

# Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

## DIAPHRAGM PUMP

# 33 Series DC Diaphragm Pump

33 Series DC Diaphragm Pump General description: 12V/24V 3.0-13.2LPM 17-60PSI The 33-Series is our general-duty on-demand positive displacement pump. It provides reliable performance in...

ISO9001 Supplier

Class Certificate

Export Supply



### Key Highlights

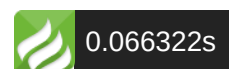
|               |  |
|---------------|--|
| Category      | Diaphragm Pump   |
| Standard      | EN   |
| Weight / Size | 35 PSI $\pm$ 5 PSI ( $\pm$ 0.3 bar)<br>Inlet/Outlet Ports 1/2"-14<br>MNPT Weight 4.2 lbs ... |
| Certificate   | ABS, LR, BV, DNVGL, NK, KR,<br>IRS, RMRS, CCS  |

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.



| Technical Specifications |   |                      |   |
|--------------------------|---|----------------------|---|
| <b>Category</b>          | Diaphragm Pump                                | <b>Model / SKU</b>   | 33-Series-DC-Diaphragm-Pump   |
| <b>Standard</b>          | EN  | <b>Weight / Size</b> | 35 PSI ±5 PSI (±0.3 bar)<br>Inlet/Outlet Ports 1/2"-14 MNPT<br>Weight 4.2 lbs (1.9 kg) MOTOR<br>Leads 16 AWG, 13" (33cm) long<br>with 2-Pin connector/Leads Duty<br>Cycle Intermittent Max.Amp Draw<br>8.0 A Fuse 12.0 A STANDARD<br>PUMP CONFIGURATIONS Model<br>Voltage Open Flow (GPM/LPM)<br>Control Type Max Draw Shut-off<br>Pressure (PSI/BAR) Valves<br>Diaphragm Ports Wire<br>Connections SFDP1-030-045-33<br>12V 3.0 / 11.6 Switch 8.0A 45 / 3.1<br>EPDM Santoprene 1/2"-14 MNPT<br>2-Pin/Leads SFDP2-030-045-33<br>24V 3.0 / 11.6 Switch 4.0A 45 / 3.1<br>EPDM Santoprene 1/2"-14 MNPT<br>2-Pin/Leads SFDP1-028-045-33<br>12V 2.8 / 10.6 Switch 6.0A 45 / 3.1<br>EPDM Santoprene 1/2"-14 MNPT<br>2-Pin/Leads SFDP2-028-045-33<br>24V 2.8 / 10.6 Switch 3.5A 45 / 3.1<br>EPDM Santoprene 1/2"-14 MNPT<br>2-Pin/Leads |
| <b>Certificate</b>       | ABS, LR, BV, DNVGL, NK, KR,<br>IRS, RMRS, CCS | <b>Warranty</b>      | 12 Months unless specified<br>otherwise   |
| <b>Origin</b>            | China   |                      |   |

|                 |   |   |
|-----------------|---|---|
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|-----------------|---|---|



## 33 Series DC Diaphragm Pump



### General description:

#### 12V/24V 3.0-13.2LPM 17-60PSI

The 33-Series is our general-duty on-demand positive displacement pump. It provides reliable performance in high water flow, moderate pressure applications. This 3-chamber diaphragm pump provides up to 3.0 gallons per minute and is capable of self-priming up to 6 vertical feet, and can run dry without damage. Serves 3 or more 1/2" (13 mm) outlets. This automatic demand water system pump has a built-in pressure switch, which automatically starts and stops when the faucet is opened and closed. They're easy to install, service and winterize.

### Parameter pump and motor:

| PUMP                        |  |
|-----------------------------|--|
| Type                        | 3 Chamber positive displacement diaphragm pump, self priming, capable of being run dry |
| Control Type                | Pressure switch  |
| Max Recommended Temperature | 60° C ( 140° F )   |
| Priming Capabilities        | 6 feet (1.8 m) suction lift  |
| Re-start Pressure           | Shut-off Pressure 45PSI : 35 PSI ±5 PSI (±0.3 bar)                                     |
| Inlet/Outlet Ports          | 1/2"-14 MNPT   |
| Weight                      | 4.2 lbs (1.9 kg)   |

| MOTOR        |  |
|--------------|--|
| Leads        | 16 AWG, 13" (33cm) long with 2-Pin connector/Leads |
| Duty Cycle   | Intermittent                                       |
| Max.Amp Draw | 8.0 A  |
| Fuse         | 12.0 A   |

## STANDARD PUMP CONFIGURATIONS

| Model            | Voltage | Open Flow<br>(GPM/LPM) | Control Type | Max Draw | Shut-off Pressure<br>(PSI/BAR) | Valves | Diaphragm  | Ports        | Wire Connections |
|------------------|---------|------------------------|--------------|----------|--------------------------------|--------|------------|--------------|------------------|
| SFDP1-030-045-33 | 12V     | 3.0 / 11.6             | Switch       | 8.0A     | 45 / 3.1                       | EPDM   | Santoprene | 1/2"-14 MNPT | 2-Pin/Leads      |
| SFDP2-030-045-33 | 24V     | 3.0 / 11.6             | Switch       | 4.0A     | 45 / 3.1                       | EPDM   | Santoprene | 1/2"-14 MNPT | 2-Pin/Leads      |
| SFDP1-028-045-33 | 12V     | 2.8 / 10.6             | Switch       | 6.0A     | 45 / 3.1                       | EPDM   | Santoprene | 1/2"-14 MNPT | 2-Pin/Leads      |
| SFDP2-028-045-33 | 24V     | 2.8 / 10.6             | Switch       | 3.5A     | 45 / 3.1                       | EPDM   | Santoprene | 1/2"-14 MNPT | 2-Pin/Leads      |