



# Open Drip Proof Motors



# IP23



**Available IE2 IE3**

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

Motor Type	Rated output KW	Full load					Locked Current	Locked Torque	Break-down Torque	moment of inertia J	weight
		Current A		Speed r/min	Power factor COSØ	Efficiency η%					
		380V	400V				Rated Current	Rated Torque	Rated Torque	kgm <sup>2</sup>	kg
Y <sub>2</sub> -ODP 160M2	15	28.9	27.5	2920	0.88	89.5	6.5	2.0	2.5	0.067	132
Y <sub>2</sub> -ODP 160L2	18.5	35.1	33.3	2925	0.88	91.0	6.8	2.1	2.6	0.068	141
Y <sub>2</sub> -ODP 160LX2	22	43.6	41.4	2925	0.87	88.2	7.0	2.1	2.6	0.070	152
Y <sub>2</sub> -ODP 180M2	30	56.6	53.7	2935	0.89	90.8	7.0	2.2	2.8	0.125	210
Y <sub>2</sub> -ODP 180L2	37	69.3	65.8	2940	0.89	91.2	7.0	2.2	2.8	0.135	222
Y <sub>2</sub> -ODP 200M2	45	83.7	79.5	2945	0.89	91.8	7.0	2.1	2.7	0.188	285
Y <sub>2</sub> -ODP 200L2	55	102	97.3	2945	0.89	91.7	7.0	2.1	2.7	0.210	297
Y <sub>2</sub> -ODP 225M2	75	138	131	2950	0.89	92.5	7.2	2.1	2.8	0.362	367
Y <sub>2</sub> -ODP 250S2	90	163	154	2960	0.90	93.5	7.5	2.4	3.0	0.531	507
Y <sub>2</sub> -ODP 250M2	110	197	187	2965	0.90	94.5	7.5	2.4	3.0	0.584	543
Y <sub>2</sub> -ODP 280M2	132	234	223	2960	0.91	94.0	7.5	2.2	3.0	0.793	700
Y <sub>2</sub> -ODP 315S2(A)	160	289	275	2970	0.89	94.4	6.5	1.6	2.8	1.592	942
Y <sub>2</sub> -ODP 315M2(A)	200	371	352	2965	0.87	94.2	7.2	1.6	2.8	1.751	970
Y <sub>2</sub> -ODP 315LA2(A)	250	463	439	2965	0.87	94.4	7.2	1.6	2.8	1.935	1035
Y <sub>2</sub> -ODP 315LB2(A)	280	495	471	2970	0.90	95.4	7.0	1.8	2.8	2.177	1084
Y <sub>2</sub> -ODP 315LX2(A)	315	556	528	2970	0.90	95.6	7.0	1.9	3.0	2.503	1180
Y <sub>2</sub> -ODP 315LY2(B)	355	649	617	2965	0.87	95.5	7.0	1.5	2.1	2.629	1286
Y <sub>2</sub> -ODP 315LZA2(B)	400	696	662	2970	0.91	95.9	7.0	1.8	3.0	2.997	1350
Y <sub>2</sub> -ODP 315LZB2(B)	450	823	782	2970	0.87	95.5	7.0	1.5	2.1	3.145	1420
Y <sub>2</sub> -ODP 355M2	500	860	817	2970	0.92	96.0	6.5	1.3	2.7	4.500	1620
Y <sub>2</sub> -ODP 355MX2	560	963	915	2970	0.92	96.0	6.5	1.3	2.7	4.870	1730
Y <sub>2</sub> -ODP 355L2	630	1084	1030	2970	0.92	96.0	6.5	1.3	2.7	5.340	1855
Y <sub>2</sub> -ODP 355LX2	710	1221	1160	2970	0.92	96.0	6.5	1.3	2.7	5.340	1880

