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GHISA - CAST IRON

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SPECIFICHE TECNICHE (50HZ) 2 POLI
TECHNICAL SPECIFICATION (50HZ) 2 POLE

Motor Type	Rated Power		Current A	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	moment of inertia J	weight
	KW	HP					400V	r/min	COSØ		
Y ₂ 63A-2	0.18	0.24	0.50	2720	0.80	65.0	5.5	2.2	2.5	0.00016	10
Y ₂ 63B-2	0.25	0.33	0.65	2730	0.81	68.0	5.5	2.2	2.6	0.00018	11
Y ₂ 71A-2	0.37	0.5	0.94	2770	0.81	70.0	5.5	2.2	2.5	0.00033	14
Y ₂ 71B-2	0.55	0.75	1.3	2810	0.82	73.0	5.5	2.2	2.5	0.00046	15
Y ₂ 80A-2	0.75	1.0	1.7	2835	0.83	75.0	7.0	2.2	2.3	0.00085	16
Y ₂ 80B-2	1.1	1.5	2.5	2835	0.84	77.0	7.0	2.2	2.3	0.0011	17
Y ₂ 90S-2	1.5	2.0	3.3	2840	0.84	79.0	6.4	3.1	3.3	0.00146	22
Y ₂ 90L-2	2.2	3.0	4.6	2855	0.85	81.0	6.2	3.2	3.4	0.00185	25
Y ₂ 100L-2	3.0	4.0	6.0	2865	0.87	83.0	7.5	2.2	2.3	0.00325	33
Y ₂ 112M-2	4.0	5.5	7.7	2860	0.88	85.0	7.5	2.2	2.3	0.0055	40
Y ₂ 132SA-2	5.5	7.5	10.5	2890	0.88	86.0	7.5	2.2	2.3	0.01378	59
Y ₂ 132SB-2	7.5	10	14.1	2890	0.88	87.0	7.5	2.2	2.3	0.01456	62
Y ₂ 160MA-2	11	15	20.1	2925	0.89	88.4	7.5	2.2	2.3	0.0442	107
Y ₂ 160MB-2	15	20	27.2	2931	0.89	89.4	7.5	2.2	2.3	0.0549	117
Y ₂ 160L-2	18.5	25	33.0	2938	0.90	90.0	7.5	2.2	2.3	0.0654	134
Y ₂ 180M-2	22	30	39.0	2950	0.90	90.5	7.5	2.0	2.3	0.0955	169
Y ₂ 200LA-2	30	40	52.6	2950	0.90	91.4	7.5	2.0	2.3	0.153	220
Y ₂ 200LB-2	37	50	64.5	2950	0.90	92.0	7.5	2.0	2.3	0.173	239
Y ₂ 225M-2	45	60	78.0	2960	0.90	92.5	7.5	2.0	2.3	0.268	297
Y ₂ 250M-2	55	75	95.1	2966	0.90	93.0	7.5	2.0	2.3	0.365	377
Y ₂ 280S-2	75	100	129	2975	0.90	93.6	7.5	2.0	2.3	0.601	510
Y ₂ 280M-2	90	125	152	2965	0.91	93.9	7.5	2.0	2.3	0.683	540
Y ₂ 315S-2	110	150	186	2975	0.91	94.0	7.1	1.8	2.2	1.408	920
Y ₂ 315M-2	132	180	222	2975	0.91	94.5	7.1	1.8	2.2	1.558	970
Y ₂ 315LA-2	160	215	267	2975	0.92	95.0	7.1	1.8	2.2	1.726	1080
Y ₂ 315LB-2	200	270	331	2975	0.92	94.8	7.1	1.8	2.2	1.941	1170
Y ₂ 355M-2	250	340	412	2985	0.92	95.3	7.1	1.6	2.2	3.296	1690
Y ₂ 355LA-2	280	375	460	2980	0.92	95.5	7.1	1.6	2.2	3.849	1775
Y ₂ 355LB-2	315	420	517	2985	0.92	95.6	7.1	1.6	2.2	3.95	1850
Y ₂ 400MA-2	355	475	595	2985	0.90	95.7	7.5	1.6	2.0	7.45	2850
Y ₂ 400MB-2	400	535	668	2985	0.90	96.0	7.6	1.7	2.0	7.95	2950
Y ₂ 400MC-2	450	600	751	2985	0.90	96.1	7.5	1.5	2.0	8.60	3200
Y ₂ 400L-2	500	670	826	2985	0.91	96.2	7.3	1.5	2.0	9.60	3340

SPECIFICHE TECNICHE (50HZ) 4 POLI
TECHNICAL SPECIFICATION (50HZ) 4 POLE

Motor Type	Rated Power		Current A	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	moment of inertia J	weight
	KW	HP					400V	r/min	COSØ		
Y ₂ 63A-4	0.12	0.16	0.42	1340	0.72	57.0	4.4	2.1	2.2	0.00032	10
Y ₂ 63B-4	0.18	0.24	0.59	1330	0.73	60.0	4.4	2.1	2.2	0.00039	11
Y ₂ 71A-4	0.25	0.33	0.8	1400	0.74	65.0	4.4	2.1	2.2	0.00063	14
Y ₂ 71B-4	0.37	0.5	1.1	1382	0.75	67.0	4.4	2.1	2.2	0.00071	15
Y ₂ 80A-4	0.55	0.75	1.5	1385	0.75	71.0	5.2	2.4	2.5	0.00131	17
Y ₂ 80B-4	0.75	1.0	2.0	1390	0.76	73.0	6.0	2.3	2.5	0.00148	18
Y ₂ 90S-4	1.1	1.5	2.7	1390	0.77	76.2	6.0	2.3	2.5	0.00212	22
Y ₂ 90L-4	1.5	2.0	3.5	1405	0.79	78.5	6.0	2.3	2.5	0.00287	28
Y ₂ 100LA-4	2.2	3.0	4.8	1425	0.81	81.0	7.0	2.3	2.5	0.00606	34
Y ₂ 100LB-4	3.0	4.0	6.4	1430	0.82	82.6	7.0	2.3	2.5	0.00779	38
Y ₂ 112M-4	4.0	5.5	8.4	1435	0.82	84.2	7.0	2.3	2.5	0.01176	44
Y ₂ 132S-4	5.5	7.5	11.2	1445	0.83	85.7	7.0	2.3	2.5	0.02465	61
Y ₂ 132M-4	7.5	10	14.8	1445	0.84	87.0	7.0	2.3	2.5	0.03301	73
Y ₂ 160M-4	11	15	21.4	1451	0.84	88.4	7.0	2.2	2.3	0.0808	113
Y ₂ 160L-4	15	20	28.5	1452	0.85	89.4	7.0	2.2	2.3	0.1052	133
Y ₂ 180M-4	18.5	25	34.3	1465	0.86	90.5	7.5	2.2	2.3	0.1499	167
Y ₂ 180L-4	22	30	40.6	1465	0.86	91.0	7.5	2.2	2.3	0.1659	181
Y ₂ 200L-4	30	40	54.7	1465	0.86	92.0	7.2	2.2	2.3	0.273	232
Y ₂ 225S-4	37	55	66.4	1475	0.87	92.5	7.2	2.2	2.3	0.469	287
Y ₂ 225M-4	45	60	80.5	1475	0.87	92.8	7.2	2.2	2.3	0.538	322
Y ₂ 250M-4	55	75	98.1	1477	0.87	93.0	7.2	2.2	2.3	0.689	381
Y ₂ 280S-4	75	100	133	1485	0.87	93.8	7.2	2.2	2.3	1.267	510
Y ₂ 280M-4	90	125	159	1485	0.87	94.2	7.2	2.2	2.3	1.552	600
Y ₂ 315S-4	110	150	191	1485	0.88	94.5	6.9	2.1	2.2	2.980	921
Y ₂ 315M-4	132	180	228	1485	0.88	94.8	6.9	2.1	2.2	3.480	1002
Y ₂ 315LA-4	160	215	273	1485	0.89	94.9	6.9	2.1	2.2	3.678	1070
Y ₂ 315LB-4	200	270	341	1485	0.89	95.0	6.9	2.1	2.2	4.470	1181
Y ₂ 355M-4	250	340	421	1490	0.90	95.3	6.9	2.1	2.2	7.164	1720
Y ₂ 355LA-4	280	375	470	1490	0.90	95.5	6.9	2.1	2.2	7.903	1850
Y ₂ 355LB-4	315	420	528	1490	0.90	95.6	6.9	2.1	2.2	8.702	1950
Y ₂ 400MA-4	355	475	601	1490	0.89	95.8	6.5	1.6	2.0	14.7	2900
Y ₂ 400MB-4	400	535	676	1490	0.89	95.9	6.4	1.3	2.0	15.2	3000
Y ₂ 400MC-4	450	600	752	1490	0.9	96.0	6.6	1.5	2.0	16.1	3150
Y ₂ 400LA-4	500	670	835	1490	0.9	96.0	6.2	1.3	2.0	17.3	3300
Y ₂ 400LB-4	355	475	956	1490	0.88	96.1	7.4	1.8	2.0	18.6	3460

