9	2.3	7.0	2.3	59
YE4-100L1-4	2.2	4.6	1455	89.7	0.81	14.4	2.3	7.6	2.3	64
YE4-100L2-4	3	6.2	1455	90.3	0.82	19.7	2.3	7.6	2.3	64
YE4-112M-4	4	8.2	1460	90.9	0.82	26.2	2.2	7.8	2.3	65
YE4-132S-4	5.5	10.9	1475	92.1	0.83	35.6	2.0	7.9	2.3	71
YE4-132M-4	7.5	14.7	1470	92.6	0.84	48.7	2.0	7.5	2.3	71
YE4-160M-4	11	21.0	1470	93.6	0.85	71.5	2.0	7.7	2.3	73
YE4-160L-4	15	28.2	1470	94.0	0.86	97.4	2.0	7.8	2.3	73
YE4-180M-4	18.5	34.7	1475	94.3	0.86	120	2.0	7.8	2.3	76
YE4-180L-4	22	41.0	1475	94.7	0.86	142	2.0	7.8	2.3	76
YE4-200L-4	30	55.8	1480	95.0	0.86	194	2.0	7.3	2.3	76
YE4-225S-4	37	68.6	1485	95.3	0.86	238	2.0	7.4	2.3	78
YE4-225M-4	45	83.2	1485	95.6	0.86	289	2.0	7.4	2.3	78
YE4-250M-4	55	101	1485	95.8	0.86	354	2.0	7.4	2.3	79
YE4-280S-4	75	135	1490	96.0	0.88	481	2.0	6.7	2.3	80
YE4-280M-4	90	162	1490	96.2	0.88	577	2.0	6.9	2.3	80
YE4-315S-4	110	195	1490	96.4	0.89	705	2.0	7.0	2.2	88
YE4-315M-4	132	234	1490	96.5	0.89	846	2.0	7.0	2.2	88
YE4-315L1-4	160	283	1490	96.5	0.89	1026	2.0	7.1	2.2	88
YE4-315L-4	185	327	1490	96.5	0.89	1186	2.0	7.1	2.2	88
YE4-315L2-4	200	350	1490	96.6	0.90	1282	2.0	7.1	2.2	88
YE4-315L3-4	220	384	1490	96.6	0.90	1410	2.0	7.1	2.2	88
YE4-315L4-4	250	436	1480	96.7	0.90	1613	2.0	7.1	2.2	88
YE4-355M1-4	220	384	1490	96.6	0.90	1410	2.0	7.1	2.2	95
YE4-355M-4	250	436	1495	96.7	0.90	1597	2.0	7.1	2.2	95

