

Pump Catalog



"The Pumps with Nine Lives"



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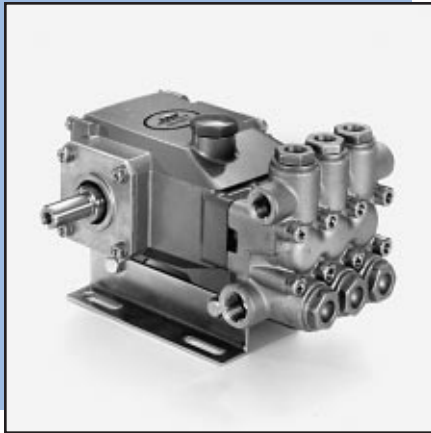
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CP Plunger Pumps

Standard 3CP1120



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4.2 GPM	(16.0 L/M)
Discharge Pressure	100 to 2200 PSI	(7 to 155 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1725 RPM	(1725 RPM)
Horsepower	6.3 HP	(6.3 HP)
Bore	0.709"	(18 mm)
Stroke.....	0.500"	(12.7 mm)
Crankcase Capacity.....	11.8 oz.	(.35 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (D-End)	0.650"	(16.5 mm)
Weight.....	14.84 lbs.	(6.7 kg)
Dimensions	9.1" x 8.77" x 5.47"	(231 x 223 x 139 mm)

For Gas Drive see CP Gearbox Pumps - Model 3CP1120G.

Optional FPM Elastomers.

3CP

Direct and Belt Drive

Standard 3CP1130



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	2.4 GPM	(9.0 L/M)
Discharge Pressure	100 to 2200 PSI	(7 to 155 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1725 RPM	(1725 RPM)
Horsepower	3.5 HP	(3.5 HP)
Bore	0.709"	(18 mm)
Stroke.....	0.276"	(7 mm)
Crankcase Capacity.....	11.8 oz.	(.35 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (D-End)	0.650"	(16.5 mm)
Weight.....	14.84 lbs.	(6.7 kg)
Dimensions	9.1" x 8.77" x 5.47"	(231 x 223 x 139 mm)

Optional FPM Elastomers.

3CP

Direct and Belt Drive

Standard 3CP1140



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	3.6 GPM	(13.6 L/M)
Discharge Pressure	100 to 2200 PSI	(7 to 155 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1725 RPM	(1725 RPM)
Horsepower	5.4 HP	(5.4 HP)
Bore	0.709"	(18 mm)
Stroke.....	0.433"	(11 mm)
Crankcase Capacity.....	11.8 oz.	(.35 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (D-End)	0.650"	(16.5 mm)
Weight.....	14.84 lbs.	(6.7 kg)
Dimensions	9.1" x 8.77" x 5.47"	(231 x 223 x 139 mm)

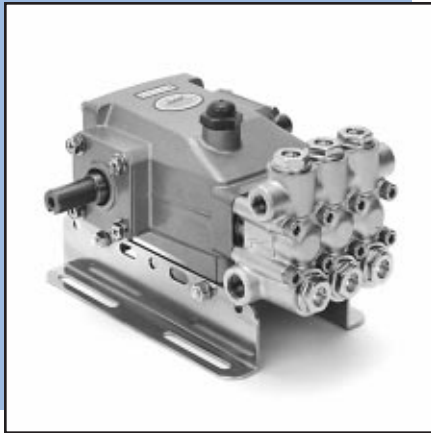
Optional FPM Elastomers.

3CP

Direct and Belt Drive

CP Plunger Pumps

Standard **5CP2120W**



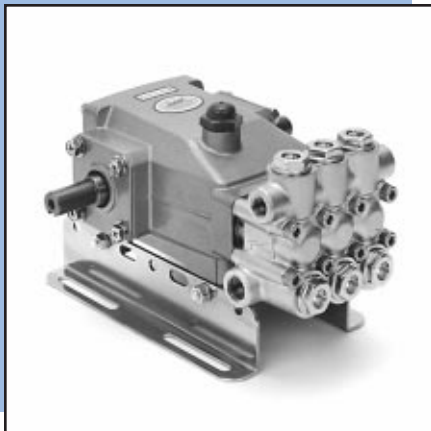
SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4 GPM	(15 L/M)
Discharge Pressure	100 to 2500 PSI	(7 to 175 BAR)
Inlet Pressure	-5 to 60 PSI	(-0.35 to 4 BAR)
RPM	950 RPM	(950 RPM)
Horsepower	6.9 HP	(6.9 HP)
Bore	0.787"	(20 mm)
Stroke.....	0.709"	(18 mm)
Crankcase Capacity	17 oz.	(0.53 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (D-End)	0.787"	(20 mm)
Weight.....	19.14 lbs.	(8.7 kg)
Dimensions	10.35" x 10.0" x 5.78"	(263 x 254 x 147 mm)

Optional FPM Elastomers.

5CP
Belt Drive

Standard **5CP2140WCS**



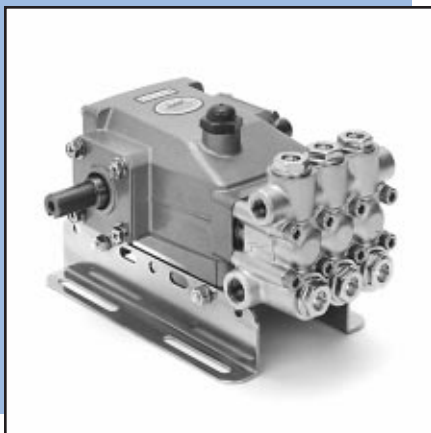
SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4 GPM	(15 L/M)
Discharge Pressure	100 to 2500 PSI	(7 to 175 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1725 RPM	(1725 RPM)
Horsepower	6.9 HP	(6.9 HP)
Bore	0.787"	(20 mm)
Stroke.....	0.394"	(10 mm)
Crankcase Capacity	17 oz.	(0.53 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (S-End).....	0.787"	(20 mm)
Weight.....	19.14 lbs.	(8.7 kg)
Dimensions	10.35" x 10.0" x 5.78"	(263 x 254 x 147 mm)

Optional FPM Elastomers.

5CP
Direct and
Belt Drive

Standard **5CP2150W**



SPECIFICATIONS

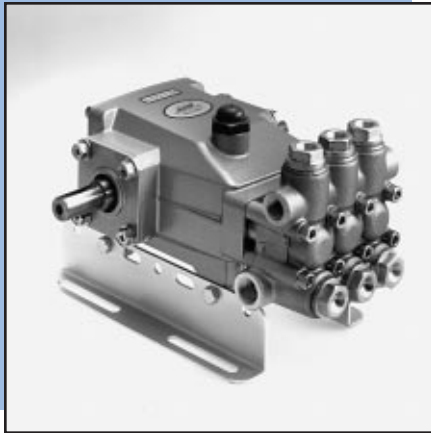
	U.S. Measure	Metric Measure
Flow	5 GPM	(19 L/M)
Discharge Pressure	100 to 2500 PSI	(7 to 175 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1725 RPM	(1725 RPM)
Horsepower	8.6 HP	(8.6 HP)
Bore	0.787"	(20 mm)
Stroke.....	0.472"	(12 mm)
Crankcase Capacity	17 oz.	(0.53 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (D-End)	0.787"	(20 mm)
Weight.....	19.14 lbs.	(8.7 kg)
Dimensions	10.35" x 10.0" x 5.78"	(263 x 254 x 147 mm)

Optional FPM Elastomers.

5CP
Direct and
Belt Drive

CP Plunger Pumps

Standard **5CP3120**



SPECIFICATIONS

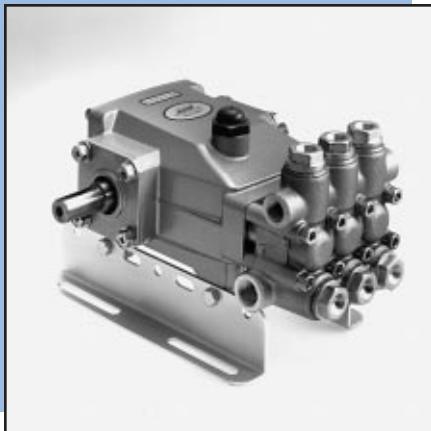
	U.S. Measure	Metric Measure
Flow	4.5 GPM	(17 L/M)
Discharge Pressure	100 to 3500 PSI	(7 to 245 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1645 RPM	(1645 RPM)
Horsepower	10.8 HP	(10.8 HP)
Bore	0.630"	(16 mm)
Stroke.....	0.709"	(18 mm)
Crankcase Capacity	17 oz.	(0.53 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (D-End)	0.787"	(20 mm)
Weight.....	20.02 lbs.	(9.1 kg)
Dimensions	10.35" x 10.0" x 5.78"	(263 x 254 x 147 mm)

For Gas Drive see CP Gearbox Pumps - Model 5CP3120G1.

Optional FPM Elastomers.

5CP
Belt Drive

Standard **5CP5120**



SPECIFICATIONS

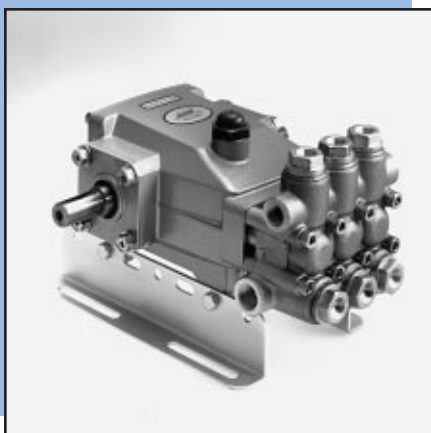
	U.S. Measure	Metric Measure
Flow	5 GPM	(19 L/M)
Discharge Pressure	100 to 3000 PSI	(7 to 210 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1415 RPM	(1415 RPM)
Horsepower	10.3 HP	(10.3 HP)
Bore	0.709"	(18 mm)
Stroke.....	0.709"	(18 mm)
Crankcase Capacity	17 oz.	(0.53 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (D-End)	0.787"	(20 mm)
Weight.....	20.02 lbs.	(9.1 kg)
Dimensions	10.35" x 10.0" x 5.78"	(263 x 254 x 147 mm)

For Gas Drive see CP Gearbox Pumps - Model 5CP5150G1.

Optional FPM Elastomers.

5CP
Belt Drive

Standard **5CP6120**



SPECIFICATIONS

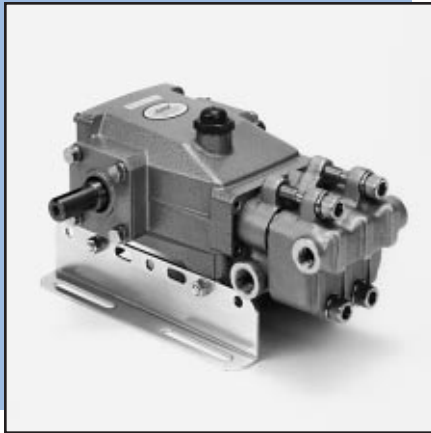
	U.S. Measure	Metric Measure
Flow	6 GPM	(23 L/M)
Discharge Pressure	100 to 1600 PSI	(7 to 110 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1450 RPM	(1450 RPM)
Horsepower	6.6 HP	(6.6 HP)
Bore	0.787"	(20 mm)
Stroke.....	0.709"	(18 mm)
Crankcase Capacity	17 oz.	(0.53 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (D-End)	0.787"	(20 mm)
Weight.....	20.02 lbs.	(9.1 kg)
Dimensions	10.82" x 10.0" x 5.78"	(275 x 254 x 147 mm)

Optional FPM Elastomers.

