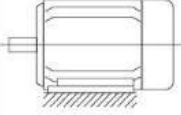
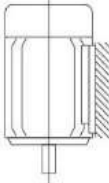
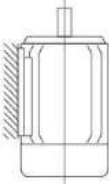
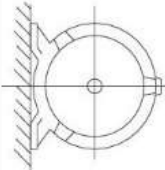
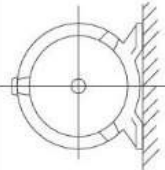
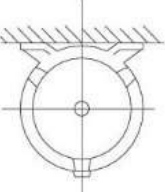
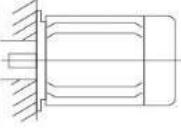
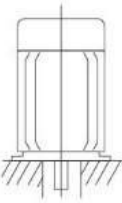
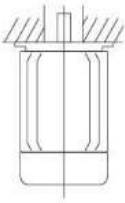
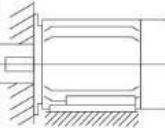
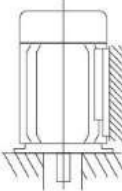
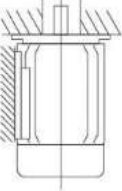
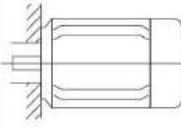
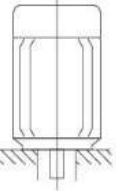
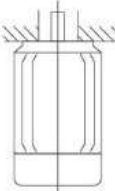
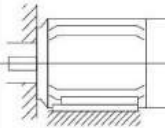
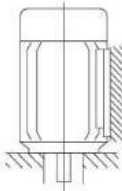
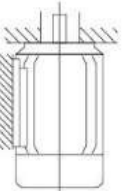
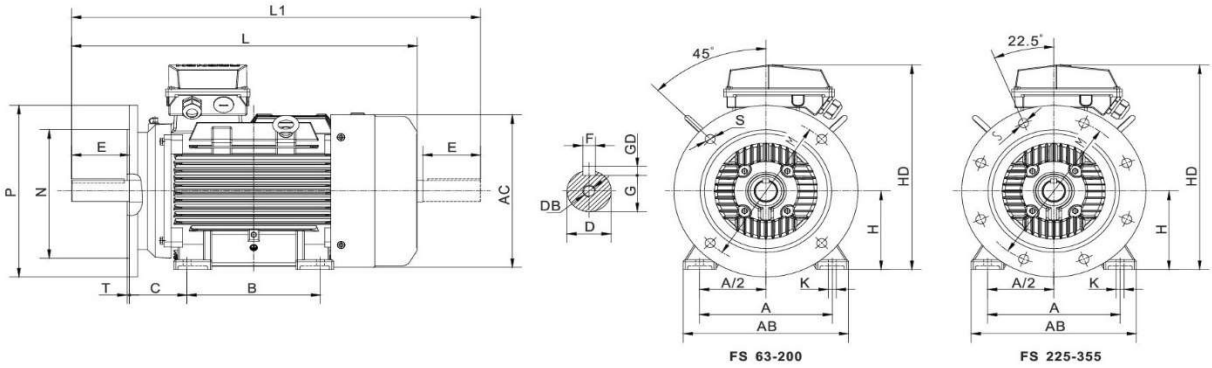


**Mounting arrangements according to IEC 60034-7 standard**

Mounting arrangements	Feet mounting without Flange					
	B3(IM1001)	V5(IM1011)	V6(IM1031)	B6(IM1051)	B7(IM1061)	B8(IM1071)
Range	H63~H355	H63~H160	H63~H160	H63~H160	H63~H160	H63~H160
Diagram						
Mounting arrangements	Large flange mounting without feet			Large flange and mounting		
	B5(IM3001)	V1(IM3011)	V3(IM3031)	B35(IM2001)	V15(IM2011)	V36(IM2031)
Range	H63~H280	H63~H355	H63~H160	H63~H355	H63~H160	H63~H160
Diagram						
Mounting arrangements	Small flange mounting without feet			Small flange and feet mounting		
	B14(IM3601)	V18(IM3611)	V19(IM3631)	B34(IM2101)	V58(IM2111)	V69(IM2131)
Range	H63~H132	H63~H132	H63~H132	H63~H132	H63~H132	H63~H132
Diagram						

