



PROCLINE 1605

PRODUCT BROCHURE



TranspumpServ

GLOBAL PVT LTD



Centrifugal Pumps



TranspumpServ
GLOBAL PVT LTD



TRANSPUMPSERV CENTRIFUGAL PUMPS

Transpumpserv – stands at the forefront of centrifugal pump and baseplate system solutions. With a strong foundation in engineering excellence, efficient production practices, advanced testing capabilities, and responsive customer service, we ensure reliable performance for even the most challenging industrial applications – all while optimizing cost and project timelines.

ARE ALL ANSI PUMPS THE SAME?

In 1974, the American National Standards Institute (ANSI) established strict manufacturing standards for centrifugal pumps—especially to meet the rigorous demands of the chemical processing industry. Key design features such as self-ventilation, foot mounting, centerline discharge, and back pullout became essential benchmarks for safety, reliability, and performance.

While ANSI compliance sets a baseline across the industry, not all pumps—or manufacturers—are created equal. Many brands simply meet the minimum requirements, but a pump's true value goes beyond basic specifications. At Transpumpserv Global, we raise the standard. We combine ANSI-compliant design with superior build quality, dependable performance, faster lead times, competitive pricing, and responsive customer support. In a market where all ANSI pumps may look alike, Transpumpserv dares you to compare—and discover the difference where it truly matters.



OIL & GAS



CHEMICAL PROCESS



MINING



ENERGY



WATER

Robust & Versatile Engineering



PROCLINE 1605 Series Applications

- Chemical
- Petrochemical
- Water Treatment
- Oil & Gas
- Automotive
- Pharmaceutical
- Pulp & Paper
- Steel
- Textile
- Grain Processing
- Food Processing
- Poultry Processing
- Semiconductor
- Power Generation

Key Features :

- ASME (ANSI) B73.1-compliant
- Magnetic drain plug
- Extra-large epoxy-coated oil sump
- Registered frame-adapter alignment
- Standard & low-flow models
- Heavy-duty power frames
- Fully open impellers with rear-adjustment
- Various mechanical seal options
- Dynamically balanced impellers
- Factory-certified parts

Benefits :

- Reliable & durable
- Easy maintenance
- High performance
- Flexible configurations
- Interchangeable with other pump makes

Enhanced Technical Specifications:

Materials:

- Ductile iron for strength and durability
- CF8M (316) stainless steel for corrosion resistance
- CD4MCuN and Alloy 20 for high-performance applications

Temperature Range:

- Maximum temperature: 500°F (260°C)

Stuffing-Box Options:

- Three configurations available for optimal sealing and maintenance

Port Sizes:

- Multiple options for flexibility and compatibility

Seal-Flush Plans:

- Multiple plans available for efficient seal operation and longevity

Basplates:

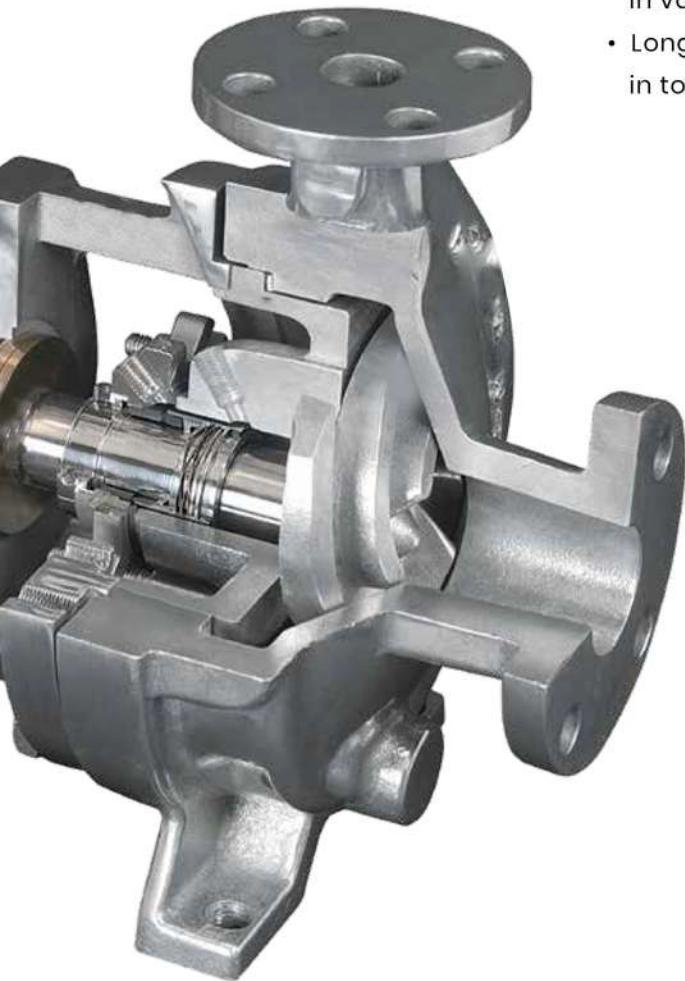
- Steel and composite options for strength, durability, and corrosion resistance

