



Franklin Electric

DIESEL PACKAGES

PERFORMANCE & SOLUTIONS



pioneerpump.com

 **PIONEER PUMP**

YOUR PARTNER FOR **WATER SYSTEMS**



ABOUT FRANKLIN ELECTRIC

Franklin Electric is a global provider of complete systems for the movement of water.



ABOUT PIONEER PUMP

Pioneer Pump, a brand of Franklin Electric, specializes in the engineering and manufacturing of large centrifugal pumps and packages.



HIGH PERFORMANCE PUMPS

Transport water and wastewater for any sized job with our proven portfolio of centrifugal pumps.

DIESEL-DRIVEN PUMP PACKAGES

Our comprehensive range of diesel-driven pump packages include options for fixed and portable installations. These packages are built for the toughest environments and are available with vacuum-assisted priming, self-priming and standard centrifugal pump ends. Available in sizes up to 18", Pioneer centrifugal pumps are designed to provide better flow, higher head and greater efficiency to meet your unique challenges.

From material selection to final concept, these units are designed with your needs in mind. Each package configuration offers easy access to what matters and the convenience you need to maximize pumping profitability.





FE SELECT

SIZE. CONFIGURE. QUOTE.

STREAMLINED EXPERIENCE FROM SELECTION TO STARTUP

With 24/7 online and mobile-friendly availability, FE Select instantly helps you formalize your deliverables with printable and downloadable quotes: no waiting for a callback.

FE Select is the industry-leading online tool from Franklin Electric that makes configuring a diesel-driven pump package easy for contractors, engineers, fleet managers and wholesale distributors. It's secure and free-to-use: input your performance requirements and FE Select will help you find the best Pioneer diesel package to fit your needs.

GETTING WHAT YOU NEED HAS NEVER BEEN EASIER

- Configure and quote a full diesel package to meet your application requirements, anytime and from any web-enabled device.
- Download full technical specifications and generate pricing in minutes.
- Generate dimensional drawings and bid spec documents quickly and hassle free
- Package curves and performance specifications available at your fingertips



ENGINEERED WITH YOUR NEEDS IN MIND



1 HIGH-PERFORMANCE PUMPS

- Standard sizes available from 4"-12" (100 to 300 mm) sizes
- Engineered packages available up to 18" (457 mm)
- Vacuum-assisted pump configurations

3 TRAILER PLATFORM

- Department of Transportation (DOT) compliant
- Vibration isolation mounts

2 FINAL TIER IV DIESEL ENGINES

Our team of experts designed Pioneer pump packages with select diesel engine models that deliver maximum performance when paired with the right Pioneer pump end

OPTIONS & ACCESSORIES

- Pressure Gauges
- Float Switch
- Solar Charger
- 10-Watt Solar charger
- Hose Racks*
- Corner Jacks

**Available on select platform configurations*

SOUND ATTENUATED DIESEL PACKAGES

Sound-attenuated enclosures are available for select Pioneer Pump® diesel package models. Our enclosures are manufactured from heavy-duty sound deadening material to meet industry standards for noise reduction and select models feature a dedicated diesel exhaust fluid (DEF) tank access point. All enclosures offer lockable door panels that can be removed in minutes without tools for easy and direct access to the pump. Operators and end users can also quickly plumb in wires for transducers or floats through a dedicated door sealed with rubber grommets.

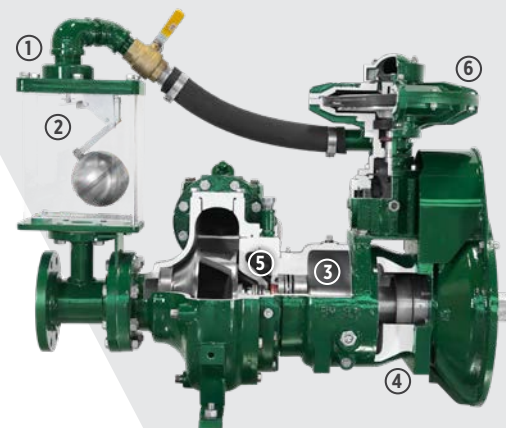


THE PIONEER PRIME ADVANTAGE

A true dry-prime pump, our self-priming system eliminates the need for water to prime the pump and is engineered to prevent product carryover. The Pioneer Prime hydraulic design maximizes lift capability and offers both quick initial priming and continuous, unattended reprime under auto stop/start conditions.

Features:

- 1. Stainless Steel Air Separation Valve**
Allows for rapid priming with no product carryover
- 2. Priming Chamber**
Stainless steel internal parts for longer life
- 3. Reliable Sealing Components**
Hybrid cassette seals simultaneously prevent leakage and eliminate shaft wear
- 4. Heavy-Duty Modular Bearing Housing**
Designed to run at high speeds without risk of shaft or bearing failure
- 5. Run-Dry System**
Oil-lubricated mechanical seal allows the pump to run completely dry without damage
- 6. Vacuum Pump**
Belt driven from pump shaft



PACKAGE CURVES: SIMPLIFY SELECTION & ACCELERATE PERFORMANCE

Package curves use color-coded zones to illustrate boundaries of operation for the pump and engine:

Continuous Operation
No Restrictions

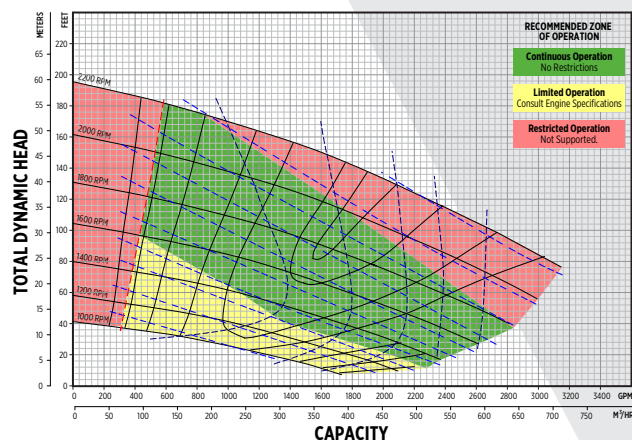
The green zone is the continuous operation zone. This area is the ideal operating range for an engine and indicates that there should be no issues with running the pump in that zone.

Limited Operation
Consult Engine Specifications

The yellow zone indicates more limited operation. The pump can run in this zone but only for a limited time. This zone is fine for occasional use.

Restricted Operation
Not Supported

The red zone indicates restricted operation. If the engine operates in this zone for any extended period of time, the engine will experience loading outside the allowable range.



Every Pioneer Pump diesel-driven package comes with a dedicated package curve to help owners and end users operate their pump packages within the ideal zone – ensuring longer life, reduced maintenance costs, and lower cost of ownership. Package curves eliminate the need for extensive technical knowledge. They specifically show what size engine will run most efficiently with a pump, while still delivering optimum performance. These curves are meant to provide the right information in the simplest way possible and do not require a Final Tier IV expert to understand them.

Franklin Electric is a global leader in the manufacturing and distribution of products and systems focused on the movement and management of water. We offer pumps, motors, drives, and controls for use in a wide variety of agricultural, commercial, industrial, municipal, and residential applications.

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