5CP
Belt Drive

CP Plunger Pumps

Stainless Steel **5CP6121**



SPECIFICATIONS

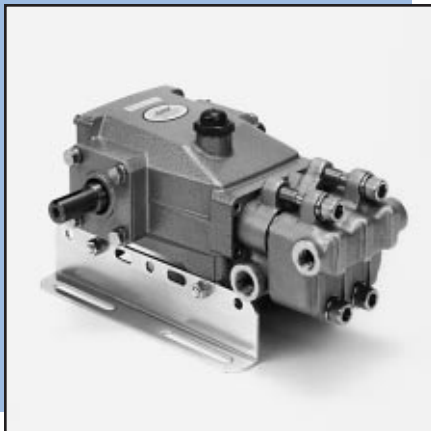
	U.S. Measure	Metric Measure
Flow	6 GPM	(23 L/M)
Discharge Pressure	100 to 1600 PSI	(7 to 110 BAR)
Inlet Pressure	- 5 to 60 PSI	(- 0.35 to 4 BAR)
RPM	1450 RPM	(1450 RPM)
Horsepower	6.6 HP	(6.6 HP)
Bore	0.787"	(20 mm)
Stroke.....	0.709"	(18 mm)
Crankcase Capacity	17 oz.	(0.53 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (D-End)	0.787"	(20 mm)
Weight.....	20 lbs.	(9.1 kg)
Dimensions	10.82" x 10.0" x 5.78"	(275 x 254 x 147 mm)

Optional FPM and EPDM Elastomers.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

5CP
Belt Drive

Stainless Steel **5CP6141**



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4 GPM	(15 L/M)
Discharge Pressure	100 to 1600 PSI	(7 to 110 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1725 RPM	(1725 RPM)
Horsepower	4.4 HP	(4.4 HP)
Bore	0.787"	(20 mm)
Stroke.....	0.394"	(10 mm)
Crankcase Capacity	17 oz.	(0.53 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (S-End).....	0.787"	(20 mm)
Weight.....	20 lbs.	(9.1 kg)
Dimensions	10.82" x 10.0" x 5.78"	(275 x 254 x 147 mm)

Optional FPM and EPDM Elastomers.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

5CP
Direct and
Belt Drive

Stainless Steel **5CP6151**



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	5 GPM	(19 L/M)
Discharge Pressure	100 to 1600 PSI	(7 to 110 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1725 RPM	(1725 RPM)
Horsepower	5.5 HP	(5.5 HP)
Bore	0.787"	(20 mm)
Stroke.....	0.472"	(12 mm)
Crankcase Capacity	17 oz.	(0.53 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (S-End).....	0.787"	(20 mm)
Weight.....	20 lbs.	(9.1 kg)
Dimensions	10.82" x 10.0" x 5.78"	(275 x 254 x 147 mm)

Optional FPM and EPDM Elastomers.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

5CP
Direct and
Belt Drive

Plunger Pumps

Standard 230 Stainless Steel 231 Nickel Aluminum Bronze 237



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	2.3 GPM	(8.7 L/M)
Discharge Pressure	100 to 1500 PSI	(7 to 105 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1725 RPM	(1725 RPM)
Horsepower	2.4 HP	(2.4 HP)
Bore	0.709"	(18 mm)
Stroke.....	0.276"	(7 mm)
Crankcase Capacity	10 oz.	(0.3 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (D-End)	0.650"	(16.5 mm)
Weight.....	14.4 lbs.	(6.5 kg)
Dimensions	10.24" x 8.79" x 5.35"	(260 x 223 x 136 mm)

All parts for the Standard and Nickel Aluminum Bronze models are not interchangeable. See operators manual for parts clarification. Refer to BD Motorized Pump Unit data sheet for additional information.

3 FRAME

Direct and Belt Drive

Standard 240 Stainless Steel 241 Nickel Aluminum Bronze 247



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	3.6 GPM	(13.6 L/M)
Discharge Pressure	100 to 1200 PSI	(7 to 85 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1725 RPM	(1725 RPM)
Horsepower	3.0 HP	(3.0 HP)
Bore	0.709"	(18 mm)
Stroke.....	0.433"	(11 mm)
Crankcase Capacity	10 oz.	(0.3 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (D-End)	0.650"	(16.5 mm)
Weight.....	14.4 lbs.	(6.5 kg)
Dimensions	10.24" x 8.79" x 5.35"	(260 x 223 x 136 mm)

All parts for the Standard and Nickel Aluminum Bronze models are not interchangeable. See operators manual for parts clarification. Refer to BD Motorized Pump Unit data sheet for additional information.

3 FRAME

Direct and Belt Drive

Standard 270 Stainless Steel 271 Nickel Aluminum Bronze 277



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow.....	4.2 GPM*	(16 L/M)
Discharge Pressure	100 to 1000 PSI	(7 to 70 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 Bar)
RPM	1725 RPM	(1725 RPM)
Horsepower	2.9 HP	(2.9 HP)
Bore	0.709"	(18 mm)
Stroke.....	0.512"	(13 mm)
Crankcase Capacity	10 oz.	(0.3 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (D-End)	0.650"	(16.5 mm)
Weight.....	14.4 lbs.	(6.5 kg)
Dimensions	10.24" x 8.79" x 5.35"	(260 x 223 x 136 mm)

* Intermittent duty, freshwater only.

All parts for the Standard and Nickel Aluminum Bronze models are not interchangeable. See operators manual for parts clarification. Refer to BD Motorized Pump Unit data sheet for additional information.

3 FRAME

Direct and Belt Drive

Plunger Pumps

Standard 310 *Stainless Steel* **311** *Nickel Aluminum Bronze* **317** *O.E.M.* **31**



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4 GPM	(15 L/M)
Discharge Pressure	100 to 2200 PSI	(7 to 155 BAR)
Inlet Pressure	-5 to +60 PSI	(-0.35 to +4 Bar)
RPM	950 RPM	(950 RPM)
Horsepower	6.0 HP	(6.0 HP)
Bore	0.787"	(20 mm)
Stroke	0.709"	(18 mm)
Crankcase Capacity	18 oz.	(0.55 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (D-End) (O.E.M. S-End, Right)	0.787"	(20 mm)
Weight	19.8 lbs.	(9 kg)
Dimensions - Standard	11.69" x 10.0" x 5.28"	(297 x 254 x 134 mm)
Dimensions - O.E.M.	11.5" x 8.35" x 5.28"	(292 x 212 x 134 mm)

5 FRAME

Belt Drive

ALTERNATE SPECIFICATIONS

Flow	5.0 GPM	(19 L/M)
Discharge Pressure	100 to 1500 PSI	(7 to 105 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1190 RPM	(1190 RPM)
Horsepower	5.2 HP	(5.2 HP)

Optional FPM Elastomers.

All parts for the Standard and Nickel Aluminum Bronze models are not interchangeable. See operators manual for parts clarification.

Standard 340 *Stainless Steel* **341** *Nickel Aluminum Bronze* **347** *O.E.M.* **34**



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4 GPM	(15 L/M)
Discharge Pressure	100 to 1800 PSI	(7 to 125 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1725 RPM	(1725 RPM)
Horsepower	5.0 HP	(5.0 HP)
Bore	0.787"	(20 mm)
Stroke	0.394"	(10 mm)
Crankcase Capacity	18 oz.	(0.55 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (S-End) (O.E.M. S-End, Right)	0.787"	(20 mm)
Weight	19.8 lbs.	(9 kg)
Dimensions - Standard	11.69" 10.0" x 5.28"	(297 x 254 x 134 mm)
Dimensions - O.E.M.	11.5" x 8.35" x 5.28"	(292 x 212 x 134 mm)

5 FRAME

Direct and Belt Drive

Optional FPM Elastomers.

All parts for the Standard and Nickel Aluminum Bronze models are not interchangeable. See operators manual for parts clarification. Refer to BD Motorized Pump Unit data sheet for additional information.

Standard 350 *Stainless Steel* **351** *Nickel Aluminum Bronze* **357** *O.E.M.* **35**



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	5 GPM	(19 L/M)
Discharge Pressure	100 to 1500 PSI	(7 to 105 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1725 RPM	(1725 RPM)
Horsepower	5.2 HP	(5.2 HP)
Bore	0.787"	(20 mm)
Stroke	0.472"	(12 mm)
Crankcase Capacity	18 oz.	(0.55 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (D-End) (O.E.M. S-End, Right)	0.787"	(20 mm)
Weight	19.8 lbs.	(9 kg)
Dimensions - Standard	11.69" x 10.0" x 5.28"	(297 x 254 x 134 mm)
Dimensions - O.E.M.	11.5" x 8.35" x 5.28"	(292 x 212 x 134 mm)

5 FRAME

Direct and Belt Drive

Optional FPM Elastomers.

All parts for the Standard and Nickel Aluminum Bronze models are not interchangeable. See operators manual for parts clarification. Refer to BD Motorized Pump Unit data sheet for additional information.

Plunger Pumps

O.E.M. 45



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4 GPM	(15 L/M)
Discharge Pressure	100 to 3500 PSI	(7 to 245 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 Bar)
RPM	1455 RPM	(1455 RPM)
Horsepower	9.6 HP	(9.6 HP)
Bore	0.630"	(16 mm)
Stroke.....	0.708"	(18 mm)
Crankcase Capacity	18 oz.	(0.55 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (O.E.M. S-End, Right)	0.787"	(20 mm)
Weight.....	20.9 lbs.	(9.5 kg)
Dimensions	12.0" x 8.35" x 5.5"	(304.5 x 212 x 139 mm)

For Gas Drive see Gearbox Pumps - Models 45G1 and 45G118.

Optional FPM Elastomers.

5 FRAME
Belt Drive

Standard 530 O.E.M. 53 O.E.M. 58



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	5 GPM	(19 L/M)
Discharge Pressure	100 to 2500 PSI	(7 to 175 BAR)
Inlet Pressure	-5 to +60 PSI	(-0.35 to +4 BAR)
RPM.....	1100 RPM	(1100 RPM)
Horsepower	8.6 HP	(8.6 HP)
Bore	0.708"	(18 mm)
Stroke.....	0.945"	(24 mm)
Crankcase Capacity	25 oz.	(0.75 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (D-End) (O.E.M. S-End, Right)	0.945"	(24 mm)
Weight.....	25.5 lbs.	(11.5 kg)
Dimensions (530).....	13.6" x 9.61" x 6.41"	(346 x 244 x 163 mm)
Dimensions (53, 58).....	13.6" x 8.23" x 6.41"	(346 x 209 x 163 mm)

For Gas Drive see Gearbox Pumps - Models 58G1 and 58G118.

Optional FPM Elastomers.

7 FRAME
Belt Drive

Standard 550 O.E.M. 55 O.E.M. 51



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	5 GPM	(19 L/M)
Discharge Pressure	100 to 3000 PSI	(7 to 210 BAR)
Inlet Pressure	-5 to +60 PSI	(-0.35 to +4 BAR)
RPM	1415 RPM	(1415 RPM)
Horsepower	10.3 HP	(10.3 HP)
Bore	0.630"	(16 mm)
Stroke.....	0.945"	(24 mm)
Crankcase Capacity	25 oz.	(0.75 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (D-End) (O.E.M. S-End, Right)	0.945"	(24 mm)
Weight.....	25.5 lbs.	(11.5 kg)
Dimensions (550).....	13.6" x 9.61" x 6.41"	(346 x 244 x 163 mm)
Dimensions (51, 55).....	13.6" x 8.23" x 6.41"	(346 x 209 x 163 mm)

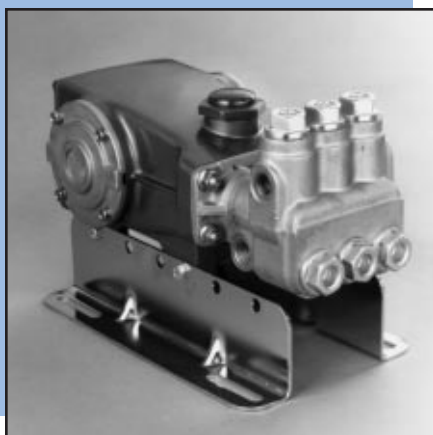
For Gas Drive see Gearbox Pumps - Models 51G1 and 51G118.

Optional FPM Elastomers.

7 FRAME
Belt Drive

Plunger Pumps

O.E.M. 56



SPECIFICATIONS

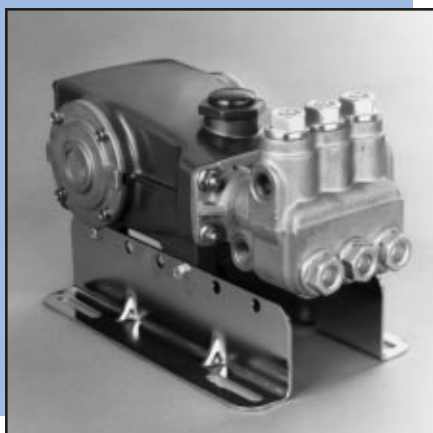
	U.S. Measure	Metric Measure
Flow	5.5 GPM	(21 L/M)
Discharge Pressure	100 to 3500 PSI	(7 to 245 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1210 RPM	(1210 RPM)
Horsepower	13.2 HP	(13.2 HP)
Bore	0.708"	(18 mm)
Stroke	0.945"	(24 mm)
Crankcase Capacity	25 oz.	(0.75 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (O.E.M. S-End, Right)	0.945"	(24 mm)
Weight	25.5 lbs.	(11.5 kg)
Dimensions	13.9" x 8.23" x 6.41"	(353 x 209 x 163 mm)

For Gas Drive see Gearbox Pumps - Models 56G1, 56G118, 59G1 and 59G118.

Optional FPM Elastomers.

7 FRAME
Belt Drive

O.E.M. 57



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4.5 GPM	(17 L/M)
Discharge Pressure	100 to 4000 PSI	(7 to 275 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1285 RPM	(1285 RPM)
Horsepower	12.3 HP	(12.3 HP)
Bore	0.708"	(18 mm)
Stroke	0.728"	(18.5 mm)
Crankcase Capacity	25 oz.	(0.75 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (O.E.M. S-End, Right)	0.945"	(24 mm)
Weight	25.5 lbs.	(11.5 kg)
Dimensions	13.9" x 8.23" x 65.41"	(353 x 209 x 163 mm)

For Gas Drive see Gearbox Pumps - Models 60G1 and 60G118.

Optional FPM Elastomers.