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

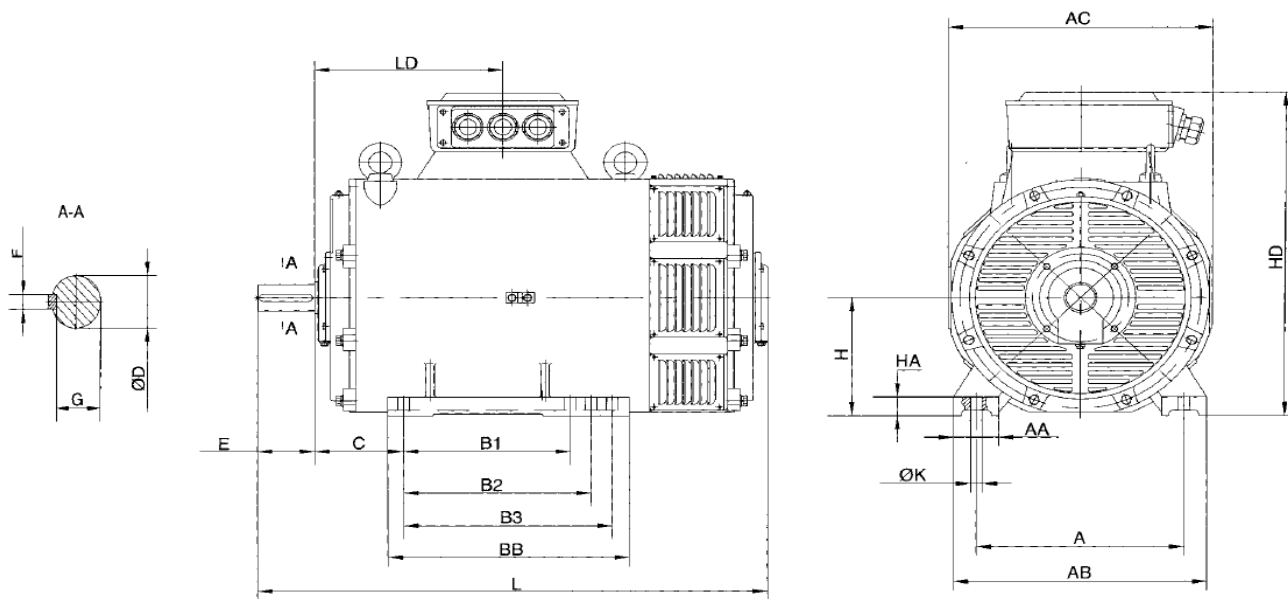
Motor Type	Rated output KW	Full load					Locked Current	Locked Torque	Break-down Torque	moment of inertia J	weight
		Current A		Speed r/min	Power factor COS $\phi$	Efficiency $\eta$ %					
		380V	400V				Rated Current	Rated Torque	Rated Torque	kgm <sup>2</sup>	kg
Y <sub>2</sub> -ODP 160M4	11	22.7	21.6	1450	0.83	88.7	6.0	1.8	2.3	0.122	140
Y <sub>2</sub> -ODP 160L4	15	30.2	28.7	1460	0.84	89.8	6.5	2.0	2.5	0.128	142
Y <sub>2</sub> -ODP 160LX4	18.5	36.8	35.0	1460	0.84	90.9	7.0	2.2	2.5	0.130	154
Y <sub>2</sub> -ODP 180M4	22	41.6	39.6	1460	0.88	91.2	7.5	2.7	3.2	0.224	206
Y <sub>2</sub> -ODP 180L4	30	59.0	53.5	1460	0.88	91.9	7.5	2.7	3.2	0.266	226
Y <sub>2</sub> -ODP 200M4	37	71.3	67.7	1465	0.86	91.7	6.5	2.1	2.6	0.328	297
Y <sub>2</sub> -ODP 200L4	45	86.4	82.1	1465	0.86	92.0	6.5	2.1	2.6	0.620	311
Y <sub>2</sub> -ODP 225M4	55	102	97.0	1470	0.88	93.0	7.0	2.4	3.0	0.945	389
Y <sub>2</sub> -ODP 250S4	75	139	132	1475	0.88	93.1	7.0	2.4	3.0	1.032	524
Y <sub>2</sub> -ODP 250M4	90	164	156	1475	0.89	93.5	7.2	2.4	3.0	1.546	551