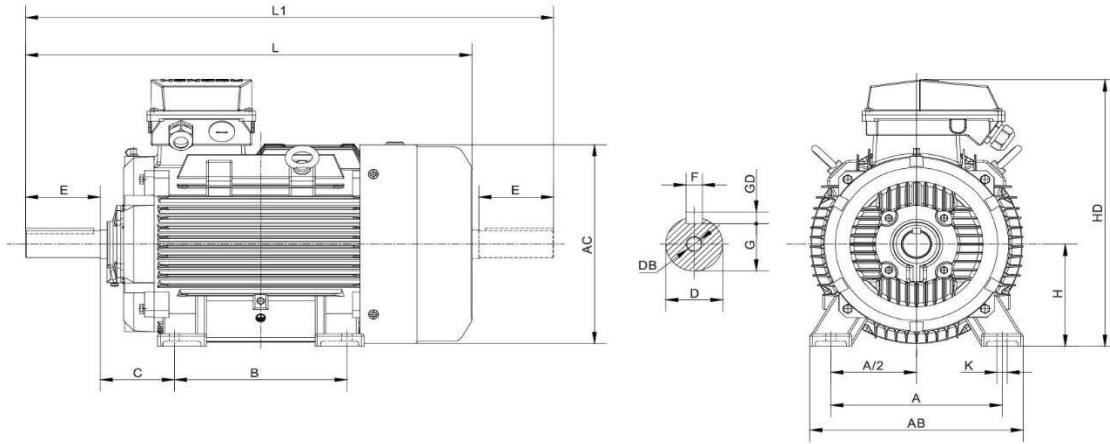
DIMENSIONS MOUNT **B35**



**FS 63-355**  
NOTES: FS 63-90 motor without eyebolts

Frame size	Poles	Mounting Dimensions																	OVERALL DIMENSIONS						
		A	A/2	B	C	D	E	F	G	H	K	M	N	P	R	S	T	Flange holes	DB	GD	AB	AC	HD	L	L1
63M	2.4	100	50	80	40	11	23	4	8.5	63	7	115	95	140		10	3	M4	4	135	130	180	230	255	
71M	2.4, 6	112	56	90	45	14	30	5	11	71		130	110	160				M5	5	150	145	195	255	290	
80M		125	62.5	100	50	±1.5	19	40	6	80		165	130	200	±1.5			M6	6	165	175	220	295	340	
90S		100		100	56		24			90	10					12	3.5	M8		180	195	250	320	375	
90L		140	70	125			24		8										7	180	195	250	345	400	
100L		160	80	140	63		28			100		215	180	250			-0.430	M10		205	215	270	385	450	
112M		190	95	140	70		28		60	112	12			250	±2.0	15	4			230	240	300	400	465	
132S	24, 6, 8			140			38					265	230	300				M12		270	275	345	470	555	
132M		216	108	178	89		38		80	132				300					8	270	275	345	510	595	
160M		254	127	210	108		42		12	160		300	250	350				M16		320	330	420	615	730	
160L		254	127	254	108		42		12	160				350						320	330	420	670	785	
180M		279	139.5	241	121	±3.0	48		110	180	15	300	250	350	±3.0		0	M16		355	380	455	700	815	
180L		279	139.5	279	121		48		110	180				350			-0.120			355	380	455	740	855	
200L		318	159	305	133		55		16	200		350	300	400					10	395	420	505	770	885	
225S	4, 8			286			60		140	225	19	400	350	450					11				815	960	
225M		356	178	311	149		55		110	225		400	350	450		19	-0.520		10	435	470	560	820	935	
250M		406	203	349	168		60								0								845	990	
280S	2			368			65		140	250									11	490	510	615	910	1055	
280M		457	228.5	368	190		65		140	250		500	450	550									1055	1055	
280L		457	228.5	419	190		65		140	280	24	500	450	550					12	550	580	680	985	1130	
315S	2			406		±4.0	65		18										11				1035	1180	
315M		508	254	406			65		18														1160	1315	
315L		508	254	406			65		18														1190	1375	
355M	2			457			65		140	315		600	550	660					11	635	645	800	1270	1425	
355L		508	254	457	216		65		140	315		600	550	660					14				1300	1485	
355M		560		457			65		140	315									11				1270	1425	
355L		560		457			65		140	315									14				1300	1485	
355M		610	305	560			75		140	355						24	6		12				1500	1650	
355L		610	305	560			75		140	355		740	680	800			-0.150		M24	14	7300	710	880	1530	1710
355L		630		560			75		140	355									M20	12				1500	1650
355L		630		560			75		140	355									M24	14				1530	1710

