



Misting, Cooling and Fogging Products

High-Pressure Pumps and Systems for Exceptional Performance



Product Quality, Reliability and Support You Expect

www.catpumps.com



Photo provided by Atomizing Systems Inc.

Cat Pumps Keeps You Cool, Clean, and in Control

Atomized water keeps customers and computer servers cool, potatoes and lumber humid, and amusement parks fun. From poultry farms to greenhouses, high-pressure misting contributes to happy egg-laying hens and green growing plants. But the opposite is also true: poor heat and humidity control can lead to overheating, loss of service or product, and many unhappy customers.

Equipment builders stake their reputation on system performance. Lost time, production, and customer satisfaction cannot be recovered. This is why Cat Pumps is the leading pump provider to the industry. With over 50 years of high-pressure pump manufacturing, Cat Pumps has built a solid reputation of producing the highest quality, longest-lasting pumps.

Quality is never an accident. Cat Pumps has engineered every last detail of pump design for long-life and reliable performance. When service is necessary, repairs can be made fast without special tools. Cat Pumps stocks service kits and parts for off-the-shelf delivery, plus is supported by a strong worldwide distribution network.

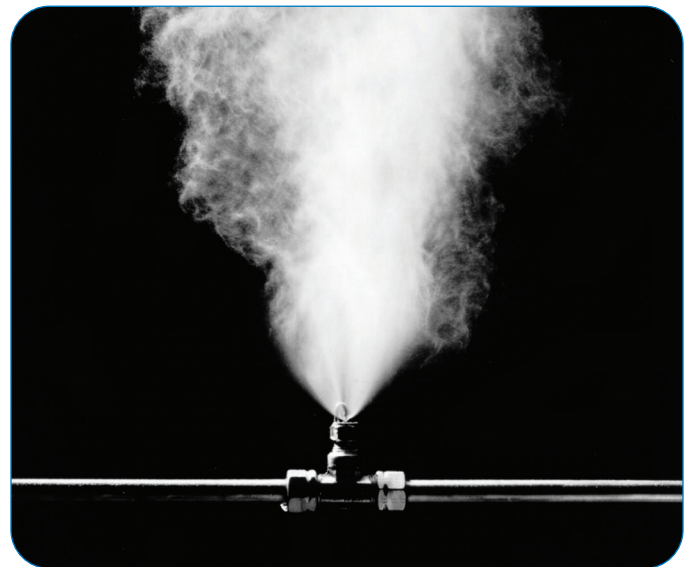


Photo provided by Atomizing Systems Inc.

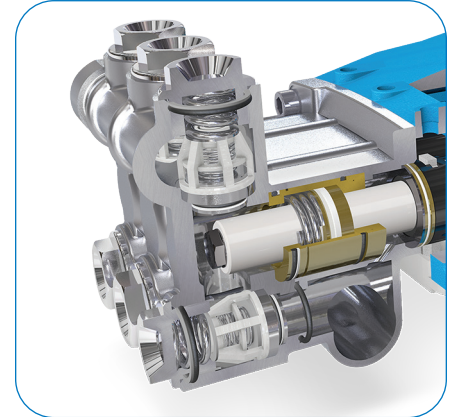
Make every hour count with Cat Pumps. Enjoy these benefits:

- Higher productivity and better yields
- Better system performance with less downtime
- Greater confidence in equipment and system performance

Quality to Keep Your Equipment Running

Cat Pumps designs and builds products to the highest quality levels. Every last design detail is optimized for product life and performance. Examples include the following features:

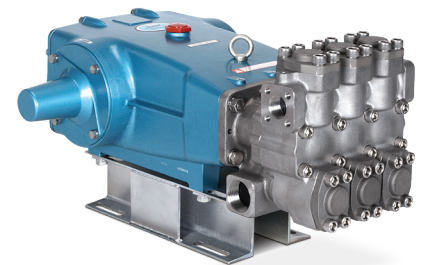
- Specially formulated seals and high-density, polished ceramic plungers typify the attention to design detail that results in thousands of hours of trouble-free service
- Stainless steel valves, seats and springs provide corrosion resistance, positive seating and long life
- Wet seal design increases service life by allowing pumped fluids to cool and lubricate the elastomers on both sides