SPECIFICHE TECNICHE (50HZ) 6 POLI
TECHNICAL SPECIFICATION (50HZ) 6 POLE

Motor Type	Rated Power		Current A	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	moment of inertia J	weight
	KW	HP					400V	r/min	COSØ		
Y ₂ 71A-6	0.18	0.24	0.70	905	0.66	56.0	4.0	1.9	2.2	0.00091	14
Y ₂ 71B-6	0.25	0.33	0.90	890	0.68	59.0	4.0	1.9	2.2	0.0011	15
Y ₂ 80A-6	0.37	0.5	1.2	905	0.70	62.0	4.7	1.9	2.2	0.00152	17
Y ₂ 80B-6	0.55	0.75	1.7	908	0.72	65.0	4.7	1.9	2.3	0.00194	19
Y ₂ 90S-6	0.75	1.0	2.2	920	0.72	69.0	5.5	2.0	2.3	0.00297	23
Y ₂ 90L-6	1.1	1.5	3.0	920	0.73	72.0	5.5	2.0	2.3	0.00392	25
Y ₂ 100L-6	1.5	2.0	3.8	930	0.75	76.0	5.5	2.0	2.3	0.00745	33
Y ₂ 112M-6	2.2	3.0	5.3	945	0.76	79.0	6.5	2.0	2.3	0.01324	39
Y ₂ 132S-6	3.0	4.0	7.0	965	0.76	81.0	6.5	2.1	2.3	0.02821	56
Y ₂ 132MA-6	4.0	5.5	9.3	965	0.76	82.0	6.5	2.1	2.3	0.03716	71
Y ₂ 132MB-6	5.5	7.5	12.3	965	0.77	84.0	6.5	2.1	2.3	0.04889	75
Y ₂ 160M-6	7.5	10	16.3	968	0.77	86.0	6.5	2.0	2.3	0.0877	108
Y ₂ 160L-6	11	15	23.3	966	0.78	87.5	6.5	2.0	2.3	0.1212	131
Y ₂ 180L-6	15	20	30.0	975	0.81	89.0	7.0	2.0	2.3	0.2086	171
Y ₂ 200LA-6	18.5	25	36.6	975	0.81	90.0	7.0	2.1	2.3	0.302	216
Y ₂ 200LB-6	22	30	42.5	975	0.83	90.0	7.0	2.1	2.3	0.342	225
Y ₂ 225M-6	30	40	56.2	980	0.84	91.5	7.0	2.0	2.3	0.576	292
Y ₂ 250M-6	37	55	67.5	981	0.86	92.0	7.0	2.1	2.3	0.807	408
Y ₂ 280S-6	45	60	81.7	985	0.86	92.5	7.0	2.1	2.3	1.474	465
Y ₂ 280M-6	55	75	99.5	985	0.86	92.8	7.0	2.1	2.3	1.732	540
Y ₂ 315S-6	75	100	135	990	0.86	93.5	7.0	2.0	2.3	3.194	861
Y ₂ 315M-6	90	125	161	985	0.86	93.8	7.0	2.0	2.3	3.723	940
Y ₂ 315LA-6	110	150	196	990	0.86	94.0	6.7	2.0	2.3	4.526	1110
Y ₂ 315LB-6	132	180	232	990	0.87	94.2	6.7	2.0	2.3	5.157	1175
Y ₂ 355MA-6	160	215	278	990	0.88	94.5	6.7	1.9	2.2	9.27	1690
Y ₂ 355MB-6	180	240	312	990	0.88	94.6	6.7	1.9	2.2	9.52	1770
Y ₂ 355M3-6	200	270	346	990	0.88	94.7	6.7	1.9	2.2	10.8	1870
Y ₂ 355LA-6	225	300	389	990	0.88	94.8	6.7	1.9	2.2	11.1	1900
Y ₂ 355LB-6	250	340	432	990	0.88	94.9	6.7	1.9	2.2	11.8	1980
Y ₂ 355LC-6	280	375	483	990	0.88	95.0	6.7	1.9	2.2	12.9	2150
Y ₂ 400MA-6	315	420	549	990	0.87	95.2	6.6	1.4	2.0	21.2	3410
Y ₂ 400MB-6	355	475	617	995	0.87	95.4	6.7	1.2	2.0	23.5	3650
Y ₂ 400LA-6	400	535	686	995	0.88	95.6	7.3	1.5	2.0	26.4	3700
Y ₂ 400LB-6	450	600	770	995	0.88	95.8	6.3	1.2	2.0	28.8	3820
Y ₂ 400LC-6	500	620	855	995	0.88	95.9	7.4	1.6	2.0	31.4	3970