DIMENSIONS MOUNT B3



**FS 63-355**  
NOTES: FS 63-90 motor without eyebolts

Frame size	Poles	Mounting Dimensions											OVERALL DIMENSIONS					
		A	A/2	B	C	D	E	F	G	H	K	DB	GD	AB	AC	HD	L	L1
63M	2, 4	100	50	80	40	11	23	6	8.5	63	7	M4	4	135	130	180	230	255
71M	2, 4, 6	112	56	90	45	14	30	0	11	71	7	M5	5	150	145	195	255	290
80M	2, 4, 6, 8	125	62.5	100	50	19	40	0	15.5	80	10	M6	6	165	175	220	295	340
90S		140	70	100	56	24	50	8	20	99	10	M8	7	180	195	250	320	375
90L		125	56	100	56	24	50	8	20	99	10	M8	7	180	195	250	345	400
100L		160	80	140	63	28	60	0	24	100	12	M10	7	205	215	270	385	450
112M		190	95	140	70	28	60	0	24	112	12	M10	7	230	240	300	400	465
132S		216	108	140	89	38	80	10	33	132	12	M12	8	270	275	345	470	555
132M		178	89	140	89	38	80	10	33	132	12	M12	8	270	275	345	510	595
160M		254	127	210	108	42	110	12	37	160	15	M16	8	320	330	420	615	730
160L		254	127	254	108	42	110	12	37	160	15	M16	8	320	330	420	670	785
180M		279	139.5	241	121	48	110	14	42.5	180	15	M16	9	355	380	455	700	815
180L	279	139.5	279	121	48	110	14	42.5	180	15	M16	9	355	380	455	740	855	
200L	318	159	305	133	55	110	16	49	200	19	M20	10	395	420	505	770	885	
225S	4, 8	356	178	286	149	60	140	18	53	225	19	M11	11	435	470	560	815	960
225M	2			311		55	110	16	49	225	19	M10	10	435	470	560	820	935
250M	4, 6, 8	406	203	349	168	60	140	18	53	250	24	M12	12	490	510	615	845	990
280S	2	457	228.5	368	190	65	140	18	58	280	24	M14	14	550	580	680	855	1055
280M	4, 6, 8			419		75	140	20	58	280	24	M12	12	550	580	680	895	1130
315S	2	508	254	406	216	65	140	20	58	315	28	M16	16	635	645	800	1035	1180
315M	4, 6, 8, 10			457		75	140	20	58	315	28	M14	14	635	645	800	1160	1315
315L	2	508	254	406	216	80	140	22	71	315	28	M18	18	730	710	880	1190	1375
315M	4, 6, 8, 10			457		80	140	22	71	315	28	M16	16	730	710	880	1270	1425
355M	2	610	305	560	254	75	140	20	67.5	355	28	M20	20	800	800	1000	1300	1485
355L	4, 6, 8, 10			508		80	140	22	71	355	28	M18	18	800	800	1000	1270	1425
355M	4, 6, 8, 10	610	305	560	254	95	170	25	86	355	28	M24	24	900	900	1100	1300	1485
355L	2			508		80	170	25	86	355	28	M20	20	900	900	1100	1530	1710
355L	4, 6, 8, 10	610	305	630	254	95	170	25	86	355	28	M24	24	900	900	1100	1530	1710
355L	2			508		80	170	25	86	355	28	M20	20	900	900	1100	1530	1710

