PIONEER PUMP
PERFORMANCE THROUGH INNOVATION™

Pioneer Prime
PP63C17L71

Typical Pump Configuration

Performance

Pioneer Prime series – vacuum assisted, end suction centrifugal pump

Bare shaft, frame mounted, fully automatic dry priming, vacuum assisted, run dry, heavy duty pump

Size	6" x 3"
	150 x 76 mm
Flow, Max	960 USgpm
	220 m³/h
	60 l/s
Head, Max	620 feet
	190 meters
Flow at BEP	925 USgpm
	210 m³/h
	60 l/s
Efficiency at BEP	72%
Solids Handling, Max	0.76"
	19 mm
Operating Speed, Max	2400 rpm
Suction Connection	6" (150 mm)
	150 ANSI Flanges
Delivery Connection	3" (76 mm)
	150 ANSI Flanges
Bearing Lubrication	Oil STD
	Grease optional
Fasteners	Imperial

Applications

Oil & Gas	Construction
Industrial	Mining
Petrochemical	Rental
Agriculture	Irrigation

High pressure, high flow, heavy duty pump
Designed to operate over a broad range of performance while delivering outstanding suction lift, the PP63C17 is the clear choice. The rugged construction and modular design provide proven reliability and flexibility in the most demanding applications.

UltraPrime™ Priming System

Priming System	Mechanically Driven Diaphragm Style Vacuum Pump
Air Removal Capability	50 CFM
Priming Chamber	Single chamber with positive sealing air separation PosiValve™ with stainless steel float ball & linkage.
Discharge Check Valve	Swing Style - ductile iron with Buna-n Disc

Other Specifications

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Mechanical Seal	Single seal w/ tungsten carbide vs. silicon carbide seal faces, Viton® elastomers, 300 series stainless steel hardware and spring, designed for indefinite dry running
Pump End Bearing	Single Row Ball
Drive End Bearing	Double Row Angular Contact
Shaft	17-4 PH Stainless Steel

Construction Materials

	Standard Construction	CD4MCu Stainless Steel
Impeller	CA6NM SS	CD4MCu
Volute	Ductile Iron ASTM A536 65-45-12	CD4MCu
Wear Ring	ASTM A48 Class 40 Gray Iron	316 SS
Suction Cover	Ductile Iron ASTM A536 65-45-12	CD4MCu
Brac-plate	Ductile Iron ASTM A536 65-45-12	CD4MCu

PosiValve™ Patent #6,783,730

Mechanical Dimensions
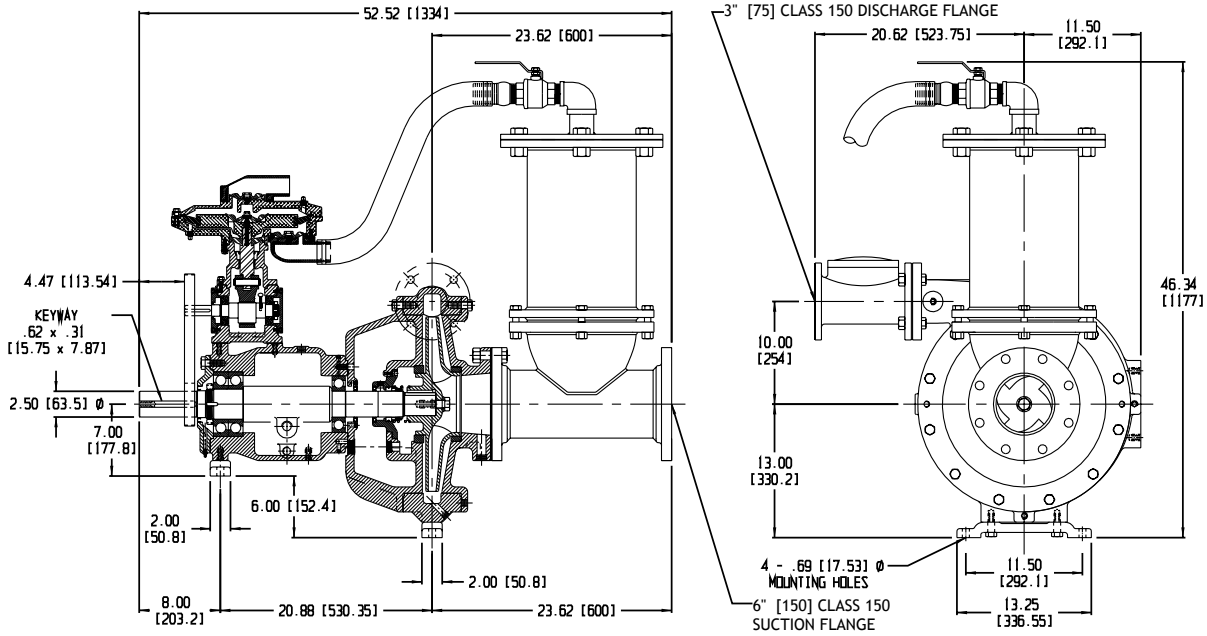
Performance Curve

Model: PP63C17	Impeller Dia: 17"	Speed: Variable	Solids Size: 0.76"	Curve #A2032HQ