



SUBMERSIBLE PUMP MTP005KW HV



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

MOTOR SPECIFICATIONS

Rated Power	5kW
Full Load Output Power	5.7kW
Full Load Input Power	6.8kW
Rotational Speed	2,839RPM
Power Factor	0.865
Motor Efficiency	83.3%
Pump Efficiency	67.3%
Overall Efficiency	57.5%

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
380V	14.46	3.52
400V	13.63	3.90
415V	13.21	4.25
440V	12.38	4.79
500V	10.85	6.11
525V	10.29	6.71
550V	9.88	8.27
1000V	5.48	8.26

*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