## Technical data

Type No.	Rated output		Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A	Rated speed (r/min)	Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A	Rated speed (r/min)	EFF %	Power factor cos φ	Rated Torque N.m	Locked Torque Rated Torque TST/TFL	Locked Current Rated Torque IST/IFL	Max Torque Rated Torque TM/TFL	Noise level LW dB(A)	Weight (Kg)
	(kW)	HP	380~420V/50Hz				440~480V/60Hz											
Synchronous speed 1000r/min																		
IE1-71M1-6	0.18	0.25	0.74	0.70	0.67	850	0.64	0.61	0.59	1020	56.0	0.66	2.0	1.9	4.0	2.0	52	10
IE1-71M2-6	0.25	0.37	0.95	0.90	0.86	850	0.82	0.78	0.75	1020	59.0	0.68	2.8	1.9	4.0	2.0	52	11
IE1-80M1-6	0.37	0.50	1.30	1.24	1.18	900	1.12	1.07	1.03	1080	62.0	0.70	4.0	1.9	4.7	2.0	54	15
IE1-80M2-6	0.55	0.75	1.79	1.70	1.62	900	1.55	1.48	1.42	1080	65.0	0.72	5.9	1.9	4.7	2.1	54	16
IE1-90S-6	0.75	1.00	2.29	2.18	2.07	910	1.98	1.89	1.81	1090	69.0	0.72	7.9	2.0	5.5	2.1	57	20
IE1-90L-6	1.1	1.5	3.18	3.02	2.88	910	2.75	2.63	2.52	1090	72.0	0.73	11.5	2.0	5.5	2.1	57	23
IE1-100L-6	1.5	2.0	4.00	3.80	3.62	930	3.45	3.30	3.17	1115	76.0	0.75	15.6	2.0	5.5	2.1	61	30
IE1-112M-6	2.2	3.0	5.57	5.29	5.04	940	4.81	4.60	4.41	1125	79.0	0.76	22.5	2.0	6.5	2.1	65	39
IE1-132S-6	3	4.0	7.40	7.03	6.70	960	6.39	6.11	5.86	1150	81.0	0.76	29.8	2.1	6.5	2.1	69	55
IE1-132M1-6	4	5.5	9.75	9.26	8.82	960	8.42	8.05	7.72	1150	82.0	0.76	39.8	2.1	6.5	2.1	69	68
IE1-132M2-6	5.5	7.5	12.9	12.3	11.7	960	11.1	10.7	10.2	1150	84.0	0.77	54.4	2.1	6.5	2.1	69	73
IE1-160M-6	7.5	10.0	17.2	16.3	15.6	970	14.9	14.2	13.6	1160	86.0	0.77	73.8	2.0	6.5	2.1	73	104
IE1-160L-6	11	15	24.5	23.3	22.2	970	21.2	20.2	19.4	1160	87.5	0.78	108.3	2.0	6.5	2.1	73	126
IE1-180L-6	15	20	31.6	30.0	28.6	970	27.3	26.1	25.0	1160	89.0	0.81	147.7	2.0	7.0	2.1	73	168
IE1-200L1-6	18.5	25	38.6	36.7	34.9	975	33.3	31.9	30.6	1170	90.0	0.81	180.3	2.1	7.0	2.1	76	215
IE1-200L2-6	22	30	44.7	42.5	40.4	975	38.6	36.9	35.4	1170	90.0	0.83	214.4	2.1	7.0	2.1	76	238
IE1-225M-6	30	40	59.3	56.3	53.7	980	51.2	49.0	47.0	1175	91.5	0.84	292.3	2.0	7.0	2.1	76	280
IE1-250M-6	37	50	71.1	67.6	64.3	980	61.4	58.7	56.3	1175	92.0	0.86	360.6	2.1	7.0	2.1	78	350
IE1-280S-6	45	60	85.9	81.6	77.7	980	74.2	71.0	68.0	1175	92.5	0.86	438.5	2.1	7.0	2.0	80	463
IE1-280M-6	55	75	104.7	99.5	94.7	980	90.4	86.5	82.9	1175	92.8	0.86	536.0	2.1	7.0	2.0	80	508
IE1-315S-6	75	100	141.7	134.6	128.2	985	122.4	117.1	112.2	1180	93.5	0.86	727.2	2.0	7.0	2.0	85	860
IE1-315M-6	90	120	169.5	161.0	153.4	985	146.4	140.0	134.2	1180	93.8	0.86	872.6	2.0	7.0	2.0	85	980
IE1-315L1-6	110	150	206.7	196.4	187.0	985	178.5	170.8	163.6	1180	94.0	0.86	1066.5	2.0	6.7	2.0	85	1060
IE1-315L2-6	132	180	244.7	232.5	221.4	985	211.3	202.1	193.7	1180	94.2	0.87	1279.8	2.0	6.7	2.0	85	1135
IE1-355M1-6	160	220	292.3	277.7	264.5	990	252.4	241.5	231.4	1185	94.5	0.88	1543.4	1.9	6.7	2.0	92	1480
IE1-355M2-6	200	270	365.4	347.1	330.6	990	315.6	301.9	289.3	1185	94.7	0.88	1929.3	1.9	6.7	2.0	92	1640
IE1-355L-6	250	340	456.8	434.0	413.3	990	394.5	377.4	361.6	1185	94.9	0.88	2411.6	1.9	6.7	2.0	92	1810