Certifications:

- Hydraulic Institute testing for performance verification
- ASTM material certifications for quality assurance

Performance Data:

- Max. flow: 7,000 gpm (1,590 m³/hr)
- Max. head: 900 ft (275 m)



Robust Shaft and Bearings

- Minimized Vibration: Shaft deflection < 0.002 inches per ASME (ANSI) B73.1.
- Material Options: Sleeved and solid shafts in various materials
- Long-Lasting Bearings: 10-year life expectancy in tough conditions



Enhanced Oil Monitoring

- Oversized Sight Glass: 1-inch reflective glass for easy oil level and condition monitoring, supporting bearing longevity.
- Optional Bottle Oiler: Provides additional lubrication control.

Magnetic Protection

- Captures Metallic Contaminants: Magnetic drain plug attracts and collects damaging particles, protecting bearings from potential harm.

Robust Casing Design

Our Class 150 pumps feature heavy-duty casings with:

- Enhanced Durability: Same wall thickness as Class 300 pumps for increased reliability in corrosive/erosive environments.
- Self-Venting Discharge: Top centerline discharge for efficient air handling.
- Easy Maintenance: Back pullout design simplifies maintenance and reduces downtime.
- Rigid Casing Feet: Prevents pipe-load misalignment, promoting seal and casing longevity.
- Standard Features: Discharge connection for pressure gauge or seal flush, and casing drain for simplified maintenance. Robust Impeller Solutionx1

Robust Frame Adapters

- Durable Ductile Iron: Provides strength and reliability.
- Precision Machining: Ensures accurate alignment and simplifies maintenance.

Advanced Sealing System

- Effective Contamination Barrier: INPRO oil seals protect lubrication media.
- Extended Bearing Life: Available in bronze, carbon-filled PTFE, and magnetic face seals.

Mouting Flange

- Motor Compatibility: Accommodates C-face motor adapters.

Large Capacity Oil Reservoir

- Improved Heat Management: Maximizes oil capacity for reduced temperature and increased bearing life.
- Corrosion-Resistant Lining: Epoxy coating maintains oil quality.

Advanced Sealing Options

- Customizable Seals: Variety of sealing options tailored to specific service conditions.
- Optimized Seal Chambers: Designed for improved lubrication and heat dissipation, reducing downtime and maximizing pump uptime.

The Proline 1605 Series impeller boasts:

- Increased Durability: Double wear area for handling abrasive materials.
- Optimized Performance: Back vanes reduce pressure and loads, enhancing seal life.

Secure Casing Seal

- Reliable Joint Sealing: Contained gasket design prevents liquid leakage and blowout.
- Easy Maintenance: Facilitates safe and simple disassembly.



Procline 1605 options

lubrication and cooling of the seal faces.

