

DIRECT DRIVE 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 25 HP (286TC) are available for pump configurations that include brass, nickel aluminum bronze or 316 stainless steel manifolds, with flow rates up to 19.3 gpm and pressures up to 6,000 psi. 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
- Available for 1180 and 1750 rpm motors
- 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

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

See our complete line of bell housings and other accessories at www.catpumps.com

Pump Selector

Brass

PUMP MODEL	GPM	PSI (MAX)	RPM		HP (AT MAX PSI)
			1180	1750	
5CP4110CSS	2.2	4000		•	6.0
3CP1130	2.4	2000		•	3.3
5CP3105CSS	2.5	3500		•	6.0
5CP4112CSS	2.7	4000		•	7.4
740	2.9	5000		•	9.9
5CP4114CSS	3.2	4000		•	8.8
3CP1140	3.6	2200		•	5.4
5CP3110CSS	3.6	3500		•	8.6
760	3.6	5000		•	12.3
5CP4116CSS	3.8	4000		•	10.4
5CP2140WCS	4.0	2500		•	6.8
3CP1120	4.2	2200		•	6.3
5CP4118CSS	4.2	4000		•	11.5
5CP3160CSS	4.3	3500		•	10.3
5CP4120CSS	4.5	4000		•	12.3
60	4.7	4000		•	12.9
700	4.7	5000		•	16.1
5CP3120CSS	4.8	3000		•	9.9
5CP2150W	5.0	2000		•	6.8
1570	5.2	6000	•		21.6
5CP5120	6.0	2500		•	10.3
5CP5140CSS	6.4	3000		•	13.8
5CP6120	7.4	1200		•	6.1
56	8.0	2500		•	13.7
5CP6180CSS	8.2	1500		•	8.4
660	8.3	3000	•		17.0
1560	8.3	4000	•		22.7
5CP6190	10.0	1200		•	8.2
7CP6110CS	10.5	2000		•	14.4
7CP6160CS	10.6	2500		•	18.2
1580	12	3000	•		24.7
1050	12.3	1800	•		15.2
1530	12.7	1500	•		13.0
1730	15.8	1500		•	16.2
1540E	19.3	1200	•		15.9

316 Stainless Steel

PUMP MODEL	GPM	PSI (MAX)	RPM		HP (AT MAX PSI)
			1180	1750	
3CP1231	2.3	2000		•	3.2
784	2.9	5000		•	9.9
3CP1241	3.6	2000		•	4.9
786	3.6	5000		•	12.3
5CPQ6241CS	4.0	2000		•	5.5
3CP1221	4.2	2000		•	5.8
781	4.7	5000		•	16.1
5CPQ6251	5.0	2000		•	6.8
5CPQ6261CSS	5.5	2000		•	7.5
5CPQ6271CSS	6.6	1800		•	8.1
5CPQ6221	7.4	1200		•	6.1
661D	8.3	3000	•		17
7CP6111CS	10.5	2000		•	14.4
1051	12.3	1800	•		15.2
1531	12.7	1500	•		13
1541	19.3	1200	•		15.9

Nickel Aluminum Bronze

PUMP MODEL	GPM	PSI (MAX)	RPM		HP (AT MAX PSI)
			1180	1750	
237	2.3	1500		•	2.4
247	3.6	1200		•	3.0
347	4.0	1800		•	4.9
277	4.2	1000		•	2.8
357	5.0	1500		•	5.1
1057	12.3	1800	•		15.2



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, PTFE.

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
3FR Series	230, 231, 237, 240, 241, 247, 270, 271, 277	56C – 145TC	76056.3FR
		182/184TC	76184.3FR
		213/215TC	76215.3FR
		56C – 145TC	76056.5CP
5CP Series	All 5CP Models	182/184TC	76184.5CP
		213/215TC	76215.5CP
		254/256TC	76256.5CP
		56C – 145TC	76056.5FR
5FR Series	340, 341, 347, 350, 351, 357	182/184TC	76184.5FR
		213/215TC	76215.5FR
		182/184TC	76184.7CP
7CP Series	All 7CP Models	213/215TC	76215.7CP
		254/256TC	76256.7CP
		182/184TC	76184.7FR
		213/215TC	76215.7FR
7FR/8FR Series	56 – 60, 700 – 760, 781–786	254/256TC	76256.7FR
		213/215TC	76215.15FR
		254/256TC	76256.15FR
		213/215TC	76215.15FR
15 FR Series	660, 1050, 1530 – 1580	254/256TC	76256.15FR
		284/286TC	76286.15FR

Flexible Coupler Assembly

PUMP SERIES	MOTOR FRAME	FLEX COUPLER ASSY	SHAFT TO SHAFT	TORQUE (LB-FT)
3CP & 3FR	56C	8215	16.5mm x 5/8"	3
	145TC	8210	16.5mm x 7/8"	3
	182/184TC	8220	16.5mm x 1 1/8"	3
	182/184TC	8225	16.5mm x 1 1/8"	10
	213/215TC	8270	16.5mm x 1 3/8"	20
5CP & 5FR	56C	8261	20mm x 5/8"	10
	145TC	8260	20mm x 7/8"	10
	182/184TC	8230	20mm x 1 1/8"	10
	213/215TC	8275	20mm x 1 3/8"	20
	245/256TC	8217	20mm x 1 5/8"	20
7CP & 7FR	182/184TC	8370	24mm x 1 1/8"	10
	213/215TC	8375	24mm x 1 3/8"	10
	254/256TC	8380	24mm x 1 5/8"	20
15FR	213/215TC	8388	30mm x 1 3/8"	150
	254/256TC	8382	30mm x 1 5/8"	150
	284/286TC	8383	30mm x 1 7/8"	225



Motors

1750 RPM Motors

MOTOR	HORSE POWER	FRAME	SHAFT
899302	3	182TC	1 1/4"
996543	5	182TC	1 1/4"
999436	7.5	213TC	1 3/8"
999377	10	215TC	1 3/8"
994001	15	256TC	1 7/8"
997645	20	256TC	1 7/8"

1180 RPM Motors

MOTOR	HORSE POWER	FRAME	SHAFT
994274	5	215TC	1 3/8"
994975	7.5	254TC	1 5/8"
994910	10	256TC	1 5/8"
994915	15	284TC	1 7/8"
994920	20	286TC	1 7/8"

Common Motor Specifications

PHASE	3
VOLTAGE	(208 – 230/460)
HERTZ	60
ENCLOSURE	TEFC
MANUFACTURER	WEG
SERIES	W22

Contact techsupport@catpumps.com for more motor options.



"C" face motors up to 20 HP
In stock for fast delivery.

Custom Engineered Power Units

You define. We design.

Cat Pumps also offers custom engineered systems (power units) that are designed to meet your requirements. All units are factory flow and pressure tested before shipment. Complete our Power Unit Quote Form online or call for a quote.

Design Features:

- Electric, gas, diesel, hydraulic and pneumatic drive options
- Heavy-duty construction
- Compact, streamline design
- Various control options to meet application needs
- Stationary or portable design
- Corrosion-resistant options
- System accessories



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

CAT PUMPS

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