Y <sub>2</sub> -ODP 280S4	110	197	187	1475	0.90	94.4	7.4	2.6	3.2	1.764	735
Y <sub>2</sub> -ODP 280M4	132	238	226	1475	0.90	93.5	7.0	2.4	3.0	3.212	742
Y <sub>2</sub> -ODP 315S4(A)	160	295	280	1480	0.87	94.8	6.2	1.7	2.5	3.074	968
Y <sub>2</sub> -ODP 315M4(A)	200	367	349	1480	0.87	95.2	6.2	1.7	2.5	3.744	1064
Y <sub>2</sub> -ODP 315LA4(A)	250	453	430	1480	0.88	95.3	6.2	1.7	2.5	4.481	1165
Y <sub>2</sub> -ODP 315LB4(A)	280	512	486	1475	0.87	95.6	6.0	1.6	2.4	4.446	1205
Y <sub>2</sub> -ODP 315LX4(B)	315	567	539	1480	0.88	95.9	6.5	1.8	2.6	5.126	1364
Y <sub>2</sub> -ODP 315LY4(B)	355	646	614	1480	0.87	96.0	7.0	1.9	2.8	6.090	1498
Y <sub>2</sub> -ODP 315LZB4(B)	400	748	710	1480	0.86	94.5	6.7	1.6	2.4	6.211	1506
Y <sub>2</sub> -ODP 355S4	450	827	786	1485	0.87	95.0	6.0	1.4	2.3	8.480	1750
Y <sub>2</sub> -ODP 355M4	500	914	869	1485	0.87	95.5	6.0	1.4	2.3	9.170	1790
Y <sub>2</sub> -ODP 355MX4	560	1012	962	1485	0.88	95.5	6.0	1.4	2.3	10.49	1945
Y <sub>2</sub> -ODP 355L4	630	1145	1088	1485	0.88	95.0	6.5	1.6	2.5	12.08	2095
Y <sub>2</sub> -ODP 355LX4	710	1277	1213	1485	0.88	96.0	6.5	1.6	2.5	12.08	2130