	Standard Bore	Large Bore	Tapered Bore
			
Services			
Services utilizing packing or mechanical seals. For mild fluid at ambient temperatures.	Most services including those with solids greater than 10%. Increased radial clearance between seal and chamber for improved liquid circulation, lubrication and cooling.	Services up to 10% solids or those containing entrained air or vapors. For lower seal face temperatures, self venting and draining. Circulates solids and vapors away from seal faces.	
Sealing Flexibility			
Packing	Most Services	Not Available	Not Available
Single Seal/No Flush	Not Recommended	Not Recommended	Services with Solids up to 10%
Single Seal/With Flush	Mild, Clear Fluids	Most Services Including Solids above 10%	All Services with Solids up to 10%
Conventional Double Seal with Seal Plan	Zero Leakage Applications	Zero Leakage Applications	Not Available
Cartridge Double Seal with Seal Plan	Zero Leakage Applications	Zero Leakage Applications	Zero Leakage Applications

Seals To Fit Any Application:

CARTRIDGE SEALS, COMPONENT SEALS & CONVENTIONAL PACKING

With Griswold's broad selection of seals, you can accommodate most any fluid and temperature for demanding chemical, petroleum, pharmaceutical and general industry applications. Our engineers can recommend the best seal to maximize your application and system life—including cartridge or component, single or double, inside or outside, balance or unbalanced seals or conventional packing.