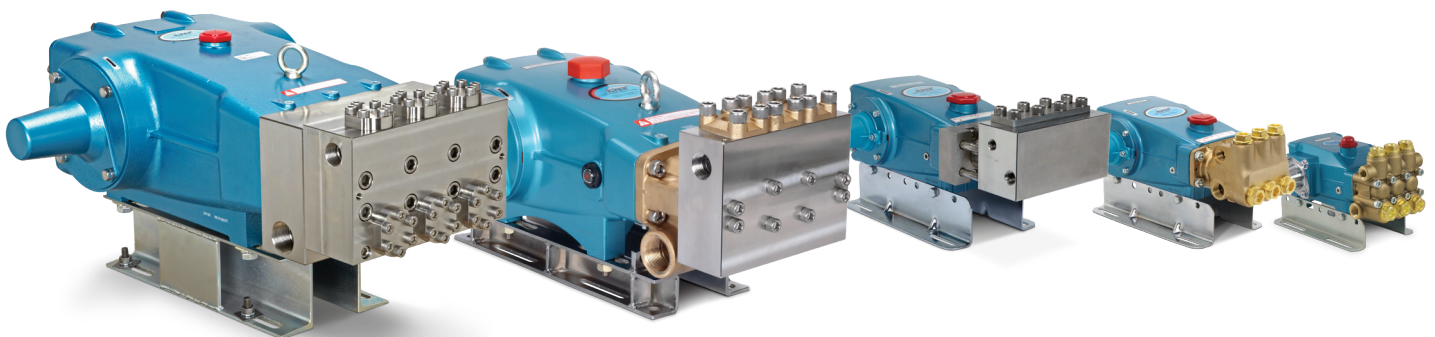
Product Performance Range

A wide range of pump options are available, including a variety of products that meet industry certifications and directives.

- Flow: 0.13 to 240 gpm (0.49 to 908 lpm)
- Pressure: 100 to 10,000 psi (6.9 to 689 bar)
- RPM: 100 to 3450
- Liquid Temperature: -10° to 200°F (-23° to 93°C)
- Manifold Materials: Brass, Nickel Aluminum Bronze, 304 and 316 Stainless Steel, Duplex Stainless Steel. Other materials available on request
- Sealing Material: NBR, FPM, EPDM, PTFE, silicone-free and other materials available upon request
- Drives: Electric, Engine, Hydraulic, Pneumatic



Model 6762
60 gpm (227 lpm), 1200 psi (83 bar)



Industry Applications

Humidity/Moisture Control

Misting systems are used to maintain proper moisture and/or consistent humidity. They eliminate static electricity, suspend airborne dust, and ensure that product and materials are less susceptible to brittleness and fracturing.

Typical Applications:

- Nurseries and greenhouses
- Air handling units
- Poultry hatchery
- Vegetable storage
- Flash drying
- Automotive manufacturing paint booth
- Wine barrel storage
- Meat processing rooms
- Textile/paper processing
- Print shops
- Concrete curing
- Lumber conditioning
- Waste water evaporation



Evaporative Cooling/Temperature Control

A high-pressure pump system and nozzles inject atomized water into the air. The results of this type of cooling are dramatic and can reduce air temperature by 20 to 30 degrees depending upon ambient conditions.

Typical Applications:

- Outdoor dining and waiting areas
- Hotels, resorts, and theme parks
- Sporting events
- Warehouses and loading docks
- Poultry barns
- Water mist fire protection
- Recreational areas
- Kennels and veterinary hospitals
- Livestock cooling
- Universities and libraries
- Site tents for personnel cooling



Photo provided by Modern Misting Systems Inc.

Odor and Pest Control

Misting/fogging systems are commonly used in eliminating unwanted odors and pests. The reduction of water and chemicals lowers costs, making misting a great choice for odor and pest control.

Typical Applications:

- Recycling and landfills
- Waste transfer stations
- Trash collection sites
- Water treatment facilities
- Rendering plants
- Food waste sites
- Livestock and poultry sites
- Sanitation
- Paper mills
- Mosquito misting



Photo provided by Atomizing Systems Inc.

Special Effects

Misting/fogging systems are used to simulate fog or smoke and create excitement or intrigue. Misting/fogging systems are a great way to improve the customer experience, create visual effects and drive additional revenue from customer visits.

Typical Applications:

- Theme parks
- Zoos
- Hotels and resorts
- Stadiums
- Gardens
- Pool areas
- Motion picture productions
- Concerts



Photo provided by Atomizing Systems Inc.

Mist Dust Suppression

Misting/fogging is used to control the amount of dust particles in the air. Misting suppresses or removes breathable dust particles, improving air quality and working conditions. Misting also results in equipment life improvement.

Typical Applications:

- Mining
- Conveyor systems
- Crushing and grinding
- Demolition
- Steel mills
- Stockpiles
- Grain and powder transfer
- Livestock buildings



Photo provided by Modern Misting Systems Inc.

