

DATA SHEET MTP008KW HV 50HZ

DIMENSIONS		MOTOR SPECIFICATIONS	
Pump only	Pump packaged		
<p>Weight: 89kg (196lbs)</p>	<p>Weight: 95kg (210lbs)</p>	Rated power	8kW (11HP)
		Full load output power	8.8kW (11.8HP)
		Full load input power	10.9kW (14.6HP)
		Rotational speed	2,811 rpm
		Power factor	0.819
		Motor efficiency	81.2 %
		Pump efficiency	72.8 %
		Overall efficiency	60.0 %
		Voltage	Full Load Current (A)
			Inrush Current (A)
			Resist Ω*
		380V (Δ)	24.9
		400V (Δ)	23.7
		415V (Δ)	22.8
		440V (Δ)	21.5
		500V (Δ)	18.9
		525V (Δ)	18.0
		550V (Δ)	17.2
		1000V (Y)	9.5
		*75°C @ 2KVDC/1min	

PUMP PERFORMANCE		PUMP SPECIFICATIONS	
		Motor type	Submersible squirrel-cage induction
		Pump type	Submersible centrifugal
		Ingress Protection Rating	IP68
		Insulation Class	Class H (IEC 85)
		Motor protection	Stator thermistors in series
		Earth protection	Earth diode in series
		Max allowable consecutive restarts per hour	15
		Discharge connection (AUS Std)	100mm (4") BSPP Internal
		Cable type (AUS Std)	Type 241.1 screened mining 6mm ² x3+Ex3+Px1
		Cable length (AUS Std)	15m (50ft)
		Zinc anodes	Fitted as standard ex works
		MATERIAL SPECIFICATIONS	
		Outer casing	Aluminium alloy
		Bearing housing	Aluminium alloy
		Diffusers	Co-polymer polyurethane wear protection
		Oil housing	Co-polymer polyurethane wear protection
		Suction covers	Co-polymer polyurethane wear protection
		Impellers	Stainless steel
		Mechanical seals	316 Stainless steel / Viton + Tungsten / Silicon carbides
		Rotor shaft	Duplex Stainless steel
		O-rings	NBR + Hi-temp HNBR + Viton
		Strainer	316 Stainless steel
		APPLICATION SPECIFICATIONS	
		Maximum submerged depth	20m (66ft)
		Max liquid temperature	40°C (104°F)
		Allowable pumped liquid pH	5-8
		Maximum liquid density	1,100 kgm ³ (68 lbsft ³)
		Maximum spherical solid Ø	6mm (¼") strainer hole