Performance Data

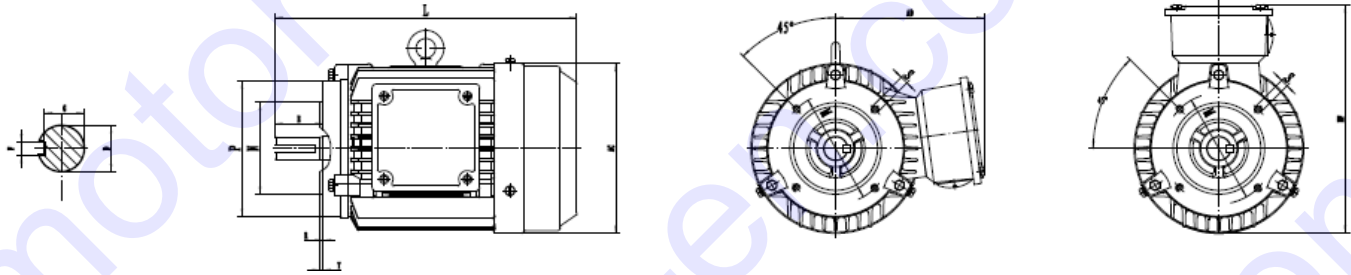
380V 50Hz

Model	Output kW	FLA	RPM	Eff.%	Power Factor	FLT N.m	$\frac{LRT}{FLT}$ $\frac{T_{st}}{T_N}$	$\frac{LRA}{FLA}$ $\frac{I_{st}}{I_N}$	$\frac{BDT}{FLT}$ $\frac{T_{max}}{T_N}$	dB(A)
Synchronous speed 1500 r/min										
YE4-355L1-4	280	489	1495	96.7	0.90	1789	2.0	7.1	2.2	95
YE4-355L-4	315	549	1495	96.8	0.90	2012	2.0	7.1	2.2	95
YE4-3551-4	355	633	1490	96.8	0.88	2275	1.7	7.0	2.2	102
YE4-3552-4	375	669	1490	96.8	0.88	2404	1.7	7.0	2.2	102
Synchronous speed 1000 r/min										
YE4-90S-6	0.75	1.9	955	83.1	0.71	7.5	2.0	6.0	2.1	57
YE4-90L-6	1.1	2.7	955	84.1	0.73	11.0	2.0	6.0	2.1	57
YE4-100L-6	1.5	3.6	960	86.2	0.73	14.9	2.0	6.5	2.1	61
YE4-112M-6	2.2	5.2	975	87.1	0.74	21.5	2.0	6.6	2.1	65
YE4-132S-6	3	6.9	985	88.7	0.74	29.1	1.9	6.8	2.1	69
YE4-132M1-6	4	9.2	985	89.7	0.74	38.8	1.9	6.8	2.1	69
YE4-132M2-6	5.5	12.4	985	89.5	0.75	53.3	1.9	7.0	2.1	69
YE4-160M-6	7.5	16.0	980	90.2	0.79	73.1	2.0	7.0	2.1	70
YE4-160L-6	11	22.8	980	91.5	0.80	107	2.0	7.2	2.1	70
YE4-180L-6	15	30.4	990	92.5	0.81	145	1.9	7.3	2.1	73
YE4-200L1-6	18.5	37.3	980	93.1	0.81	180	1.9	7.3	2.1	73
YE4-200L2-6	22	43.9	985	93.9	0.81	213	1.9	7.4	2.1	73
YE4-225M-6	30	58.2	990	94.3	0.83	289	1.9	6.9	2.1	74
YE4-250M-6	37	70.7	990	94.6	0.84	357	1.9	7.1	2.1	76
YE4-280S-6	45	84.8	990	94.9	0.85	434	1.9	7.3	2.0	78
YE4-280M-6	55	102	990	95.2	0.86	531	1.9	7.3	2.0	78
YE4-315S-6	75	142	990	95.4	0.84	723	1.9	6.6	2.0	83
YE4-315M-6	90	168	990	95.6	0.85	868	1.9	6.7	2.0	83
YE4-315L1-6	110	206	990	95.6	0.85	1061	1.9	6.7	2.0	83
YE4-315L2-6	132	243	990	95.8	0.86	1273	1.9	6.8	2.0	83
YE4-315L3-6	160	294	990	96.0	0.86	1543	1.9	6.8	2.0	83
YE4-315L4-6	185	340	990	96.0	0.86	1785	1.9	6.8	2.0	83
YE4-355M1-6	160	294	995	96.0	0.86	1536	1.9	6.8	2.0	85
YE4-355M-6	185	340	995	96.0	0.86	1776	1.9	6.8	2.0	85
YE4-355M2-6	200	363	995	96.1	0.87	1920	1.9	6.8	2.0	85
YE4-355L1-6	220	400	995	96.1	0.87	2112	1.9	6.8	2.0	85
YE4-355L-6	250	454	995	96.1	0.87	2399	1.9	6.8	2.0	85
YE4-3551-6	280	509	995	96.1	0.87	2687	1.9	6.8	2.0	91
YE4-3552-6	315	579	995	96.1	0.86	3023	1.9	6.8	2.0	91
YE4-355L4-6	355	653	995	96.1	0.86	3407	1.9	6.8	2.0	91

Dimensions & Mounting

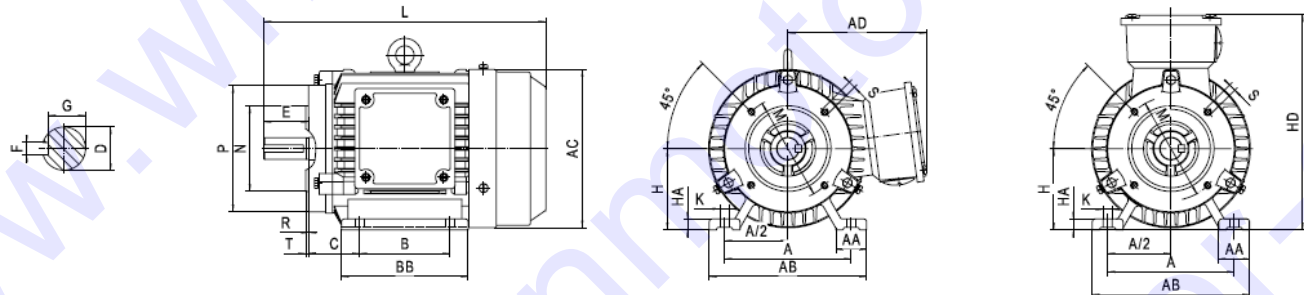
B14 (Footless and Small Flange Mounted)

