



1FE

FOR POTABLE WATER BOOSTER AND FILTERED EFFLUENT SERVICE
MULTI-STAGE, BOTTOM-INLET, HIGH HEAD SUBMERSIBLES



Bell & Gossett

a xylem brand

Wastewater

FEATURES

Casing: AISI 304 SS. Corrosion resistant, non-toxic, non-leaching.

Impeller: FDA compliant, glass filled Noryl®. Corrosion and abrasion resistant.

Mechanical Seal: Silicon carbide sealing faces; all metal components of AISI type 300 stainless steel running in protected oil chamber.

Elastomers: BUNA-N.

Motor Shell and Lifting Handle: Constructed of AISI type 304 series stainless steel.

Shaft: AISI type 304 stainless steel high strength keyed pump shaft with impeller locking cap screw.

Discharge: 1¼" NPT vertical discharge connection.

Suction Strainer: Detachable for easy clean out.

APPLICATIONS

These multi-stage, high head, bottom suction pumps are ideal for the following applications:

- Filtered onsite effluent systems
- Cistern booster systems
- Shallow dug wells
- Shore wells
- Aeration

SPECIFICATIONS

Pump:

- 1¼" NPT discharge and open suction
- Maximum suspended solids ½"
- Capacities: to 37 U.S. GPM
- Total heads: to 145 feet TDH
- Temperature:
 - 104°F (40°C) continuous
 - 140°F (60°C) intermittent.
- Maximum submergence: to 65 feet (20 m)
- Continuous duty rated, non-overloading motor

Motor:

- Single phase
- 115 or 230 V, 60 Hz
- PSC design for excellent efficiency
- Class F insulation
- Non-overloading
- Built-in, automatic reset, thermal overload protection
- 10' Power cord with bare leads

| Component | Material |
|--------------------------------|---------------------------------|
| Outer casing and upper support | Stainless steel (AISI 304) |
| Motor casing | Stainless steel (AISI 304) |
| Suction strainer | Stainless steel (AISI 304) |
| Motor shaft | Stainless steel (AISI 304) |
| Impeller | Noryl |
| Diffuser | Stainless steel (AISI 304) |
| Mechanical seal housing | Technopolymer |
| Elastomers | BUNA-N |
| Inner mechanical seal | Silicon carbide/silicon carbide |
| Outer lip seal | Nitrile rubber |



