



# EM-PMI Electric Machines

### PROTECTION CLASS:

IP67 (EM-PMI375, available as option)  
IP65 (EM-PMI375 – EM-PMI540)  
IP54 (EM-PMI580 – EM-PMI1520)

### INSULATION CLASS:

H (180°C)

### TEMPERATURE CLASS:

F (155°C), maximum winding temperature 150°C

### COOLANT:

Plain water with appropriate corrosion inhibitor. Rated values for all motors are for 500 VAC terminal voltage.



## Standard electric machine range:

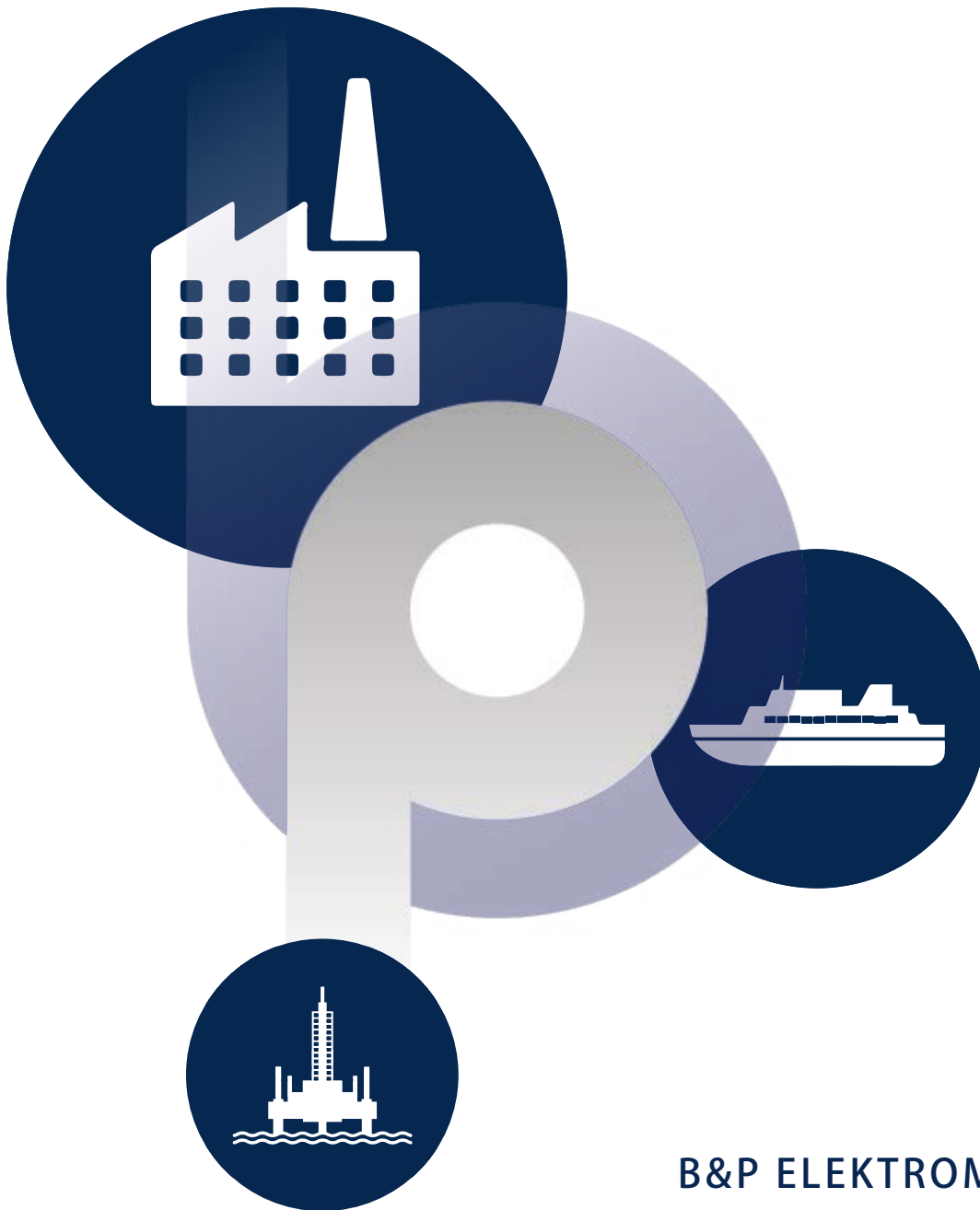
TYPE	COOLANT TEMPERATURE +40°C									
	Cont. Torque [Nm]	Cont. Power [kW]	Nom. speed [rpm]	Nominal Current [A]	Max. speed [rpm]	Peak torque [Nm]	Nominal frequency [Hz]	Diameter [mm]	Length [mm]	Weight [kg]
EM-PMI375-T200-600	210	13	600	18	1200	500	60.0	450	278	98
EM-PMI375-T200-1000	213	22	1000	31	2000	500	100.0	450	278	98
EM-PMI375-T200-1400	209	31	1400	39	2800	500	140.0	450	278	98
EM-PMI375-T200-1900	203	40	1900	60	3800	500	190.0	450	278	98
EM-PMI375-T200-2600	205	56	2600	73	4000	500	260.0	450	278	98
EM-PMI375-T200-3200	189	63	3200	85	4000	500	320.0	450	278	98
EM-PMI375-T500-1100	573	66	1100	86	2200	1490	110	450	368	172
EM-PMI375-T500-1300	575	78	1300	110	2600	1480	130	450	368	172
EM-PMI375-T500-1600	575	96	1600	127	3200	1450	160	450	368	172
EM-PMI375-T500-1800	560	106	1800	132	3600	1400	180	450	368	172
EM-PMI375-T500-2000	550	115	2000	149	4000	1200	200	450	368	172
EM-PMI375-T500-2300	543	125	2300	168	4000	1450	230	450	368	172
EM-PMI375-T500-2700	530	150	2700	192	4000	1194	270	450	368	172
EM-PMI375-T500-3200	484	162	3200	208	4000	1038	320	450	368	172
EM-PMI375-T800-900	910	86	900	116	1800	2280	90.0	450	428	210
EM-PMI375-T800-1300	895	122	1300	161	2600	2100	130	450	428	210
EM-PMI375-T800-1600	902	151	1600	202	3200	2100	160	450	428	210
EM-PMI375-T800-1900	854	170	1900	224	3800	2100	190	450	428	210
EM-PMI375-T800-2300	797	192	2300	251	4000	2040	230	450	428	210
EM-PMI375-T800-2800	733	215	2800	283	4000	1700	280	450	428	210
EM-PMI375-T800-3200	683	229	3200	306	4000	1450	320	450	428	210
EM-PMI375-T800-3800	628	250	3800	325	4000	1230	380	450	428	210
EM-PMI375-T1100-1200	1399	176	1200	221	2400	3270	120.0	450	548	295
EM-PMI375-T1100-1500	1310	206	1500	292	3000	2500	150.0	450	548	295
