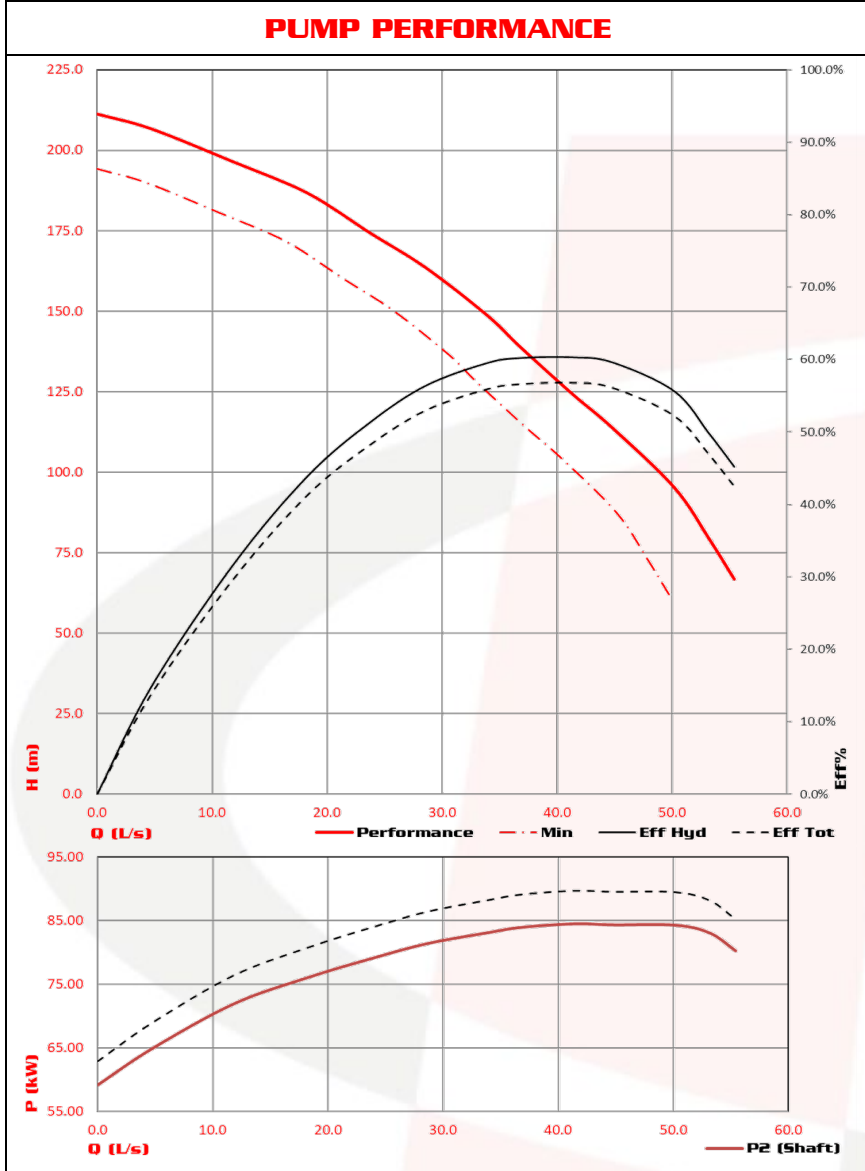


DATA SHEET - MTP090KW HH 50Hz

DIMENSIONS		MOTOR SPECIFICATIONS			
Pump only	Pump packaged				
<p>610 680 540 1,245 1,135</p> <p>Weight: 984kg (2,169lbs)</p>	<p>1,252 907 907</p> <p>Weight: 995kg (2,193lbs)</p>	Rated power	90kW (120HP)		
		Full load output power	89.8kW (120.4HP)		
		Full load input power	95.6kW (128.2HP)		
		Rotational speed	2,958 rpm		
		Power factor	0.923		
		Motor efficiency	93.9 %		
		Pump efficiency	60.2 %		
		Overall efficiency	56.6 %		
		Voltage	Full Load Current	Inrush Current	Resist Ω*
		380V (Δ)	155	1,170	0.0461
		400V (Δ)	149	1,255	0.0572
		415V (Δ)	142	1,075	0.0623
		440V (Δ)	136	1,140	0.0678
		500V (Δ)	118	825	0.0796
		525V (Δ)	113	885	0.0935
		550V (Δ)	109	915	0.1040
		1000V (Y)	60	475	0.1087
		*75°C @ 2KVDC/1min			