SPECIFICHE TECNICHE (50HZ) 8 POLI
TECHNICAL SPECIFICATION (50HZ) 8 POLE

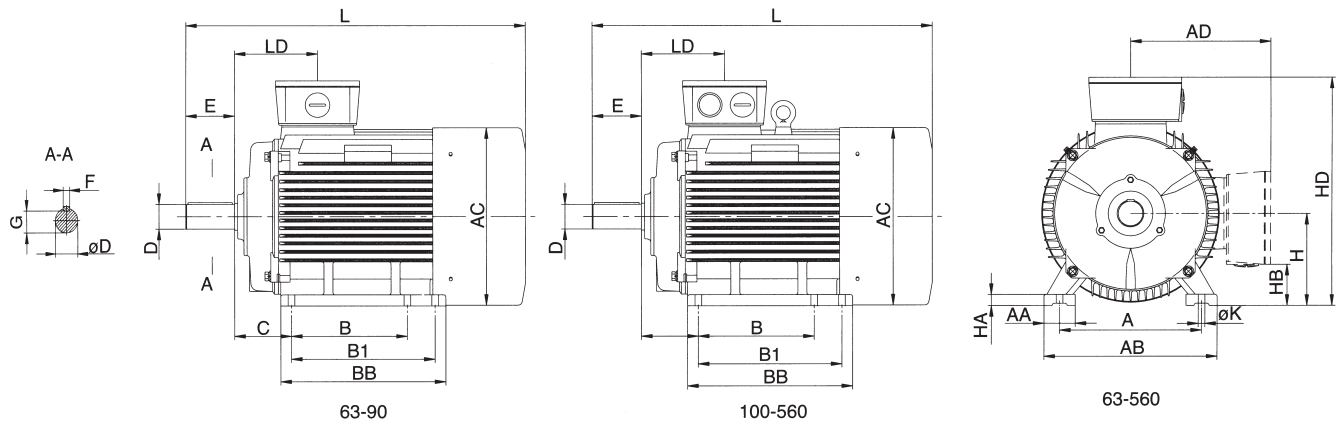
Motor Type	Rated Power		Current A	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	moment of inertia J	weight
	KW	HP					400V	r/min	COSØ		
Y ₂ 80A-8	0.18	0.24	0.84	693	0.61	51.0	3.3	1.8	1.9	0.00173	19
Y ₂ 80B-8	0.25	0.33	1.1	689	0.61	54.0	3.3	1.8	1.9	0.00204	20
Y ₂ 90S-8	0.37	0.5	1.4	690	0.61	62.0	4.0	1.8	1.9	0.00343	24
Y ₂ 90L-8	0.55	0.75	2.1	705	0.61	63.0	4.0	1.8	2.0	0.00425	25
Y ₂ 100LA-8	0.75	1.0	2.3	695	0.67	71.0	4.0	1.8	2.0	0.00598	33
Y ₂ 100LB-8	1.1	1.5	3.2	696	0.69	73.0	5.0	1.8	2.0	0.00745	34
Y ₂ 112M-8	1.5	2.0	4.2	700	0.69	75.0	5.0	1.8	2.0	0.01326	39
Y ₂ 132S-8	2.2	3.0	5.73	715	0.71	78.0	6.0	1.8	2.0	0.02903	62
Y ₂ 132M-8	3.0	4.0	7.51	710	0.73	79.0	6.0	1.8	2.0	0.03828	66
Y ₂ 160MA-8	4.0	5.5	9.8	715	0.73	81.0	6.0	1.9	2.0	0.065	94
Y ₂ 160MB-8	5.5	7.5	12.9	720	0.74	83.0	6.0	2.0	2.2	0.088	106
Y ₂ 160L-8	7.5	10	16.9	720	0.75	85.5	6.0	2.0	2.2	0.1229	128
Y ₂ 180M-8	11	15	23.9	725	0.76	87.5	6.6	2.0	2.2	0.2059	120
Y ₂ 200L-8	15	20	32.4	730	0.76	88.0	6.6	2.0	2.3	0.325	230
Y ₂ 225S-8	18.5	25	38.9	735	0.76	90.0	6.6	1.9	2.0	0.538	272
Y ₂ 225M-8	22	30	45.0	735	0.78	90.5	6.6	1.9	2.0	0.629	294
Y ₂ 250M-8	30	40	60.2	734	0.79	91.0	6.6	1.9	2.0	0.809	370
Y ₂ 280S-8	37	55	73.9	735	0.79	91.5	6.6	1.9	2.0	1.547	475
Y ₂ 280M-8	45	60	89.4	735	0.79	92.0	6.6	1.9	2.0	1.857	555
Y ₂ 315S-8	55	75	106	740	0.81	92.8	6.6	1.8	2.0	3.682	905
Y ₂ 315M-8	75	100	144	740	0.81	93.0	6.6	1.8	2.0	4.959	981
Y ₂ 315LA-8	90	125	169	745	0.82	93.8	6.6	1.8	2.0	5.825	1071
Y ₂ 315LB-8	110	150	206	745	0.82	94.0	6.4	1.8	2.0	6.753	1160
Y ₂ 355MA-8	132	180	248	745	0.82	93.7	6.4	1.8	2.0	12.9	1800
Y ₂ 355MB-8	160	215	299	745	0.82	94.2	6.4	1.8	2.0	14.3	1890
Y ₂ 355LA-8	180	240	332	745	0.83	94.3	6.4	1.8	2.0	15.0	1970
Y ₂ 355LB-8	200	270	368	745	0.83	94.5	6.4	1.8	2.0	15.9	2040
Y ₂ 400MA-8	250	335	462	745	0.82	95.2	6.9	1.4	2.0	27.4	2900
Y ₂ 400MB-8	280	375	518	745	0.82	95.2	6.5	1.3	2.0	28.9	3000
Y ₂ 400LA-8	315	425	561	745	0.85	95.4	6.5	1.3	2.0	30.6	3100
Y ₂ 400LB-8	355	475	630	745	0.85	95.7	5.8	1.2	2.0	32.4	3250
Y ₂ 400LC-8	400	535	713	745	0.85	95.3	5.7	1.1	2.0	34.2	3400

SPECIFICHE TECNICHE (50HZ) 10 POLI
TECHNICAL SPECIFICATION (50HZ) 10 POLE

Motor Type	Rated Power		Current A	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	moment of inertia J	weight
	KW	HP					400V	r/min	COSØ		
Y ₂ 80A-10	0.09	0.12	0.60	540	0.48	44.6	2.5	1.8	2.0	0.00173	19
Y ₂ 80B-10	0.12	0.16	0.75	540	0.50	46.7	2.5	1.8	2.0	0.00204	20
Y ₂ 90S-10	0.18	0.24	0.95	545	0.51	53.5	3.0	1.8	2.0	0.00356	25
Y ₂ 90L-10	0.25	0.33	1.3	545	0.51	54.0	3.0	1.8	2.0	0.00436	26
Y ₂ 100LA-10	0.37	0.5	1.6	550	0.54	63.7	3.0	1.8	2.0	0.00640	34
Y ₂ 100LB-10	0.55	0.75	2.3	550	0.54	64.2	3.0	1.8	2.0	0.00845	35
Y ₂ 112M-10	0.75	1.0	2.9	550	0.55	67.6	3.5	1.8	2.0	0.01421	41
Y ₂ 132S-10	1.1	1.5	4.08	555	0.55	70.8	4.0	1.8	2.0	0.02856	64
Y ₂ 132MA-10	1.5	2.0	5.51	555	0.55	71.5	4.0	1.8	2.0	0.03921	68
Y ₂ 132MB-10	2.2	3.0	8.01	555	0.55	72.1	4.0	1.8	2.0	0.04350	69
Y ₂ 160MA-10	3.0	4.0	9.8	560	0.57	77.3	4.5	1.7	2.0	0.0750	96
Y ₂ 160MB-10	4.0	5.5	12.9	560	0.57	78.5	4.5	1.7	2.0	0.0910	108
Y ₂ 160L-10	5.5	7.5	17.5	560	0.57	79.7	4.5	1.7	2.0	0.117	132
Y ₂ 180L-10	7.5	10	19.0	565	0.68	83.7	5.0	1.6	2.2	0.187	176
Y ₂ 200LA-10	11	15	24.2	570	0.76	86.5	5.0	1.1	2.0	0.352	235
Y ₂ 200LB-10	15	20	32.8	570	0.76	86.8	5.0	1.2	2.0	0.368	242
Y ₂ 225M-10	18.5	25	38.7	580	0.77	89.7	5.0	1.4	2.0	0.638	301
Y ₂ 250M-10	22	30	45.3	580	0.78	89.9	5.5	1.2	2.0	0.827	376
Y ₂ 280S-10	30	40	65.5	585	0.73	90.5	4.5	1.7	2.0	1.44	491
Y ₂ 280M-10	37	50	80.7	585	0.73	90.7	4.5	1.8	2.0	1.66	564
Y ₂ 315S-10	45	60	95	590	0.75	91.5	6.0	1.5	2.0	3.556	917
Y ₂ 315M-10	55	75	115	590	0.75	92.0	6.0	1.5	2.0	4.249	998
Y ₂ 315LA-10	75	100	154	590	0.76	92.5	6.0	1.5	2.0	5.543	1088
Y ₂ 315LB-10	90	125	181	590	0.77	93.0	6.0	1.5	2.0	6.428	1177
Y ₂ 355MA-10	110	150	218	590	0.78	93.2	5.5	1.4	2.0	9.4	1820
Y ₂ 355MB-10	132	180	261	590	0.78	93.5	5.5	1.4	2.0	9.5	1910
Y ₂ 355L-10	160	215	317	590	0.78	93.5	5.5	1.4	2.0	9.6	1993
Y ₂ 400MA-10	180	240	346	595	0.79	95.1	5.6	1.2	2.0	27.5	2900
Y ₂ 400MB-10	200	270	379	595	0.8	95.3	5.7	1.2	2.0	28.8	3000
Y ₂ 400LA-10	250	340	466	595	0.81	95.5	5.7	1.1	2.0	30.50	3150
Y ₂ 400LB-10	280	375	521	595	0.81	95.7	5.9	1.2	2.0	33.50	3080
Y ₂ 400LC-10	315	420	585	595	0.81	95.9	5.9	1.2	2.0	33.50	3380