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

Motor Type	Rated output KW	Full load					Locked Current	Locked Torque	Break-down Torque	moment of inertia J	weight
		Current A		Speed r/min	Power factor COSØ	Efficiency η%					
		380V	400V				Rated Current	Rated Torque	Rated Torque	kgm²	kg
Y <sub>2</sub> -ODP 160LX6	11	24.7	23.4	975	0.77	88.0	6.0	1.8	2.5	0.162	141
Y <sub>2</sub> -ODP 180M6	15	31.6	30.0	975	0.81	89.0	6.0	2.3	2.8	0.231	198
Y <sub>2</sub> -ODP 180L6	18.5	38.1	36.2	975	0.82	90.0	6.0	2.3	2.8	0.256	212
Y <sub>2</sub> -ODP 200M6	22	44.9	42.7	980	0.82	90.7	6.5	2.1	2.7	0.342	262
Y <sub>2</sub> -ODP 200L6	30	61.0	57.9	980	0.82	91.2	6.5	2.1	2.7	0.402	279
Y <sub>2</sub> -ODP 225M6	37	71.4	67.8	980	0.86	91.6	6.5	2.1	2.7	0.632	343
Y <sub>2</sub> -ODP 250S6	45	88.9	84.4	985	0.84	91.6	6.5	2.2	2.8	0.834	473
Y <sub>2</sub> -ODP 250M6	55	108	103	985	0.84	91.8	6.5	2.2	2.8	0.894	490
Y <sub>2</sub> -ODP 280S6	75	148	140	985	0.83	93.0	6.0	2.0	2.5	1.421	675
Y <sub>2</sub> -ODP 280M6	90	174	165	985	0.84	93.6	6.0	2.0	2.5	1.853	745
Y <sub>2</sub> -ODP 315S6(A)	110	216	206	988	0.82	94.2	5.5	1.6	2.4	3.378	925
Y <sub>2</sub> -ODP 315M6(A)	132	259	246	988	0.82	94.6	5.5	1.7	2.4	3.961	965
Y <sub>2</sub> -ODP 315MX6(A)	160	316	300	988	0.81	95.0	6.0	1.8	2.5	4.804	1083
Y <sub>2</sub> -ODP 315LA6(A)	180	351	334	988	0.82	95.0	6.0	1.8	2.5	5.187	1127
Y <sub>2</sub> -ODP 315LB6(A)	200	385	366	988	0.83	95.0	6.0	1.8	2.5	5.727	1165
Y <sub>2</sub> -ODP 315LX6(B)	225	433	411	988	0.83	95.2	6.0	1.8	2.5	6.309	1335
Y <sub>2</sub> -ODP 315LY6(B)	250	481	457	988	0.83	95.2	6.0	1.9	2.5	7.022	1371
Y <sub>2</sub> -ODP 315LZB6(B)	280	538	511	988	0.83	95.2	6.0	1.9	2.5	7.888	1462
Y <sub>2</sub> -ODP 355S6	315	618	587	988	0.82	94.5	5.0	1.5	1.9	7.910	1620
Y <sub>2</sub> -ODP 355M6	355	692	658	988	0.82	95.0	5.3	1.6	2.0	9.330	1730
Y <sub>2</sub> -ODP 355MX6	400	780	741	988	0.82	95.0	5.5	1.6	2.0	9.330	1770
Y <sub>2</sub> -ODP 355MY6	450	878	834	988	0.82	95.0	5.5	1.6	2.0	10.74	1925
Y <sub>2</sub> -ODP 355L6	500	970	922	988	0.82	95.5	6.0	1.7	2.2	12.25	2075