Process Cooling

Process cooling uses high-pressure mist cooling in manufacturing, power generation and pre-cooling (HVAC, Cooling Towers, Refrigeration). Misting systems benefits, can dramatically improve the quality of products, working environment and efficiencies while reducing production downtime.

Typical Applications:

- Gas turbine cooling
- HVAC systems
- Cooling towers
- Equipment and electronic rooms
- Manufacturing plants
- Pre-cooling
- Injection molding
- Steel casting-machining
- Food processing
- Air scrubbing
- Computer server farms



Photo provided by Atomizing Systems Inc.

Compact Misting Pumps

The 1CX is an incredibly reliable pump designed to keep your systems running. From the oil lubricated drive-end to the specially designed regulator, engineers at Cat Pumps set out to design the best compact misting pump available.

The 1CX is the perfect fit for misting applications that require 0.5 gpm or less, up to 1250 psi. With seals that last thousands of hours before requiring any servicing, the 1CX is small in size but has the same life expectancy as our industrial products.



Model Number Selection Chart

SERIES	FLOW (1750 RPM)	REGULATOR	ASSEMBLE OPTION	MOTOR OPTION*	PULSE HOSE OPTION
1CX	013 = .13 gpm	R = Regulator Included	D = Pump and Motor not assembled	1 = 8180	Blank = No Pulse Hose
	025 = .25 gpm			2 = 8182	
	050 = .5 gpm		A = Pump and Motor assembled	3 = 8185	P = Pulse Hose Included
		4 = 8183			
			5 = 8186		

Example: 1CX050RA2P = .5 gpm, Regulator, 8182 Motor, Assembled, Pulse Hose Included

* See Motor Options Chart Below

Motor Options

MOTORS	8180	8182	8185	8183	8186
Horsepower**	¼ HP	½ HP	½ HP	½ HP	½ HP
Phase	Single	Single	Single	Single	Single
Hertz	60 Hz	60 Hz	60 Hz	50 Hz	60 Hz
Voltage	115V / 230V	115V / 230V	115V / 230V	115V / 230V	115V / 230V
rpm	1750 rpm	1750 rpm	1750 rpm	1450 rpm	1750 rpm
Full load amp*	2.8 / 1.4	4.8 / 2.4	4.8 / 2.4	6.4 / 3.2	4.8 / 2.4
Service factor	1.0	1.0	1.0	1.0	1.0
Shaft diameter	½"	½"	½"	½"	½"
Connection	12" Leads	12" Leads	Terminal Box	Terminal Box	Terminal Box
Capacitors	Start and Run	Start and Run	Start and Run	Start and Run	Start and Run
Insulation class	E	E	E	F	E
Motor type	ODP	ODP	ODP	TEFC	TEFC
Compliance	RoHS CSA	RoHS CSA	RoHS CSA	RoHS, CE UL, CSA	RoHS, CSA
Weight	15.80 lbs	21.75 lbs	22.25 lbs	28.85 lbs	24.55 lbs

*NOTE: Without pulse hose amp draw will increase as much as 2 amps depending upon pump model and discharge pressure.

** HP Calculation, 1CX Series only = (GPM X PSI) ÷ 1060

Direct Drive Hollow Shaft Pumps

When it comes to getting the job done, customers rely on Cat Pumps. The direct-drive hollow shaft pumps are no exception. Designed for continuous-duty applications and built to Cat Pumps quality standards, these pumps are preferred by system builders due to their compact size and ease of assembly.

From specially formulated high-pressure seals to concentric polished ceramic plungers, Cat Pumps direct drive pumps provide maximum life. Compact hollow shaft design is a perfect match for standard NEMA 56C and 184C frame electric motors. Flow rates from 0.5 to 4.0 gpm; pressures from 300 to 3000 psi.



Brass Manifold, 1725 RPM

Electric Motor, NEMA, 5/8" - 56C Face and 1 1/8" - 184C Face

PUMP MODEL	RATED FLOW		RATED PRESSURE		RPM	SHAFT	FLANGE
	GPM	LPM	PSI	BAR			
4DX03ELR	0.3	1.1	2000	138	1725	5/8"	56C
4DX10ER	0.5	1.9	2000	138	1725	5/8"	56C
4DX15ER	0.75	2.9	2000	138	1725	5/8"	56C
4DX20ER	1.0	3.8	2000	138	1725	5/8"	56C
4DX27ER	1.35	5.1	2000	138	1725	5/8"	56C
4DX30ER	1.5	5.7	2000	138	1725	5/8"	56C
4SP21ELR	2.1	8.0	2000	138	1725	5/8"	56C
2SF25ELS	2.5	9.5	1500	103	1725	5/8"	56C
4SP29ELR	2.9	11.0	1200	83	1725	5/8"	56C
5SP30ELR	3.0	11.4	3000	207	1750	1 1/8"	184C
5SP35ELR	3.5	13.3	2500	172	1750	1 1/8"	184C
5SP40ELR	4.0	15.2	2000	138	1750	1 1/8"	184C