7 FRAME
Belt Drive

O.E.M. 70



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4.5 GPM	(17 L/M)
Discharge Pressure	100 to 5000 PSI	(7 to 345 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM	1700 RPM	(1700 RPM)
Horsepower	15.4 HP	(15.4 HP)
Bore	0.551"	(14 mm)
Stroke	0.945"	(24 mm)
Crankcase Capacity	25 oz.	(0.75 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (O.E.M. S-End, Right)	0.945"	(24 mm)
Weight	38 lbs.	(17.2 kg)
Dimensions	14.02" x 8.20" x 6.54"	(356 x 208 x 166 mm)

For Gas Drive see Gearbox Pumps - Models 70G1 and 70G118.

Optional FPM Elastomers.

7 FRAME
Belt Drive

Plunger Pumps

Stainless Steel **781** Block-Style Manifolds **781K** Flushed-Style Manifolds



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4.5 GPM	(17 L/M)
Discharge Pressure.....	100 to 5000 PSI	(7 to 345 BAR)
Inlet Pressure.....	Flooded to 40 PSI*	(Flooded to 2.8 BAR)
RPM.....	1700 RPM	(1700 RPM)
Horsepower	15.4 HP	(15.4 HP)
Bore	0.551"	(14 mm)
Stroke	0.945"	(24 mm)
Crankcase Capacity.....	25 oz.	(0.75 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2).....	1/2" NPTF	(1/2" NPTF)
Flushing Ports (2).....	1/4" NPTF	(1/4" NPTF)
Outlet Ports (2).....	3/8" NPTF	(3/8" NPTF)
Shaft Diameter (S-End, Right).....	0.945"	(24 mm)
Weight	48.1 lbs.	(21.8 kg)
Dimensions.....	13.16" x 8.818" x 6.05"	(334 x 208 x 154 mm)

7 FRAME

Optional FPM Elastomers

* "K" Models have special inlet ports for flushing and cooling and are suitable for high inlet pressure fluids. Call for clarification.

Standard **650** Stainless Steel **651**



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	7 GPM	(27 L/M)
Discharge Pressure.....	100 to 3000 PSI	(7 to 210 BAR)
Inlet Pressure	-5 to +60 PSI	(-0.35 to +4 BAR)
RPM.....	1000 RPM	(1000 RPM)
Horsepower	14.4 HP	(14.4 HP)
Bore	0.787"	(20 mm)
Stroke	1.181"	(30 mm)
Crankcase Capacity.....	42 oz.	(1.26 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2).....	3/4" NPTF	(3/4" NPTF)
Outlet Ports (2).....	1/2" NPTF	(1/2" NPTF)
Shaft Diameter (D-End).....	1.181"	(30 mm)
Weight	44 lbs.	(19.9 kg)
Dimensions (650)	16.14" x 12.99" x 6.46"	(410 x 330 x 164 mm)
Dimensions (651)	15.83" x 12.99" x 6.46"	(402 x 330 x 164 mm)

15 FRAME

Optional FPM and EPDM Elastomers.

All parts for the Standard and Stainless Steel models are not interchangeable. See operators manual for parts clarification.

Standard **660** Stainless Steel **661**



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow.....	10 GPM*	(38 L/M)
Discharge Pressure	100 to 3000 PSI*	(7 to 210 BAR)
Inlet Pressure.....	+10 to +60 PSI	(+0.7 to +4 BAR)
RPM	1429 RPM	(1429 RPM)
Horsepower	20.6 HP	(20.6 HP)
Bore	0.787"	(20 mm)
Stroke.....	1.181"	(30 mm)
Crankcase Capacity	42 oz.	(1.26 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (2)	3/4" NPTF	(3/4" NPTF)
Outlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Shaft Diameter (D-End)	1.181"	(30 mm)
Weight.....	44 lbs.	(19.9 kg)
Dimensions (660).....	16.14" x 12.99" x 6.46"	(410 x 330 x 164 mm)
Dimensions (661).....	15.83" x 12.99" x 6.46"	(402 x 330 x 164 mm)

15 FRAME

* Intermittent duty operation. Frequent cycle with dump gun only.

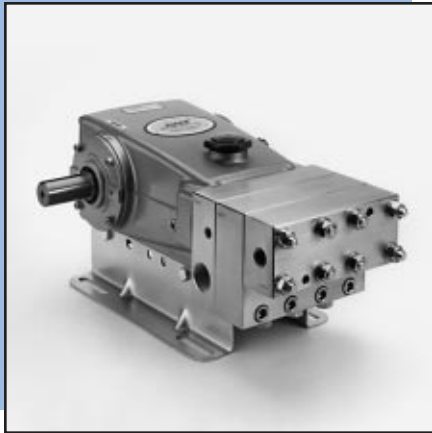
All parts for the Standard and Stainless Steel models are not interchangeable. See operators manual for parts clarification.

Plunger Pumps

Stainless Steel

681 Block-Style Manifolds

681K Flushed-Style Manifolds



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	7 GPM	(27 L/M)
Discharge Pressure.....	100 to 3000 PSI	(7 to 210 BAR)
Inlet Pressure	Flooded to 60 PSI*	(Flooded to 4 BAR)
RPM.....	1000 RPM	(1000 RPM)
Horsepower	14.4 HP	(14.4 HP)
Bore	0.787"	(20 mm)
Stroke	1.181"	(30 mm)
Crankcase Capacity	42 oz.	(1.26 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2).....	1" NPTF	(1" NPTF)
Flushing Ports (2).....	1/4" NPTF	(1/4" NPTF)
Outlet Ports (2).....	1/2" NPTF	(1/2" NPTF)
Shaft Diameter (D-End).....	1.181"	(30 mm)
Weight	67 lbs.	(30.4 kg)
Dimensions.....	18.37" x 12.99" x 6.49"	(450 x 330 x 165 mm)

15 FRAME

* "K" Models have special inlet ports for flushing and cooling and are suitable for high inlet pressure fluids. Call for clarification.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Standard

1050 Stainless Steel

1051 Nickel Aluminum Bronze

1057



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	10 GPM	(38 L/M)
Discharge Pressure	100 to 2200 PSI	(7 to 155 BAR)
Inlet Pressure	-5 to +60 PSI	(-0.35 to +4 Bar)
RPM.....	958 RPM	(958 RPM)
Horsepower	15.1 HP	(15.1 HP)
Bore	0.945"	(24 mm)
Stroke	1.181"	(30 mm)
Crankcase Capacity	42 oz.	(1.26 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2).....	3/4" NPTF	(3/4" NPTF)
Outlet Ports (2).....	1/2" NPTF	(1/2" NPTF)
Shaft Diameter (D-End).....	1.181"	(30 mm)
Weight	44 lbs.	(19.9 kg)
Dimensions.....	15.83" x 12.99" x 6.46"	(402 x 330 x 164 mm)

15 FRAME

ALTERNATE SPECIFICATIONS

Flow	12 GPM*	(45 L/M)
Discharge Pressure	100 to 1800 PSI*	(7 to 125 BAR)
Inlet Pressure - *C.A.T. Required	20 to 60 PSI*	(1.4 to 4 Bar)
RPM	1150 RPM*	(1150 RPM)
Horsepower	14.8 HP*	(14.8 HP)
Max. Fluid Temperature	100°F*	(38°C)

Optional FPM and EPDM Elastomers.

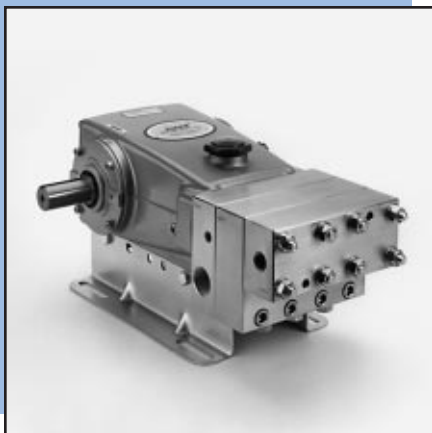
All parts for the Standard, Stainless Steel and Nickel Aluminum Bronze models are not interchangeable. See operators manual for parts clarification.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Stainless Steel

1851 Block-Style Manifolds

1851K Flushed-Style Manifolds



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	10 GPM	(38 L/M)
Discharge Pressure	100 to 2200 PSI	(7 to 155 BAR)
Inlet Pressure	Flooded to 60 PSI*	(Flooded to 4 BAR)
RPM.....	958 RPM	(958 RPM)
Horsepower.....	15.1 HP	(15.1 HP)
Bore	0.945"	(24 mm)
Stroke.....	1.180"	(30 mm)
Crankcase Capacity	42 oz.	(1.26 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2).....	1" NPTF	(1" NPTF)
Flushing Ports (2).....	1/4" NPTF	(1/4" NPTF)
Outlet Ports (2).....	1/2" NPTF	(1/2" NPTF)
Shaft Diameter (D-End).....	1.180"	(30 mm)
Weight	67 lbs.	(30.4 kg)
Dimensions.....	18.37" x 12.99" x 6.49"	(450 x 330 x 165 mm)

18 FRAME

ALTERNATE SPECIFICATIONS

Flow	12 GPM*	(45 L/M)
Discharge Pressure	100 to 1800 PSI*	(7 to 125 BAR)
Inlet Pressure - *C.A.T. Required	20 to 50 PSI	(1.4 to 3.5 BAR)
RPM	1150 RPM*	(1150 RPM)
Max. Fluid Temperature.....	100°F*	(38°C)

Optional FPM and EPDM Elastomers.

* "K" Models have special inlet ports for flushing and cooling and are suitable for high inlet pressure fluids. Call for clarification.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Plunger Pumps

Standard **2530** *Nickel Aluminum Bronze* **2537**



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	21 GPM	(80 L/M)
Discharge Pressure	100 to 1200 PSI	(7 to 85 BAR)
Inlet Pressure	Flooded to 70 PSI	(Flooded to 4.9 Bar)
RPM	914 RPM	(914 RPM)
Horsepower	17.3 HP	(17.3 HP)
Bore	1.260"	(32 mm)
Stroke	1.516"	(38.5 mm)
Crankcase Capacity	84 oz.	(2.5 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2)	1-1/4" NPTF	(1-1/4" NPTF)
Outlet Ports (2)	3/4" NPTF	(3/4" NPTF)
Shaft Diameter (D-End)	1.181"	(30 mm)
Weight	82 lbs.	(37.1 kg)
Dimensions	19.09" x 15.04" x 7.80"	(485 x 382 x 198 mm)

25 FRAME

Optional FPM and EPDM Elastomers.

All parts for the Standard and Nickel Aluminum Bronze models are not interchangeable. See operators manual for parts clarification.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Stainless Steel **2831** *Block-Style Manifolds* **2831K** *Flushed-Style Manifolds*



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	21 GPM	(80 L/M)
Discharge Pressure	100 to 1200 PSI	(7 to 85 BAR)
Inlet Pressure	Flooded to 70 PSI*	(Flooded to 4.9 BAR)
RPM	914 RPM	(914 RPM)
Horsepower	17.3 HP	(17.3 HP)
Bore	1.260"	(32 mm)
Stroke	1.516"	(38.5 mm)
Crankcase Capacity	84 oz.	(2.5 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2)	1-1/4" NPTF	(1-1/4" NPTF)
Flushing Ports (2)	1/4" NPTF	(1/4" NPTF)
Outlet Ports (2)	3/4" NPTF	(3/4" NPTF)
Shaft Diameter (D-End)	0.1.181"	(30 mm)
Weight	82 lbs.	(37.1 kg)
Dimensions	18.98" x 15.04" x 10.08"	(482 x 382 x 256 mm)

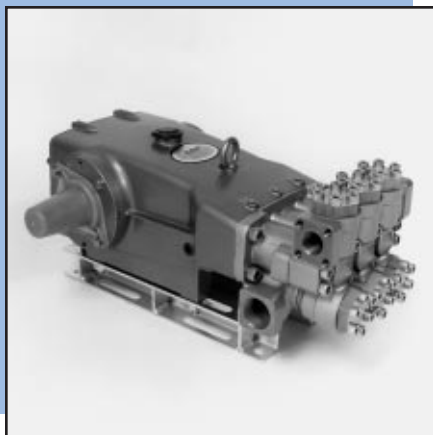
28 FRAME

Optional EPDM Elastomers.

* "K" Models have special inlet ports for flushing and cooling and are suitable for high inlet pressure fluids. Call for clarification.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Nickel Aluminum Bronze **3507**



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	9 GPM	(34 L/M)
Discharge Pressure	100 to 5000 PSI	(7 to 345 BAR)
Inlet Pressure	Flooded to 70 PSI	(Flooded to 4.9 BAR)
RPM	800 RPM	(800 RPM)
Horsepower	30.9 HP	(30.9 HP)
Bore	0.787"	(20 mm)
Stroke	1.890"	(48 mm)
Crankcase Capacity	4.2 Qts.	(4 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2)	1-1/2" NPTF	(1-1/2" NPTF)
Outlet Ports (2)	3/4" NPTF	(3/4" NPTF)
Shaft Diameter (D-End)	1.378"	(35 mm)
Weight	152 lbs.	(69 kg)
Dimensions	24.61" x 18.11" x 9.33"	(625 x 460 x 237 mm)

35 FRAME

Optional FPM Elastomers.

