

PFE-Series Effluent Pumps

Applications

Orenco's PFE-Series Low-Head Effluent Pumps are ideal for producing high-head performance in conjunction with an Orenco low-head pump vault while maintaining high flow and clog resistance. Manufactured by Franklin Electric, PFE-Series pumps are CSA listed.



PFE3311-15



PFE5011-50

General

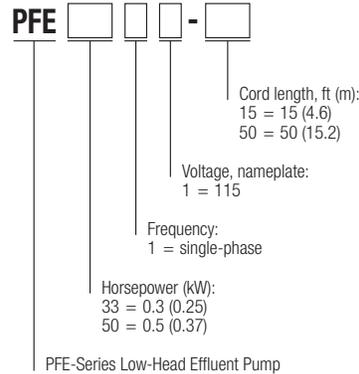
To specify this pump for your installation, require the following:

- Designed for continuous duty
- Handles solids of up to:
 - 3/8in (9.5mm) diameter for PFE3311-15
 - 3/4in (19mm) diameter for PFE5011-50
- Heavy-duty, epoxy-coated cast iron housing for high strength, corrosion resistance, and heat dissipation
- Cast-iron, non-clog impeller and cloverleaf intake
- High-efficiency, 1/3hp or 1/2hp (0.25kW or 0.37kW) motor
- Thermal overload protection
- Upper and lower ball bearings for long pump life
- Three-year warranty

Standard Models

PFE3311-15, PFE5011-50

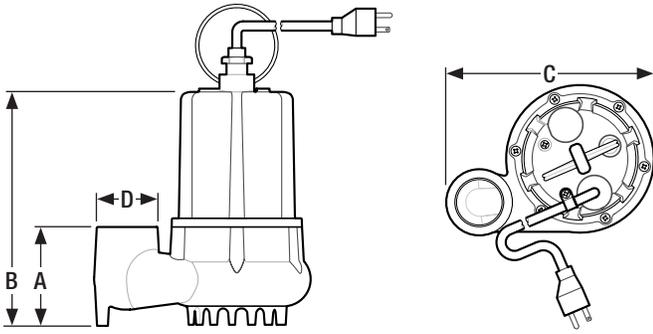
Product Code Diagram



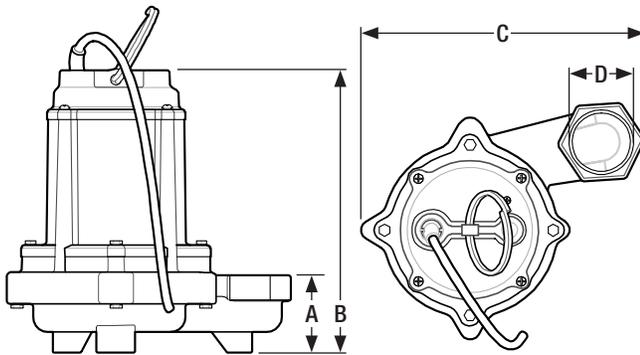
Not all product code configurations may be available as standard products.

Materials of Construction

Cord	SJTW
Cover	Epoxy-coated cast iron
Impeller	Epoxy-coated cast iron (PFE3311-15) Cast iron (PFE5011-50)
Fasteners	Stainless steel
Motor housing	Epoxy-coated cast iron
Shaft	Stainless steel
Shaft seal	Carbon, ceramic, nitrile
Volute	Epoxy-coated cast iron



PFE3311-15



PFE5011-50

Specifications

Dimensions	PFE3311-15	PFE5011-50
A in (mm)	3.5 (89)	3.0 (76)
B in (mm)	9.5 (241)	10.5 (267)
C in (mm)	7.5 (191)	11.0 (279)
D Discharge, in (mm)	1 1/2 (38)	2 (51)
Cord length, ft (m)	15 (4.6)	50 (15.2)
Weight, lb (kg)	19 (8.6)	36.4 (16.5)

Performance

Horsepower (kW)	1/3 (0.25)	1/2 (0.37)
Nameplate voltage	115	115
Phase	1	1
Hz	60	60
Maximum amperage	4.3	10
Minimum liquid level, in (mm)	9 (229)	10 (254)
Starts per day, minimum/maximum	1/100	1/100
Impeller type	Non-clog	Non-clog
Max liquid temperature rating, °F (°C)	95 (35)	140 (60)

Using a Pump Curve

A pump curve helps you determine the best pump for your system. Pump curves show the relationship between flow (gpm or L/sec) and pressure (total dynamic head or TDH), providing a graphical representation of a pump's optimal performance range. Pumps perform best at their nominal flow rate – the value, measured in gpm, expressed by the first two numerals in an Orenco pump nomenclature. These graphs use solid lines to show the optimal pump operation range. Dashed lines indicate flow rates outside of the optimal range for each pump. For the most accurate pump specifications, use Orenco's PumpSelect™ software.

