



## SUBMERSIBLE PUMP MTP090KW 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)	100mm EN1092-2-T11
Cable Type	Type 241.1 Screened Mining 3G50+3XE+P
Cable Length (AU STD)	15m
Zinc Anodes	Fitted as Standard Ex Works

### MOTOR SPECIFICATIONS

Rated Power	90kW
Full Load Output Power	89.8kW
Full Load Input Power	95.6kW
Rotational Speed	2,958RPM
Power Factor	0.923
Motor Efficiency	93.9%
Pump Efficiency	77.2%
Overall Efficiency	72.3%

### APPLICATION SPECIFICATIONS

Maximum Submerged Depth	75m
Max Liquid Temperature	40°C
Allowable Pumped Liquid pH	6-11
Maximum Liquid Density	1,100kgm <sup>3</sup>
Maximum Spherical Solid	10mm Strainer Hole

VOLTAGE	FULL LOAD CURRENT (A)	RESIST Ω*
380V	184.66	0.0461
400V	176.43	0.0572
415V	169.37	0.0623
440V	159.96	0.0678
500V	139.97	0.0796
525V	132.91	0.0935
550V	127.03	0.1040
1000V	70.87	0.1087

\*75°C @ 2KVDC/1min

### MATERIAL SPECIFICATIONS

Outer Casing / Stator Housing / Bearing Housing / Oil Housing / Diffusers / Suction Covers	EN1561 GJL-200 grey cast iron
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