### Technical data

Type No.	Rated output		Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A	Rated speed (r/min)	Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A	Rated speed (r/min)	EFF %	Power factor cos φ	Rated Torque N.m	Locked Torque Rated Torque TST/TFL	Locked Current Rated Torque IST/IFL	Max Torque Rated Torque TM/TFL	Noise level LW dB(A)	Weight (Kg)
	(kW)	HP																
			380~420V/50Hz				440~480V/60Hz											
Synchronous speed 1500r/min																		
IE1-63M1-4	0.12	0.18	0.44	0.42	0.40	1310	0.38	0.36	0.35	1570	57.0	0.72	0.9	2.1	4.4	2.2	52	7.5
IE1-63M2-4	0.18	0.25	0.62	0.59	0.56	1310	0.54	0.51	0.49	1570	60.0	0.73	1.3	2.1	4.4	2.2	52	8.5
IE1-71M1-4	0.25	0.37	0.79	0.75	0.71	1330	0.68	0.65	0.63	1595	65.0	0.74	1.8	2.1	5.2	2.2	55	10.5
IE1-71M2-4	0.37	0.55	1.12	1.06	1.01	1330	0.97	0.93	0.89	1595	67.0	0.75	2.7	2.1	5.2	2.2	55	11.5
IE1-80M1-4	0.55	0.75	1.57	1.49	1.42	1390	1.36	1.30	1.24	1665	71.0	0.75	3.8	2.4	5.2	2.3	58	15
IE1-80M2-4	0.75	1.00	2.05	1.95	1.85	1390	1.77	1.69	1.62	1665	73.0	0.76	5.2	2.3	6.0	2.3	58	16
IE1-90S-4	1.1	1.5	2.85	2.71	2.58	1400	2.46	2.35	2.26	1680	76.2	0.77	7.6	2.3	6.0	2.3	61	20
IE1-90L-4	1.5	2.0	3.68	3.50	3.33	1400	3.18	3.04	2.91	1680	78.5	0.79	10.3	2.3	6.0	2.3	61	23
IE1-100L1-4	2.2	3.0	5.09	4.84	4.61	1420	4.40	4.20	4.03	1700	81.0	0.81	14.9	2.3	7.0	2.3	64	31
IE1-100L2-4	3	4.0	6.73	6.39	6.09	1420	5.81	5.56	5.33	1700	82.6	0.82	20.3	2.3	7.0	2.3	64	35
IE1-112M-4	4	5.5	8.80	8.36	7.96	1440	7.60	7.27	6.97	1725	84.2	0.82	26.5	2.3	7.0	2.3	65	41
IE1-132S-4	5.5	7.5	11.7	11.1	10.6	1440	10.1	9.67	9.26	1725	85.7	0.83	36.5	2.3	7.0	2.3	71	60
IE1-132M-4	7.5	10.0	15.6	14.8	14.1	1440	13.5	12.9	12.4	1725	87.0	0.84	49.7	2.3	7.0	2.3	71	74
IE1-160M-4	11	15	22.5	21.4	20.4	1460	19.4	18.6	17.8	1750	88.4	0.84	72.0	2.2	7.0	2.3	75	108
IE1-160L-4	15	20	30.0	28.5	27.1	1460	25.9	24.8	23.8	1750	89.4	0.85	98.1	2.2	7.5	2.3	75	128
IE1-180M-4	18.5	25	36.3	34.5	32.8	1465	31.4	30.0	28.7	1755	90.5	0.86	120.2	2.2	7.5	2.3	76	158
IE1-180L-4	22	30	42.9	40.8	38.8	1465	37.1	35.4	34.0	1755	91.0	0.86	142.9	2.2	7.5	2.3	76	172
IE1-200L-4	30	40	58.0	55.1	52.5	1470	50.1	47.9	45.9	1760	92.0	0.86	194.9	2.2	7.2	2.3	79	241
IE1-225S-4	37	50	70.2	66.7	63.5	1475	60.6	58.0	55.6	1770	92.5	0.87	239.6	2.2	7.2	2.3	81	280
IE1-225M-4	45	60	85.0	80.8	76.9	1475	73.4	70.2	67.3	1770	92.8	0.87	291.4	2.2	7.2	2.3	81	305
IE1-250M-4	55	75	103.3	98.1	93.5	1475	89.2	85.3	81.8	1770	93.0	0.87	354.9	2.2	7.2	2.3	83	375
IE1-280S-4	75	100	139.3	132.3	126.0	1480	120.3	115.1	110.3	1775	93.8	0.87	484.0	2.2	7.2	2.3	86	507
IE1-280M-4	90	120	167.4	159.0	151.5	1480	144.6	138.3	132.5	1775	94.2	0.87	580.7	2.2	7.2	2.3	86	572
IE1-315S-4	110	150	201.0	191.0	181.9	1480	173.6	166.0	159.1	1775	94.5	0.88	709.8	2.1	6.9	2.2	93	930
IE1-315M-4	132	180	240.4	228.4	217.5	1480	207.6	198.6	190.3	1775	94.8	0.88	851.8	2.1	6.9	2.2	93	1050
IE1-315L1-4	160	220	287.8	273.4	260.4	1480	248.6	237.8	227.8	1775	94.9	0.89	1032.4	2.1	6.9	2.2	97	1110
IE1-315L2-4	200	270	359.8	341.8	325.5	1480	310.7	297.2	284.8	1775	95.0	0.89	1290.5	2.1	6.9	2.2	97	1180
IE1-355M-4	250	340	443.3	421.1	401.1	1490	382.9	366.2	351.0	1785	95.3	0.90	1602.3	2.1	6.9	2.2	101	1580
IE1-355L-4	315	430	558.6	530.7	505.4	1490	482.4	461.5	442.2	1785	95.6	0.90	2019.0	2.1	6.9	2.2	101	1750