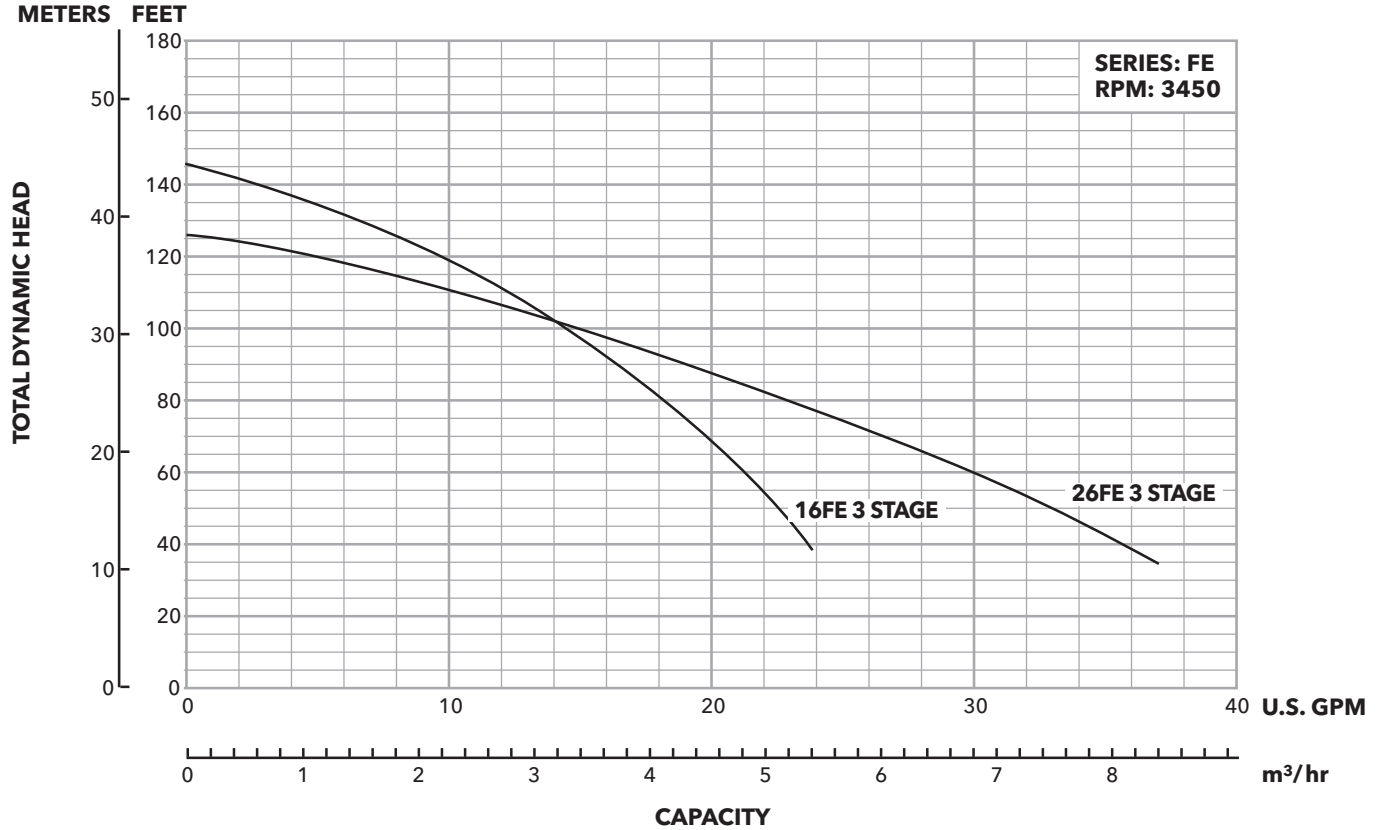
SUCTION INLET CONNECTOR

- Created for the Rain Water Harvest Market
- Hose Inlet

Sold Separately as an accessory.

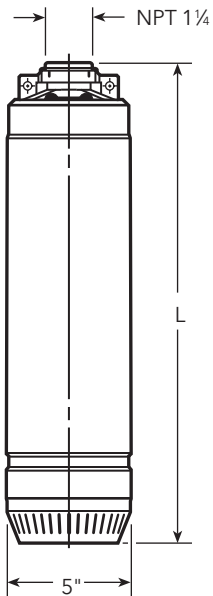
Part No. A9RW5

Wastewater



MODEL INFORMATION

| Model No. | HP | Volts | Stages | Maximum Amps. | Minimum Circuit Breaker | Phase | RPM | Power Cord | Discharge Connection | Weight (lbs.) | "L" Dimension (in.) |
|-----------|----|-------|--------|---------------|-------------------------|-------|------|-------------------------|----------------------|---------------|---------------------|
| 1FE160511 | ½ | 115 | 3 | 9.0 | 15 | 1 | 3450 | 10' 16 AWG w/bare leads | 1¼" NPT | 28 | 19.8" |
| 1FE260511 | | | | 4.5 | 10 | | | | | | |
| 1FE160512 | ½ | 230 | 3 | 9.0 | 15 | 1 | 3450 | 10' 16 AWG w/bare leads | 1¼" NPT | 28 | 19.8" |
| 1FE260512 | | | | 4.5 | 10 | | | | | | |



TYPICAL SPECIFICATIONS

The contractor shall furnish and install quantity _____, Model 1FE _____ submersible effluent pump(s) as illustrated on the plans and in accordance with the following specifications.

Single-phase models are available in ½ HP/115 or 230V. All single phase units are supplied with 10' power cords with bare leads. They feature built-in capacitors and automatic reset, on-winding overload protection.

The air-filled, PSC Type, Class F insulated motors can be operated continuously without damage. Upper and lower sleeve bearings are Urethane. Water intrusion shall be prevented by an outer silicon carbide/silicon carbide/BUNA/SS mechanical seal and an upper Nitrile rubber lip seal. Maximum pump submergence is 65'.

Pumps shall be designed to pass 1/8" suspended solids and are designed for both filtered effluent systems or as booster pumps to pump out of shallow wells or reservoirs for homes and farms.

Materials of Construction: pump(s) shall be constructed of 304 stainless steel with Noryl Impellers.



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