Single Cartridge Seal



Double Cartridge Seal



Double Gas Barrier Seal



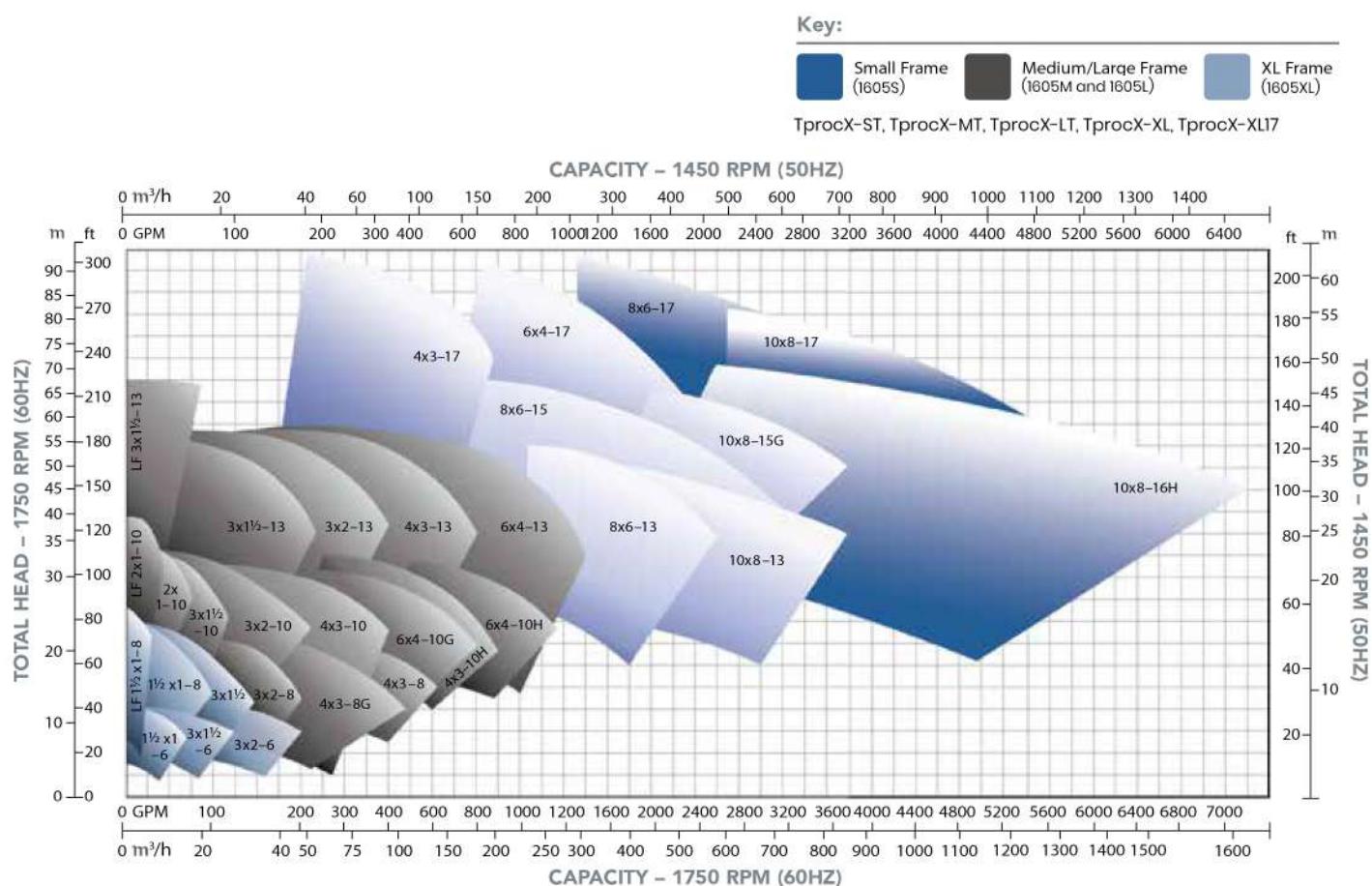
Single Inside Seal