Technical data

Type No.	Rated output		Rated current IFL 380V A	Rated current IFL 400V A	Rated current IFL 420V A	Rated speed (r/min)	Rated current IFL 440V A	Rated current IFL 460V A	Rated current IFL 480V A	Rated speed (r/min)	EFF %	Power factor cos φ	Rated Torque N.m	Locked Torque TST/TFL	Locked Current Rated Torque IST/IFL	Max Torque Rated Torque TM/TFL	Noise level LW dB(A)	Weight (Kg)
	(kW)	HP	380~420V/50Hz				440~480V/60Hz											
Synchronous speed 3000r/min																		
IE1-63M1-2	0.18	0.25	0.53	0.50	0.48	2720	0.46	0.44	0.42	3260	65.0	0.80	0.6	2.2	5.5	2.2	61	7
IE1-63M2-2	0.25	0.37	0.69	0.66	0.62	2720	0.60	0.57	0.55	3260	68.0	0.81	0.9	2.2	5.5	2.2	61	8
IE1-71M1-2	0.37	0.55	0.99	0.94	0.90	2740	0.86	0.82	0.78	3285	70.0	0.81	1.3	2.2	6.1	2.2	64	10
IE1-71M2-2	0.55	0.75	1.4	1.33	1.27	2740	1.21	1.16	1.11	3285	73.0	0.82	1.9	2.2	6.1	2.3	64	11
IE1-80M1-2	0.75	1.0	1.83	1.74	1.66	2825	1.58	1.51	1.45	3390	75.0	0.83	2.5	2.2	6.1	2.3	67	15
IE1-80M2-2	1.1	1.5	2.61	2.48	2.36	2825	2.25	2.16	2.07	3390	77.0	0.84	3.7	2.2	7.0	2.3	67	16
IE1-90S-2	1.5	2.0	3.46	3.29	3.13	2840	2.99	2.86	2.74	3405	79.0	0.84	5.0	2.2	7.0	2.3	72	19
IE1-90L-2	2.2	3.0	4.85	4.61	4.39	2840	4.19	4.01	3.84	3405	81.0	0.85	7.4	2.2	7.0	2.3	72	22
IE1-100L-2	3	4.0	6.34	6.02	5.74	2870	5.48	5.24	5.02	3440	83.0	0.87	10.0	2.2	7.5	2.3	76	32
IE1-112M-2	4	5.5	8.20	7.79	7.42	2880	7.08	6.77	6.49	3455	85.0	0.88	13.3	2.2	7.5	2.3	77	39
IE1-132S1-2	5.5	7.5	11.1	10.5	10.0	2900	9.59	9.17	8.79	3480	86.0	0.88	18.1	2.2	7.5	2.3	80	58
IE1-132S2-2	7.5	10	14.9	14.2	13.5	2900	12.9	12.3	11.8	3480	87.0	0.88	24.7	2.2	7.5	2.3	80	66
