



GT SERIES Wet Prime Centrifugal Pump GT3087

The Pioneer Pump® GT Series is a robust pumping solution for nearly any food processing, wastewater treatment, waste handling, chemical processing, or industrial application with high performance demands. Now available in 3x3 and 4x4 sizes in addition to the 6x6 sizes, this product family features a robust shaft design that permits maximum flow rates up to 2250 gpm at a maximum head of 250 feet with a solids handling capability of up to three inches. The case inlet diameter is uniquely designed to alleviate abrasive wear on the pump and a unique cover design combines both the fill and flapper valve access cover into one part to improve ease of use – making these pumps ideal for the toughest tasks, all within a standard footprint.



PERFORMANCE

Size 3" x 3" (80 x 80 mm) Max Flow 660 gpm $(150 \text{ m}^3/\text{h})$ Max Head 160 feet (49 meters) Max Speed 2,600 rpm Max Efficiency $470 \text{ gpm} (106 \text{ m}^3/\text{h})$ Flow at BEP Max Solids Handling 2.5" (63 mm) **Bearing Lubrication** Standard Oil Fasteners English

APPLICATIONS

Industrial Oil Field
Municipal Agriculture
Construction Food Processing
Wastewater Mining

Petrochemical

DRIVE OPTIONS

Bareshaft Pump End Electric Driven Trailer

Overhead Belt Drive Diesel Driven Trailer

Electric Direct Drive SAE engine-mount bracket options available

FEATURES

- Rugged ductile-iron casing and impellers for added strength and dependability
- Highly reliable and corrosion-resistant 17-4 stainless steel shaft
- Double-lip seal with atmospheric drain for additional bearing protection within the rotating assembly
- Cartridge-type SC/TC (silicon carbide/tungsten carbide) mechanical seal for simple installation and ease of maintenance

MATERIALS OF CONSTRUCTION

Standard Materials

ImpellerASTM A536 Ductile Iron 65-45-12VoluteASTM A536 Ductile Iron 65-45-12Inspection CoverASTM A48 Class 30 Gray Iron

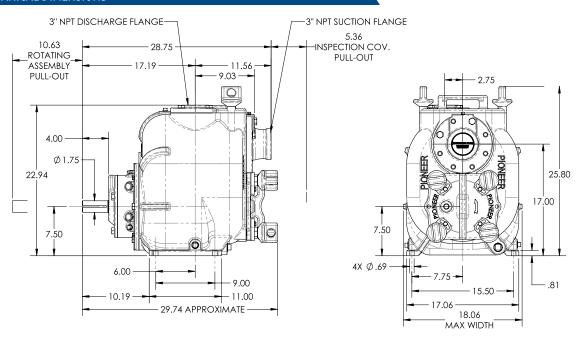
Wear Plate 1018 Steel

Seal Plate ASTM A48 Class 30 Gray Iron
Bearing Housing ASTM A48 Class 30 Gray Iron





MECHANICAL DIMENSIONS



PERFORMANCE CURVE

Model: GT3087 Impeller Dia: 8.75" Speed: Variable Solids Size: 2.5" Curve #GT3087-VS

