



SUBMERSIBLE PUMP MTP005KW 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) | 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 | 56.3% |

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

