



SUBMERSIBLE PUMP MTP037KW 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 3G16+3XE+P |
| Cable Length (AU STD) | 15m |
| Zinc Anodes | Fitted as Standard Ex Works |

MOTOR SPECIFICATIONS

| | |
|------------------------|----------|
| Rated Power | 37kW |
| Full Load Output Power | 39.3kW |
| Full Load Input Power | 44.1kW |
| Rotational Speed | 2,923RPM |
| Power Factor | 0.883 |
| Motor Efficiency | 89.2% |
| Pump Efficiency | 66.7% |
| Overall Efficiency | 59.6% |

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 | 97.71 | 0.246 |
| 400V | 92.63 | 0.269 |
| 415V | 89.44 | 0.291 |
| 440V | 84.08 | 0.332 |
| 500V | 73.93 | 0.431 |
| 525V | 70.60 | 0.483 |
| 550V | 67.26 | 0.530 |
| 1000V | 32.33 | 0.58 |

*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