HP calculation = (GPM x PSI) ÷ 1460

Brass Manifold, 3450 RPM

Electric Motor, NEMA, 5/8" - 56C Face

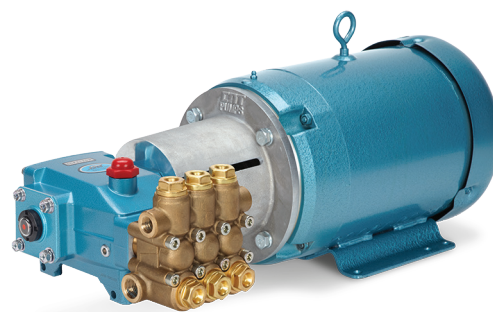
PUMP MODEL	RATED FLOW		RATED PRESSURE		RPM	SHAFT	FLANGE
	GPM	LPM	PSI	BAR			
4DX10ER	1.0	3.8	2000	138	3450	5/8"	56C
4DX15ER	1.5	5.7	2000	138	3450	5/8"	56C
4DX20ER	2.0	7.6	2000	138	3450	5/8"	56C
4DX27ER	2.7	10.3	2000	138	3450	5/8"	56C
4DX30ER	3.0	11.4	2000	138	3450	5/8"	56C
2SF35ES	3.5	13.3	1500	103	3450	5/8"	56C

HP calculation = (GPM x PSI) ÷ 1460

Direct Drive Bell Housing Pumps

Bell housing mounting is designed for easy assembly and compact size, with a smaller footprint compared to belt drive units. Cat Pump bell housings are made from high strength aluminum and anodized for optimal corrosion resistance.

Pump options for direct drive bell housings include brass and 316 stainless steel manifolds. Available flow rates: 2.3 to 10.5 gpm, with pressures up to 4000 psi. Bell housings are available as individual components or assembled as complete pump/motor assemblies.



Brass Manifold, 1725 rpm

Electric Motor – Bell Housing

PUMP MODEL	RATED FLOW		RATED PRESSURE		RPM	SHAFT
	GPM	LPM	PSI	BAR		
3CP1130	2.4	9.1	2200	152	1725	16.5 mm
3CP1140	3.6	13.7	2200	152	1725	16.5 mm
5CP2140WCS	4.0	15.2	2500	172	1725	20 mm
3CP1120	4.2	16.0	2200	152	1725	16.5 mm
5CP4120CSS	4.5	17.1	4000	276	1725	20 mm
5CP3120CSS	4.8	18.2	3000	207	1725	20 mm
5CP2150W	5.0	19.0	2000	138	1725	20 mm
5CP5120	6.0	22.8	2500	172	1725	20 mm
5CP5140CSS	6.7	25.5	3000	207	1725	20 mm
5CP6120	7.4	28.1	1200	83	1725	20 mm
56	8.0	30.4	2500	172	1725	24 mm
5CP6180CSS	8.2	31.1	1500	103	1750	20 mm
5CP6190	10.0	38.0	1200	83	1750	20 mm
7CP6110CS	10.5	39.9	2000	138	1725	24 mm

HP calculation = (GPM x PSI) ÷ 1460

316 Stainless Steel Manifold, 1725 rpm

Electric Motor – Bell Housing

PUMP MODEL	RATED FLOW		RATED PRESSURE		RPM	SHAFT
	GPM	LPM	PSI	BAR		
3CP1231	2.3	8.7	2000	138	1725	16.5 mm
3CP1241	3.6	13.7	2000	138	1725	16.5 mm
5CPQ6241CS	4.0	15.2	2000	138	1725	20 mm
3CP1221	4.2	16.0	2000	138	1725	16.5 mm
3CP1211CS	5.0	19.0	1700	117	1750	16.5 mm
5CPQ6251	5.0	19.0	2000	138	1725	20 mm
5CPQ6221	7.4	28.1	1200	83	1725	20 mm
7CP6111CS	10.5	39.9	2000	138	1725	24 mm