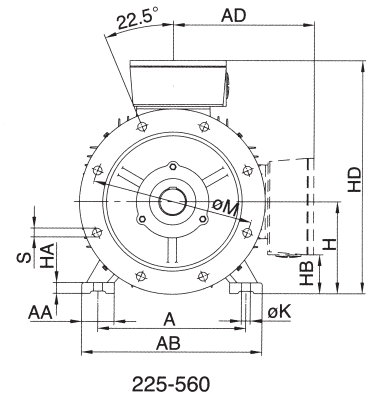
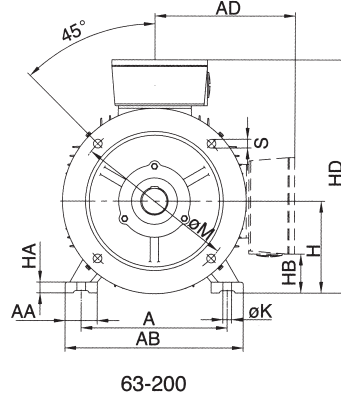
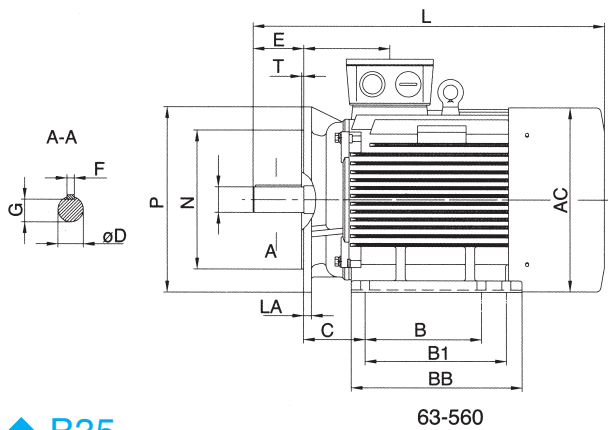
SPECIFICHE TECNICHE (50HZ) 12 POLI
TECHNICAL SPECIFICATION (50HZ) 12 POLE

Motor Type	Rated Power		Current A	Rated Speed	Power factor	Efficiency	Locked Current	Locked Torque	Maximum Torque	moment of inertia J	weight
	KW	HP					400V	r/min	COSØ		
Y ₂ 90S-12	0.18	0.24	1.2	460	0.45	46.5	2.5	1.8	2.0	0.00356	25
Y ₂ 90L-12	0.25	0.33	1.6	465	0.46	48.0	2.5	1.8	2.0	0.00436	26
Y ₂ 100LA-12	0.37	0.5	1.9	455	0.52	54.9	2.5	1.6	2.0	0.00634	34
Y ₂ 100LB-12	0.55	0.75	2.7	460	0.52	56.3	2.5	1.6	2.0	0.0085	35
Y ₂ 112M-12	0.75	1.0	3.3	465	0.54	60.4	3.0	1.5	2.0	0.01421	41
Y ₂ 132S-12	1.1	1.5	4.73	470	0.52	64.5	4.0	1.6	2.0	0.02856	64
Y ₂ 132M-12	1.5	2.0	6.38	470	0.52	65.3	4.0	1.6	2.0	0.03921	68
Y ₂ 160M-12	2.2	3.0	8.3	475	0.55	69.9	4.5	1.6	2.0	0.0633	96
Y ₂ 160L-12	3.0	4.0	10.9	480	0.55	72.2	4.5	1.6	2.0	0.114	130
Y ₂ 180M-12	4.0	5.5	13.3	480	0.58	74.8	4.5	1.9	2.2	0.182	173
Y ₂ 180L-12	5.5	7.5	18.2	480	0.58	75.2	4.5	1.9	2.2	0.182	173
Y ₂ 200L-12	7.5	10	18.7	480	0.68	85.2	4.0	1.8	2.0	0.385	275
Y ₂ 225M-12	11	15	27.6	485	0.67	85.8	4.0	1.8	2.0	0.629	298
Y ₂ 250M-12	15	20	37.8	485	0.66	86.8	4.0	1.8	2.2	0.807	375
Y ₂ 280S-12	18.5	25	44.7	485	0.67	89.2	4.0	1.7	2.0	1.35	480
Y ₂ 280M-12	22	30	52.9	485	0.67	89.6	4.0	1.5	2.0	1.65	561
Y ₂ 315S-12	30	40	73	485	0.65	91.2	4.0	1.5	2.0	3.556	912
Y ₂ 315M-12	37	50	90	485	0.65	91.3	4.0	1.5	2.0	4.249	987
Y ₂ 315LA-12	45	60	108	485	0.66	91.4	4.0	1.5	2.0	5.543	1080
Y ₂ 315LB-12	55	75	11	485	0.66	91.5	4.0	1.5	2.0	6.428	1165
Y ₂ 355MA-12	75	100	164	490	0.71	92.8	5.0	1.2	2.0	4.01	1820
Y ₂ 355MB-12	90	125	197	490	0.71	93.0	5.0	1.2	2.0	9.35	1900
Y ₂ 355L-12	110	150	240	490	0.71	93.2	5.0	1.2	2.0	10.4	1975