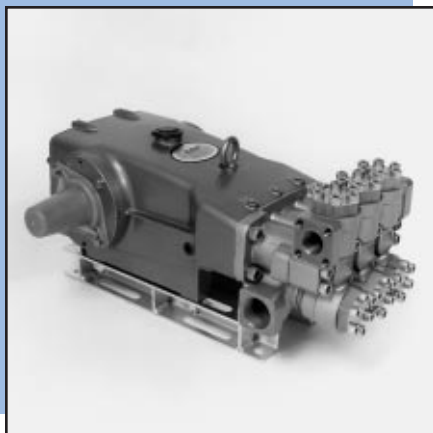
Add "F" to model number for Cast Iron crankcase.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Plunger Pumps

Nickel
Aluminum
Bronze

3517



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	14 GPM	(53 L/M)
Discharge Pressure	100 to 3000 PSI	(7 to 210 BAR)
Inlet Pressure	Flooded to 70 PSI	(Flooded to 4.9 BAR)
RPM	800 RPM	(800 RPM)
Horsepower	28.8 HP	(28.8 HP)
Bore	0.984"	(25 mm)
Stroke	1.890"	(48 mm)
Crankcase Capacity	4.2 Qts.	(4 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2)	1-1/2" NPTF	(1-1/2" NPTF)
Outlet Ports (2)	1" NPTF	(1" NPTF)
Shaft Diameter (D-End)	1.378"	(35 mm)
Weight	152 lbs.	(69 kg)
Dimensions	24.61" x 18.11" x 9.33"	(625 x 460 x 237 mm)

35 FRAME

Optional FPM Elastomers.

Add "F" to model number for Cast Iron crankcase.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

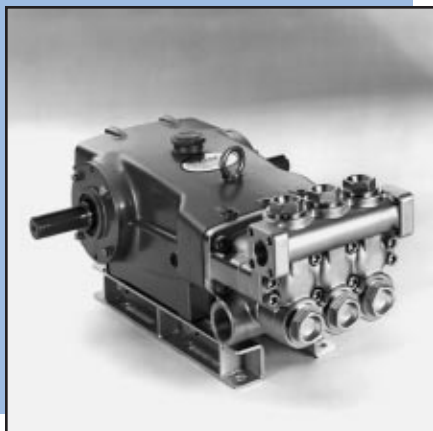
Standard **3520**

Stainless
Steel

3521

Nickel
Aluminum
Bronze

3527



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	23 GPM	(87 L/M)
Discharge Pressure	100 to 2000 PSI	(7 to 140 BAR)
Inlet Pressure	Flooded to 70 PSI	(Flooded to 4.9 BAR)
RPM	800 RPM	(800 RPM)
Horsepower	31.6 HP	(31.6 HP)
Bore	1.260"	(32 mm)
Stroke	1.890"	(48 mm)
Crankcase Capacity	4.2 Qts.	(4 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2)	1-1/2" NPTF	(1-1/2" NPTF)
Outlet Ports (2)	1" NPTF	(1" NPTF)
Shaft Diameter (D-End)	1.378"	(35 mm)
Weight	139 lbs.	(63 kg)
Dimensions	24.15" x 18.11" x 9.33"	(613.5 x 460 x 237 mm)

35 FRAME

Optional FPM Elastomers.

All parts for the Standard, Stainless Steel and Nickel Aluminum Bronze models are not interchangeable. See operators manual for parts clarification.

Add "F" to model number for Cast Iron crankcase.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

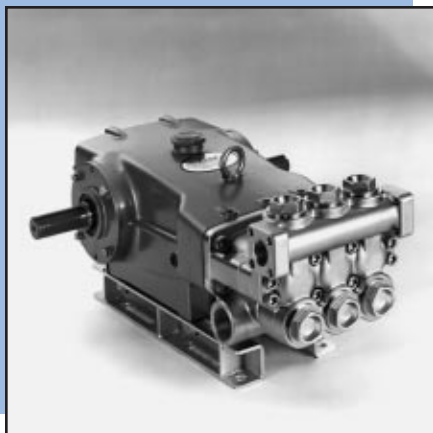
Standard **3535**

Stainless
Steel

3531

Nickel
Aluminum
Bronze

3537



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	36 GPM	(136 L/M)
Discharge Pressure	100 to 1200 PSI	(7 to 85 BAR)
Inlet Pressure	Flooded to 70 PSI	(Flooded to 4.9 BAR)
RPM	800 RPM	(800 RPM)
Horsepower	29.7 HP	(29.7 HP)
Bore	1.575"	(40 mm)
Stroke	1.890"	(48 mm)
Crankcase Capacity	4.2 Qts.	(4 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2)	1-1/2" NPTF	(1-1/2" NPTF)
Outlet Ports (2)	1" NPTF	(1" NPTF)
Shaft Diameter (D-End)	1.378"	(35 mm)
Weight	139 lbs.	(63 kg)
Dimensions	24.15" x 18.11" x 9.33"	(613.5 x 460 x 237 mm)

35 FRAME

Optional FPM and EPDM Elastomers.

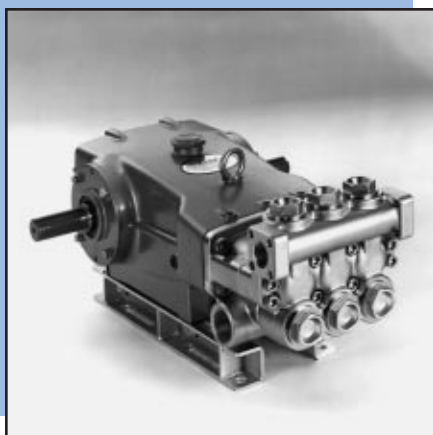
All parts for the Standard, Stainless Steel and Nickel Aluminum Bronze models are not interchangeable. See operators manual for parts clarification.

Add "F" to model number for Cast Iron crankcase.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Plunger Pumps

Standard **3545** Stainless Steel **3541**



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	45 GPM	(170 L/M)
Discharge Pressure	100 to 1000 PSI	(7 to 70 BAR)
Inlet Pressure	Flooded to 70 PSI	(Flooded to 4.9 BAR)
RPM	800 RPM	(800 RPM)
Horsepower	30.9	(30.9)
Bore	1.772"	(45 mm)
Stroke	1.890"	(48 mm)
Crankcase Capacity	4.2 Qts.	(4 L)
Max. Fluid Temperature	140°F	(60°C)
Inlet Ports (2)	1-1/2" NPTF	(1-1/2" NPTF)
Outlet Ports (2)	1" NPTF	(1" NPTF)
Shaft Diameter (D-End)	1.378"	(35 mm)
Weight	139 lbs.	(63 kg)
Dimensions	24.15" x 18.11" x 9.33"	(613.5 x 460 x 237 mm)

35 FRAME

Optional FPM and EPDM Elastomers.

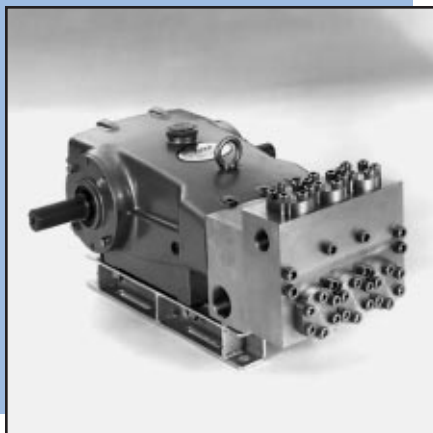
All parts for the Standard and Stainless Steel models are not interchangeable.

See operators manual for parts clarification.

Add "F" to model number for Cast Iron crankcase.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Stainless Steel **3801** Block-Style Manifolds **3801K** Flushed-Style Manifolds



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	9 GPM	(34 L/M)
Discharge Pressure	100 to 5000 PSI	(7 to 345 BAR)
Inlet Pressure	Flooded to 70 PSI*	(Flooded to 4.9 BAR)
RPM	800 RPM	(800 RPM)
Horsepower	30.9 HP	(30.9 HP)
Bore	0.787"	(20 mm)
Stroke	1.890"	(48 mm)
Crankcase Capacity	4.2 Qts.	(4 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2)	1-1/2" NPTF	(1-1/2" NPTF)
Flushing Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	1" NPTF	(1" NPTF)
Shaft Diameter (D-End)	1.378"	(35 mm)
Weight	167 lbs.	(75 kg)
Dimensions	24.65" x 18.11" x 11.54"	(626 x 460 x 293 mm)

38 FRAME

Optional FPM and EPDM Elastomers.

* "K" Models have special inlet ports for flushing and cooling and are suitable for high inlet pressure fluids. Call for clarification.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Stainless Steel **3811** Block-Style Manifolds **3811K** Flushed-Style Manifolds



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	14 GPM	(53 L/M)
Discharge Pressure	100 to 3000 PSI	(7 to 210 BAR)
Inlet Pressure	Flooded to 70 PSI*	(Flooded to 4.9 BAR)
RPM	800 RPM	(800 RPM)
Horsepower	28.8 HP	(28.8 HP)
Bore	0.984"	(25 mm)
Stroke	1.890"	(48 mm)
Crankcase Capacity	4.2 Qts.	(4 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2)	1-1/2" NPTF	(1-1/2" NPTF)
Flushing Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	1" NPTF	(1" NPTF)
Shaft Diameter (D-End)	1.378"	(35 mm)
Weight	170 lbs.	(77 kg)
Dimensions	24.65" x 18.11" x 11.54"	(626 x 460 x 293 mm)

38 FRAME

Optional FPM and EPDM Elastomers.

* "K" Models have special inlet ports for flushing and cooling and are suitable for high inlet pressure fluids. Call for clarification.

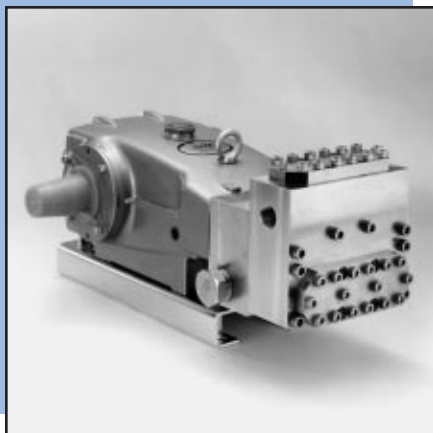
C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Plunger Pumps

Stainless Steel

3821 Block-Style Manifolds

3821K Flushed-Style Manifolds



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	23 GPM	(87 L/M)
Discharge Pressure	100 to 2000 PSI	(7 to 140 BAR)
Inlet Pressure.....	Flooded to 70 PSI*	(Flooded to 4.9 BAR)
RPM	800 RPM	(800 RPM)
Horsepower	31.6 HP	(31.6 HP)
Bore	1.260"	(32 mm)
Stroke.....	1.890"	(48 mm)
Crankcase Capacity	4.2 Qts.	(4 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2)	1-1/2" NPTF	(1-1/2" NPTF)
Flushing Ports (2).....	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2).....	1" NPTF	(1" NPTF)
Shaft Diameter (D-End).....	1.378"	(35 mm)
Weight	167 lbs.	(75 kg)
Dimensions.....	24.4" x 18.1" x 11.73"	(620 x 460 x 298 mm)

38 FRAME

Optional FPM and EPDM Elastomers.

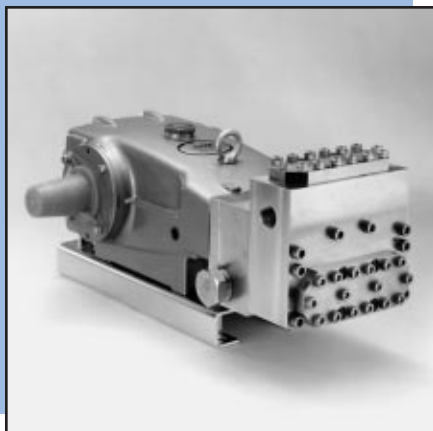
* "K" Models have special inlet ports for flushing and cooling and are suitable for high inlet pressure fluids. Call for clarification.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Stainless Steel

3831 Block-Style Manifolds

3831K Flushed-Style Manifolds



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	36 GPM	(136 L/M)
Discharge Pressure	100 to 1200 PSI	(7 to 85 BAR)
Inlet Pressure.....	Flooded to 70 PSI*	(Flooded to 4.9 BAR)
RPM	800 RPM	(800 RPM)
Horsepower	29.7 HP	(29.7 HP)
Bore	1.575"	(40 mm)
Stroke.....	1.890"	(48 mm)
Crankcase Capacity	4.2 Qts.	(4 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (2)	1-1/2" NPTF	(1-1/2" NPTF)
Flushing Ports (2).....	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2).....	1" NPTF	(1" NPTF)
Shaft Diameter (D-End).....	1.378"	(35 mm)
Weight	167 lbs.	(75 kg)
Dimensions.....	24.4" x 18.1" x 11.73"	(620 x 460 x 298 mm)

38 FRAME

Optional FPM and EPDM Elastomers.