IE1-160M1-2	11	15	21.2	20.1	19.2	2930	18.3	17.5	16.8	3515	88.4	0.89	35.9	2.2	7.5	2.3	86	104
IE1-160M2-2	15	20	28.6	27.2	25.9	2930	24.7	23.6	22.6	3515	89.4	0.89	48.9	2.2	7.5	2.3	86	112
IE1-160L-2	18.5	25	34.7	33.0	31.4	2930	30.0	28.7	27.5	3515	90.0	0.90	60.3	2.2	7.5	2.3	86	132
IE1-180M-2	22	30	41.0	39.0	37.1	2940	35.4	33.9	32.5	3525	90.5	0.90	71.5	2.0	7.5	2.3	89	162
IE1-200L1-2	30	40	55.4	52.6	50.1	2950	47.9	45.8	43.9	3540	91.4	0.90	97.1	2.0	7.5	2.3	92	225
IE1-200L2-2	37	50	67.9	64.5	61.4	2950	58.6	56.1	53.8	3540	92.0	0.90	119.8	2.0	7.5	2.3	92	245
IE1-225M-2	45	60	82.1	78.0	74.3	2960	70.9	67.8	65.0	3550	92.5	0.90	145.2	2.0	7.5	2.3	92	290
IE1-250M-2	55	75	99.8	94.8	90.3	2965	86.2	82.4	79.0	3555	93.0	0.90	177.2	2.0	7.5	2.3	93	367
IE1-280S-2	75	100	135.3	128.5	122.4	2970	116.9	111.8	107.1	3560	93.6	0.90	241.2	2.0	7.5	2.3	94	495
IE1-280M-2	90	120	160.0	152.0	144.8	2970	138.2	132.2	126.7	3560	93.9	0.91	289.4	2.0	7.5	2.3	94	540
IE1-315S-2	110	150	195.4	185.6	176.8	2975	168.8	161.4	154.7	3570	94.0	0.91	353.1	1.8	7.1	2.2	96	880
IE1-315M-2	132	180	233.2	221.5	211.0	2975	201.4	192.6	184.6	3570	94.5	0.91	423.7	1.8	7.1	2.2	96	1000
IE1-315L1-2	160	220	279.3	265.3	252.7	2975	241.2	230.7	221.1	3570	94.6	0.92	513.6	1.8	7.1	2.2	99	1080
IE1-315L2-2	200	270	348.4	331.0	315.2	2975	300.9	287.8	275.8	3570	94.8	0.92	642.0	1.8	7.1	2.2	99	1130
IE1-355M-2	250	340	433.7	412.0	392.4	2980	374.6	358.3	343.4	3575	95.3	0.92	801.2	1.6	7.1	2.2	103	1560
IE1-355L-2	315	430	545.3	518.0	493.4	2980	470.9	450.5	431.7	3575	95.6	0.92	1009.5	1.6	7.1	2.2	103	1740

**SGP**

**ĐỘNG CƠ ĐIỆN**

**SẢN XUẤT THEO DÂY CHUYỀN**

**CÔNG NGHỆ TIÊU CHUẨN CHÂU ÂU**