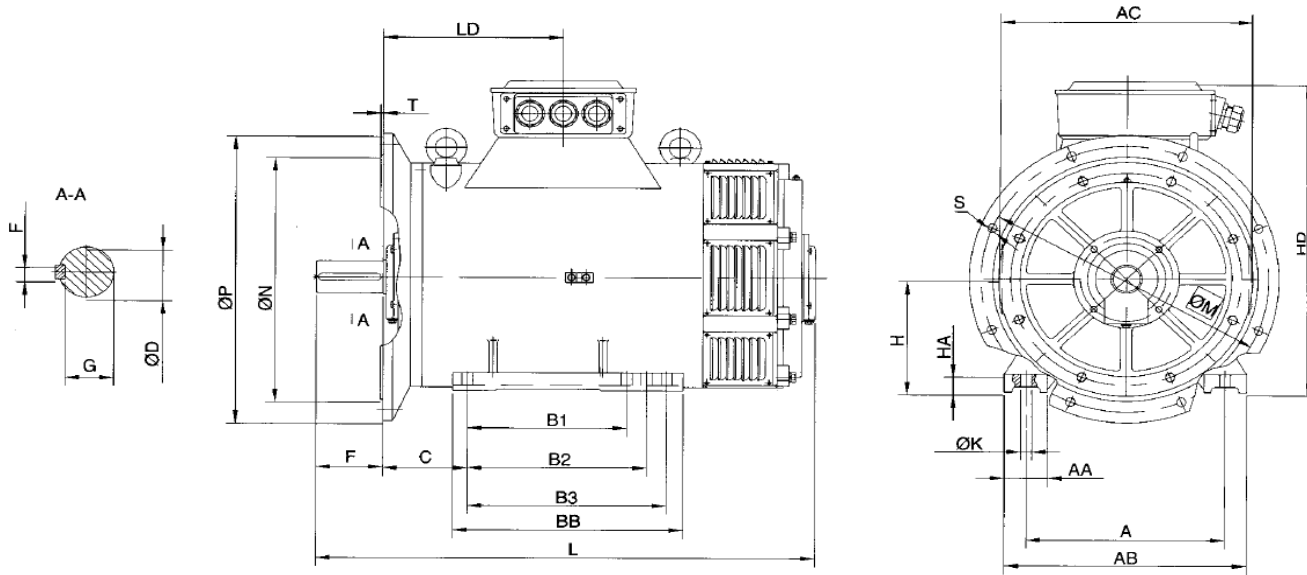
SPECIFICHE TECNICHE (50HZ) 8 POLI  
 TECHNICAL SPECIFICATION (50HZ) 8 POLE

Motor Type	Rated output KW	Full load					Locked Current	Locked Torque	Break-down Torque	moment of inertia J	weight
		Current A		Speed r/min	Power factor COSØ	Efficiency η%					
		380V	400V				Rated Current	Rated Torque	Rated Torque	kgm <sup>2</sup>	kg
Y <sub>2</sub> -ODP 180M8	11	26	25	715	0.76	84.0	4.5	1.8	2.1	0.220	185
Y <sub>2</sub> -ODP 180L8	15	35	33	715	0.77	84.5	4.5	1.8	2.1	0.260	200
Y <sub>2</sub> -ODP 200M8	18.5	43	41	720	0.77	84.5	4.5	1.8	2.1	0.340	240
Y <sub>2</sub> -ODP 200L8	22	50	48	720	0.77	86.0	4.5	1.8	2.1	0.370	250
Y <sub>2</sub> -ODP 225M8	30	67	64	725	0.77	88.0	4.8	1.8	2.2	0.640	355
Y <sub>2</sub> -ODP 250S8	37	83	79	730	0.77	88.0	4.8	1.8	2.2	0.850	420
Y <sub>2</sub> -ODP 250M8	45	101	96	730	0.77	88.0	4.8	1.8	2.2	0.920	440
Y <sub>2</sub> -ODP 280S8	55	120	114	730	0.77	90.5	5.5	2.0	2.5	1.800	645
Y <sub>2</sub> -ODP 280M8	75	164	155	730	0.77	90.5	5.5	2.0	2.5	1.800	645
Y <sub>2</sub> -ODP 315S8	90	188	179	735	0.79	92.0	6.0	1.7	3.0	3.956	870
Y <sub>2</sub> -ODP 315M8	110	226	215	735	0.8	92.5	6.0	1.7	3.0	5.125	955
Y <sub>2</sub> -ODP 315MX8	132	271	257	735	0.8	92.5	6.0	1.7	3.0	5.983	970
Y <sub>2</sub> -ODP 315L8	160	313	298	735	0.83	93.5	5.8	1.3	2.3	6.865	1060
Y <sub>2</sub> -ODP 315LX8	200	398	379	735	0.82	93.0	5.5	1.2	2.2	7.895	1110
Y <sub>2</sub> -ODP 315LY8	225	446	424	735	0.82	93.5	5.8	1.3	2.3	8.354	1280
Y <sub>2</sub> -ODP 355M8	250	525	499	742	0.77	94.0	5.0	1.4	2.0	9.540	1760
Y <sub>2</sub> -ODP 355MX8	280	585	555	742	0.77	94.5	5.0	1.4	2.0	10.97	1925
Y <sub>2</sub> -ODP 355L8	315	641	609	742	0.79	94.5	5.0	1.4	2.0	12.51	2080