mm



Frame	Poles	Mounting Dimension										Overall Dimension			
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
80M	2,4,6	19	40	6	15.5	100	80	120	0	4-M6	3	165	145	225	305
90S	2,4,6	24	50	8	20	115	95	140	0	4-M8	3	180	165	255	360
90L	2,4,6														385
100L	2,4,6	28	60	8	24	130	110	160	0	4-M8	3.5	205	175	275	445
112M	2, 4,6	28	60	8	24	130	110	160	0	4-M8	3.5	225	190	300	455

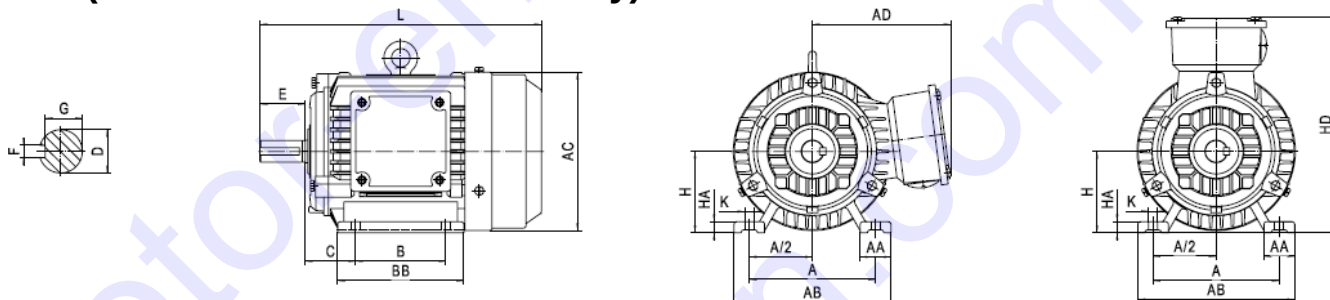
B34 (Foot and Small Flange Mounted)



Frame	Poles	Mounting Dimension															Overall Dimension									
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AA	BB	HA	AB	AC	AD	HD	L		
80M	2,4,6	125	100	50	19	40	6	15.5	80	10	100	80	120	0	4-M6	3	32	150	10	160	165	145	225	305		
90S	2,4,6	140	100	56	24	50	8	20	90	10	115	95	140	0	4-M8	3	34	185	12	180	180	165	255	360		
90L	2,4,6		125															210						385		
100L	2,4,6	160	140	63	28	60	8	24	100	12	130	110	160	0	4-M8	3.5	39	238	14	200	205	175	275	445		
112M	2, 4,6	190	140	70	28	60	8	24	112	12	130	110	160	0	4-M8	3.5	45	230	14	230	225	190	300	455		

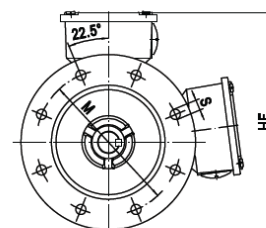
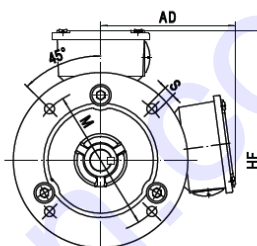
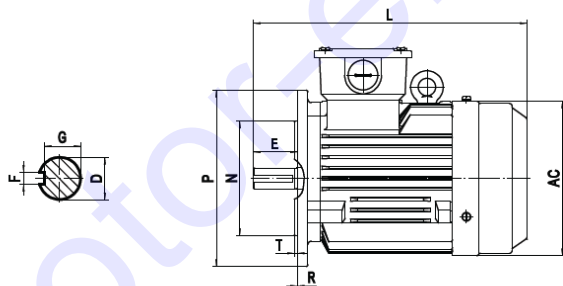
mm