◆ B3

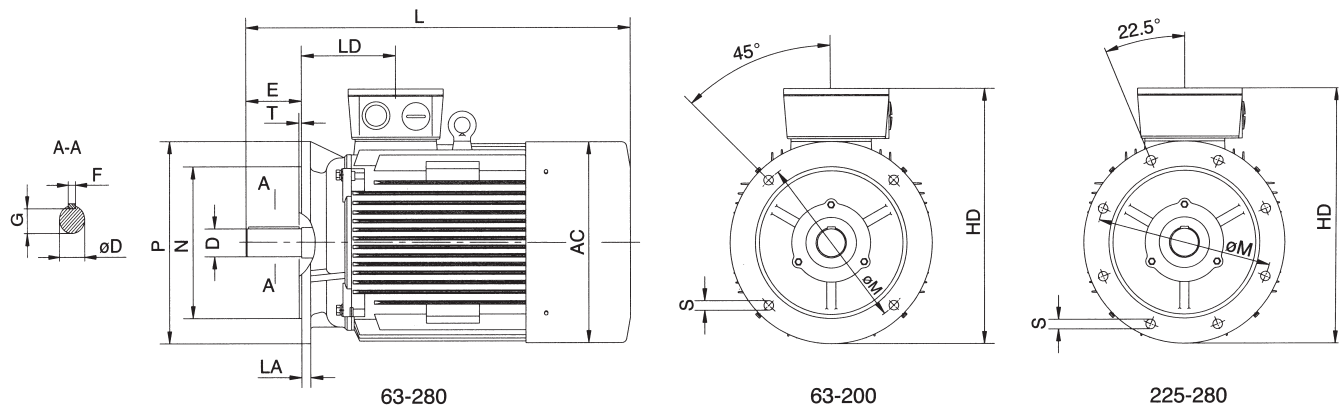
Frame size	Pole	Mounting dimensions (mm)										Overall dimensions (mm)								
		A	B	B1	C	D	E	F	G	H	K	AA	AB	AC	AD	HA	HD	BB	LD	L
63	2.4	100	80	/	40	11	23	4	8.5	63	7	30	135	125	/	10	185	110	65	225
71	2.4.6	112	90	/	45	14	30	5	11	71	7	32	145	140	/	10	200	120	70	250
80	2-12	125	100	/	50	19	40	6	15.5	80	10	35	160	160	145	12	225	130	75	280
90S	2-12	140	100	/	56	24	50	8	20	90	10	36	180	180	155	12	245	140	75	315
90L	2-12	140	125	/	56	24	50	8	20	90	10	36	180	180	155	12	245	165	75	340
100L	2-12	160	140	/	63	28	60	8	24	100	12	40	200	200	180	14	280	175	83	375
112M	2-12	190	140	/	70	28	60	8	24	112	12	45	230	220	190	15	305	180	87	400
132S	2-12	216	140	/	89	38	80	10	33	132	12	55	265	260	220	18	355	190	102	465
132M	2-12	216	178	/	89	38	80	10	33	132	12	55	265	260	220	18	355	230	102	505
160M	2-12	254	210	/	108	42	110	12	37	160	15	65	315	315	265	20	425	260	146	608
160L	2-12	254	254	/	108	42	110	12	37	160	15	65	315	315	265	20	425	305	146	652
180M	2.4	279	241	/	121	48	110	14	42.5	180	15	70	350	360	280	22	460	315	161	690
180L	4-12	279	279	/	121	48	110	14	42.5	180	15	70	350	360	280	22	460	350	161	730
200L	2-12	318	305	/	133	55	110	16	49	200	19	70	390	400	310	25	510	370	186	760
225S	4.8	356	286	/	149	60	140	18	53	225	19	75	435	450	335	28	555	370	189	810
225M	2	356	311	/	149	55	110	16	49	225	19	75	435	450	335	28	555	395	189	805
	4-12	356	311	/	149	60	140	18	53	225	19	75	435	450	335	28	555	395	189	835
250M	2	406	349	/	168	60	140	18	53	250	24	80	485	485	375	30	625	445	207	910
	4-12	406	349	/	168	65	140	18	58	250	24	80	485	485	375	30	625	445	207	910
280S	2	457	368	/	190	65	140	18	58	280	24	85	545	550	405	35	685	490	215	985
	4-12	457	368	/	190	75	140	20	67.5	280	24	85	545	550	405	35	685	490	215	1005
280M	2	457	419	/	190	65	140	18	58	280	24	85	545	550	405	35	685	540	215	1030
	4-12	457	419	/	190	75	140	20	67.5	280	24	85	545	550	405	35	685	540	215	1060
315S	2	508	406	/	216	65	140	18	58	315	28	120	630	625	530	45	845	570	257	1180
	4-12	508	406	/	216	80	170	22	71	315	28	120	630	625	530	45	845	570	257	1210
315M/L	2	508	457	508	216	65	140	18	58	315	28	120	630	625	530	45	845	680	257	1290
	4-12	508	457	508	216	80	170	22	71	315	28	120	630	625	530	45	845	680	257	1320
355M	2	610	500	560	254	75	140	20	67.5	355	28	120	730	700	615	52	970	750	284	1526
	4-12	610	500	560	254	100	210	25	86	355	28	120	730	700	615	52	970	750	284	1596
355L	2	610	560	630	254	75	140	20	67.5	355	28	120	730	700	615	52	970	750	284	1526
	4-12	610	560	630	254	100	210	28	90	355	28	120	730	700	615	52	970	750	284	1596
400M/L	2	686	710	800	280	80	170	22	71	400	35	120	810	810	/	45	1090	1250	362	1850
	4-12	686	710	800	280	110	210	28	100	400	35	120	810	810	/	45	1090	1250	362	1925



◆ B35

Frame size	Pole	Mounting dimensions (mm)															Overall dimensions (mm)										
		A	B	B1	C	D	E	F	G	H	K	M	N	P	R	S	T	AA	AB	AC	AD	BB	HA	HD	LA	LD	L
80	2-12	125	100	/	50	19	40	6	15.5	80	10	165	130	200	0	4-ø12	4	35	160	160	145	130	12	225	12	75	280
90S	2-12	140	100	/	56	24	50	8	20	90	10	165	130	200	0	4-ø12	4	36	180	175	155	140	12	245	12	75	315
90L	2-12	140	125	/	56	24	50	8	20	90	10	165	130	250	0	4-ø12	4	36	180	175	155	165	12	245	12	75	340
100L	2-12	160	140	/	63	28	60	8	24	100	12	215	180	250	0	4-ø15	4	40	200	200	180	175	14	270	13	83	375
112M	2-12	190	140	/	70	28	60	8	24	112	12	215	180	250	0	4-ø15	4	45	230	225	190	180	15	305	14	87	400
132S	2-12	216	140	/	89	38	80	10	33	132	12	265	230	300	0	4-ø15	4	55	265	260	210	190	18	355	14	102	465
132M	2-12	216	178	/	89	38	80	10	33	132	12	265	230	300	0	4-ø15	4	55	265	260	210	230	18	355	14	102	505
160M	2-12	254	210	/	108	42	110	12	37	160	15	300	250	350	0	4-ø19	5	65	315	315	260	260	20	425	15	146	608
160L	2-12	254	254	/	108	42	110	12	37	160	15	300	250	350	0	4-ø19	5	65	315	315	260	305	20	425	15	146	652
180M	2.4	279	241	/	121	48	110	14	42.5	180	15	300	250	350	0	4-ø19	5	70	350	360	280	315	22	460	15	161	690
180L	4-12	279	279	/	121	48	110	14	42.5	180	15	300	250	350	0	4-ø19	5	70	350	360	280	350	22	460	15	161	730
200L	2-12	318	305	/	133	55	110	16	49	200	19	350	300	400	0	4-ø19	5	70	390	400	305	370	25	510	17	186	760
225S	4.8	356	286	/	149	60	140	18	53	225	19	400	350	450	0	8-ø19	5	75	435	450	335	370	28	555	20	189	810
225M	2	356	311	/	149	55	110	16	49	225	19	400	350	450	0	8-ø19	5	75	435	450	335	395	28	555	20	189	805
	4-12	356	311	/	149	60	140	18	53	225	19	400	350	450	0	8-ø19	5	75	435	450	335	395	28	555	20	189	835
250M	2	406	349	/	168	60	140	18	53	250	24	500	450	550	0	8-ø19	5	80	485	490	365	445	30	625	22	207	910
	4-12	406	349	/	168	65	140	18	58	250	24	500	450	550	0	8-ø19	5	80	485	490	365	445	30	625	22	207	910
280S	2	457	368	/	190	65	140	18	58	280	24	500	450	550	0	8-ø19	5	85	545	550	400	490	35	685	22	215	985
	4-12	457	368	/	190	75	140	20	67.5	280	24	500	450	550	0	8-ø19	5	85	545	550	400	490	35	685	22	215	985
280M	2	457	419	/	190	65	140	18	58	280	24	500	450	550	0	8-ø19	5	85	545	550	400	540	35	685	22	215	1030
	4-12	457	419	/	190	75	140	20	67.5	280	24	500	450	550	0	8-ø19	5	85	545	550	400	540	35	685	22	215	1060
315S	2	508	406	/	216	65	140	18	58	315	28	600	550	660	0	8-ø24	6	120	630	625	555	570	45	845	22	257	1180
	4-12	508	406	/	216	80	170	22	71	315	28	600	550	660	0	8-ø24	6	120	630	625	555	570	45	845	22	257	1210
315M	2	508	457	508	216	65	140	18	58	315	28	600	550	660	0	8-ø24	6	120	630	625	555	680	45	845	22	257	1290
	4-12	508	457	508	216	80	170	22	71	315	28	600	550	660	0	8-ø24	6	120	630	625	555	680	45	845	22	257	1320
355L	2	610	500	560	254	75	140	20	67.5	355	28	740	680	800	0	8-ø24	6	120	730	710	615	750	52	970	25	284	1526
	4-12	610	500	560	254	100	210	25	86	355	28	740	680	800	0	8-ø24	6	120	730	710	615	750	52	970	25	284	1596
400ML	2	686	710	800	280	80	170	22	71	400	35	940	880	1000	0	8-ø28	6	120	810	810	/	1250	45	1090	25	362	1850
	4-12	686	710	800	280	110	210	28	100	400	35	940	880	1000	0	8-ø28	6	120	810	810	/	1250	45	1090	25	362	1925

