



SUBMERSIBLE PUMP MTP008KW HH



MINETUFF™
PIONEER PUMP

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 (AU STD)	75mm BSPP Internal
Cable Type	Type 241.1 Screened Mining 3G6+3XE+1XP
Cable Length (AU STD)	15m
Zinc Anodes	Fitted as Standard Ex Works

MOTOR SPECIFICATIONS

Rated Power	8kW
Full Load Output Power	8.8kW
Full Load Input Power	10.9kW
Rotational Speed	2,811RPM
Power Factor	0.819
Motor Efficiency	81.2%
Pump Efficiency	53.1%
Overall Efficiency	47.7%

APPLICATION SPECIFICATIONS

Maximum Submerged Depth	20m
Max Liquid Temperature	40°C
Allowable Pumped Liquid pH	5-8
Maximum Liquid Density	1,100kgm ³
Maximum Spherical Solid	6mm Strainer Hole

VOLTAGE	FULL LOAD CURRENT (A)	RESIST Ω*
380V	24.90	1.780
400V	23.45	1.960
415V	22.80	2.158
440V	21.51	2.420
500V	18.92	3.100
525V	17.95	3.440
550V	17.14	3.850
1000V	9.46	3.970

*75°C @ 2KVDC/1min

MATERIAL SPECIFICATIONS

Outer Casing / Stator Housing / Bearing Housing / Oil Housing / Diffusers / Suction Covers	Aluminium Alloy
Oil Housing / Diffusers / 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





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PUMP PERFORMANCE CURVE

