



SUBMERSIBLE PUMP MTP020KW 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)	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	20kW
Full Load Output Power	20.9kW
Full Load Input Power	25.5kW
Rotational Speed	2,903RPM
Power Factor	0.903
Motor Efficiency	82.1%
Pump Efficiency	75.6%
Overall Efficiency	68.0%

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	52.04	0.455
400V	49.14	0.503
415V	47.55	0.562
440V	44.79	0.625
500V	39.43	0.816
525V	37.55	0.875
550V	35.95	0.966
1000V	19.86	1.270

*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