HP calculation = (GPM x PSI) ÷ 1460

Direct Drive Mounting Components

Bell Housing Assembly

PUMP SERIES	MODELS	MOTOR FRAME	BELL HOUSING ASSY
3CP Series	All 3CP Models	56C – 145TC	76056.3CP
		182/184TC	76184.3CP
		213/215TC	76215.3CP
5CP Series	All 5CP Models	56C – 145TC	76056.5CP
		182/184TC	76184.5CP
		213/215TC	76215.5CP
		254/256TC	76256.5CP
7CP Series	All 7CP Models	56C – 145TC	76056.7CP
		182/184TC	76184.7CP
		213/215TC	76215.7CP
7FR/8FR Series	56, 60, 700–760, 781–786	254/256TC	76256.7CP
		182/184TC	76184.7FR
		213/215TC	76215.7FR
		254/256TC	76256.7FR



Bell Housing Series

Flexible Coupler Assembly

PUMP SERIES	MOTOR FRAME	FLEX COUPLER ASSEMBLY	TORQUE RATING (FT-LBS)
3CP Series	56C	8215	27
	145TC	8210	27
	182/184TC	8220	27
	182/184TC	8225	74
	213/215TC	8270	92
5CP Series	56C	8261	74
	145TC	8260	74
	182/184TC	8230	74
	213/215TC	8275	92
	254/256TC	8217	150
7CP & 7FR Series	56C	8218	74
	182/184TC	8370	74
	213/215TC	8375	74
	254/256TC	8380	150

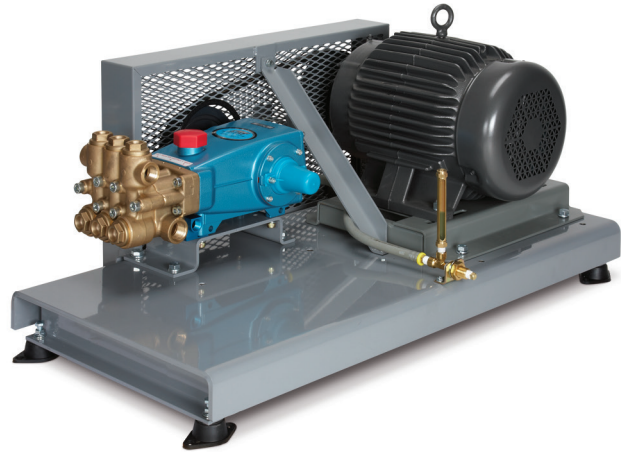


Flex Coupler Series

Belt Drive Pumps

Belt drive pumps offer longer life by running at slower speeds, reducing pump wear. For continuous-duty applications, an oversized pump running slower can provide over 10,000 hours of operation before needing seal or valve servicing.

Cat Pumps belt-driven pumps can be configured to obtain exact performance required. With the flexibility of varying pulley ratios, flow can be selected regardless of motor or pump rpm.



Brass Manifold

PUMP MODEL	RATED FLOW		RATED PRESSURE		RPM	SHAFT
	GPM	LPM	PSI	BAR		
3CP1140	3.6	13.7	2200	152	1725	16.5 mm
5CP2120W	4.0	15.2	2500	172	950	20 mm
3CP1120	4.2	16.0	2200	152	1725	16.5 mm
5CP3120	4.5	17.1	3500	241	1645	20 mm
5CP5120	5.0	19.0	3000	207	1415	20 mm
5CP6190	8.0	30.4	1450	100	1450	20 mm
56	8.0	30.4	2500	172	1725	24 mm
5CP6190	10.0	38.0	1200	83	1725	20 mm
7CP6170	10.5	39.9	2000	138	1450	24 mm
1050	12.0	45.6	1800	124	1150	30 mm
1530	15.6	59.3	1500	103	1450	30 mm
1540E	18.0	68.4	1200	83	1100	30 mm
2510	20.0	76.0	2000	138	1450	30 mm
2530	25.0	95.0	1200	83	1025	30 mm
3520	25.0	95.0	2000	138	870	35 mm
3535	36.0	136.8	1200	83	800	35 mm
3545	45.0	171.0	1000	69	765	35 mm
3545HS*	50.0	190.0	1500	103	850	35 mm
6760	60.0	228.0	1200	83	520	45 mm

HP calculation = (GPM x PSI) ÷ 1460

*Intermittent duty only – operating pump at stated flow and pressure for no more than 50% of the time in any given hour.

$$\text{Desired RPM} = \text{Desired GPM} \times \frac{\text{Rated RPM}}{\text{Rated GPM}}$$

