PIONEER PUMP

Standard Centrifugal

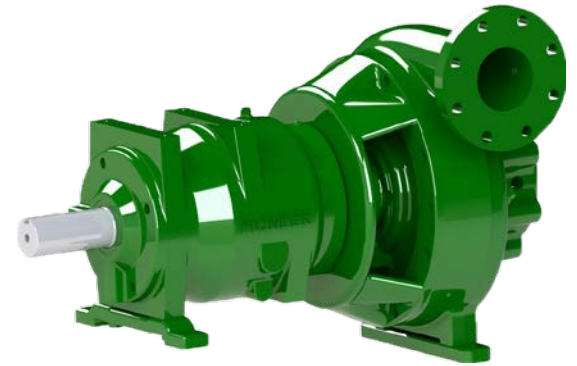# SC32C10

PERFORMANCE

End Suction Standard Centrifugal Pump
Bare shaft, frame mounted, heavy duty pump

Size	3" x 2"
	76 x 50 mm
Flow, Max	220 USgpm
	45 m^3/hr
	10 l/s
Head, Max	485 feet
	120 meters
Flow at BEP	180 USgpm
	40 m^3/hr
	10 l/s
Efficiency at BEP	54%
PEI$_{CL}$ Number	Close Coupled, 0.94
	Frame Mounted, 0.96
Solids Handling, Max	0.5"
	13 mm
Operating Speed, Max	3570 rpm
Suction Connection	3" (76 mm)
	150 ANSI Flanges
Delivery Connection	2" (50 mm)
	150 ANSI Flanges
Bearing Lubrication	Oil STD
	Grease optional
Fasteners	Imperial

APPLICATIONS

Oil & Gas	Petrochemical
Construction	Rental
Industrial	Agriculture
Mining	Irrigation

PosiValve™ Patent #6,783,730

Franklin Electric

High Flow, Heavy Duty Pump
The SC32C10 is a high flow, ruggedized pump designed to run over a broad range of performance and deliver outstanding suction lift. The rugged construction and modular design provide proven reliability and flexibility in the most demanding applications.

OPTIONAL PRIMING SYSTEM

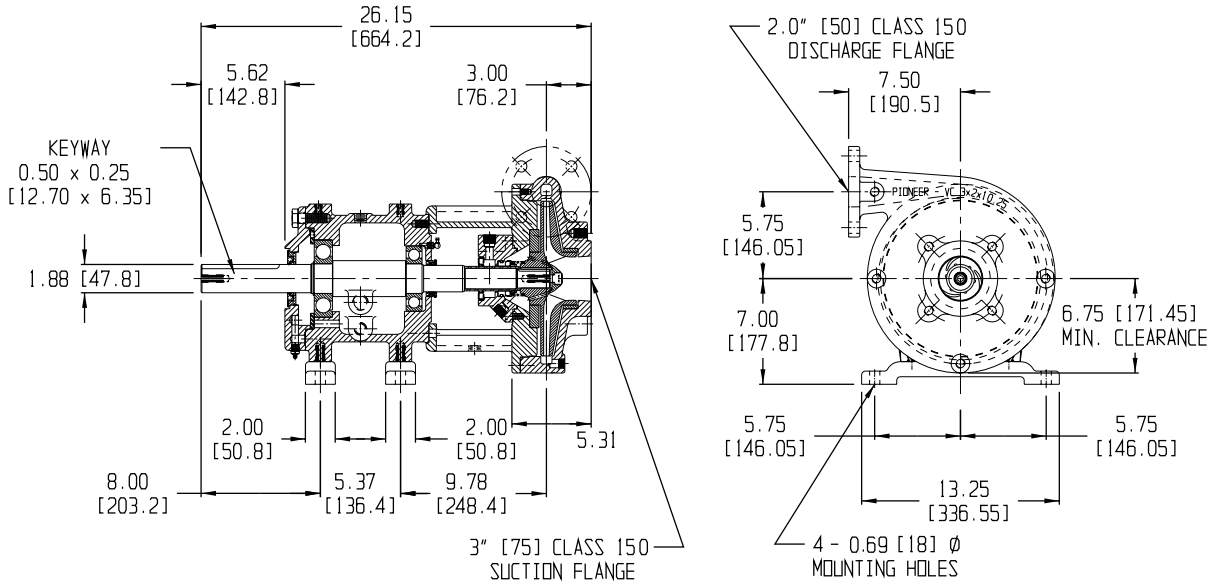|	
Priming System	Mechanically driven diaphragm-style vacuum pump
Air Removal Capability	50 CFM
Priming Chamber	Single chamber with positive sealing air separation PosiValve™ with stainless steel float ball & linkage
Discharge Check Valve	Swing style; ductile iron with nitrile disc

SPECIFICATIONS

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

MATERIALS OF CONSTRUCTION

Material	Standard Construction	CD4MCu Duplex Stainless
Impeller	Stainless Steel ASTM A744 CA6NM	ASTM A744 CD4MCu
Volute	Ductile Iron ASTM A536 65-45-12	ASTM A744 CD4MCu
Wear Ring	ASTM A48 Class 40 Gray Iron	ASTM A743 316 Stainless
Suction Cover	Ductile Iron ASTM A536 65-45-12	ASTM A744 CD4MCu
Brac-plate	Ductile Iron ASTM A536 65-45-12	ASTM A744 CD4MCu

MECHANICAL DIMENSIONS

PERFORMANCE CURVE

Model: SC32C10   Impeller Dia: 10"   Speed: 3570 rpm   Solids Size: 0.5"   Curve #A1639HQ PEI_{CL}: 0.96

M8071 04-20