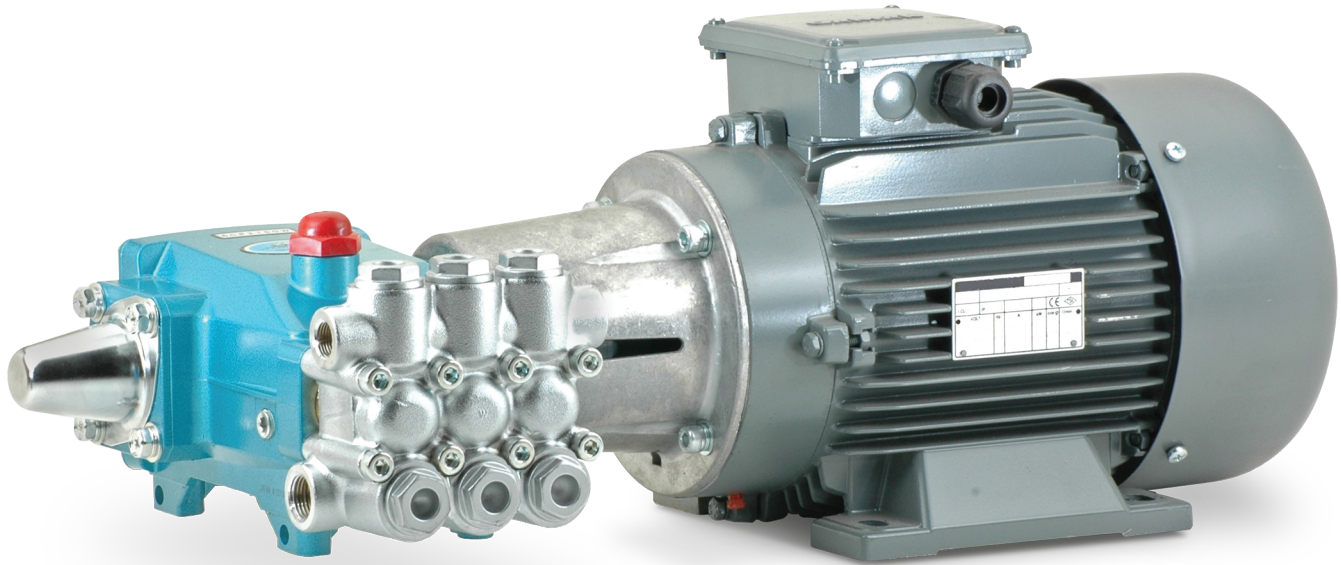


DIRECT DRIVE IEC BELL HOUSINGS



Cat Pumps Bell Housing Products

Cat Pumps bell housings offer a fast and convenient option for mounting high-pressure pumps to electric motors. By expanding motor selection to include 6-pole motors, direct-drive configurations now include several of our larger 15-frame pumps. Bell Housings rated up to 22 kW (180 IEC) are available for pump configurations that include brass, nickel aluminum bronze or 316 stainless steel manifolds, with flow rates up to 59.3 lpm and pressures up to 689 bar. Bell housings are available as individual components or assembled as a complete pump/motor assembly. Take advantage of the convenience of direct-drive pumps with off-the-shelf delivery from Cat Pumps.

Features

- Optimal alignment reduces side-loading for longer life, trouble-free operation
- Compact direct mounting reduces space requirement
- Cast from lightweight, high-strength aluminum alloy
- Ease of assembly reduces fabrication costs
- Slotted housing allows easy access to coupler set screws
- Available as a complete drive package for convenient system assembly
- Fits standard electric motors with B14 face up to 132 frame, and B5 face up to 180 frame

Applications

- Pressure Washers
- Self-Serve Car Wash
- Industrial High-Pressure Power Units
- Car Wash Prep Units
- Washdown Systems
- Salt Water Desalination/SWRO
- Misting/Cooling/Fogging System

Pump Selector

Brass

PUMP MODEL	LPM	BAR (MAX)	50 Hz RPM		kW (AT MAX BAR)
			950	1450	
5CP4110CSS	7	276	•		3.9
3CP1130	7.5	152	•		2.3
5CP3105CSS	7.9	241	•		3.9
5CP4112CSS	8.5	276	•		4.7
740	9.1	345	•		6.4
5CP4114CSS	10	276	•		5.6
1810	11	689	•		15.3
3CP1140	11.4	152	•		3.5
760	11.4	345	•		8.0
5CP4116CSS	11.9	276	•		6.6
5CP2140WCS	12.6	172	•		4.4
3CP1120	13.3	152	•		4.1
5CP4118CSS	13.3	276	•		7.4
5CP3160CSS	13.5	241	•		6.6
5CP4120CSS	14.1	276	•		7.9
700	14.8	345	•		10.3
5CP3120CSS	15.1	207	•		6.3
5CP2150W	15.7	138	•		4.4
1570	16	414	•		13.4
5CP3150CSS	16.3	207	•		6.8
5CP5120	19	172	•		6.6
5CP5140CSS	20.1	207	•		8.4
5CP6120	23.6	83	•		4.0
56	25.2	172	•		8.8
56HS	25.2	206	•		12.3
1560	25.4	276	•		14.2
5CP6180CSS	25.7	103	•		5.4
5CP6190	31.5	83	•		5.3
7CP6110CS	33	138	•		9.2
7CP6160CS	33.2	172	•		11.6
1050	37.7	152	•		11.6
660	38	207	•		15.9
7CP6170	41.6	138	•		11.6
1530	59.3	103	•		12.4