316 Stainless Steel Manifold

PUMP MODEL	RATED FLOW		RATED PRESSURE			SHAFT
	GPM	LPM	PSI	BAR	RPM	
3CP1241	3.6	13.7	2000	138	1725	16.5 mm
3CP1211CS	5.0	19.0	1700	117	1725	16.5 mm
5CPQ6221	6.0	22.8	2000	138	1400	20 mm
7CP6171CS	10.5	39.9	2000	138	1450	24 mm
1051	12.0	45.6	1800	124	1150	30 mm
1531	15.6	59.28	1500	103	1450	30 mm
1541	18.0	68.4	1200	83	1100	30 mm
2511	20.0	76.0	1500	103	1450	30 mm
2531	25.0	95.0	1200	83	1025	30 mm
3521DHS	25.0	95.0	2000	138	870	35 mm
3531D	36.0	136.8	1200	83	800	35 mm
3531DHS*	40.0	152	2000	138	888	35 mm
3541D	45.0	171	1000	69	765	35 mm
6761	60.0	228	1200	83	520	45 mm
67102	80.0	303	1200	83	500	45 mm
67102	100.0	378	1000	69	680	45 mm

HP calculation = (GPM x PSI) ÷ 1460

*Intermittent duty only - operating pump at stated flow and pressure for no more than 50% of the time in any given hour.

$$\text{Desired RPM} = \text{Desired GPM} \times \frac{\text{Rated RPM}}{\text{Rated GPM}}$$

“The applications I serve often require the pumps to perform at the edge of their operating limits. Cat Pumps are the only pumps that can handle the application variation and still meet the demands in life that customers need.”

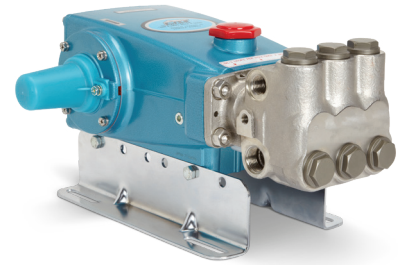
Ali E. • Aniks

Flush–Style Pumps

Flush pumps (“K” or “C” option) provide an external seal flush between the high and low-pressure seals, adding considerable life to seals and wear elements.

Flush pumps are ideal for applications that pump liquids with poor lubricity properties, such as demineralized or highly-purified water, which is often used for inlet turbine fogging. Clean room humidification can also use demineralized water/ high-purity water.

Cat Pumps products have been used with confidence for years on applications with low-lubricity fluids. Contact Cat Pumps application specialists to properly size and select pumps and accessories, including power unit system design.



316 Stainless Steel Manifold

PUMP MODEL	RATED FLOW		RATED PRESSURE			
	GPM	LPM	PSI	BAR	RPM	SHAFT
311C	4.0	15.2	2200	152	950	20 mm
781K	4.7	17.9	5000	345	1750	24 mm
1051C	10.0	38.0	2200	152	958	30 mm
661C	10.0	38.0	3000	207	1429	30 mm
3501C	10.0	38.0	5000	345	915	35 mm
7CP6171CCS	10.5	39.9	2000	138	1450	24 mm
7CP6111CCS	10.5	39.9	2000	138	1750	24 mm
1051C	12.0	45.4	1800	124	1150	30 mm
3511C	14.0	53.2	3000	207	800	35 mm
6811K	15.0	57.0	5000	345	600	45 mm
6801K	15.0	57.0	7000	483	600	45 mm
1541C	18.0	68.0	1200	83	1100	30 mm
2831K	25.0	95.0	1200	83	1025	30 mm
3521C	25.0	95.0	2000	138	870	35 mm
6821K	25.0	95.0	3000	207	615	45 mm
3531C	36.0	136.2	1200	83	800	35 mm
6831K	40.0	152.0	2300	159	625	45 mm
3541C	45.0	171.0	1000	69	765	35 mm
6841K	48.0	182.4	2000	138	615	45 mm
6861K	60.0	228.0	1200	83	520	45 mm
67102C	100.0	378.5	1000	69	680	45 mm

HP calculation = (GPM x PSI) ÷ 1460

Model numbers ending in “C” indicate flushed cast manifold and “K” indicate flushed block manifold.