◆ B3

Frame size	Poles	Mounting dimensions (mm)											Overall dimensions (mm)							
		A	B1	B2	B3	C	D	E	F	G	H	K	AB	AC	HD	BB	LD	HA	AA	L
160M/L	2/4/6/8	254	210	254	/	108	48	110	14	42.5	160	14	294	305	430	306	228	24	45	700
180M/L	2/4/6/8	279	241	279	/	121	55	110	16	49	180	15	350	380	490	355	262	30	65	760
200M/L	2/4/6/8	318	267	305	/	133	60	140	18	53	200	19	392	445	550	375	287	30	70	805
225M	2	356	311	/	/	149	60	140	18	53	225	19	445	475	630	387	318	35	75	885
225M	4/6/8	356	311	/	/	149	65	140	18	58	225	19	445	475	630	387	318	35	75	885
250S/M	2	406	311	349	/	168	65	140	18	58	250	24	492	520	730	425	332	40	85	960
250S/M	4/6/8	406	311	349	/	168	75	140	20	67.5	250	24	492	520	730	425	332	40	85	960
280S/M	2	457	368	419	/	190	65	140	18	58	280	24	555	585	785	490	369	45	95	1060
280S/M	4/6/8	457	368	419	/	190	80	170	22	71	280	24	555	585	785	490	369	45	95	1090
315(A)	2	508	406	457	508	216	70	140	20	62.5	315	28	620	665	875	615	473	50	110	1260
315(A)	4/6/8	508	406	457	508	216	90	170	25	81	315	28	620	665	875	615	473	50	110	1295
315(B)	2	508	457	508	560	216	80	140	22	71	315	28	620	665	875	800	473	50	110	1455
315(B)	4/6/8	508	457	508	560	216	90	170	25	81	315	28	620	665	875	800	473	50	110	1490
355M/L	2	610	500	560	630	254	80	170	22	71	355	24	740	768	1085	760	569	55	120	1628
355M/L	4/6/8	610	500	560	630	254	100	210	28	90	355	24	740	768	1085	760	569	55	120	1670



◆ B35

Frame size	Poles	Mounting dimensions (mm)																Overall dimensions (mm)			
		A	B1	B2	B3	C	D	E	F	G	H	K	M	N	P	S	T	AB	AC	HD	L
160M/L	2/4/6/8	254	210	254	/	108	48	110	14	42.5	160	14	300	250	350	4-19	5	294	305	430	700
180M/L	2/4/6/8	279	241	279	/	121	55	110	16	49	180	15	350	300	400	4-19	5	350	380	490	760
200M/L	2/4/6/8	318	267	305	/	133	60	140	18	53	200	19	400	350	450	8-19	5	392	445	550	805
225M	2	356	311	/	/	149	60	140	18	53	225	19	500	450	550	8-19	5	445	475	630	885
225M	4/6/8	356	311	/	/	149	65	140	18	58	225	19	500	450	550	8-19	5	445	475	630	885
250S/M	2	406	311	349	/	168	65	140	18	58	250	24	600	550	660	8-24	6	492	520	730	690
250S/M	4/6/8	406	311	349	/	168	75	140	20	67.5	250	24	600	550	660	8-24	6	492	520	730	690
280S/M	2	457	368	419	/	190	65	140	18	58	280	24	600	550	660	8-24	6	555	585	785	1060
280S/M	4/6/8	457	368	419	/	190	80	170	22	71	280	24	600	550	660	8-24	6	555	585	785	1090
315(A)	2	508	406	457	508	216	70	140	20	62.5	315	28	740	680	800	8-24	6	620	665	875	1260
315(A)	4/6/8	508	406	457	508	216	90	170	25	81	315	28	740	680	800	8-24	6	620	665	875	1295
315(B)	2	508	457	508	560	216	80	140	22	71	315	28	740	680	800	8-24	6	620	665	875	1455
315(B)	4/6/8	508	457	508	560	216	90	170	25	81	315	28	740	680	800	8-24	6	620	665	875	1490
355M/L	2	610	500	560	630	254	80	170	22	71	355	24	940	880	1000	8-20	6	740	768	1085	1628
355M/L	4/6/8	610	500	560	630	254	100	210	28	90	355	24	940	880	1000	8-20	6	740	768	1085	1670