* "K" Models have special inlet ports for flushing and cooling and are suitable for high inlet pressure fluids. Call for clarification.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Standard

6760 Stainless Steel

6761 Nickel Aluminum Bronze

6767



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	60 GPM	(227 L/M)
Discharge Pressure	100 to 1200 PSI	(7 to 85 BAR)
Inlet Pressure.....	Flooded to 50 PSI	(Flooded to 3.5 BAR)
RPM	520 RPM	(520 RPM)
Horsepower	49.4 HP	(49.4 HP)
Bore	2.165"	(55 mm)
Stroke.....	2.579"	(65.5 mm)
Crankcase Capacity	10 Qts.	(9.46 L)
Max. Fluid Temperature	140°F	(60°C)
Inlet Ports (2).....	2" NPTF*	(2" NPTF)
Outlet Ports (2).....	1-1/4" NPTF	(1-1/4" NPTF)
Shaft Diameter (D-End).....	1.772"	(45 mm)
Weight	335 lbs.	(152 kg)
Dimensions.....	31.5" x 24.33" x 18.33"	(801 x 618 x 466 mm)

60 FRAME

ALTERNATE SPECIFICATIONS - 6761, 6767

Flow	70 GPM*	(265 L/M)
Discharge Pressure	100 to 1000 PSI	(7 to 265 BAR)
RPM	600 RPM	(600 RPM)
Horsepower	48.0 HP	(48.0 HP)

ALTERNATE SPECIFICATIONS - 6760 ONLY

Flow	75 GPM*	(284 L/M)
Discharge Pressure	100 to 1000 PSI	(7 to 70 BAR)
RPM	630 RPM	(630 RPM)
Horsepower	51.4 HP	(51.4 HP)

* When operating at the Alternate Specifications (600 RPM), a thin walled Stainless Steel fitting and a minimum 2-1/2" inlet line is required for optimum performance.

Optional FPM Elastomers.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Plunger Pumps

Stainless Steel

6811 Block-Style Manifolds 6811K Flushed-Style Manifolds



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	15 GPM	(57 L/M)
Discharge Pressure	100 to 5000 PSI	(7 to 345 BAR)
Inlet Pressure	Flooded to 50 PSI*	(Flooded to 3.5 BAR)
RPM	600 RPM	(600 RPM)
Horsepower	51.5 HP	(51.5 HP)
Bore	0.984"	(25 mm)
Stroke	2.579"	(65.5 mm)
Crankcase Capacity	10 Qts.	(9.46 L)
Max. Fluid Temperature	120°F	(50°C)
Inlet Ports (2)	1-1/2" NPTF	(1-1/2" NPTF)
Flushing Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	1" NPTF	(1" NPTF)
Shaft Diameter (D-End)	1.772"	(45 mm)
Weight	355 lbs.	(161 kg)
Dimensions	29.53" x 24.33" x 15.94"	(750 x 618 x 405 mm)

ALTERNATE SPECIFICATIONS

Flow	15.0 GPM	(57 L/M)
Discharge Pressure	7000 PSI**	(485 BAR)

**Frequent cycle duty with dump gun only. Continuous duty with safety valve or rupture disc.

Optional FPM Elastomers.

* "K" Models have special inlet ports for flushing and cooling and are suitable for high inlet pressure fluids. Call for clarification.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

68 FRAME

Stainless Steel

6821 Block-Style Manifolds 6821K Flushed-Style Manifolds



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	25 GPM	(95 L/M)
Discharge Pressure	100 to 3000 PSI	(7 to 210 BAR)
Inlet Pressure	Flooded to 50 PSI*	(Flooded to 3.5 BAR)
RPM	615 RPM	(615 RPM)
Horsepower	51.5 HP	(51.5 HP)
Bore	1.260"	(32 mm)
Stroke	2.579"	(65.5 mm)
Crankcase Capacity	10 Qts.	(9.46 L)
Max. Fluid Temperature	120°F	(50°C)
Inlet Ports (2)	1-1/2" NPTF	(1-1/2" NPTF)
Flushing Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	1" NPTF	(1" NPTF)
Shaft Diameter (D-End)	1.772"	(45 mm)
Weight	355 lbs.	(161 kg)
Dimensions	29.53" x 24.33" x 15.94"	(750 x 618 x 405 mm)

Optional FPM Elastomers.

* "K" Models have special inlet ports for flushing and cooling and are suitable for high inlet pressure fluids. Call for clarification.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

68 FRAME

Stainless Steel

6831 Block-Style Manifolds 6831K Flushed-Style Manifolds



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	40 GPM	(151 L/M)
Discharge Pressure	100 to 2300 PSI	(7 to 160 BAR)
Inlet Pressure	Flooded to 50 PSI*	(Flooded to 3.5 BAR)
RPM	625 RPM	(625 RPM)
Horsepower	63.0 HP	(63.0 HP)
Bore	1.575"	(40 mm)
Stroke	2.579"	(65.5 mm)
Crankcase Capacity	10 Qts.	(9.46 L)
Max. Fluid Temperature	140°F	(60°C)
Inlet Ports (2)	1-1/2" NPTF	(1-1/2" NPTF)
Flushing Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	1" NPTF	(1" NPTF)
Shaft Diameter (D-End)	1.772"	(45 mm)
Weight	355 lbs.	(161 kg)
Dimensions	29.5" x 24.33" x 16.9"	(750 x 618 x 430 mm)

Optional FPM Elastomers.

* "K" Models have special inlet ports for flushing and cooling and are suitable for high inlet pressure fluids. Call for clarification.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

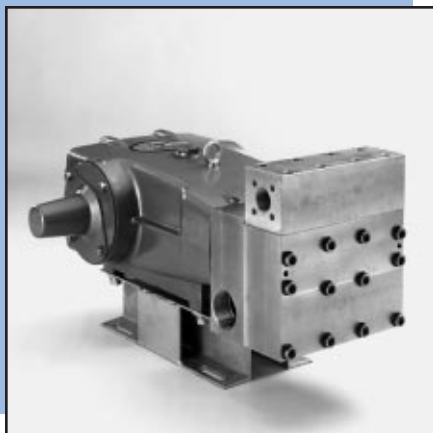
68 FRAME

Plunger Pumps

Stainless Steel

6841 Block-Style Manifolds

6841K Flushed-Style Manifolds



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	48 GPM	(182 L/M)
Discharge Pressure	100 to 2000 PSI	(7 to 140 BAR)
Inlet Pressure	Flooded to 50 PSI*	(Flooded to 3.5 BAR)
RPM	615 RPM	(615 RPM)
Horsepower	65.8 HP	(65.8 HP)
Bore	1.771"	(45 mm)
Stroke	2.579"	(65.5 mm)
Crankcase Capacity	10 Qts.	(9.46 L)
Max. Fluid Temperature	120°F	(50°C)
Inlet Ports (2)	2-1/2" NPTF	(2-1/2" NPTF)
Flushing Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	1-1/4" NPTF	(1-1/4" NPTF)
Shaft Diameter (D-End)	1.772"	(45 mm)
Weight	435 lbs.	(197 kg)
Dimensions	28.86" x 24.33" x 17.56"	(733 x 618 x 446 mm)

68 FRAME

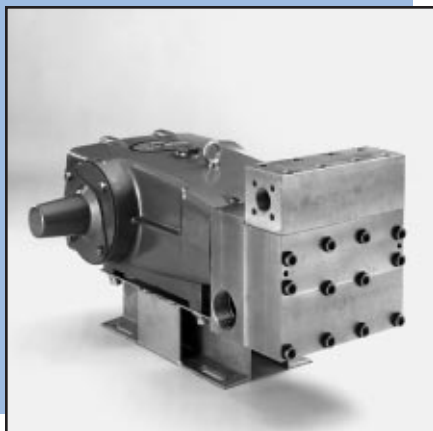
* "K" Models have special inlet ports for flushing and cooling and are suitable for high inlet pressure fluids. Call for clarification.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Stainless Steel

6861 Block-Style Manifolds

6861K Flushed-Style Manifolds



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	60 GPM	(227 L/M)
Discharge Pressure	100 to 1200 PSI	(7 to 85 BAR)
Inlet Pressure	Flooded to 50 PSI*	(Flooded to 3.5 BAR)
RPM	520 RPM	(520 RPM)
Horsepower	49.4 HP	(49.4 HP)
Bore	2.165"	(55 mm)
Stroke	2.579"	(65.5 mm)
Crankcase Capacity	10 Qts.	(9.46 L)
Max. Fluid Temperature	120°F	(50°C)
Inlet Ports (2)	2-1/2" NPTF**	(2-1/2" NPTF)
Flushing Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	1-1/4" NPTF	(1-1/4" NPTF)
Shaft Diameter (D-End)	1.772"	(45 mm)
Weight	435 lbs.	(197 kg)
Dimensions	28.86" x 24.33" x 17.56"	(733 x 618 x 446 mm)

68 FRAME

ALTERNATE SPECIFICATIONS

Flow	70 GPM**	(265 L/M)
Discharge Pressure	100 to 1000 PSI	(7 to 70 BAR)
RPM	600 RPM	(600 RPM)
Horsepower	48.0 HP	(48.0 HP)

When operating at the **Alternate Specifications (600 RPM), a thin walled stainless steel fitting and a minimum 2-1/2" inlet line is required for optimum performance.

Optional FPM Elastomers.

* "K" Models have special inlet ports for flushing and cooling and are suitable for high inlet pressure fluids. Call for clarification.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Piston Pumps

Standard 280 Stainless Steel 281



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	3 GPM	(11.4 L/M)
Discharge Pressure	100 to 1000 PSI	(7 to 70 BAR)
Inlet Pressure	-8.5 to + 40 PSI	(-0.6 to +2.8 BAR)
RPM	1330 RPM	(1330 RPM)
Horsepower	2.1 HP	(2.1 HP)
Bore	0.787"	(20 mm)
Stroke	0.394"	(10 mm)
Crankcase Capacity	10 oz.	(0.3 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (1)	1/2" NPTF	(1/2" NPTF)
Chemical Injection Port (1)	1/4" NPTF	(1/4" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
(1)	1/2" NPTF	(1/2" NPTF)
Shaft Diameter (D-End)	0.650"	(16.5 mm)
Weight	11.7 lbs.	(5.3 kg)
Dimensions	10.77" x 9.06" x 5.73"	(273.5 x 230 x 146 mm)

Optional Stainless Steel Manifolds and FPM Elastomers.

3 FRAME

Standard 290 Stainless Steel 291



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	3.5 GPM	(13.2 L/M)
Discharge Pressure	100 to 1200 PSI	(7 to 85 BAR)
Inlet Pressure	-8.5 to + 40 PSI	(-0.6 to +2.8 BAR)
RPM	1200 RPM	(1200 RPM)
Horsepower	2.9 HP	(2.9 HP)
Bore	0.787"	(20 mm)
Stroke	0.472"	(12 mm)
Crankcase Capacity	10 oz.	(0.3 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (1)	1/2" NPTF	(1/2" NPTF)
Chemical Injection Port (1)	1/4" NPTF	(1/4" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
(1)	1/2" NPTF	(1/2" NPTF)
Shaft Diameter (D-End)	0.650"	(16.5 mm)
Weight	12.1 lbs.	(5.5 kg)
Dimensions	10.77" x 9.06" x 5.14"	(273.5 x 230 x 130.5 mm)

Optional Stainless Steel Manifolds, FPM and EPDM Elastomers.

3 FRAME

Standard 333 Stainless Steel 331



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4 GPM	(15 L/M)
Discharge Pressure	100 to 1200 PSI	(7 to 85 BAR)
Inlet Pressure	-8.5 to + 40 PSI	(-0.6 to +2.8 BAR)
RPM	1070 RPM	(1070 RPM)
Horsepower	3.3 HP	(3.3 HP)
Bore	0.709"	(18 mm)
Stroke	0.768"	(19.5 mm)
Crankcase Capacity	21 oz.	(0.6 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (1)	1/2" NPTF	(1/2" NPTF)
Injection Port (1)	1/4" NPTF	(1/4" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
(1)	1/2" NPTF	(1/2" NPTF)
Shaft Diameter (D-End)	0.650"	(16.5 mm)
Weight	17.7 lbs.	(8.0 kg)
Dimensions	12.8" x 8.8" x 5.4"	(326 x 223 x 137 mm)

Optional Stainless Steel Manifolds, Pulse Pump Manifold and FPM Elastomers.

4 FRAME

Piston Pumps

Standard 430 Stainless Steel 431



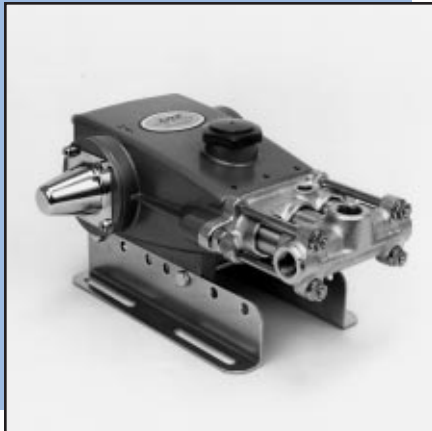
SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	5 GPM	(19 L/M)
Discharge Pressure	100 to 1000 PSI	(7 to 70 BAR)
Inlet Pressure	-8.5 to +40 PSI	(-0.6 to +2.8 BAR)
RPM	1040 RPM	(1040 RPM)
Horsepower	3.4 HP	(3.4 HP)
Bore	0.787"	(20 mm)
Stroke.....	0.768"	(19.5 mm)
Crankcase Capacity .....	.21 oz.	(0.6 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (1)	1/2" NPTF	(1/2" NPTF)
Injection Port (1)	1/4" NPTF	(1/4" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
(1)	1/2" NPTF	(1/2" NPTF)
Shaft Diameter (D-End)	0.650"	(16.5 mm)
Weight.....	17.7 lbs.	(8.0 kg)
Dimensions	12.8" x 8.8" x 5.4"	(326 x 223 x 137 mm)

4 FRAME

Optional Stainless Steel Manifolds, Pulse Pump Manifold and FPM Elastomers.