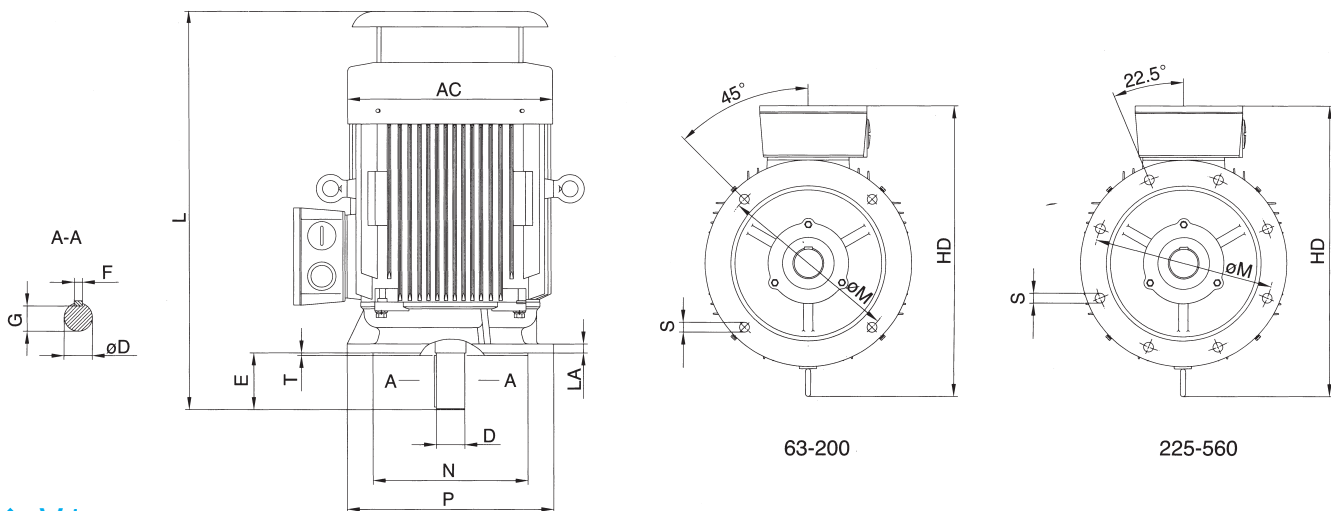
R= distance from flange to shaft shoulder.



◆ B5

Frame size	Pole	Mounting dimensions (mm)										Overall dimensions (mm)				
		D	E	F	G	M	N	P	R	S	T	AC	HD	LA	LD	L
80M	2-12	19	40	6	15.5	165	130	200	0	4- ϕ 12	4	160	225	12	75	280
90S	2-12	24	50	8	20	165	130	200	0	4- ϕ 12	4	175	245	12	75	315
90L	2-12	24	50	8	20	165	130	200	0	4- ϕ 12	4	175	245	12	75	340
100L	2-12	28	60	8	24	215	180	250	0	4- ϕ 15	4	200	280	13	83	375
112M	2-12	28	60	8	24	215	180	250	0	4- ϕ 15	4	225	305	14	87	400
132S	2-12	38	80	10	33	265	230	300	0	4- ϕ 15	4	260	365	14	102	465
132M	2-12	38	80	10	33	265	230	300	0	4- ϕ 15	4	260	365	14	102	505
160M	2-12	42	110	12	37	300	250	350	0	4- ϕ 19	5	315	445	15	146	600
160L	2-12	42	110	12	37	300	250	350	0	4- ϕ 19	5	315	445	15	146	640
180M	2.4	48	110	14	42.5	300	250	350	0	4- ϕ 19	5	360	480	15	161	690
180L	4-12	48	110	14	42.5	300	250	350	0	4- ϕ 19	5	360	480	15	161	730
200L	2-12	55	110	16	49	350	300	400	0	4- ϕ 19	5	400	530	17	186	760
225S	4.8	60	140	18	53	400	350	450	0	8- ϕ 19	5	450	575	20	189	810
225M	2	55	110	16	49	400	350	450	0	8- ϕ 19	5	450	575	20	189	805
	4-12	60	140	18	53	400	350	450	0	8- ϕ 19	5	450	575	20	189	835
250M	2	60	140	18	53	500	450	550	0	8- ϕ 19	5	490	635	22	207	910
	4-12	65	140	18	58	500	450	550	0	8- ϕ 19	5	490	635	22	207	910
280S	2	65	140	18	58	500	450	550	0	8- ϕ 19	5	550	725	22	215	985
	4-12	65	140	20	67.5	500	450	550	0	8- ϕ 19	5	550	725	22	215	1005
280M	2	65	140	18	58	500	450	550	0	8- ϕ 19	5	550	725	22	215	1030
	4-12	75	140	20	67.5	500	450	550	0	8- ϕ 19	5	550	725	22	215	1060

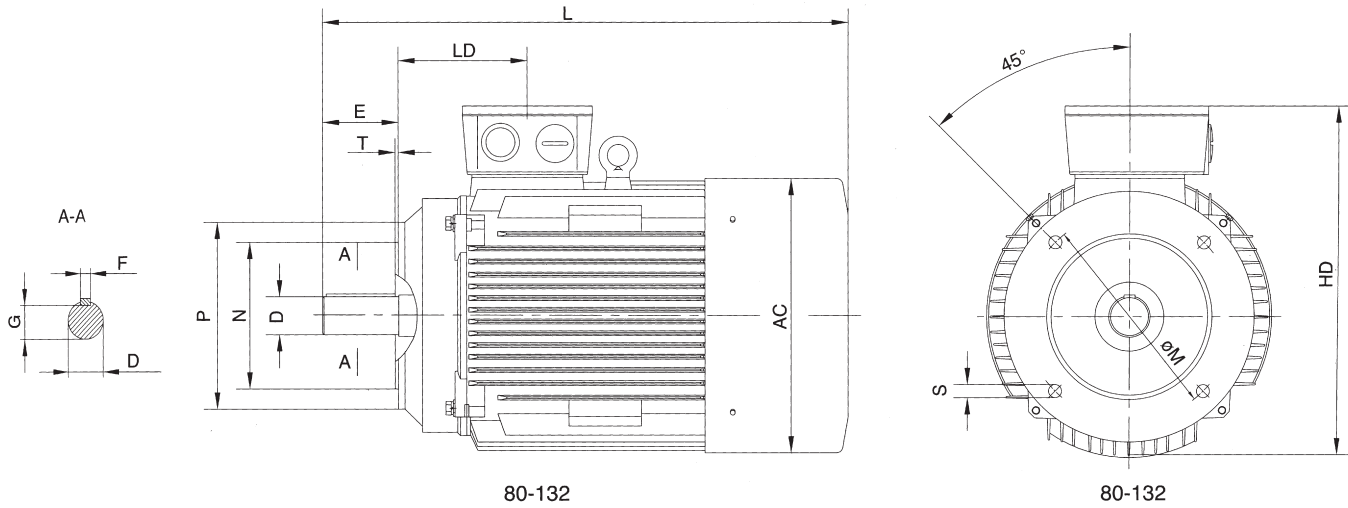
R= distance from flange to shaft shoulder.



