

TECHNICAL - DATA I

FRAME NO:	ESM125 B	ESM125 C	ESM125 D	ESM125 E	ESM125 F	ESM145 A	ESM145 B	ESM145 C	ESM145 D	ESM190 A	ESM190 B	ESM190 C	ESM190 D	ESM190 E
RATED POWER (KW)	1	1.5	2.2	3	4	3	4	5.6	7.5	4.5	6	7.5	11	15
RATED TORQUE (NM)	4.8	7.2	10.5	14.3	19	14.3	19	26.7	35.8	29	39	48	71.5	95
PEAK TORQUE (NM)	14.4	21.6	31.5	42.9	57	42.9	57	80.1	103.2	87	117	144	214.5	285
RATED SPEED (RPM)	2000	2000	2000	2000	2000	2000	2000	2000	2000	1500	1500	1500	1500	1500
MAX SPEED (RPM)	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000	4000
RATED CURRENT (A)	2.3	3.4	4.9	6.7	8.7	6.6	8.8	12.3	16.3	17	20	24	38	57
PEAK CURRENT (A)	6.9	10.2	14.7	20.1	26.1	19.8	26.4	36.9	48.9	51	60	72	114	171
K _t (NM/A)	2.08	2.12	2.14	2.13	2.18	2.17	2.16	2.17	2.2	1.7	1.95	2.0	1.88	1.67
K _e V _{rms} /1000RPM	125	125	125	125	125	125	125	125	125	109	108	119	104	98
WINDING RESISTANT (Ω)	13.2	8.5	5.1	3.7	3.1	2.4	1.6	1.03	0.19	0.59	0.43	0.41	0.28	0.18
WINDING INDUCTANCE (mH)	40.5	28.4	19.5	17.4	11.5	11.2	8.1	5.5	0.98	3.4	2.1	2.2	1.6	0.99
POLE	8	8	8	8	8	8	8	8	8	8	8	8	8	8
ROTOR J INERTIA (Kg-cm ²)	10.1	14.4	20.35	27.25	35.9	51.06	66.48	91.15	120.45	87	102.7	139.8	177.4	214.5
INSULATION	F	F	F	F	F	F	F	F	F	F	F	F	F	F
COOLING	IC 0041	IC 0041	IC 0041	IC 0041	IC 0041	IC 0041	IC 0041	IC 0041	IC 0041	IC 416	IC 416	IC 416	IC 416	IC 416
PROTECTION	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55
FEEDBACK SYSTEM ENCODER	2500 PPR	2500 PPR	2500 PPR	2500 PPR	2500 PPR	2500 PPR	2500 PPR	2500 PPR	2500 PPR	2500 PPR	2500 PPR	2500 PPR	2500 PPR	2500 PPR
OVER TEMPERATURE PROTECTION	TH-SW	TH-SW	TH-SW	TH-SW	TH-SW	TH-SW	TH-SW	TH-SW	TH-SW	TH-SW	TH-SW	TH-SW	TH-SW	TH-SW
WEIGHT (Kg)	6.36	8.7	12	15	19	17.7	22	28.5	36.7	28	33	42	50	65