

MOTOR SPECIFICATIONS

| | |
|------------------------------|----------------------------------------|
| Motor Design | NEMA design B, squirrel cage induction |
| Motor Type | Enclosed submersible |
| Insulation Class | Class B |
| Motor Protection | Bi-metallic Thermal Switch |
| Bi-Metallic Temp Trip | 120° C ± 5° C |
| Service Factor | 1.15 |
| Voltage Tolerance | ± 10% from nominal |


MOTOR DATA, 60Hz

| Model | Phase | Output Power BHP | Volts | Full Load Amps | Locked Rotor Amps | NEMA Code Letter | Power Factor 100% Load | Motor Efficiency 100% Load | Pole/Speed (rpm) |
|---------|-------|------------------|-------|----------------|-------------------|------------------|------------------------|----------------------------|------------------|
| SEW-100 | 1 | 1 | 115 | 14 | 70 | K | 0.977 | 0.631 | 2/3450 |
| | 1 | 1 | 208 | 7.7 | 38.5 | K | 0.970 | 0.635 | 2/3450 |
| | 1 | 1 | 230 | 7 | 35 | K | 0.978 | 0.665 | 2/3450 |
| | 3 | 1 | 208 | 5.6 | 28 | M | 0.850 | 0.640 | 2/3450 |
| | 3 | 1 | 230 | 5 | 25 | L | 0.870 | 0.755 | 2/3450 |
| | 3 | 1 | 460 | 2.5 | 12.5 | L | 0.770 | 0.715 | 2/3450 |
| | 3 | 1 | 575 | 2 | 10 | L | 0.750 | 0.705 | 2/3450 |

MATERIALS OF CONSTRUCTION

| | |
|--------------------------|-----------------------------|
| Upper Motor Lid | Cast Iron ASTM A48 Class 30 |
| Motor Housing | AISI 304 Stainless Steel |
| Oil Chamber | Cast Iron ASTM A48 Class 30 |
| Volute | Cast Iron ASTM A48 Class 30 |
| External Hardware | AISI 304 Stainless Steel |
| O-Rings | NBR |
| Motor Shaft | AISI 410 Stainless Steel |
| Upper Bearing | Single row Sealed |
| Lower Bearing(s) | Single row Sealed |
| Upper Shaft Seal | Carbon/Ceramic |
| Lower Shaft Seal | SiC/SiC |
| Impeller | Cast Iron ASTM A48 Class 30 |

DIMENSIONS, WEIGHT, AND MISC.