B3 (Horizontal Foot Mounted Only)



Frame	Poles	Mounting Dimension									Overall Dimension											
		A	B	C	D	E	F	G	H	K	AA	BB	HA	AB	AC	AD	HD	L				
80M	2,4,6	125	100	50	19	40	6	15.5	80	10	32	150	10	160	165	145	225	305				
90S	2,4,6	140	100	56	24	50	8	20	90	10	34	185	12	180	180	165	255	360				
90L			125									210						385				
100L	2,4,6	160	140	63	28	60	8	24	100	12	39	238	14	200	205	175	275	445				
112M	2,4,6	190	140	70	28	60	8	24	112	12	45	230	14	230	225	190	300	455				
132S1	2	216	140	89	38	80	10	33	132	12	55	190	18	265	270	220	350	475				
132S2												230						510				
132S	4	216	140	89	38	80	10	33	132	12	55	230	18	265	270	220	350	510				
	6											190						475				
132M	2,4,6	216	178	89	38	80	10	33	132	12	55	230	18	265	270	220	350	510				
160M	2,4,6	254	210	108	42	110	12	37	160	15	65	304	20	315	320	260	420	655				
160L			254									685										
180M	2,4,6	279	241	121	48	110	14	42.5	180	15	70	331	22	355	360	265	445	705				
180L			279									369						745				
200L	2,4,6	318	305	133	55	110	16	49	200	19	74	379	26	395	400	305	505	815				
225S	4	356	286	149	60	140	18	53	225	19	78	375	28	435	450	325	550	830				
225M	2		311									55						110	16	49	400	825
	4,6																					
250M	2	406	349	168	60	140	18	53	250	24	80	445	30	490	510	380	630	890				
	4,6																		65	58		
280S	2	457	368	190	65	140	18	58	280	24	90	485	35	545	550	395	675	975				
	4,6																		75	67.5		
280M	2		419		65		18	58				536						1025				
	4,6																		75	20	67.5	
315S	2	508	406	216	65	140	18	58	315	28	120	570	45	635	630	540	855	1180				
	4,6																	80	170	22	71	610
315M	2		457		65	140	18	58				680										
	4,6																	80	170	22	71	1290
315L	2	508	65	140	18	58	1320															
	4,6							80	170	22	71	1390										
355M	2	610	560	254	75	140	20						67.5	355	28	130	690	52	735	715	645	1000
	4,6							95	170	25	86	750										
355L1	2		630		75	140	20						67.5				1530					
	4,6							95	170	25	86	1530										
355L2/ L3	2	630	80	170	22	71	1530															
	4,6							110	210	28	100	1570										

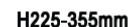
B5 (Footless and B5 Flange Mounted)



H80-200mm

H225-280mm

Frame	Poles	Mounting Dimension										Overall Dimension			
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L
80M	2,4,6	19	40	6	15.5	165	130	200	0	4-Φ12	3.5	165	145	245	305
90S	2,4,6	24	50	8	20	165	130	200	0	4-Φ12	3.5	180	165	265	360
90L															385
100L	2,4,6	28	60	8	24	215	180	250	0	4-Φ15	4	205	175	300	445
112M	2,4,6	28	60	8	24	215	180	250	0	4-Φ15	4	225	190	315	455
132S1	2	38	80	10	33	265	230	300	0	4-Φ15	4	270	220	370	475
132S2															510
132S	4	38	80	10	33	265	230	300	0	4-Φ15	4	270	220	370	510
	6														475
132M	2,4,6	38	80	10	33	265	230	300	0	4-Φ15	4	270	220	370	510
160M	2,4,6	42	110	12	37	300	250	350	0	4-Φ19	5	320	260	435	655
160L															685
180M	2,4,6	48	110	14	42.5	300	250	350	0	4-Φ19	5	360	265	440	705
180L															745
200L	2,4,6	55	110	16	49	350	300	400	0	4-Φ19	5	400	305	505	815
225S	4	60	140	18	53	400	350	450	0	8-Φ19	5	450	325	550	830
225M	2	55	110	16	49										825
	4,6	60	140	18	53										855
250M	2	60	140	18	53	500	450	550	0	8-Φ19	5	510	380	655	890
	4,6	65			58										
280S	2	65	140	18	58	500	450	550	0	8-Φ19	5	550	395	670	975
	4,6	75		20	67.5										
280M	2	65		18	58										1025
	4,6	75		20	67.5										