316 Stainless Steel

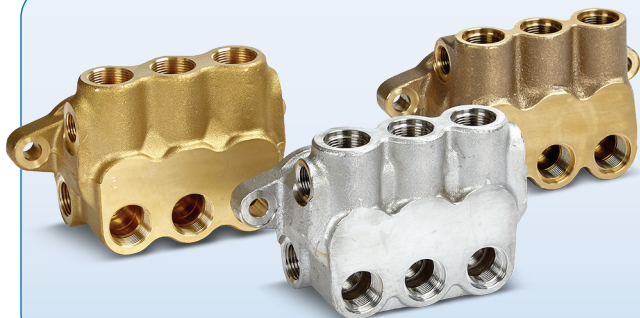
PUMP MODEL	LPM	BAR (MAX)	50 Hz RPM		kW (AT MAX BAR)
			950	1450	
3CP1231	7.5	138	•		2.1
784	9.1	345	•		6.4
3CP1241	11.4	138	•		3.2
786	11.4	345	•		8.0
5CPQ6241CS	12.6	138	•		3.5
3CP1221	13.2	138	•		3.7
781	14.8	345	•		10.3
3CP1211CS	15.7	117	•		3.7
5CPQ6521	15.7	138	•		4.4
5CPQ6261CSS	17.6	138	•		4.9
5CPQ6271CSS	21	124	•		5.3
5CPQ6221	23.6	83	•		4.0
661D	38	207	•		15.9
7CP6111CS	33	138	•		9.2
1051	37.7	152	•		11.6
7CP6171CS	39.9	138	•		11.1
1531	59.3	103	•		12.4

Nickel Aluminum Bronze

PUMP MODEL	LPM	BAR (MAX)	50 Hz RPM		kW (AT MAX BAR)
			950	1450	
237	7.1	103	•		1.5
247	11.3	103	•		2.4
347	12.5	124	•		3.1
277	13.2	69	•		1.8
357	15.7	103	•		3.3
1057	37.7	152	•		11.6



7CP6111CS
with Bell Housing and Motor



Manifold Materials

From pressure washers to salt water reverse osmosis to chemical injection and everything in between, Cat Pumps has the pump configuration to match the application. Manifolds are available in **Brass**, **Nickel Aluminum Bronze** and **Stainless Steel**, with several seal configuration options including NBR, EPDM, FPM and PTFE.

Mounting Components

Bell Housing Assembly

PUMP SERIES	MODELS	MOTOR FRAME	FLANGE TYPE	BELL HOUSING ASSEMBLY
3CP	All 3CP Models	90	B14	701890
		100-112	B14	701724
3FR	237, 240, 241, 247, 270, 271, 277	90	B14	30743
		100-112	B14	30738
5CP	All 5CP Models	100-112	B14	701730
		132	B14	704726
5FR	347, 350, 351, 357	100-112	B14	30715
		132	B14	709609
7CP	All 7CP Models	132	B14	703664
		160-180	B5	702580
7FR	56	132	B14	704717
		160-180	B5	704709
15FR	660, 661D, 1050, 1051, 1057, 1560, 1570, 1810	132	B14	761EC132.15FR
		160-180	B5	761EC180.15FR

Flexible Coupler Assembly

PUMP SERIES	MOTOR FRAME	FLEX COUPLER ASSY	SHAFT TO SHAFT	TORQUE (Nm)
3CP & 3FR	90	8245	16.5 x 24mm	36
	100-112	8251	16.5 x 28mm	30
5CP & 5FR	100-112	8254	20 x 28mm	30
	132	8256	20 x 38mm	124
7CP & 7FR	132	8257	24 x 38mm	124
	160	8258	24 x 42mm	203
15FR	132	8384	30 x 38mm	203
	160	8385	30 x 42mm	305
	180	8386	30 x 48mm	305



System Accessories

Maximum System Performance

Cat Pumps offers a wide range of accessories that meet the same exacting standards as its pumps. A pumping system's performance is as good as its weakest component, which is why accessory components are rigorously tested and evaluated. The goal is to provide the best system value by offering pumps and accessories that exceed performance and reliability expectations. Cat Pumps products offer the lowest possible life cycle cost.

Products:

- Pressure Controls
- Shut-off Gun
- Nozzles
- Pressure Gauges
- Pressure Switches
- Throttle Control
- Relief Valves
- Lances/Wands
- Pulsation Dampeners
- Inlet Filters
- Thermo Valves
- Jetters/Pulsation Attachments



Demand Genuine Cat Pumps Accessories

Custom Pumping Systems

For over 25 years, Cat Pumps has been the industry leader in providing custom-engineered pumping systems to meet a wide 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.



Advanced Control Options



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

Available Control Options

- 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)

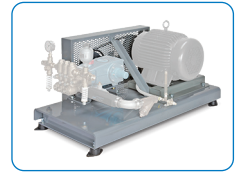
Other control options are available upon request.

System Configuration

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

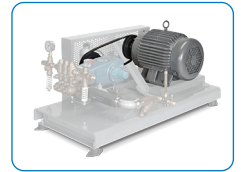
Base

System design starts with choosing the base that best fits the application. Numerous base configurations are available to meet space, portability, sound and material demands.



Power Source

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



Accessories

For optimum system performance and life, choose from hundreds of high-quality genuine Cat Pumps accessories.

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



Contact Cat Pumps for more information at intlsales@catpumps.com or (763) 780-5440



CAT PUMPS

1681 – 94TH LANE N.E. MINNEAPOLIS, MN 55449-4324
PHONE (763) 780-5440 — FAX (763) 780-2958
e-mail: info@catpumps.com
www.catpumps.com