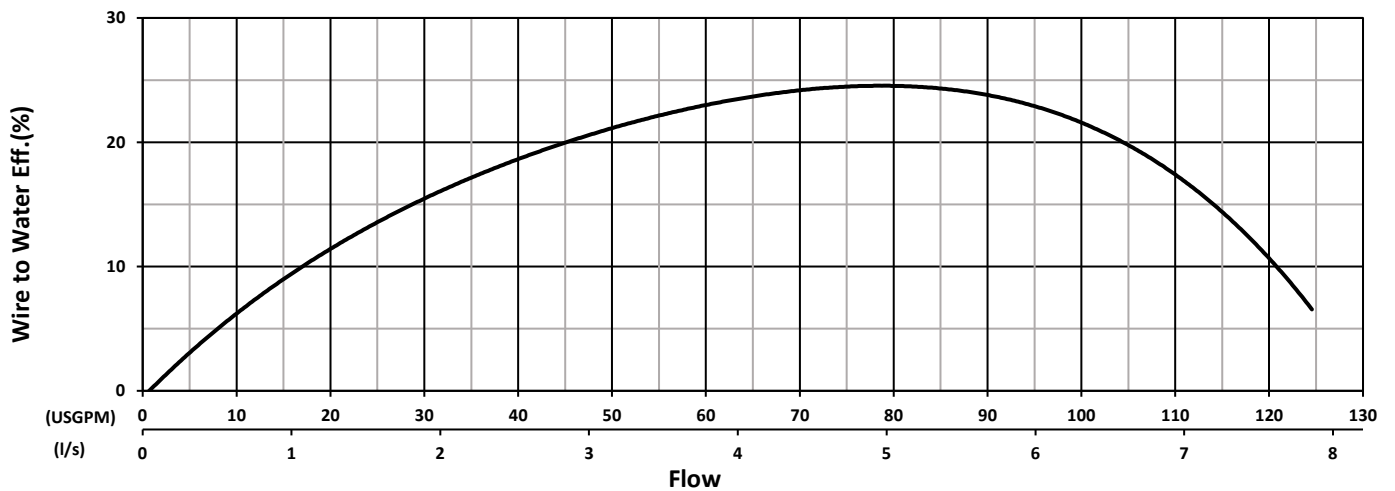
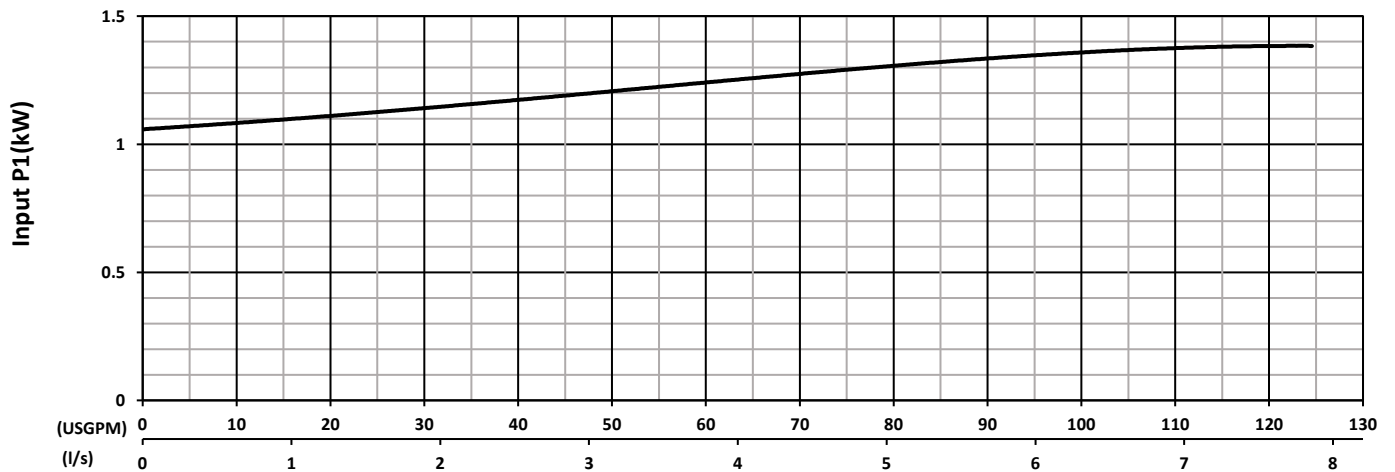
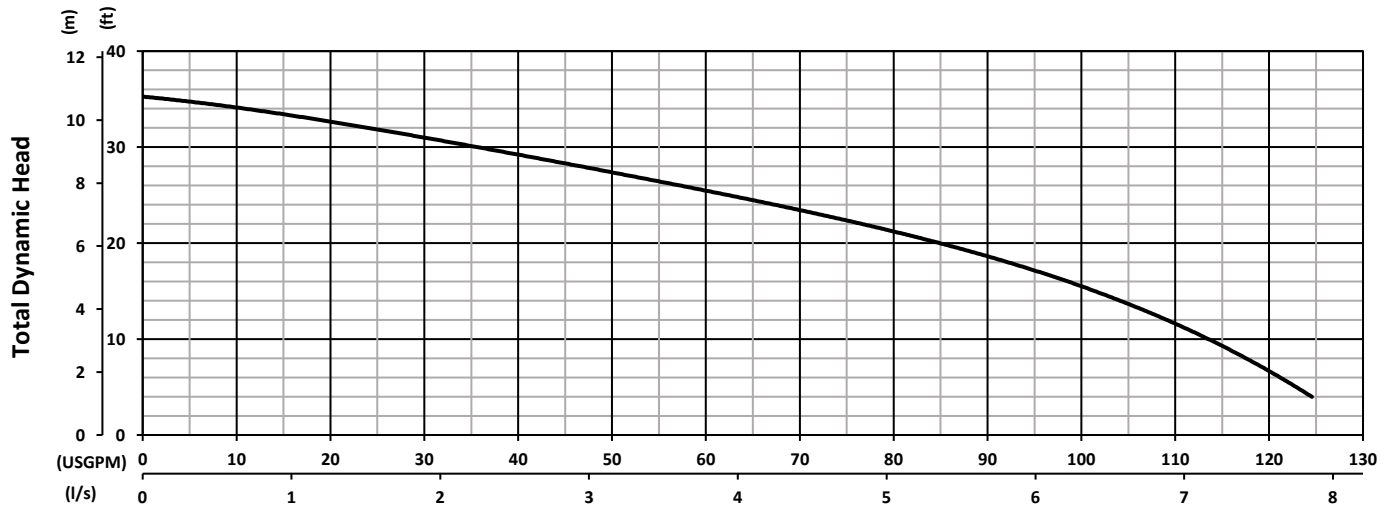
| | |
|--------------------------------------|------------------------|
| Pump weight single phase | 36lbs (16kg) |
| Pump weight three phase | 36lbs (16kg) |
| Maximum submergence | 33 feet (10m) |
| Discharge size, standard | 2" NPS female vertical |
| Maximum temp. of pumped fluid | 104°F (40°C) |
| Free Passage size | 2" (50mm) |

CABLE SPECIFICATIONS

| MODEL | PHASE/VOLTAGE | POWER CABLE | LENGTH | OUTER JACKET |
|---------|---------------|-------------|-----------|--------------|
| SEW-100 | 1Ø 115V | SJTOW 14/3 | 33' (10m) | PVC |
| | 1Ø 208V | SJTOW 16/3 | 33' (10m) | PVC |
| | 1Ø 230V | SJTOW 16/3 | 33' (10m) | PVC |
| | 3Ø 208V | STOW 16/4 | 33' (10m) | PVC |
| | 3Ø 230V | STOW 16/4 | 33' (10m) | PVC |
| | 3Ø 460V | STOW 16/4 | 33' (10m) | PVC |
| | 3Ø 575V | STOW 16/4 | 33' (10m) | PVC |

Power cable suitable for all standard voltages listed in "MOTOR DATA" section.
 Document valid only for pump with serial number 1327-001 and up.
 Refer to previous document revision for earlier serial number.

Specifications subject to change without notice



Test Standard : HI 11.6 Gr 3B
Tested with water at 20°C

Pump Performance Test - Dual Units

Frequency 60 Hz
Pump Speed 3450 RPM
Impeller Ø98mm

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