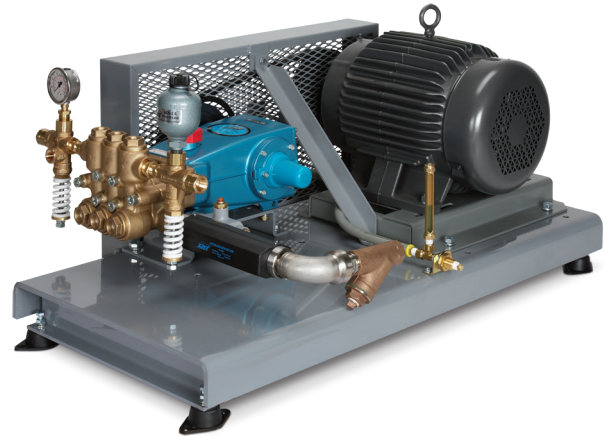
$$\text{Desired RPM} = \text{Desired GPM} \times \frac{\text{Rated RPM}}{\text{Rated GPM}}$$

Custom Pumping Systems

For over 25 years, Cat Pumps has been the industry leader in providing custom-engineered pumping systems to meet a wider range of application needs. By selecting Cat Pumps for your next pumping system, customers eliminate the hassle and expense of designing, multiple source buying, fabrication and testing. The technical sales team assists with proper component selection, as well as installation, operation and maintenance support.

All systems are designed, built and pressure tested in the Cat Pumps Minneapolis location. To begin the quoting process, call the main office at (763) 780-5440 or submit the custom system quote form at catpumps.com.

With thousands of installations running around the world, Cat Pumps is the supplier of choice for custom pumping systems.



System Configuration

With extensive experience building thousands of systems, Cat Pumps can help determine the best configuration for any application.

Base

Numerous base configurations are available to meet space, portability, sound and material demands.

- Standard • Vertically Stacked • Enclosed • Multiple Pump

Power Source

A qualified technical staff with extensive experience can assist in recommending the correct product for any power source available.

- Electric • Gas • Diesel • Hydraulic • Pneumatic

Drive Package

A wide variety of drive packages are available to complement any power source of choice.

- Belt • Direct Drive • Gearbox • Clutch

Accessories

Choose from hundreds of high-quality genuine Cat Pumps accessories for optimum system performance and life.

- Regulator • Relief / Pop-off Valve • Pressure Gauge
- Pulsation Dampener • Inlet Filter / Strainer • Oil

Advanced Control Options



Ask about advanced control options designed to provide maximum system performance as well as system protection. Options include:

- Variable Frequency Drives (VFD)
- PID Loop (varies speed of pump to maintain system pressure)
- Multiple Pump Systems
- Low-Pressure Seal Monitors
- Auto Shutdowns (Temperature and Low Inlet Pressure)

Other control options are available upon request.

Accessories

CPC Pressure Regulators

Primary Pressure Control

Brass

MODEL	FLOW RANGE		PRESSURE RANGE	
	GPM	LPM	PSI	BAR
7001	0.5 – 5	1.9 – 19	100 – 1000	6.9 – 69
7002	0.5 – 5	1.9 – 19	500 – 2000	35 – 138
7003	0.5 – 5	1.9 – 19	1500 – 3000	103 – 207
7011	1 – 10	3.8 – 38	100 – 1000	6.9 – 69
7012	1 – 10	3.8 – 38	500 – 2000	35 – 138
7013	1 – 10	3.8 – 38	1500 – 3000	103 – 207
7021	2.5 – 25	9.5 – 95	100 – 1000	6.9 – 69
7022	2.5 – 25	9.5 – 95	500 – 2000	35 – 138
7023	2.5 – 25	9.5 – 95	1500 – 3000	103 – 207
7031	3.5 – 35	13.2 – 132	250 – 1000	18 – 69
7032	3.5 – 35	13.2 – 132	1000 – 2000	69 – 138
7033	3.5 – 35	13.2 – 132	1500 – 3000	103 – 207

316 Stainless Steel

MODEL	FLOW RANGE		PRESSURE RANGE	
	GPM	LPM	PSI	BAR
7001.100	0.5 – 5	1.9 – 19	100 – 1000	6.9 – 69
7002.100	0.5 – 5	1.9 – 19	500 – 2000	35 – 138
7003.100	0.5 – 5	1.9 – 19	1500 – 3000	103 – 207
7011.100	1 – 10	3.8 – 38	100 – 1000	6.9 – 69
7012.100	1 – 10	3.8 – 38	500 – 2000	35 – 138
7013.100	1 – 10	3.8 – 38	1500 – 3000	103 – 207
7021.100	2.5 – 25	9.5 – 95	100 – 1000	6.9 – 69
7022.100	2.5 – 25	9.5 – 95	500 – 2000	35 – 138
7023.100	2.5 – 25	9.5 – 95	1500 – 3000	103 – 207
7031.100	3.5 – 35	13.2 – 132	250 – 1000	18 – 69
7032.100	3.5 – 35	13.2 – 132	1000 – 2000	69 – 138
7033.100	3.5 – 35	13.2 – 132	1500 – 3000	103 – 207
7376	10 – 75	38 – 284	500 – 2000	35 – 138