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 (standard)	100mm (4") EN1092-2 T11 flanged
Cable type (standard)	Type 241.1 screened mining 50mm ² x3+Ex3+Px1
Cable length (standard)	15m (50ft)
Zinc anodes	Fitted as standard ex works

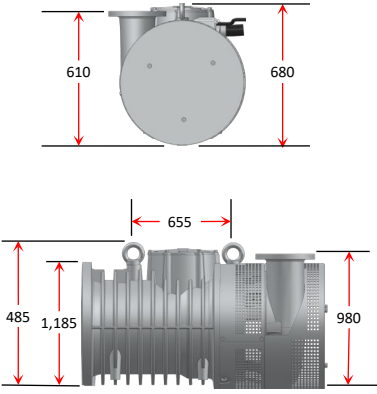
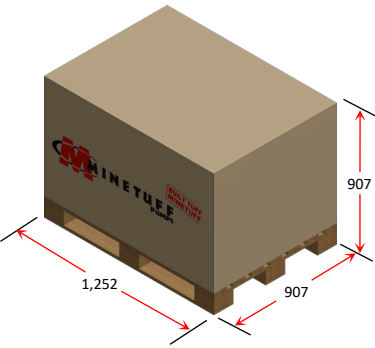
MATERIAL SPECIFICATIONS

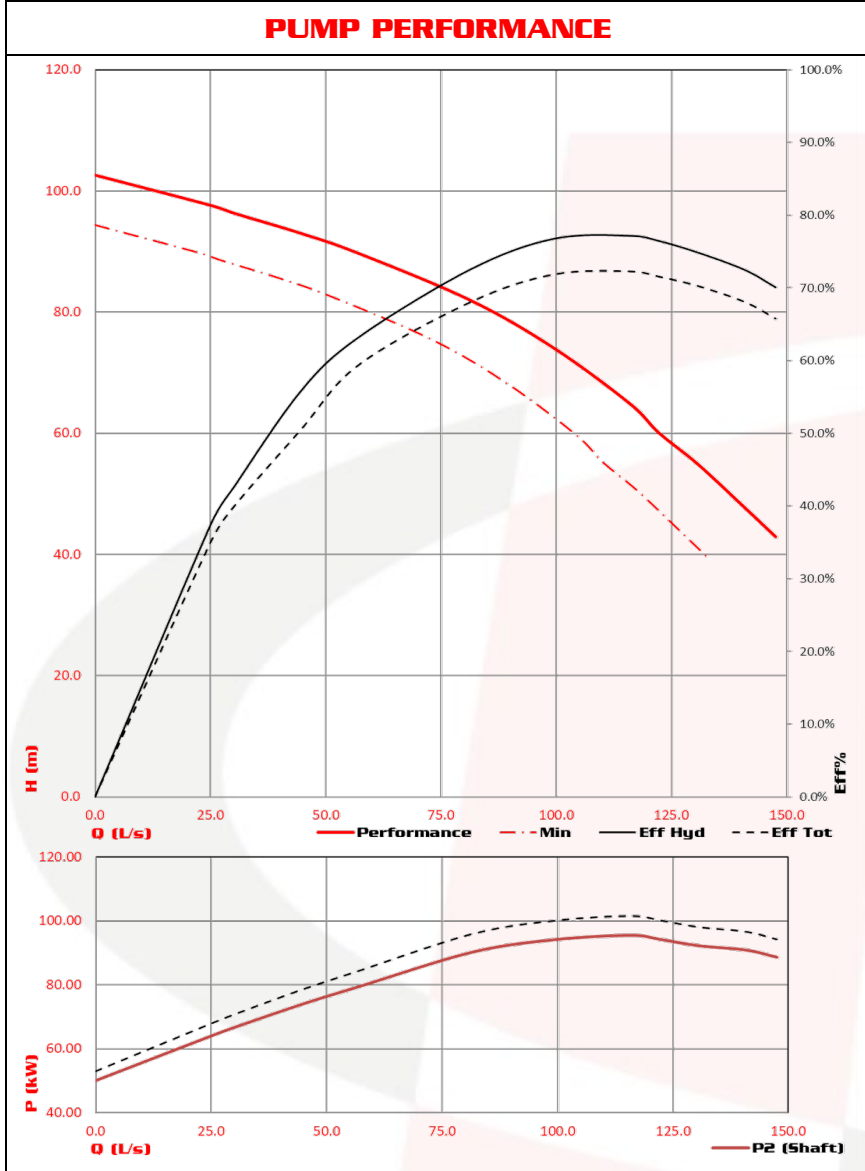
Outer casing	Stator housing	EN1561 GJL-250 grey cast iron
Bearing housing	Oil housing	
Diffusers	Suction covers	
Oil housing	Diffusers	PolyTUFF™ Co-polymer wear protection
Suction covers	Diffuser discs	
Impellers		SteelTUFF™ SAE Type 630 Stainless steel
SealTUFF™ mechanical seals		316 Stainless steel + Tungsten carbide + Viton
Rotor shaft		Grade 225 Duplex Stainless steel
O-rings		NBR + Hi-temp HNBR + Viton
Strainer		316 Stainless steel