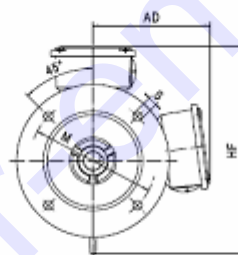
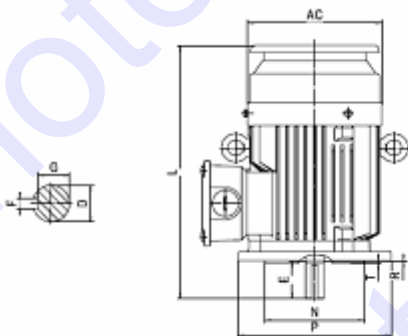
Frame	Poles	Mounting Dimension															Overall Dimension																																					
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AA	BB	HA	AB	AC	AD	HD	L																														
80M	2,4,6	125	100	50	19	40	6	15.5	80	10	165	130	200	0	4-Φ 12	3.5	32	150	10	160	165	145	225	305																														
90S	2,4,6	140	100	56	24	50	8	20	90	10	165	130	200	0	4-Φ 12	3.5	34	185	12	180	180	165	255	360																														
90L			125															210						385																														
100L	2,4,6	160	140	63	28	60	8	24	100	12	215	180	250	0	4-Φ 15	4	39	238	14	200	205	175	275	445																														
112M	2,4,6	190	140	70	28	60	8	24	112	12	215	180	250	0	4-Φ 15	4	45	230		230	225	190	300	455																														
132S1	2	216	140	89	38	80	10	33	132	12	265	230	300	0	4-Φ 15	4	55	190	18	265	270	220	350	475																														
132S2																		230						510																														
132S	4	216	140	89	30	80	10	33	132	12	265	230	300	0	4-Φ 15	4	55	230	18	265	270	220	350	510																														
	6																	190						475																														
132M	2,4,6	216	178	89	30	80	10	33	132	12	265	230	300	0	4-Φ 15	4	55	230	18	265	270	220	350	510																														
160M	2,4,6	254	210	108	42	110	12	37	160	15	300	250	350	0	4-Φ 19	5	65	304	20	315	320	260	420	655																														
160L			254															334						685																														
180M	2,4,6	279	241	121	48	110	14	42.5	180	15	300	250	350	0	4-Φ 19	5	70	331	22	355	360	265	445	705																														
180L			279															369						745																														
200L	2,4,6	318	305	133	55	110	16	49	200	19	350	300	400	0	4-Φ 19	5	74	379	26	395	400	305	505	815																														
225S	4	356	286	149	60	140	18	53	225	19	400	350	450	0	8-Φ 19	5	78	375	28	435	450	325	550	830																														
225M	2		311		55	110	16	49										400						350	450	0	8-Φ 19	5	78	400	825																							
	4, 6				60	140	53	250										24						500	450	550	0	8-Φ 19	5	80	445	30	490	510	380	630	890																	
250M	2	406	349	168	60	140	18	58	250	24	500	450	550	0	8-Φ 19	5	80	445	30	490	510	380	630	890																														
	4, 6				65																				140	58	280	24	500	450	550	0	8-Φ 19	5	90	485	35	545	550	395	675	975												
280S	2	457	368	190	65	140	20	67.5	280	24	500	450	550	0	8-Φ 19	5	90	485	35	545	550	395	675	1025																														
280M	4, 6				75																				18	58	280	24	500	450	550	0	8-Φ 19	5	90	536	1290																	
	2				65																				18	58	280	24	500	450	550	0	8-Φ 19	5	90	536																		
315S	2	406	457	216	65	140	18	58	315	28	600	550	660	0	8-Φ 24	6	120	570	45	635	630	540	855	1180																														
	4,6				80	170	22	71																1210																														
315M	2	65			140	18	58	315																28	600	550	660	0	8-Φ 24	6	120	610	45	635	630	540	855	1215																
	4,6	80			170	22	71																															1245																
315L	2	508			65	140	18																															58	315	28	600	550	660	0	8-Φ 24	6	120	680	45	635	630	540	855	1290
	4,6				80	170	22																															71																1320
355M	2	610	560	254	75	140	20	67.5	355	28	740	680	800	0	8-Φ 24	6	130	690	52	735	715	645	1000	1390																														
	4,6				95	170	25	86																1420																														

