

Submersible drainage center-line pump JC 34



Specification

Electric submersible pump.
 Maximum submergence: 65 ft. Protection class IP 68.
 Max temperature of pumped medium at max power input and continuous duty 104 °F.
 Max medium density 0.0397 lbs/inch³. pH of the pumped medium 5-8.
 Strainer hole: 5/16" x 1 5/16". Max number of starts 30/hour.

JC 34 ND Medium head, 3-phase
JC 34 HD High head, 3-phase

Electric motor

3-phase squirrel-cage induction motor, 60 Hz.
 Service factor 1.1. Class F insulation.
 Dual voltage stator 230/460 V (single voltage contactor coil).
 Motor rating P₂: 6.0 Hp. Speed: 3400 rpm.
 D.O.L. start with built-in contactor.

| Voltage, V | 230/460 | 575 |
|--------------------|----------|-----|
| Nominal current, A | 16.0/8.0 | 6.4 |

Power cable

Heavy duty power cable for submersible pump applications.
 65 ft AWG 12/4 SOOW (UL, CSA, MSHA), 230, 460 V
 65 ft AWG 14/4 SOOW (UL, CSA, MSHA), 575 V

Motor protection

Built-in thermal switches in the stator windings (284°F, ±5), connected to built-in contactor.

Shaft seal

Double mechanical seal in oil bath.
 Primary seal: Silicon carbide on silicon carbide.
 Secondary seal: Stainless steel on antimony treated carbon.

Bearings

Upper bearing: Single-row deep groove ball bearing.
 Lower bearing: Double angular contact ball bearing.

Discharge connections

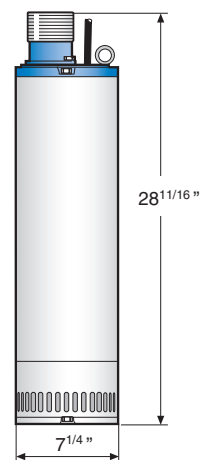
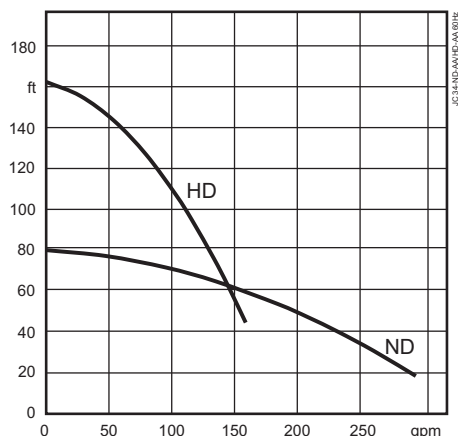
2", 3" hose connections.
 2" (standard HD), 3" (standard ND) NPT threaded connections.

Weight

68 lb (without cable)

Options and accessories

Zinc anodes. Starter and control units. Automatic level control unit.
 Repair kit. Discharge connection accessories and hose.



Materials

| Description | Material | ASTM |
|----------------------|-----------------------|---------------|
| Castings | Aluminium | ASTM AISI10mg |
| Casing | Aluminium | ASTM AA 5754 |
| Fasteners | Stainless steel | AISI 304 |
| Shaft | Stainless steel | AISI 420 |
| Impeller | Hardened chrome steel | AISI 420 |
| Wear parts / O-rings | Nitrile rubber | |