APPLICATION SPECIFICATIONS

Maximum submerged depth	75m (246ft)
Max liquid temperature	40°C (104°F)
Allowable pumped liquid pH	6-11
Maximum liquid density	1,100 kgm ³ (68 lbsft ³)
Maximum spherical solid Ø	10mm (3/8") strainer hole

DATA SHEET - MTP090KW HV 50Hz

DIMENSIONS		MOTOR SPECIFICATIONS			
Pump only	Pump packaged				
		Rated power	90kW (120HP)		
Weight: 900kg (1,984lbs)	Weight: 915kg (2,017lbs)	Full load output power	89.8kW (120.4HP)		
		Full load input power	95.6kW (128.2HP)		
		Rotational speed	2,958 rpm		
		Power factor	0.923		
		Motor efficiency	93.9 %		
		Pump efficiency	77.2 %		
		Overall efficiency	72.3 %		
		Voltage	Full Load Current	Inrush Current	Resist Ω*
		380V (Δ)	155	1,170	0.0461
		400V (Δ)	149	1,255	0.0572
		415V (Δ)	142	1,075	0.0572
		440V (Δ)	136	1,140	0.0678
		500V (Δ)	118	825	0.0796
		525V (Δ)	113	885	0.0935
		550V (Δ)	109	915	0.1040
		1000V (Y)	60	475	0.1087
		*75°C @ 2KVDC/1min			



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 (standard)	150mm (6") EN1092-2 T9 flanged
Cable type (standard)	Type 241.1 screened mining 50mm ² x3+Ex3+Px1
Cable length (standard)	15m (50ft)
Zinc anodes	Fitted as standard ex works

MATERIAL SPECIFICATIONS		
Outer casing	Stator housing	EN1561 GJL-250 grey cast iron
Bearing housing	Oil housing	
Diffusers	Suction covers	
Oil housing	Diffusers	PolyTUFF™ Co-polymer wear protection
Suction covers	Diffuser discs	
Impellers		SteelTUFF™ SAE Type 630 Stainless steel
SealTUFF™ mechanical seals		316 Stainless steel + Tungsten carbide + Viton
Rotor shaft		Grade 225 Duplex Stainless steel
O-rings		NBR + Hi-temp HNBR + Viton
Strainer		316 Stainless steel

APPLICATION SPECIFICATIONS	
Maximum submerged depth	75m (246ft)
Max liquid temperature	40°C (104°F)
Allowable pumped liquid pH	6-11
Maximum liquid density	1,100 kgm ³ (68 lbsft ³)
Maximum spherical solid Ø	10mm (3/8") strainer hole