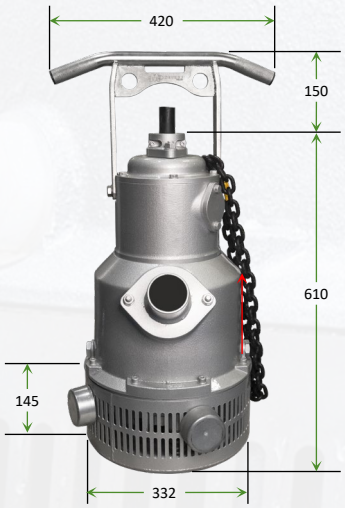
DATA SHEET MTP005KW HH 50HZ

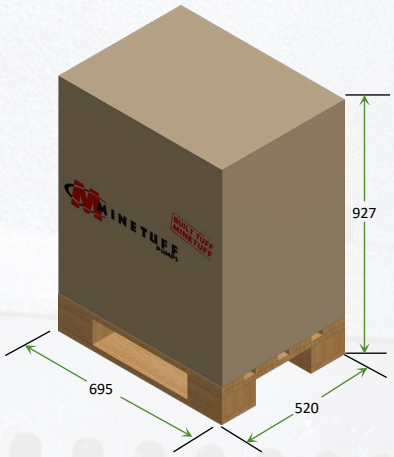
DIMENSIONS

Pump only



Weight: 62kg (137lbs)

Pump packaged



Weight: 68kg (150lbs)

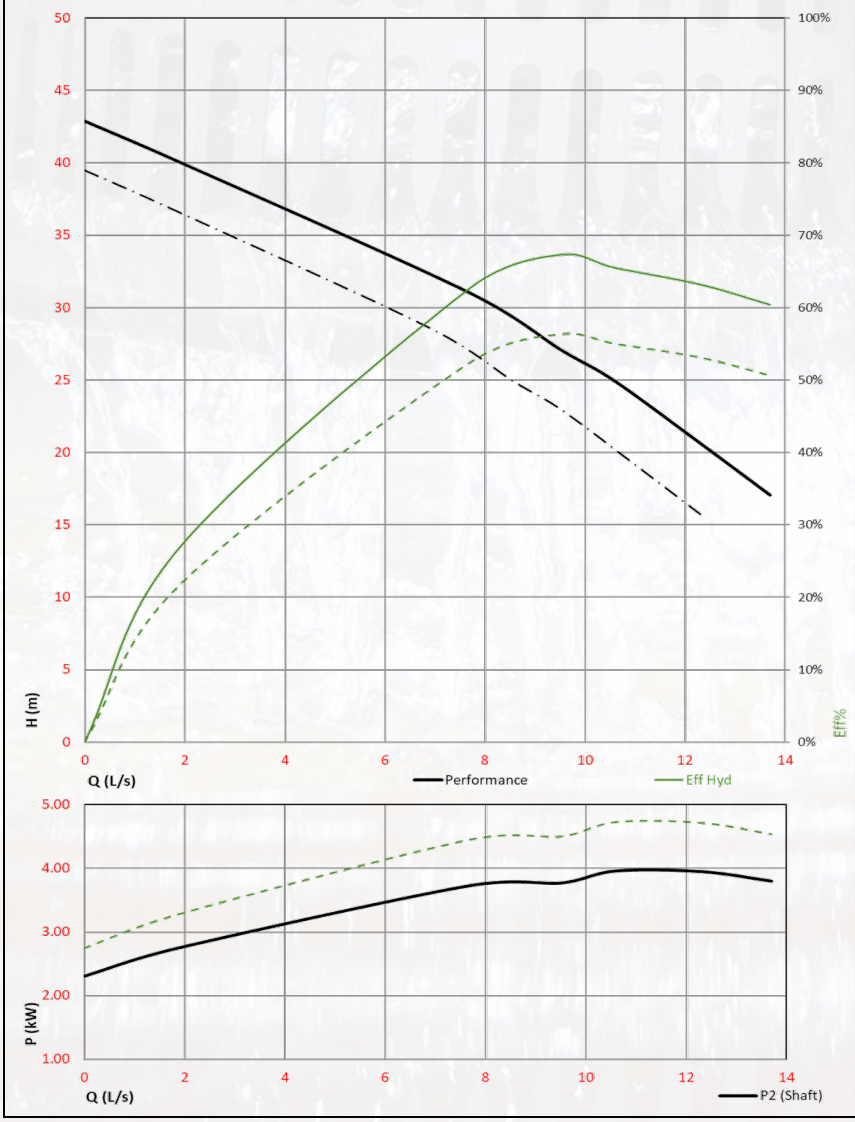
MOTOR SPECIFICATIONS

Rated power	5kW (7HP)
Full load output power	5.7kW (7.6HP)
Full load input power	6.8kW (9.12HP)
Rotational speed	2,839 rpm
Power factor	0.865
Motor efficiency	83.3 %
Pump efficiency	67.3 %
Overall efficiency	56.3 %

Voltage	Full Load Current (A)	Inrush Current (A)	Resist Ω*
380V (Δ)	14.3	85	3.52
400V (Δ)	13.6	83	3.90
415V (Δ)	13.1	77	4.25
440V (Δ)	12.4	77	4.79
500V (Δ)	10.9	67	6.11
525V (Δ)	10.4	61	6.71
550V (Δ)	9.9	58	8.27
1000V (Y)	5.4	34	8.26

*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)	75mm (3") BSPP Internal
Cable type (AUS Std)	Type 241.1 screened mining 6mm²x3+Ex3+Px1
Cable length (AUS Std)	15m (50ft)
Zinc anodes	Fitted as standard ex works

MATERIAL SPECIFICATIONS

Outer casing Bearing housing Diffusers	Stator housing Oil housing Suction covers	Aluminium alloy
Oil housing Suction covers	Diffusers	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 kgm³ (68 lbsft³)
Maximum spherical solid Ø	6mm (¼") strainer hole