◆ V1

Frame size	Pole	Mounting dimensions (mm)										Overall dimensions (mm)				
		D	E	F	G	M	N	P	R	S	T	AC	HD	LA	LD	L
80	2-12	19	40	6	15.5	165	130	200	0	4-ø12	4	160	225	12	75	305
90S	2-12	24	50	8	20	165	130	200	0	4-ø12	4	175	245	12	75	345
90L	2-12	24	50	8	20	165	130	200	0	4-ø12	4	175	245	12	75	370
100L	2-12	28	60	8	24	215	180	250	0	4-ø15	4	200	280	13	83	410
112M	2-12	28	60	8	24	215	180	250	0	4-ø15	4	225	305	14	87	450
132S	2-12	38	80	10	33	265	230	300	0	4-ø15	4	260	365	14	102	510
132M	2-12	38	80	10	33	265	230	300	0	4-ø15	4	260	365	14	102	550
160M	2-12	42	110	12	37	300	250	350	0	4-ø19	5	315	445	15	146	660
160L	2-12	42	110	12	37	300	250	350	0	4-ø19	5	315	445	15	146	705
180M	2.4	48	110	14	42.5	300	250	350	0	4-ø19	5	360	480	15	160	750
180L	4-12	48	110	14	42.5	300	250	350	0	4-ø19	5	360	480	15	161	790
200L	2-12	55	110	16	49	350	300	400	0	4-ø19	5	400	530	17	186	840
225S	4.8	60	140	18	53	400	350	450	0	8-ø19	5	450	575	20	189	905
225M	2	55	110	16	49	400	350	450	0	8-ø19	5	450	575	20	189	910
	4-12	60	140	18	53	400	350	450	0	8-ø19	5	450	575	20	189	935
250M	2	60	140	18	53	500	450	550	0	8-ø19	5	490	635	22	207	1005
	4-12	65	140	18	53	500	450	550	0	8-ø19	5	490	635	22	207	1005
280S	2	65	140	18	53	500	450	550	0	8-ø19	5	550	725	22	215	1110
	4-12	75	140	20	67.5	500	450	550	0	8-ø19	5	550	725	22	215	1030
280M	2	65	140	18	58	500	450	550	0	8-ø19	5	550	725	22	215	1155
	4-12	75	140	20	67.5	500	450	550	0	8-ø19	5	550	725	22	215	1185
315S	2	65	140	18	58	600	550	660	0	8-ø24	6	625	865	22	257	1340
	4-12	80	170	22	71	600	550	660	0	8-ø24	6	625	865	22	257	1370
315ML	2	65	140	18	58	600	550	660	0	8-ø24	6	625	865	22	257	1450
	4-12	80	170	22	71	600	550	660	0	8-ø24	6	625	865	22	257	1480
355ML	2	75	140	20	67.5	740	680	800	0	8-ø24	6	710	970	25	284	1665
	4-12	95	170	25	86	740	680	800	0	8-ø24	6	710	970	25	284	1740
400ML	2	80	170	22	71	940	880	1000	0	8-ø28	6	860	1150	25	362	2150
	4-12	110	210	28	100	940	880	1000	0	8-ø28	6	810	1150	25	362	2220

R= distance from flange to shaft shoulder.



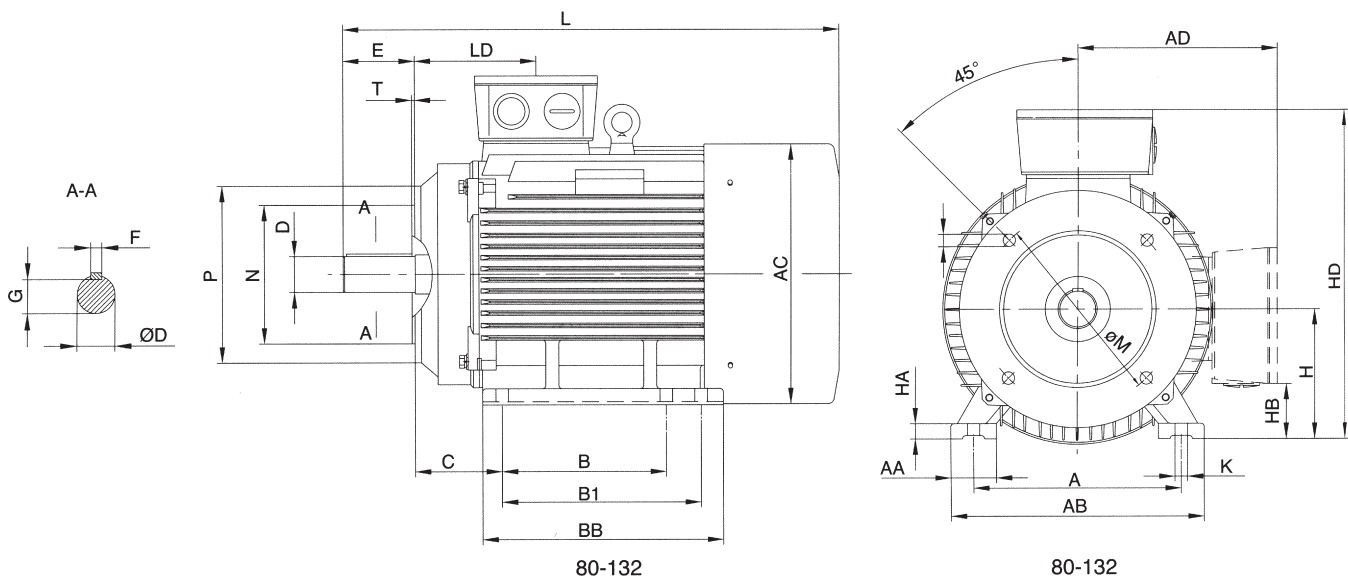
◆ B14A

Frame size	Pole	Mounting dimensions (mm)										Overall dimensions (mm)			
		D	E	F	G	M	N	P	R	S	T	AC	HD	LD	L
63	2.4	11	23	4	8.5	75	60	90	0	4-M5	2.5	125	185	65	225
71	2.4.6	14	30	5	11	85	70	105	0	4-M6	2.5	140	200	70	250
80	2-12	19	40	6	15.5	100	80	120	0	4-M6	3	160	225	75	280
90S	2-12	24	50	8	20	115	95	140	0	4-M8	3	175	245	75	315
90L	2-12	24	50	8	20	115	95	140	0	4-M8	3	175	245	75	340
100L	2-12	28	60	8	24	130	110	160	0	4-M8	3.5	200	280	83	375
112M	2-12	28	60	8	24	130	110	160	0	4-M8	3.5	225	305	87	400
132S	2-12	38	80	10	33	165	130	200	0	4-M10	4	260	365	102	465
132M	2-12	38	80	10	33	165	130	200	0	4-M10	4	260	365	102	505

◆ B14B

Frame size	Pole	Mounting dimensions (mm)										Overall dimensions (mm)			
		D	E	F	G	M	N	P	R	S	T	AC	HD	LD	L
63	2.4	11	23	4	8.5	100	80	120	0	4-M6	3	125	185	65	225
71	2.4.6	14	30	5	11	115	95	140	0	4-M8	3	140	200	70	250
80	2-12	19	40	6	15.5	130	110	160	0	4-M8	3.5	160	225	75	280
90S	2-12	24	50	8	20	130	110	160	0	4-M8	3.5	175	245	75	315
90L	2-12	24	50	8	20	130	110	160	0	4-M8	3.5	175	245	75	340
100L	2-12	28	60	8	24	165	130	200	0	4-M10	3.5	200	280	83	375
112M	2-12	28	60	8	24	165	130	200	0	4-M10	3.5	225	305	87	400
132S	2-12	38	80	10	33	215	180	250	0	4-M12	4	260	365	102	465
132M	2-12	38	80	10	33	215	180	250	0	4-M12	4	260	365	102	505

R= distance from flange to shaft shoulder.

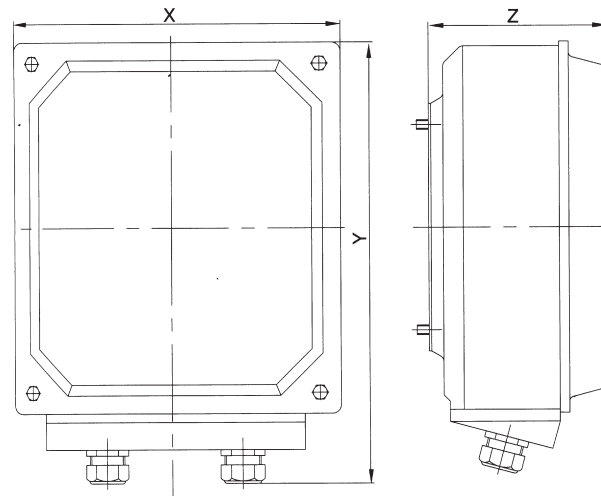


◆ B34

Frame size	Pole	Mounting dimensions (mm)															Overall dimensions (mm)				
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	L
63M	2.4	100	80	40	11	23	4	8.5	63	7	75	60	90	0	4-M5	2.5	135	125	-	185	225
71M	2.4.6	112	90	45	14	30	5	11	71	7	85	70	105	0	4-M6	2.5	150	140	-	200	250
80M	2-12	125	100	50	19	40	6	15.5	80	10	100	80	120	0	4-M6	3	160	160	145	225	280
90S	2-12	140	100	56	24	50	8	20	90	10	115	95	140	0	4-M8	3	180	175	155	245	315
90L	2-12	140	125	56	24	50	8	20	90	10	115	95	140	0	4-M8	3	180	175	155	245	340
100L	2-12	160	140	63	28	60	8	24	100	12	130	110	160	0	4-M8	3.5	200	200	180	270	375
112M	2-12	190	140	70	28	60	8	24	112	12	130	110	160	0	4-M8	3.5	230	225	190	305	400
132S	2-12	216	140	89	38	80	10	33	132	12	165	130	200	0	4-M10	4	265	260	210	345	465
132M	2-12	216	178	89	38	80	10	33	132	12	165	130	200	0	4-M10	4	265	260	210	345	505

