

DATA SHEET MTP020KW HV 50HZ

DIMENSIONS		MOTOR SPECIFICATIONS			
Pump only	Pump packaged				
<p>Weight: 185kg (408lbs)</p>	<p>Weight: 190kg (419lbs)</p>	Rated power	20kW (27HP)		
		Full load output power	20.9kW (28.0HP)		
		Full load input power	25.5kW (34.2HP)		
		Rotational speed	2,903 rpm		
		Power factor	0.903		
		Motor efficiency	82.1 %		
		Pump efficiency	75.6 %		
		Overall efficiency	61.7 %		
		Voltage	Full Load Current (A)	Inrush Current (A)	Resist Ω*
		380V (Δ)	52	315	0.455
		400V (Δ)	50	301	0.503
		415V (Δ)	48	289	0.562
		440V (Δ)	45	274	0.625
		500V (Δ)	40	235	0.816
		525V (Δ)	38	221	0.875
		550V (Δ)	36	219	0.966
		1000V (Y)	20	122	1.270
		*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)	150mm (6") 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	Stator housing	Aluminium alloy	
		Bearing housing	Oil housing	Aluminium alloy	
		Diffusers	Suction covers	Aluminium alloy	
		Oil housing	Diffusers	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		