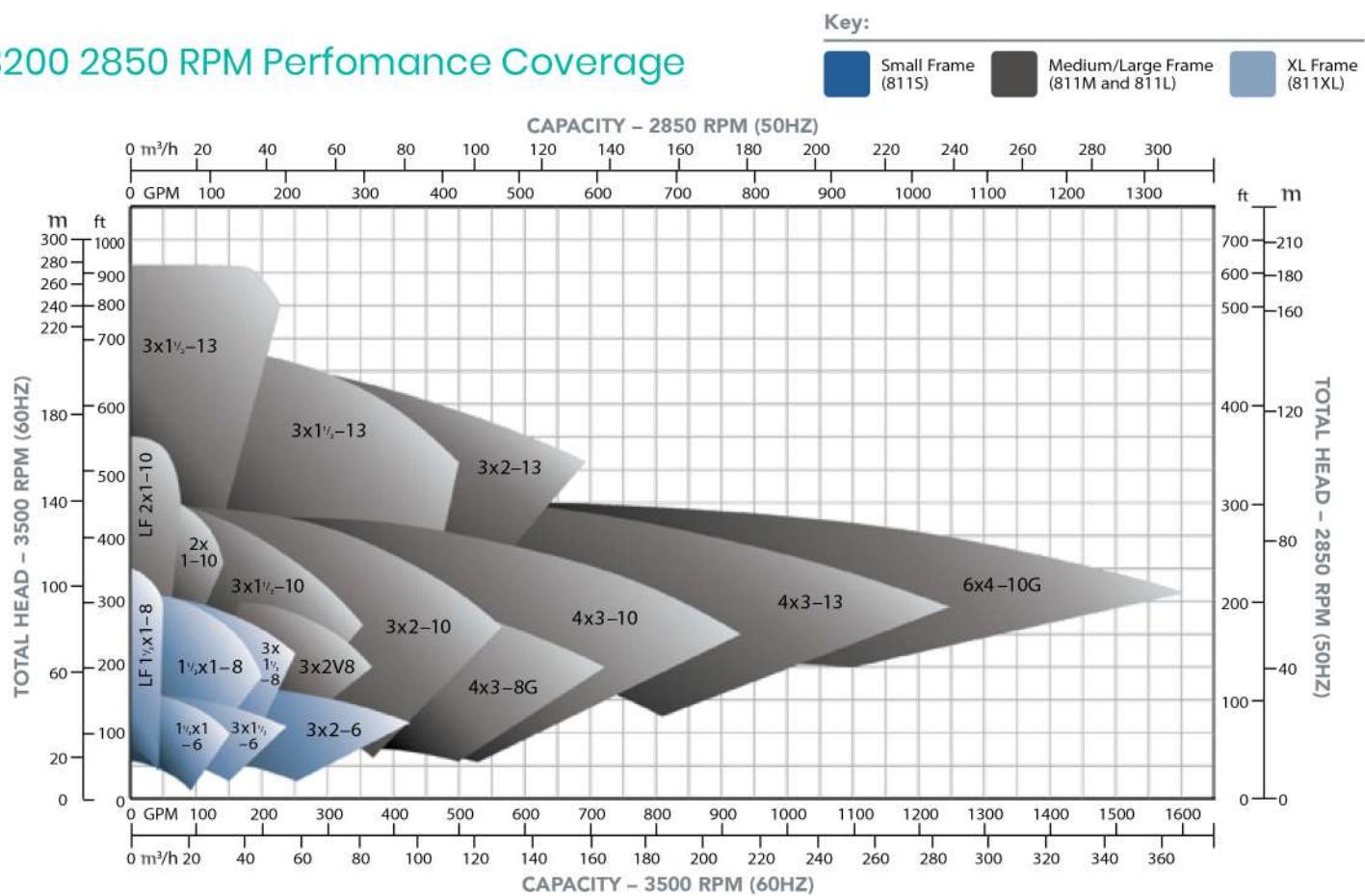
Conventional Double Seal

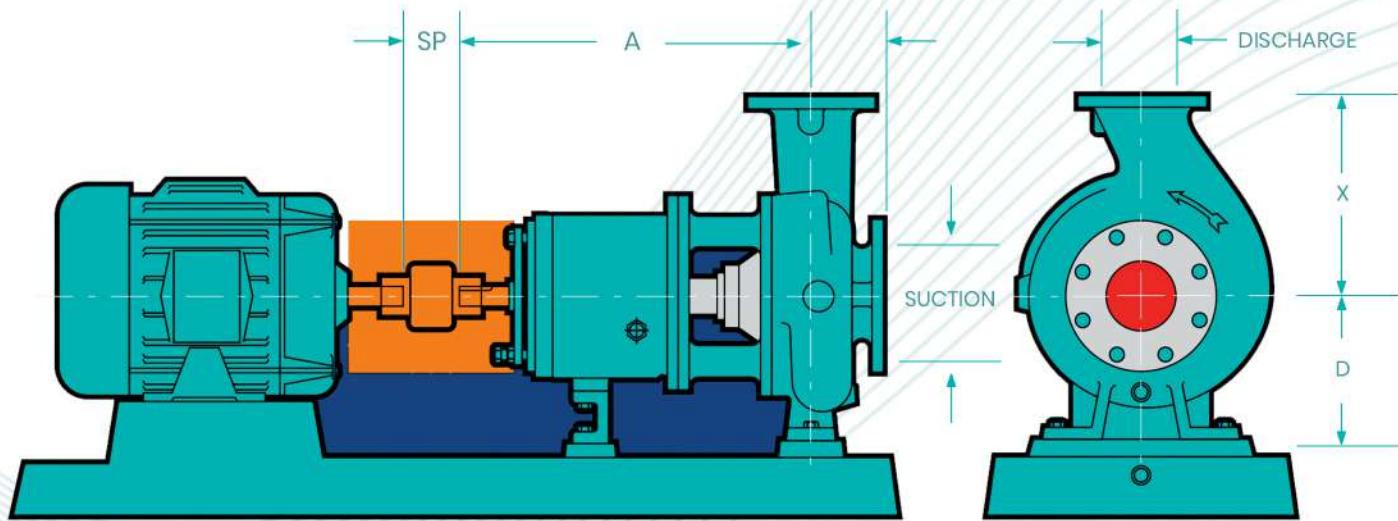
Procline 1605 Series Performance & Specifications