EM-PMI375-T1100-1800	1225	231	1800	310	3600	2500	180.0	450	548	295
EM-PMI375-T1100-2100	1178	259	2100	343	4000	2170	210.0	450	548	295
EM-PMI375-T1100-2400	1060	266	2400	358	4000	2000	240.0	450	548	295
EM-PMI375-T1100-2900	998	303	2900	409	4000	1500	290.0	450	548	295
EM-PMI540-T1500-700	1810	133	700	176	1400	2600	93.3	648	531	390
EM-PMI540-T1500-1200	1716	216	1200	293	2400	2600	160.0	648	531	390
EM-PMI540-T1500-1400	1723	253	1400	358	2800	2600	186.7	648	531	390
EM-PMI540-T1500-1600	1662	278	1600	391	3200	2600	213.3	648	531	390
EM-PMI540-T1500-1800	1606	303	1800	413	3600	2600	240.0	648	531	390
EM-PMI540-T1500-2100	1542	339	2100	454	4000	2500	280.0	648	531	390
EM-PMI540-T1500-2400	1510	380	2400	522	4000	2135	320.0	648	531	390
EM-PMI540-T2000-700	2716	199	700	267	1400	3700	93.3	648	598	490
EM-PMI540-T2000-1300	2386	325	1300	431	2600	3700	173.3	648	598	490
EM-PMI540-T2000-1700	2276	405	1700	543	3400	2800	226.7	648	598	490
EM-PMI540-T2000-2100	2153	473	2100	633	4000	2300	280.0	648	598	490
EM-PMI540-T3000-1300	3383	461	1300	569	2600	5940	173.3	665	840	680
EM-PMI540-T3000-1500	2991	470	1500	609	3200	4560	200.0	665	840	680
EM-PMI540-T3000-2000	2784	583	2000	732	4000	4340	266.7	665	840	680
EM-PMI540-T3000-2400	2460	619	2400	877	4000	4050	320.0	665	840	680
EM-PMI540-T4000-600	5454	342	600	463	1200	5930	80.0	665	1040	950
EM-PMI540-T4000-1200	4692	590	1200	790	2400	5930	160.0	665	1040	950
EM-PMI540-T4000-1600	4639	777	1600	1058	3200	5930	213.3	665	1040	950
EM-PMI540-T4000-2400	4067	1022	2400	1422	4000	4000	320.0	665	1040	950

## Project based electric machine range:

Series	Coolant temperature +40°C					
	Cont. torque range [Nm]	Cont. Power range [kW]	Nom. speed range [rpm]	Diameter [mm]	Length [mm]	Weight [kg]
EM-PMI580	3000-6000	130 - 950	Up to 2250	636	650-950	1300-1720
EM-PMI880	8000 - 22000	310 - 2600	Up to 2000	940	700 - 1000	2200 - 3650
EM-PMI1240	20000 - 43000	450 - 3500	Up to 1380	1320	975 - 1320	4900 - 7500
EM-PMI1520	30000 - 70000	1310 - 6030	Up to 1500	1650	1100 - 1550	7500 - 17300

All values for project machines are indicative as electric machine design could change depending on the project specifications

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