355L/L1	2	610	630	254	75	140	20	67.5	355	28	740	680	800	0	8-Φ 24	6	130	750	52	735	715	645	1000	1500
	4,6				95	170	25	86																1530
355L2/ L3	2				80	170	22	71																1530
	4,6				110	210	28	100																1570

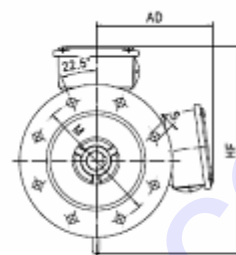
Dimensions & Mounting

mm

V1 (Vertical Shaft down Footless Flange Mounted)



H180-200mm



H225-355mm

Frame	Poles	Mounting Dimension										Overall Dimension					
		D	E	F	G	M	N	P	R	S	T	AC	AD	HF	L		
80M	2,4,6	19	40	6	15.5	165	130	200	0	4- ϕ 12	3.5	165	145	245	315		
90S	2,4,6	24	50	8	20	165	130	200	0	4- ϕ 12	3.5	180	165	265	385		
90L															435		
100L	2,4,6	28	60	8	24	215	180	250	0	4- ϕ 15	4	205	175	300	475		
112M	2,4,6	28	60	8	24	215	180	250	0	4- ϕ 15	4	225	190	315	485		
132S1	2	38	80	10	33	265	230	300	0	4- ϕ 15	4	270	220	370	510		
132S2															550		
132S	4	38	80	10	33	265	230	300	0		4	270	220	370	550		
	6														510		
132M	2,4,6	38	80	10	33	265	230	300	0	4- ϕ 15	4	270	220	370	550		
160M	2,4,6	42	110	12	37	300	250	350	0	4- ϕ 19	5	320	260	435	700		
160L															730		
180M	2,4,6	48	110	14	42.5	300	250	350	0	4-ϕ19	5	360	265	500	750		
180L															795		
200L	2,4,6	55	110	16	49	350	300	400	0	4-ϕ19	5	400	305	570	870		
225S	4	60	140	18	53	400	350	450	0	8-ϕ19	5	450	325	615	890		
225M	2	55	110	16	49										885		
	4,6	60	140	18	53										915		
250M	2	60	140	18	53	500	450	550	0	8-ϕ19	5	510	380	715	955		
	4,6	65			58												
280S	2	65	140	18	58	500	450	550	0	8-ϕ19	5	550	395	760	1045		
	4,6	75		20	67.5												
280M	2	65		18	58										20	67.5	1100
	4,6	75															
315S	2	65	140	18	58	600	550	660	0	8-ϕ24	6	630	540	970	1310		
	4,6,8	80	170	22	71										1340		

315M	2	65	140	18	58	600	550	660	0	8-Φ24	6	630	540	970	1345
	4,6,8	80	170	22	71										1375
315L	2	65	140	18	58	600	550	660	0	8-Φ24	6	630	540	970	1420
	4,6,8	80	170	22	71										1450
355M	2	75	140	20	67.5	740	680	800	0	8-Φ24	6	715	645	1135	1530
	4,6,8	95	170	25	86										1560
355LL1	2	75	140	20	67.5	740	680	800	0	8-Φ24	6	715	645	1135	1640
	4,6,8	95	170	25	86										1670
355L2/ L3	2	80	170	22	71	740	680	800	0	8-Φ24	6	715	645	1135	1670
	4,6,8	110	210	28	100										1710

Conventional mounting type and suitable frame size are given in following table (with “√”)

Frame	basic type			derived type											
	B3	B5	B35	V1	V3	V5	V6	B6	B7	B8	V15	V36	B14	B34	V18
63~112	√	√	√	√	√	√	√	√	√	√	√	√	√	√	√
132~160	√	√	√	√	√	√	√	√	√	√	√	√	-	-	-
180~280	√	√	√	√	-	-	-	-	-	-	-	-	-	-	-
315~355	√	-	√	√	-	-	-	-	-	-	-	-	-	-	-

If there is no other request in the order or agreement, terminal box position at the right side of the frame is regarded as standard; data above may be changed without prior notice.