

MOTOR SPECIFICATIONS

| | |
|------------------------------|----------------------------|
| Motor Design | Induction |
| Motor Type | Enclosed submersible |
| Insulation Class | Class F |
| Motor Protection | Bi-metallic Thermal Switch |
| Bi-Metallic Temp Trip | 140° C |
| Service Factor | 1.0 |
| 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) |
|----------|-------|------------------|-------|----------------|-------------------|------------------|------------------------|----------------------------|------------------|
| 100LX615 | 3 | 20.0 | 230 | 55.6 | 278 | F | 0.853 | 0.82 | 4/1800 |
| | 3 | 20.0 | 460 | 27.3 | 136.5 | F | 0.868 | 0.7927 | 4/1800 |

MATERIALS OF CONSTRUCTION

| | |
|--------------------------|--------------------------|
| Upper Motor Lid | Cast Iron (FC-200) |
| Motor Housing | Cast Iron (FC-200) |
| Oil Chamber | Cast Iron (FC-200) |
| Volute | Cast Iron (FC-200) |
| External Hardware | AISI 304 Stainless Steel |
| O-Rings | NBR |
| Motor Shaft | Stainless Steel (403) |
| Upper Bearing | Single Row Sealed |
| Lower Bearing(s) | Double Row Sealed |
| Upper Shaft Seal | CA/CE |
| Lower Shaft Seal | SIC/SIC |
| Impeller | Cast Iron (FC-200) |

DIMENSIONS, WEIGHT, AND MISC.

| | |
|--------------------------------------|-------------------|
| Pump weight | 352lbs (160kg) |
| Maximum submergence | 26 feet (8m) |
| Discharge size, standard | 4" Class 125 F.F. |
| Maximum temp. of pumped fluid | 104°F (40°C) |

CABLE SPECIFICATIONS

| MODEL | PHASE/VOLTAGE | POWER CABLE | DATA CABLE | LENGTH | OUTER JACKET |
|----------|---------------|------------------------------|------------|---------------|--------------|
| 100LX615 | 3Ø-230V | SHHVCT 4G5.5 SHHVCT 3G5.5 | VCT 4G1.25 | 33 feet (10m) | SHHVC/VCT |
| | 3Ø-460V | SHHVCT 4G5.5 SHHVCT 3G5.5 | VCT 4G1.25 | 33 feet (10m) | SHHVC/VCT |

Power cable suitable for all standard voltages listed in "MOTOR DATA" section.

Stancor Model 100LX615 Individual Performance Curve