Standard 323

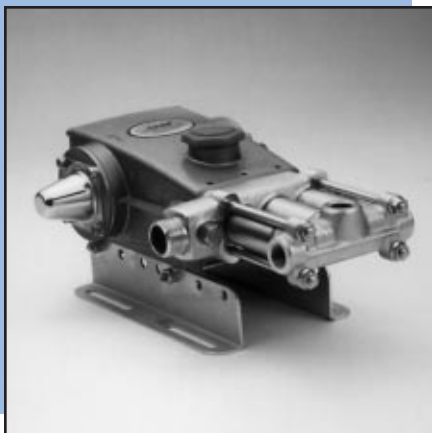


SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	5 GPM	(19 L/M)
Discharge Pressure	100 to 1500 PSI	(7 to 105 BAR)
Inlet Pressure	-8.5 to +40 PSI	(-0.6 to +2.8 BAR)
RPM	1000 RPM	(1000 RPM)
Horsepower	5.1 HP	(5.1 HP)
Bore	0.866"	(22 mm)
Stroke.....	0.669"	(17 mm)
Crankcase Capacity .....	.21 oz.	(0.6 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (1)	1/2" NPTF	(1/2" NPTF)
Injection Port (1)	1/4" NPTF	(1/4" NPTF)
Outlet Ports (3)	1/2" NPTF	(1/2" NPTF)
Shaft Diameter (D-End)	0.787"	(20 mm)
Weight.....	16.6 lbs.	(7.5 kg)
Dimensions	12.4" x 10.0" x 5.3"	(315 x 254 x 134 mm)

5 FRAME

Standard 390



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	12 GPM	(45 L/M)
Discharge Pressure	100 to 600 PSI	(7 to 40 BAR)
Inlet Pressure		
(Up to 8 GPM)	-8.5 to +40 PSI	(-0.6 to +2.8 BAR)
(8 to 12 GPM).....	Flooded to 40 PSI	(Flooded to +2.8 BAR)
RPM	1200 RPM	(1200 RPM)
Horsepower	5.0 HP	(5.0 HP)
Bore	1.260"	(32 mm)
Stroke.....	0.629"	(16 mm)
Crankcase Capacity .....	.21 oz.	(0.6 L)
Max. Fluid Temperature.....	140°F	(60°C)
Inlet Ports (1)	1" NPTM	(1" NPTM)
Outlet Ports (3)	1/2" NPTF	(1/2" NPTF)
Shaft Diameter (D-End)	0.787"	(20 mm)
Weight.....	18.8 lbs.	(8.5 kg)
Dimensions	14.1" x 10.0" x 5.3"	(358 x 254 x 134 mm)

5 FRAME

Optional FPM Elastomers.

Piston Pumps

Standard 623 Stainless Steel 621



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	6 GPM	(23 L/M)
Discharge Pressure	100 to 1200 PSI	(7 to 85 BAR)
Inlet Pressure	-8.5 to + 40 PSI	(-0.6 to +2.8 BAR)
RPM	850 RPM	(850 RPM)
Horsepower	4.9 HP	(4.9 HP)
Bore	0.787"	(20 mm)
Stroke.....	1.122"	(28.5 mm)
Crankcase Capacity	40 oz.	(1.2 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (1)	1" NPTF	(1" NPTF)
Outlet Ports (3)	3/4" NPTF	(3/4" NPTF)
Shaft Diameter (D-End)	0.984"	(25 mm)
Weight.....	34.6 lbs.	(15.7 kg)
Dimensions.....	16.65" x 11.42" x 6.25"	(423 x 290 x 159 mm)

10 FRAME

Optional Stainless Steel Manifolds, Pulse Pump Manifold and FPM Elastomers.

Standard 820 Stainless Steel 821



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	10 GPM	(38 L/M)
Discharge Pressure	100 to 1000 PSI	(7 to 70 BAR)
Inlet Pressure	-8.5 to + 40 PSI	(-0.6 to +2.8 BAR)
RPM	940 RPM	(940 RPM)
Horsepower	6.9 HP	(6.9 HP)
Bore	0.984"	(25 mm)
Stroke.....	1.102"	(28 mm)
Crankcase Capacity	40 oz.	(1.2 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (1)	1" NPTF	(1" NPTF)
Outlet Ports (2)	3/4" NPTF	(3/4" NPTF)
Shaft Diameter (D-End)	0.984"	(25 mm)
Weight.....	34.6 lbs.	(15.7 kg)
Dimensions.....	16.65" x 11.42" x 6.25"	(423 x 290 x 159 mm)

10 FRAME

Optional Stainless Steel Manifolds, Pulse Pump Manifold and FPM Elastomers.

Standard 1010 Stainless Steel 1011



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	13 GPM	(49 L/M)
Discharge Pressure	100 to 700 PSI	(7 to 50 BAR)
Inlet Pressure	-8.5 to + 40 PSI	(-0.6 to +2.8 BAR)
RPM	900 RPM	(900 RPM)
Horsepower	6.2 HP	(6.2 HP)
Bore	1.122"	(28.5 mm)
Stroke.....	1.102"	(28 mm)
Crankcase Capacity	40 oz.	(1.2 L)
Max. Fluid Temperature.....	160°F	(71°C)
Inlet Ports (1)	1" NPTF	(1" NPTF)
Outlet Ports (3)	3/4" NPTF	(3/4" NPTF)
Shaft Diameter (D-End)	0.984"	(25 mm)
Weight.....	34.6 lbs.	(15.7 kg)
Dimensions.....	16.65" x 11.42" x 6.25"	(423 x 290 x 159 mm)

10 FRAME

Optional Stainless Steel Manifolds, Pulse Pump Manifold and FPM Elastomers.

Piston Pumps

Standard 1520 Stainless Steel 1521



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	15.1 GPM	(57 L/M)
Discharge Pressure	100 to 1000 PSI	(7 to 70 BAR)
Inlet Pressure	-8.5 to + 40 PSI	(-0.6 to +2.8 BAR)
RPM	830 RPM	(830 RPM)
Horsepower	10.3 HP	(10.3 HP)
Bore	1.122"	(28.5 mm)
Stroke	1.417"	(36 mm)
Crankcase Capacity .....	.84 oz.	(2.5 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (1)	1-1/4" NPTF	(1-1/4" NPTF)
Outlet Ports (3)	1" NPTF	(1" NPTF)
Shaft Diameter (D-End)	1.181"	(30 mm)
Weight	69.3 lbs.	(31.5 kg)
Dimensions	20.83" x 15.04" x 7.75"	(529 x 382 x 197 mm)

25 FRAME

Optional Stainless Steel Manifolds, Pulse Pump Manifold and FPM Elastomers.

Standard 2520 Stainless Steel 2521



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	25 GPM	(95 L/M)
Discharge Pressure	100 to 800 PSI	(7 to 55 BAR)
Inlet Pressure	-8.5 to + 40 PSI	(-0.6 to +2.8 BAR)
RPM	772 RPM	(772 RPM)
Horsepower	13.7 HP	(13.7 HP)
Bore	1.490"	(38 mm)
Stroke	1.417"	(36 mm)
Crankcase Capacity .....	.84 oz.	(2.5 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (1)	1-1/4" NPTF	(1-1/4" NPTF)
Outlet Ports (3)	1" NPTF	(1" NPTF)
Shaft Diameter (D-End)	1.181"	(30 mm)
Weight	69.3 lbs.	(31.5 kg)
Dimensions	20.83" x 15.04" x 7.75"	(529 x 382 x 197 mm)

25 FRAME

Optional Stainless Steel Manifolds, Pulse Pump Manifold and FPM Elastomers.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Standard 2520C Hi-Temp – Cooled Inlet



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	25 GPM	(95 L/M)
Discharge Pressure	100 to 800 PSI	(7 to 55 BAR)
Inlet Pressure	★Flooded to + 40 PSI	(Flooded to +2.8 BAR)
RPM	772 RPM	(772 RPM)
Horsepower	13.7 HP	(13.7 HP)
Bore	1.490"	(38 mm)
Stroke	1.417"	(36 mm)
Crankcase Capacity .....	.84 oz.	(2.5 L)
Max. Fluid Temperature	210°F	(98°C)
Inlet Ports (1)	1-1/4" NPTF	(1-1/4" NPTF)
Outlet Ports (3)	1" NPTF	(1" NPTF)
Circulating Ports (2)	1/4" NPTF	(1/4" NPTF)
Cooling Fluid Capacity	1.6 Qts.	(1.5 L/M)
Shaft Diameter (D-End)	1.181"	(30 mm)
Weight	72 lbs.	(32.5 kg)
Dimensions	21.4" x 15.04" x 7.75"	(544.5 x 382 x 198 mm)

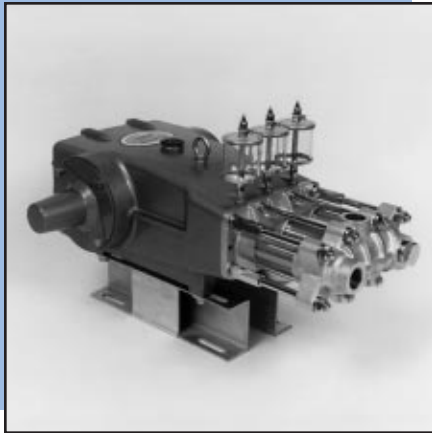
25 FRAME

★NOTE: Pressurized inlet is essential with high temperatures. See Tech Bulletin No. 2 for details.

C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Piston Pumps

Standard 6020 Stainless Steel 6021



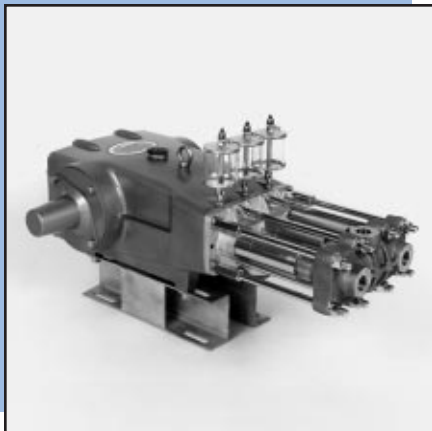
SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	60 GPM	(227 L/M)
Discharge Pressure	100 to 1000 PSI	(7 to 70 BAR)
Inlet Pressure	-8.5 to +40 PSI	(-0.6 to +2.8 BAR)
RPM	500 RPM	(500 RPM)
Horsepower	41.2 HP	(41.2 HP)
Bore	2.205"	(56 mm)
Stroke	2.461"	(62.5 mm)
Crankcase Capacity	10 Qts.	(9.46 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (1)	2" NPTF	(2" NPTF)
Outlet Ports (3)	1-1/4" NPTF	(1-1/4" NPTF)
Shaft Diameter (D-End)	1.772"	(45 mm)
Weight	235 lbs.	(110 kg)
Dimensions	31.4" x 24.0" x 17.1"	(797 x 610 x 434 mm)

60 FRAME

*Optional Stainless Steel Manifolds and FPM Elastomers.
C. A. T. highly recommended for pressurized inlet, R.O. and Industrial applications.
Pump shown with optional oilers.*

Standard 6024 Stainless Steel 6024.1



SPECIFICATIONS

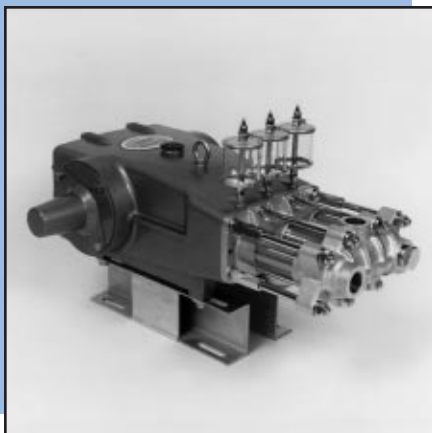
	U.S. Measure	Metric Measure
Flow	12 GPM	(45 L/M)
Discharge Pressure	100 to 5000 PSI	(7 to 345 BAR)
Inlet Pressure	-8.5 to +40 PSI	(-0.6 to +2.8 BAR)
RPM	500 RPM	(500 RPM)
Horsepower	41.2 HP	(41.2 HP)
Bore	0.984"	(25 mm)
Stroke	2.480"	(63 mm)
Crankcase Capacity	10 Qts.	(9.46 L)
Max. Fluid Temperature	140°F	(60°C)
Inlet Ports (1)	2" NPTF	(2" NPTF)
Outlet Ports (3)	1" NPTF	(1" NPTF)
Shaft Diameter (D-End)	1.772"	(45 mm)
Weight	265 lbs.	(120 kg)
Dimensions	35.3" x 24.0" x 17.1"	(895 x 610 x 434 mm)