7001

Relief Valves

Primary or Secondary Pressure Control

Brass

MODEL	FLOW RANGE		PRESSURE RANGE	
	GPM	LPM	PSI	BAR
7085	1.0 – 3.5	3.8 – 13	205 – 2300	14 – 158
7561	0 – 4.0	0 – 15.1	100 – 1250	6.9 – 86
7080	2.8 – 7.8	9.5 – 30	150 – 1450	10 – 100
7082	2.8 – 7.8	9.5 – 30	850 – 3575	59 – 246
7693.100	2.5 – 10.5	9.5 – 40	230 – 2300	16 – 60
7694.100	2.5 – 10.5	9.5 – 40	400 – 4050	28 – 280
7537.100	1.0 – 21	3.8 – 80	230 – 2600	16 – 179
7542.100	1.0 – 21	3.8 – 80	800 – 4000	55 – 275
7595	1.0 – 53	3.8 – 200	260 – 2600	18 – 180
7593.100	10 – 52	38 – 200	750 – 4050	51 – 280
9950.100	50 – 120	190 – 456	100 – 2900	6.9 – 200

316 Stainless Steel

MODEL	FLOW RANGE		PRESSURE RANGE	
	GPM	LPM	PSI	BAR
7034	0 – 21	0 – 38	400 – 2200	28 – 155
7036	0 – 21	0 – 38	800 – 4000	55 – 275
890709	20 – 60	76 – 227	1500 – 4000	103 – 275
890700	30 – 180	114 – 680	1000 – 3000	70 – 207



7595

Pop-Off Valves

Secondary Pressure Control

Brass

MODEL	FLOW RANGE		PRESSURE RANGE	
	GPM	LPM	PSI	BAR
33961	6	23	4400	228
9940	25	95	4400	228

316 Stainless Steel

MODEL	FLOW RANGE		PRESSURE RANGE	
	GPM	LPM	PSI	BAR
9962	6	23	4400	228
9941	25	95	4400	228



9941

Accessories

Pressure Gauges

Bottom-mount

MODEL	MAXIMUM PSI	BAR	FITTING	PORT
6086	1500	103	Brass	¼" NPT(M)
6088	3000	207	Brass	¼" NPT(M)
6085	1500	103	316 Stainless	¼" NPT(M)
6097	3000	207	316 Stainless	¼" NPT(M)



6088

Misting Nozzles

Leak-Free Check Valve, Inline Screen

MODEL	DIAMETER (MM)	INLET PORT	MAXIMUM PSI		FLOW, 1000 PSI (69 BAR)	
			PSI	BAR	GPM	LPM
31943	0.25	¼" NPT(M)	1000	69	0.025	0.08
31944	0.3	¼" NPT(M)	1000	69	0.055	0.2
31945	0.5	¼" NPT(M)	1000	69	0.08	0.3



31943, 31944, 31945

Pulsation Dampeners

Carbon Steel Body, Sealed, Fixed Precharge

MODEL	MAXIMUM FLOW		PRESSURE RANGE		BLADDER MATERIAL	VOLUME CUBIC INCHES	PRECHARGE PSI
	GPM	LPM	PSI	BAR			
6026	15	57	300 – 600	20 – 41	NBR	10	250
6028	15	57	600 – 1000	41 – 69	NBR	10	450



6028

316 SS Fitting and Lower Body with Carbon Steel Upper Body, Adjustable Precharge, Rechargeable

6029	15	57	100 – 3000	6.9 – 207	NBR	10	450
6018	40	151	100 – 3000	6.9 – 207	NBR	45	450
6022	70	265	100 – 1500	6.9 – 103	NBR	120	450

Note: Optimal pre-charge should be preset to 50% of operating pressure. To change pre-charge, add .800 to part number and specify pre-charge.



6022

316 Stainless Steel Fitting and Body, Adjustable Precharge, Rechargeable

6031	15	57	100 – 2400	6.9 – 168	NBR	10	450
6014	25	95	100 – 2400	6.9 – 168	NBR	20	450
6013	40	151	100 – 2000	6.9 – 138	FPM	45	450
6016	40	151	100 – 2000	6.9 – 138	NBR	45	450
6015	70	265	100 – 1500	6.9 – 103	NBR	120	450

Note: Optimal pre-charge should be preset to 50% of operating pressure. To change pre-charge, add .800 to part number and specify pre-charge.



6031

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