◆ B34

Frame size	Pole	Mounting dimensions (mm)															Overall dimensions (mm)				
		A	B	C	D	E	F	G	H	K	M	N	P	R	S	T	AB	AC	AD	HD	L
63M	2.4	100	80	40	11	23	4	8.5	63	7	100	80	120	0	4-M6	3	135	125	-	185	225
71M	2.4.6	112	90	45	14	30	5	11	71	7	115	95	140	0	4-M8	3	150	140	-	200	250
80M	2-12	125	100	50	19	40	6	15.5	80	10	130	110	160	0	4-M8	3.5	160	160	145	225	280
90S	2-12	140	100	56	24	50	8	20	90	10	130	110	160	0	4-M8	3.5	180	175	155	245	315
90L	2-12	140	125	56	24	50	8	20	90	10	130	110	160	0	4-M8	3.5	180	175	155	245	340
100L	2-12	160	140	63	28	60	8	24	100	12	165	130	200	0	4-M10	3.5	200	200	180	270	375
112M	2-12	190	140	70	28	60	8	24	112	12	165	130	200	0	4-M10	3.5	230	225	190	305	400
132S	2-12	216	140	89	38	80	10	33	132	12	215	180	250	0	4-M12	4	265	260	210	345	465
132M	2-12	216	178	89	38	80	10	33	132	12	215	180	250	0	4-M12	4	265	260	210	345	505



Frame size	Dia.of the gland mm	X x Y x Z
63~71	1-M20x1.5-6H	95x95x50
80~100	2-M25x1.5-6H	106x108x65
112~132	2-M32x1.5-6H	124x128x78
160~180	2-M40x1.5-6H	158x168x90
200~225	2-M50x1.5-6H	196x216x105
250~280	2-M63x1.5-6H	226x226x124
315	2-M63x1.5-6H	303x303x170
355	4-M63x1.5-6H	360x485x200
400	7-M63x1.5-6H	430x545x275

CUSCINETTI - BEARINGS

B3 B35 B5						
Frame size	Driving End			Non-driving End		
	2 pole	4 pole	>6 pole	2 pole	4 pole	>6 pole
63	6201ZZ	6201ZZ	6201ZZ	6201ZZ	6201ZZ	6201ZZ
71	6202ZZ	6202ZZ	6202ZZ	6202ZZ	6202ZZ	6202ZZ
80	6204ZZ	6204ZZ	6204ZZ	6204ZZ	6204ZZ	6204ZZ
90	6205ZZ/C3	6205ZZ/C3	6205ZZ	6205ZZ/C3	6205ZZ/C3	6205ZZ
100	6206ZZ/C3	6206ZZ/C3	6206ZZ/C3	6206ZZ/C3	6206ZZ/C3	6206ZZ/C3
112	6306ZZ/C3	6306ZZ/C3	6306ZZ/C3	6306ZZ/C3	6306ZZ/C3	6306ZZ/C3
132	6308ZZ/C3	6308ZZ/C3	6308ZZ/C3	6308ZZ/C3	6308ZZ/C3	6308ZZ/C3
160	6309ZZ/C3	6309ZZ/C3	6309ZZ/C3	6309ZZ/C3	6309ZZ/C3	6309ZZ/C3
180	6311ZZ/C3	6311ZZ/C3	6311ZZ/C3	6311ZZ/C3	6311ZZ/C3	6311ZZ/C3
200	6312ZZ/C3	6312ZZ/C3	6312ZZ/C3	6312ZZ/C3	6312ZZ/C3	6312ZZ/C3
225	6313ZZ/C3	6313ZZ/C3	6313ZZ/C3	6313ZZ/C3	6313ZZ/C3	6313ZZ/C3
250	6314ZZ/C3	6314ZZ/C3	6314ZZ/C3	6314ZZ/C3	6314ZZ/C3	6314ZZ/C3
280	6314C3	6317C3	6317C3	6314C3	6317C3	6317C3
315	6317C3	6319C3	6319C3	6317C3/7317B(V1)	6319C3/7319B(V1)	6319C3/7319B(V1)
355	6317C3	6322C3	6322C3	6317C3/7317B(V1)	6320C3/7319B(V1)	6320C3/7319B(V1)
400	6317C3	6326C3	6326C3	6317C3/7317B(V1)	6326C3/7319B(V1)	6326C3/7319B(V1)

V1						
Frame size	Driving End			Non-driving End		
	2 pole	4 pole	>6 pole	2 pole	4 pole	>6 pole
315	6317C3	6319C3(NU319)	6319C3(NU319)	7317	7319	7319
355	6319C3	6322C3(NU322)	6322C3(NU322)	7319	7320	7320
400	6317C3	6326C3(NU326)	6326C3(NU326)	7319	7326	7326

VIBRAZIONI - VIBRATION

Frame size	≤132		>132~225		>225~400	
Synchronous Speed r/min	600~1800	>1800~3600	600~1800	>1800~3600	500~1800	>1800~3600
Vibration Class	Effective Value of speed mm/s					
N	1.8		2.8		3.5	
R	0.71	1.12	1.12	1.80	1.80	2.80
S	0.45	0.71	0.71	1.12	1.12	1.80

RUMOROSITA (50Hz) NOISE (50Hz)

Output (kW)	Synchronous Speed r/min					
	3000	1500	1000	750	600	500
	Lp dB(A) Sound perssure level in dB(A)					
	no load	no load	no load	no load	no load	no load
0.09	/	/	/	/	40	/
0.12	/	45	/	/	40	/
0.18	50	45	45	42	40	/
0.25	50	46	45	42	40	40
0.37	54	46	46	44	40	44
0.55	54	47	46	44	40	44
0.75	57	47	48	45	43	48
1.1	57	51	48	45	43	54
1.5	62	51	52	48	48	54
2.2	62	52	54	50	50	60
3	66	52	57	51	55	60
4	67	55	57	56	55	60
5.5	70	57	57	56	58	62
7.5	70	57	61	57	58	62
11	76	62	61	59	60	65
15	76	62	61	60	60	69
18.5	76	64	65	62	60	72
22	79	65	65	62	64	72
30	81	66	65	64	64	75
37	81	70	66	65	64	75
45	81	70	68	65	66	75
55	82	72	68	66	66	75
75	83	75	70	66	66	72
90	84	75	70	67	66	72
110	86	78	71	67	68	72
132	86	78	71	72	68	75
160	87	80	72	72	68	75
200	87	80	73	73	68	75
250	90	84	73	73	68	75
315	90	84	76	75	68	75
355	90	84	76	75	70	75
400	94	87	76	75	70	75
450	94	87	76	77	70	75
500	94	89	76	77	72	75
560*	94	89	79	78	72	75
630*	94	91	79	78	72	/
710*	94	92	79	79	74	/
800*	96	92	82	79	74	/
900*	96	92	82	79	74	/
1000*	96	92	82	80	/	/
1120*	96	94	84	80	/	/
1250*	96	94	84	80	/	/
1400*	96	94	84	/	/	/

* a richiesta
* on request



NOTE

Lined area for notes, consisting of approximately 18 horizontal blue lines.