1750 1450 RPM Performance Coverage



3200 2850 RPM Performance Coverage

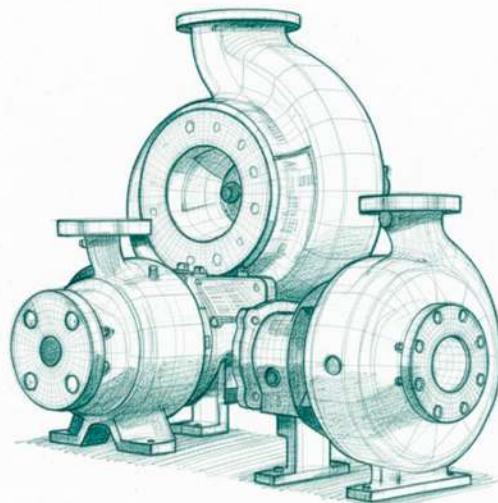




Dimension chart Procline 1605

TprocX-ST, TprocX-MT/LT, TprocX-LT, TprocX-XL, TprocX-XL17

Group	Pump	Suction	Discharge	X	A	B	D	SP	Weight
	Size	Size (MM/INCH)	Size (MM/INCH)						(kg)
TprocX-ST	1.5X1-6	38 (1.5")	25 (1")	165	343	102	132	95	50
	3X1.5-6	75 (3")	38 (1.5")						55
	3X2-6	75 (3")	50 (2")						55
	1.5X1-8	38 (1.5")	25 (1")						60
	3X1.5-8	75 (3")	38 (1.5")						65
TprocX-MT/LT	3X2-8	75 (3")	50 (2")	242	495	102	210	95	120
	4X3-8	100 (4")	75 (3")	280					130
	4X3-8G	100 (4")	75 (3")	216					130
	2X1-10	50 (2")	25 (1")	280					125
	3X1.5-10	75 (3")	38 (1.5")	242					125
	3X2-10	75 (3")	50 (2")	280					125
	4X3-10	100 (4")	75 (3")	318					130
	4X3-10H	100 (4")	75 (3")	343					135
	6X4-10	150 (6")	100 (4")	343					170
	6X4-10G	150 (6")	100 (4")	343					170
	6X4-10H	150 (6")	100 (4")	343					170
	3X1.5-13	75 (3")	38(1.5")	267					150
	3X2-13	75 (3")	50 (2")	292					160
	4X3-13	100 (4")	75 (3")	318					165
	6X4-13	150 (6")	100 (4")	343					200
TprocX-XL	8X6-13	200 (8")	150 (6")	406	457	102	254	95	280
	10X8-13	250 (10")	200 (8")	406					335
	8X6-15	200 (8")	150 (6")	406					320
	10X8-15G	250 (10")	200 (8")	406					360
TprocX-XL17	4X3-17	100 (4")	75 (3")	406	483	152	368	132	460
	6X4-17	150 (6")	100 (4")	406					290
	8X6-17	200 (8")	150 (6")	457					320
	10X8-17	250 (10")	200 (8")	457					400
	10X8-16H	250 (10")	200 (8")	483					350



OUR SERVICES

- CONSULTANCY AND ANALYSIS
- OPERATION
- SYSTEM OPTIMIZATION
- IOT- I PROMPT
- INSTALLATION & COMMISSIONING
- LASER ALIGNMENT
- REPAIRS & UPGRADE
- TRANSPUMPSERV REFURBISHMENT
- PUMP ACCESSORIES & SPARE PARTS
- TRANSFLUID - LIVE ASSISTANT & TRAINING
- TRANSPUMPSERV PACKAGE

STREAMLINED - RESILIENT - PROTECTED - EXPERT PUMP SOLUTIONS

INDIA

- Transpumpserv Global (HQ)
Vadodara - Gujarat, INDIA
- Transpumpserv Engineering
(Mfg. Unit -1) Valod - Surat, INDIA



SCAN ME

📞 +91 7016539529

✉️ info@transpumpservglobal.com  www.transpumpglobal.com

CANADA

- Transpumpserv Canada (SO)
Toronto - Canada

Follow us :   