60 FRAME

Sleeve-type
Piston

*Optional Stainless Steel Manifolds and FPM Elastomers.
C. A. T. highly recommended for pressurized inlet, R.O. and Industrial applications.
Pump shown with optional oilers.*

Standard 6040 Stainless Steel 6041



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	40 GPM	(151 L/M)
Discharge Pressure	100 to 1500 PSI	(7 to 105 BAR)
Inlet Pressure	-8.5 to +40 PSI	(-0.6 to +2.8 BAR)
RPM	500 RPM	(500 RPM)
Horsepower	41.1 HP	(41.1 HP)
Bore	1.811"	(46 mm)
Stroke	2.461"	(62.5 mm)
Crankcase Capacity	10 Qts.	(9.46 L)
Max. Fluid Temperature	160°F	(71°C)
Inlet Ports (1)	2" NPTF	(2" NPTF)
Outlet Ports (3)	1-1/4" NPTF	(1-1/4" NPTF)
Shaft Diameter (D-End)	1.772"	(45 mm)
Weight	235 lbs.	(110 kg)
Dimensions	31.4" x 24.0" x 17.1"	(797 x 610 x 434 mm)

60 FRAME

*Optional Stainless Steel Manifolds and FPM Elastomers.
C. A. T. highly recommended for pressurized inlet, R.O. and Industrial applications.
Pump shown with optional oilers.*

Piston Pumps

Standard 6044 Stainless Steel 6044.1



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	20 GPM	(76 L/M)
Discharge Pressure	100 to 3000 PSI	(7 to 210 BAR)
Inlet Pressure	-8.5 to + 40 PSI	(-0.6 to +2.8 BAR)
RPM	500 RPM	(500 RPM)
Horsepower	41.1 HP	(41.1 HP)
Bore	1.260"	(32 mm)
Stroke	2.480"	(63 mm)
Crankcase Capacity	10 Qts.	(9.46 L)
Max. Fluid Temperature	140°F	(60°C)
Inlet Ports (1)	2" NPTF	(2" NPTF)
Outlet Ports (3)	1" NPTF	(1" NPTF)
Shaft Diameter (D-End)	1.772"	(45 mm)
Weight .....	.265 lbs.	(120 kg)
Dimensions	35.3" x 24.0" x 17.1"	(895 x 610 x 434 mm)

60 FRAME

Sleeve-type
Piston

Optional Stainless Steel Manifolds and FPM Elastomers.

C. A. T. highly recommended for pressurized inlet, R.O. and Industrial applications.

Pump shown with optional oilers.

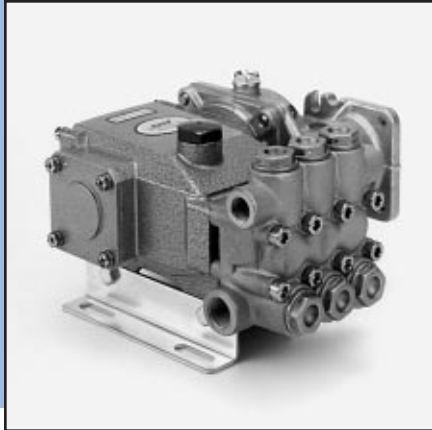
Master Horsepower Chart

Electric Horsepower at Selected Flows and Pressures																		
FLOW GPM (L/M)	PRESSURE PSI (BAR)																	
	500 (35)	700 (50)	800 (55)	1000 (70)	1200 (85)	1500 (105)	1800 (125)	2000 (140)	2200 (155)	2500 (175)	3000 (210)	3200 (220)	3500 (245)	4000 (275)	4500 (310)	5000 (345)	6000 (415)	7000 (485)
.50 (1.9)	.17	.24	.28	.34	.41	.51	.62	.68	.75	.85	1.0	1.3	1.2	N/A	N/A	N/A	N/A	N/A
.75 (2.8)	.26	.36	.41	.52	.62	.77	.93	1.0	1.1	1.3	1.5	1.7	1.8	N/A	N/A	N/A	N/A	N/A
1.0 (3.8)	.34	.44	.55	.69	.82	1.0	1.2	1.4	1.5	1.7	2.0	2.2	2.4	2.7	N/A	N/A	N/A	N/A
1.3 (4.9)	.45	.62	.72	.89	1.1	1.3	1.6	1.8	2.0	2.2	2.7	2.9	3.1	3.6	N/A	N/A	N/A	N/A
1.5 (5.7)	.51	.72	.82	1.0	1.2	1.5	1.9	2.1	2.3	2.3	3.1	3.3	3.6	4.1	N/A	N/A	N/A	N/A
1.6 (6.1)	.55	.77	.88	1.1	1.3	1.7	2.0	2.2	2.4	2.8	3.3	3.5	3.8	4.4	N/A	N/A	N/A	N/A
2.0 (7.6)	.68	.88	1.1	1.4	1.6	2.1	2.5	2.7	3.0	3.4	4.1	4.4	4.8	5.5	N/A	N/A	N/A	N/A
2.2 (8.3)	.75	1.1	1.2	1.5	1.8	2.3	2.7	3.0	3.3	3.8	4.5	4.9	5.3	6.0	N/A	N/A	N/A	N/A
2.3 (8.7)	.79	1.1	1.3	1.6	1.9	2.4	2.8	3.2	3.5	4.0	4.7	5.1	5.5	6.3	N/A	N/A	N/A	N/A
2.5 (9.5)	.86	1.2	1.4	1.7	2.1	2.6	3.1	3.4	3.8	4.3	5.1	5.5	6.0	6.9	N/A	N/A	N/A	N/A
2.85 (10.8)	.98	1.4	1.6	2.0	2.3	2.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
3.0 (11.4)	1.0	1.4	1.6	2.1	2.5	3.1	3.7	4.2	4.5	5.2	6.2	6.6	7.2	8.2	N/A	10.3	N/A	N/A
3.2 (12.1)	1.1	1.5	1.7	2.2	2.6	3.3	3.9	4.4	4.8	5.5	6.6	7.0	7.7	N/A	N/A	N/A	N/A	N/A
3.5 (13.2)	1.2	1.7	1.9	2.4	2.9	3.6	4.3	4.8	5.3	6.0	7.2	7.7	8.4	9.6	N/A	12.0	N/A	N/A
3.6 (13.6)	1.2	1.7	2.0	2.5	3.0	3.7	4.4	5.0	5.4	6.2	7.4	7.9	8.6	9.9	N/A	12.4	N/A	N/A
3.75 (14.2)	1.3	1.8	2.1	2.6	3.1	3.9	4.6	5.2	5.7	6.5	7.7	8.3	N/A	N/A	N/A	N/A	N/A	N/A
4.0 (15)	1.4	1.8	2.2	2.8	3.3	4.1	5.0	5.5	6.0	6.9	8.3	8.8	9.5	11.0	12.4	13.7	N/A	N/A
4.2 (16)	1.4	2.0	2.3	2.9	3.5	4.3	5.2	5.8	6.3	7.2	8.6	9.2	10.1	11.5	13.0	14.4	N/A	N/A
4.5 (17)	1.5	2.2	2.5	3.1	3.7	4.6	5.6	6.2	6.8	7.7	9.3	9.9	10.8	12.3	13.9	15.4	N/A	N/A
5.0 (19)	1.7	2.4	2.7	3.4	4.1	5.1	6.2	6.9	7.5	8.6	10.3	11.0	12.0	13.7	15.5	17.1	N/A	N/A
5.5 (21)	1.9	2.6	3.0	3.8	4.5	5.7	6.8	7.5	8.3	9.4	11.3	12.1	13.2	15.1	17.0	18.9	N/A	N/A
6.0 (23)	2.1	2.9	3.3	4.1	4.9	6.2	7.4	8.2	9.0	10.3	12.4	13.2	14.4	16.4	18.5	20.6	N/A	N/A
7.0 (27)	2.4	3.4	3.8	4.8	5.8	7.2	8.7	9.6	10.6	12.0	14.4	15.4	16.8	19.2	21.6	24.0	N/A	N/A
8.0 (30)	2.8	3.8	4.4	5.5	6.6	8.2	9.9	11.0	12.1	13.7	16.5	17.6	19.2	22.0	24.7	27.5	N/A	N/A
9.0 (34)	3.1	4.3	4.9	6.2	7.4	9.3	11.1	12.4	13.6	15.4	18.5	19.8	21.6	24.7	27.8	30.9	N/A	N/A
10.0 (38)	3.4	4.8	5.5	6.9	8.2	10.3	12.4	13.7	15.1	17.2	20.6	22.0	24.0	27.5	30.9	34.3	N/A	N/A
12.0 (45)	4.1	5.8	6.6	8.2	9.9	12.4	14.8	16.5	18.1	20.6	24.7	26.4	28.8	32.9	37.1	41.2	N/A	N/A
13.0 (49)	4.5	6.2	7.1	8.9	10.7	13.4	16.0	17.8	19.6	22.3	26.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A
14.0 (53)	4.8	6.7	7.5	9.6	11.5	14.4	17.3	19.2	21.1	24.0	28.8	30.8	33.6	38.4	43.2	48.0	N/A	N/A
15.0 (57)	5.2	7.2	8.2	10.3	12.4	15.4	18.5	20.6	22.6	25.7	30.9	33.0	36.0	41.2	46.3	51.5	61.8	72.1
18.0 (68)	6.2	8.6	9.9	12.3	14.8	18.5	22.2	24.7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
20.0 (76)	6.9	9.6	11.0	13.7	16.5	20.6	24.7	27.4	30.1	34.2	41.1	43.8	N/A	N/A	N/A	N/A	N/A	N/A
21.0 (80)	7.2	10.1	11.5	14.4	17.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
23.0 (87)	7.9	10.1	12.6	15.8	18.9	23.7	28.4	31.6	34.7	39.5	47.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A
25.0 (95)	8.6	12.0	13.7	17.2	20.6	25.7	30.9	34.3	37.7	42.9	51.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A
28.0 (106)	9.6	13.4	15.3	19.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
30.0 (114)	10.3	14.4	16.5	20.6	24.7	30.9	37.0	41.1	45.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
35.0 (133)	12.0	16.8	19.2	24.0	28.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
36.0 (136)	12.4	17.3	19.8	24.7	29.7	37.0	44.4	49.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
40.0 (151)	13.7	19.2	22.0	27.4	32.9	41.1	49.3	54.8	60.3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
45.0 (170)	15.1	21.6	24.7	30.9	37.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
48.0 (182)	16.4	23.0	26.3	32.9	39.4	49.3	59.2	65.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
50.0 (189)	17.2	24.0	27.4	34.3	41.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
60.0 (227)	20.6	28.8	32.9	41.2	49.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
70.0 (265)	24.0	33.6	38.4	48.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
75.0 (284)	25.7	36.0	41.1	51.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

For 5 Frame through 68 Frame pumps, consult CAT PUMPS Tech Bulletin 03 for Drive Packages, including pump pulley, motor pulley, hubs, key and belts.

