

**Product Specification: EcoDriver MO/ Series**
**V1.3**

	SIZE:1								△SIZE:1F				△SIZE:2F		◇SIZE:2F						◇SIZE:3F			◇SIZE:4F
Dimension: H x W x D (CM)	H 46 W 31 D 17								H 46 W 31 D 23						H 60 W 51 D 29						H 70 W 65 D 29			H 80 W 75 D 33
Model No.:	MO/ 2.2	MO/ 4	MO/ 5.5	MO/ 7.5	MO/ 11	MO/ 15	MO/ 18.5	MO/ 22	MO/ 30	MO/ 37	MO/ 45	MO/ 55	MO/ 75	MO/ 90	MO/ 110	MO/ 132	MO/ 150	MO/ 186	MO/ 225	MO/ 260	MO/ 315	MO/ 375	MO/ 450	MO/ 630
Weight (kg)	10	10	10	10	10	10	10	10	15	15	15	15	15	30	30	30	30	30	30	30	50	50	50	65
Rated Current (A)	4	9	11	15	23	30	38	42	53	65	85	97	145	170	205	255	290	340	410	475	580	670	800	1100
Rated Power (kW @ 220V)	1.1*	2.2*	3*	4*	5.5*	7.5*	9*	11*	15*	22*	25*	30*	45	55	63	75	85	110	132	150	186	215	260	315
Rated Power (kW @ 380/440V)	2.2	4	5.5	7.5	11	15	18.5	22	30	37	45	55	75	90	110	132	150	186	225	260	315	375	450	630
Rated Power (kW @ 690V)	N/A								N/A				110*	132*	150*	186*	225*	260*	315*	375*	450*	550*	675*	950*
Ventilation	Air Cooled (Natural)								Fan Cooled (Forced)															
Fan Voltage	N/A								110 or 220 V															
Ambient Temperature	-20 - +40°C ( Reduce kW rating by 2% per °C, maximum to 50°C )																							
Storage Temperature	-40 - +60°C																							
Relative Humidity	<95% (No condensation allowed)																							
Altitude	Maximum 1000M. Reduce kW rating by 1% per additional 100M																							
Starting Duty@ 12 Starts per Hours	2.5 x Unit rating in Amps for 60 sec ; 3 x Unit rating in Amps for 30 sec ; 4 x Unit rating in Amps for 10 sec ; 5.5 x Unit rating in Amps for 5 sec																							
Pedestal Voltage	30 – 70% of supply voltage																							
Starting Torque	9 – 49% of DOL starting torque																							
Ramp Up Time	0.5 – 120 Sec																							
Ramp Down Time	0.5 – 120 Sec																							
Current Limited	30% DOL starting current for 60 Sec ; 40% DOL starting current for 30 Sec ; 50% DOL starting current for 10 Sec ; 70% DOL starting current for 5 Sec																							
Fault Detection	Shut down for loss of phase and short circuit thyristor																							
LED Indications	Power On, Run, Ramp Up, Ramp Down, Fault and Optimising / Top of Ramp																							
Relays Contacts Rating	1.2 KVA 250 VAC Maximum																							
Protection	IP50 with lock																							

\*Supply Voltage must be specified when placing order    △ Optional semi-conductor fuses    ◇ Semi-conductor fuses fitted as standard