

SUBMERSIBLE SOLIDS HANDLING PUMPS

4HD(X), 6MD(X) SERIES

| | | | | |
|--|--|--------------|--------------|--------------|
| RPM | 1750 | | | |
| MOTOR TYPE | PREMIUM EFFICIENT, IEC 60034 -30 LEVEL IE3 * | | | |
| MOTOR DESIGN NEMA TYPE | A or B (3 ϕ) | | | |
| GENERAL INSULATION CLASS | H | | | |
| STATOR WINDING CLASS | H | | | |
| MAXIMUM STATOR TEMPERATURE RATING | 356°F (180°) | | | |
| MOTOR PROTECTION | 3 PHASE, BI-METALLIC, TEMPERATURE SENSITIVE DISC, SIZED TO OPEN AT 130°C AND AUTOMATICALLY RESET @ 82°C DIFFERENTIAL | | | |
| ELECTRICAL RATINGS | HEAT SENSOR | 24VDC 5 AMPS | 115VAC 5AMPS | 230VAC 5AMPS |
| | SEAL FAIL | 300VAC 5mA | | |
| VOLTAGE TOLERANCE | ±10% | | | |

*208V versions will not conform to IE3 standards.

| HP | VOLTAGE | PHASE | NEC CODE | SF | FULL LOAD AMPS | SF AMPS | LOCKED ROTOR AMPS | RUN KW | START KVA | RUN KVA | MTR. EFFICIENCY @100% FL | MTR. EFFICIENCY @75% FL | MTR. EFFICIENCY @50% FL | PWR. FACT. @SF | PWR. FACT. @100% FL | PWR. FACT. @75% FL | PWR. FACT. @50% FL | |
|----|---------|-------|----------|------|----------------|---------|-------------------|--------|-----------|---------|--------------------------|-------------------------|-------------------------|----------------|---------------------|--------------------|--------------------|------|
| 25 | 208 | 3 | H | 1.15 | 75.2 | 88.5 | 445.0 | 23.1 | 160.1 | 27.1 | 82.4 | 80.6 | 75.4 | 83.0 | 84.4 | 82.7 | 77.8 | 68.9 |
| | | | | | 68.0 | 80.0 | 402.0 | 23.1 | 160.0 | 27.1 | 82.4 | 80.6 | 75.4 | 83.0 | 84.4 | 82.7 | 77.8 | 68.9 |
| | | | | | 34.0 | 40.0 | 201.0 | 23.1 | 160.0 | 27.1 | 82.4 | 80.6 | 75.4 | 83.0 | 84.4 | 82.7 | 77.8 | 68.9 |
| | | | | | 575 | 32.0 | 157.0 | 23.1 | 156.2 | 27.1 | 82.4 | 80.6 | 75.4 | 83.0 | 84.4 | 82.7 | 77.8 | 68.9 |
| 30 | 230 | 3 | G | 1.15 | 80.2 | 96.2 | 434.0 | 27.4 | 172.7 | 31.9 | 85.2 | 83.5 | 80.3 | 85.4 | 85.4 | 85.6 | 84.9 | 69.1 |
| | | | | | 460 | 48.1 | 217.0 | 27.4 | 172.7 | 31.9 | 85.2 | 83.5 | 80.3 | 85.4 | 85.4 | 85.6 | 84.9 | 69.1 |
| | | | | | 575 | 32.1 | 38.5 | 178.0 | 27.4 | 177.1 | 31.9 | 85.2 | 83.5 | 80.3 | 85.4 | 85.4 | 85.6 | 84.9 |
| 40 | 460 | 3 | H | 1.0 | 54.7 | 63.7 | 345.0 | 36.8 | 274.6 | 43.5 | 87.8 | 86.2 | 82.3 | - | - | 84.1 | 81.6 | 74.9 |
| | | | | | 575 | 43.8 | 51.0 | 265.0 | 36.8 | 263.6 | 43.6 | 87.8 | 86.2 | 82.3 | - | - | 84.1 | 81.6 |

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