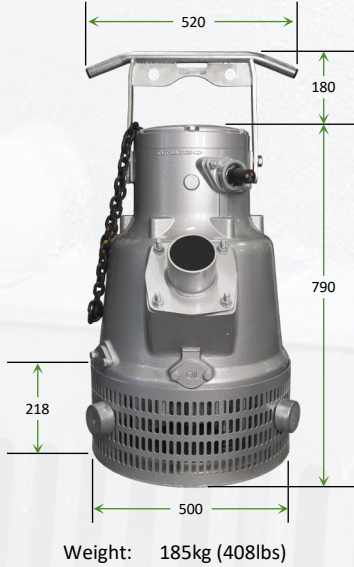


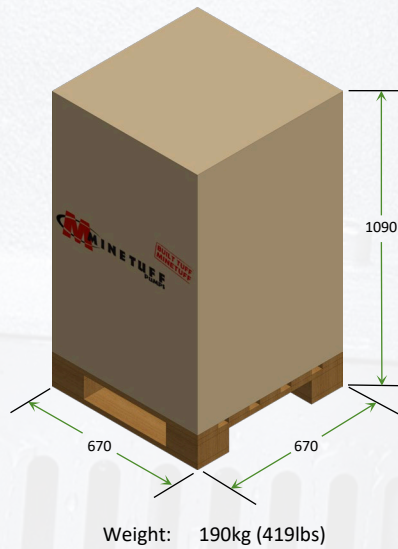
# DATA SHEET MTP020KW HH 50HZ

## DIMENSIONS

### Pump only



### Pump packaged

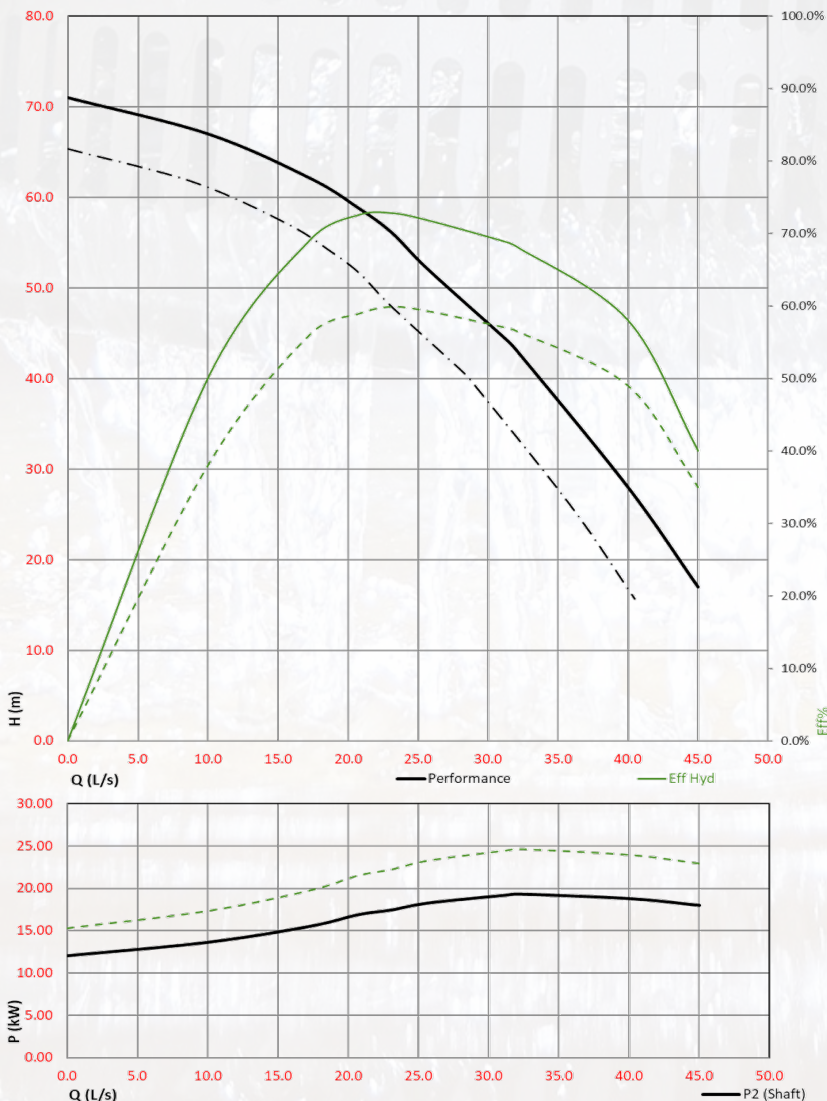


## MOTOR SPECIFICATIONS

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	72.8 %		
Overall efficiency	59.9 %		
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)	100mm (4") BSPP Internal
Cable type (AUS Std)	Type 241.1 screened mining 6mm <sup>2</sup> 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	
Diffusers	Suction covers	
Oil housing	Diffusers	Co-polymer polyurethane wear protection
Suction covers		
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 <sup>3</sup> (68 lbsft <sup>3</sup> )
Maximum spherical solid Ø	6mm (¼") strainer hole