CP Gearbox Pumps

3CP1120G



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	3.5 GPM	(13.2 L/M)
Discharge Pressure	100 to 1500 PSI	(7 to 105 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
Pump RPM	1420 RPM	(1420 RPM)
Engine RPM	3600 RPM	(3600 RPM)
Horsepower - Electric	3.6 HP	(3.6 HP)
Bore	0.709"	(18 mm)
Stroke.....	0.512"	(13 mm)
Shaft Diameter	0.650"	(16.5 mm)
Pump Crankcase Capacity	11.8 oz.	(0.35 L)
Weight w/Gearbox	19.84 lbs.	(9.0 kg)
Dimensions w/Gearbox.....	9.1" x 8.93" x 5.47"	(231 x 227 x 139 mm)

3CP

Gearbox
Drive

8075 GEARBOX SPECIFICATIONS

Gear Ratio	2.55 to 1	(255 to 1)
Mounting Face	3-5/8"	(92.1 mm)
Engine Shaft Diameter	3/4"	(19.1 mm)
Engine Shaft Length	2-3/8"	(60.3 mm)
Gearbox Crankcase Capacity.....	7.6 oz.	(0.23 L)

Pairs 3CP1120 Pump with 8075 Gearbox

1" Shaft 5CP3120G1 1-1/8" Shaft 5CP3120G118



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4.5 GPM	(17 L/M)
Discharge Pressure	3500 PSI	(245 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
Pump RPM	1645 RPM	(1645 RPM)
Engine RPM	3353 RPM	(3353 RPM)
Horsepower - Electric	10.8 HP	(10.8 HP)
Bore	0.630"	(16 mm)
Stroke.....	0.709"	(18 mm)
Pump Crankcase Capacity	17 oz.	(0.53 L)
Weight w/Gearbox	32.4 lbs.	(14.8 kg)
Dimensions w/Gearbox.....	6.42" x 10.74" x 10.94"	(163 x 273 x 278 mm)

5CP

Gearbox
Drive

8076-8077 GEARBOX SPECIFICATIONS

Gear Ratio	2.0384 to 1	(2.0384 to 1)
Mounting Face	6-1/2"	(165.1 mm)
Engine Shaft Diameter	1" or 1-1/8"	(25.4 or 28.6 mm)
Engine Shaft Length	3-1/4"	(82.6 mm)
Gearbox Crankcase Capacity.....	10 oz.	(0.30 L)

Pairs 5CP3120 Pump with 8076 or 8077 Gearbox

1" Shaft 5CP5150G1 1-1/8" Shaft 5CP5150G118



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	5 GPM	(19 L/M)
Discharge Pressure	3000 PSI	(210 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
Pump RPM	1570 RPM	(1570 RPM)
Engine RPM	3200 RPM	(3200 RPM)
Horsepower - Electric	10.3 HP	(10.3 HP)
Bore	0.709"	(18 mm)
Stroke.....	0.650"	(16.5 mm)
Pump Crankcase Capacity	17 oz.	(0.53 L)
Weight w/Gearbox	32.4 lbs.	(14.8 kg)
Dimensions w/Gearbox.....	6.42" x 10.74" x 10.94"	(163 x 273 x 278 mm)

5CP

Gearbox
Drive

8076-8077 GEARBOX SPECIFICATIONS

Gear Ratio	2.0384 to 1	(2.0384 to 1)
Mounting Face	6-1/2"	(165.1 mm)
Engine Shaft Diameter	1" or 1-1/8"	(25.4 or 28.6 mm)
Engine Shaft Length	3-1/4"	(82.6 mm)
Gearbox Crankcase Capacity.....	10 oz.	(0.30 L)

Pairs 5CP5150 Pump with 8076 or 8077 Gearbox

Gearbox Pumps

O.E.M.
1" Shaft

34G1 1-1/8" Shaft 34G118



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4 GPM	(15 L/M)
Discharge Pressure	100 to 2000 PSI	(7 to 140 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
Pump RPM	1725 RPM	(1725 RPM)
Engine RPM	3515 RPM	(3515 RPM)
Horsepower - Electric.....	5.5 HP	(5.5 HP)
Bore	0.787"	(20 mm)
Stroke.....	0.394"	(10 mm)
Pump Crankcase Capacity.....	18 oz.	(0.55 L)
Weight w/Gearbox	26.18 lbs.	(12.0 Kg)
Dimensions w/Gearbox	11.5" x 10.98" x 8.19"	(292 x 279 x 208 mm)

5 FRAME

Gearbox
Drive

8061 - 8068 GEARBOX SPECIFICATIONS

Gear Ratio.....	2.0384 to 1	(2.0384 to 1)
Mounting Face	6-1/2"	(165.1 mm)
Engine Shaft Diameter.....	1" or 1-1/8"	(25.4 or 28.6 mm)
Engine Shaft Length	3-1/4"	(82.6 mm)
Gearbox Crankcase Capacity	10 oz.	(0.30 L)

Pairs 34 Pump with 8061 or 8068 Gearbox

O.E.M.
1" Shaft

35G1 1-1/8" Shaft 35G118



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	5 GPM	(19 L/M)
Discharge Pressure	100 to 1500 PSI	(7 to 105 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
Pump RPM	1725 RPM	(1725 RPM)
Engine RPM	3515 RPM	(3515 RPM)
Horsepower - Electric.....	5.1 HP	(5.1 HP)
Bore	0.787"	(20 mm)
Stroke.....	0.472"	(12 mm)
Pump Crankcase Capacity.....	18 oz.	(0.55 L)
Weight w/Gearbox	26.18 lbs.	(12.0 Kg)
Dimensions w/Gearbox	11.5" x 10.98" x 8.19"	(292 x 279 x 208 mm)

5 FRAME

Gearbox
Drive

8061 - 8068 GEARBOX SPECIFICATIONS

Gear Ratio.....	2.0384 to 1	(2.0384 to 1)
Mounting Face	6-1/2"	(165.1 mm)
Engine Shaft Diameter.....	1" or 1-1/8"	(25.4 or 28.6 mm)
Engine Shaft Length	3-1/4"	(82.6 mm)
Gearbox Crankcase Capacity	10 oz.	(0.30 L)

Pairs 35 Pump with 8061 or 8068 Gearbox

O.E.M.
1" Shaft

45G1 1-1/8" Shaft 45G118



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4.5 GPM	(17 L/M)
Discharge Pressure	100 to 3500 PSI	(7 to 245 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
Pump RPM	1645 RPM	(1645 RPM)
Engine RPM	3353 RPM	(3353 RPM)
Horsepower - Electric.....	10.8 HP	(10.8 HP)
Bore	0.620"	(16 mm)
Stroke.....	0.708"	(18 mm)
Pump Crankcase Capacity.....	18 oz.	(0.55 L)
Weight w/Gearbox	27.3 lbs.	(12.5 Kg)
Dimensions w/Gearbox	12.0" x 10.98" x 5.5"	(304.5 x 279 x 139 mm)

5 FRAME

Gearbox
Drive

8065 - 8068 GEARBOX SPECIFICATIONS

Gear Ratio.....	2.0384 to 1	(2.0384 to 1)
Mounting Face	6-1/2"	(165.1 mm)
Engine Shaft Diameter.....	1" or 1-1/8"	(25.4 or 28.6 mm)
Engine Shaft Length	3-1/4"	(82.6 mm)
Gearbox Crankcase Capacity	10 oz.	(0.30 L)

Pairs 45 Pump with 8065 or 8068 Gearbox

Gearbox Pumps

O.E.M.
1" Shaft

51G1 1-1/8" Shaft 51G118



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4.8 GPM	(18 L/M)
Discharge Pressure	100 to 3000 PSI	(7 to 210 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
Pump RPM	1765 RPM	(1765 RPM)
Engine RPM	3600 RPM	(3600 RPM)
Horsepower - Electric.....	9.8 HP	(9.8 HP)
Bore	0.630"	(16 mm)
Stroke.....	0.728"	(18.5 mm)
Pump Crankcase Capacity.....	.25 oz.	(0.75 L)
Weight w/Gearbox.....	31.88 lbs.	(14.5 Kg)
Dimensions w/Gearbox.....	13.6" x 10.75" x 8.19"	(346 x 273 x 208 mm)

7 FRAME

Gearbox
Drive

8051 - 8058 GEARBOX SPECIFICATIONS

Gear Ratio.....	2.0384 to 1	(2.0384 to 1)
Mounting Face	6-1/2"	(165.1 mm)
Engine Shaft Diameter.....	1" or 1-1/8"	(25.4 or 28.6 mm)
Engine Shaft Length.....	3-1/4"	(82.6 mm)
Gearbox Crankcase Capacity	10 oz.	(0.30 L)

Pairs 51 Pump with 8051 or 8058 Gearbox

O.E.M.
1" Shaft

56G1 1-1/8" Shaft 56G118



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	8 GPM	(30 L/M)
Discharge Pressure.....	1800 PSI	(125 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
Pump RPM	1760 RPM	(1760 RPM)
Engine RPM	3590 RPM	(3590 RPM)
Horsepower - Electric.....	8.4 HP	(8.4 HP)
Bore	0.708"	(18 mm)
Stroke.....	0.945"	(24 mm)
Pump Crankcase Capacity.....	.25 oz.	(0.75 L)
Weight w/Gearbox.....	32.18 lbs.	(14.7 Kg)
Dimensions w/Gearbox	13.9" x 10.75" x 18.9"	(353 x 273 x 208 mm)

7 FRAME

Gearbox
Drive

8071 - 8078 GEARBOX SPECIFICATIONS

Gear Ratio.....	2.0384 to 1	(2.0384 to 1)
Mounting Face	6-1/2"	(165.1 mm)
Engine Shaft Diameter.....	1" or 1-1/8"	(25.4 or 28.6 mm)
Engine Shaft Length.....	3-1/4"	(82.6 mm)
Gearbox Crankcase Capacity	10 oz.	(0.30 L)

Pairs 56 Pump with 8071 or 8078 Gearbox

O.E.M.
1" Shaft

58G1 1-1/8" Shaft 58G118



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	5 GPM	(19 L/M)
Discharge Pressure	100 to 2500 PSI	(7 to 175 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
Pump RPM	1570 RPM	(1570 RPM)
Engine RPM	3200 RPM	(3200 RPM)
Horsepower - Electric.....	8.6 HP	(8.6 HP)
Bore	0.708"	(18 mm)
Stroke.....	0.669"	(17 mm)
Pump Crankcase Capacity.....	.25 oz.	(0.75 L)
Weight w/Gearbox.....	31.88 lbs.	(14.5 Kg)
Dimensions w/Gearbox.....	13.6" x 10.75" x 8.19"	(346 x 273 x 208 mm)

7 FRAME

Gearbox
Drive

8051 - 8058 GEARBOX SPECIFICATIONS

Gear Ratio.....	2.0384 to 1	(2.0384 to 1)
Mounting Face	6-1/2"	(165.1 mm)
Engine Shaft Diameter.....	1" or 1-1/8"	(25.4 or 28.6 mm)
Engine Shaft Length.....	3-1/4"	(82.6 mm)
Gearbox Crankcase Capacity	10 oz.	(0.30 L)

Pairs 58 Pump with 8051 or 8058 Gearbox

Gearbox Pumps

O.E.M.
1" Shaft

59G1

1-1/8" Shaft

59G118



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	5.5 GPM	(21 L/M)
Discharge Pressure	100 to 3500 PSI	(7 to 245 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
Pump RPM	1570 RPM	(1570 RPM)
Engine RPM	3200 RPM	(3200 RPM)
Horsepower - Electric.....	13.2 HP	(13.2 HP)
Bore	0.708"	(18 mm)
Stroke.....	0.728"	(18.5 mm)
Pump Crankcase Capacity.....	25 oz.	(0.75 L)
Weight w/Gearbox.....	32.18 lbs.	(14.7 kg)
Dimensions w/Gearbox.....	13.9" x 10.75" x 8.19"	(353 x 273 x 208 mm)

8071 - 8078 GEARBOX SPECIFICATIONS

Gear Ratio.....	2.0384 to 1	(2.0384 to 1)
Mounting Face	6-1/2"	(165.1 mm)
Engine Shaft Diameter.....	1" or 1-1/8"	(25.4 or 28.6 mm)
Engine Shaft Length.....	3-1/4"	(82.6 mm)
Gearbox Crankcase Capacity	10 oz.	(0.30 L)

Pairs 59 Pump with 8071 or 8078 Gearbox

7 FRAME

Gearbox
Drive

O.E.M.
1" Shaft

60G1

1-1/8" Shaft

60G118



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4.5 GPM	(17 L/M)
Discharge Pressure	100 to 4000 PSI	(7 to 275 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
Pump RPM	1570 RPM	(1570 RPM)
Engine RPM	3200 RPM	(3200 RPM)
Horsepower - Electric.....	12.3 HP	(12.3 HP)
Bore	0.708"	(18 mm)
Stroke.....	0.591"	(15 mm)
Pump Crankcase Capacity.....	25 oz.	(0.75 L)
Weight w/Gearbox.....	32.18 lbs.	(14.7 kg)
Dimensions w/Gearbox.....	13.9" x 10.75" x 8.19"	(353 x 273 x 208 mm)

8071 - 8078 GEARBOX SPECIFICATIONS

Gear Ratio.....	2.0384 to 1	(2.0384 to 1)
Mounting Face	6-1/2"	(165.1 mm)
Engine Shaft Diameter.....	1" or 1-1/8"	(25.4 or 28.6 mm)
Engine Shaft Length.....	3-1/4"	(82.6 mm)
Gearbox Crankcase Capacity	10 oz.	(0.30 L)

Pairs 60 Pump with 8071 or 8078 Gearbox

7 FRAME

Gearbox
Drive

O.E.M.
1" Shaft

70G1

1-1/8" Shaft

70G118



SPECIFICATIONS

	U.S. Measure	Metric Measure
Flow	4.5 GPM	(17 L/M)
Discharge Pressure.....	5000 PSI	(345 BAR)
Inlet Pressure	Flooded to 60 PSI	(Flooded to 4 BAR)
Pump RPM	1700 RPM	(1700 RPM)
Engine RPM	3465 RPM	(3465 RPM)
Horsepower - Electric.....	15.4 HP	(15.4 HP)
Bore	0.551"	(14 mm)
Stroke.....	0.945"	(24 mm)
Pump Crankcase Capacity.....	25 oz.	(0.75 L)
Weight w/Gearbox.....	44.5 lbs.	(20.3 kg)
Dimensions w/Gearbox.....	14.02" x 10.75" x 8.19"	(356 x 273 x 208 mm)

8071 - 8078 GEARBOX SPECIFICATIONS

Gear Ratio.....	2.0384 to 1	(2.0384 to 1)
Mounting Face	6-1/2"	(165.1 mm)
Engine Shaft Diameter.....	1" or 1-1/8"	(25.4 or 28.6 mm)
Engine Shaft Length.....	3-1/4"	(82.6 mm)
Gearbox Crankcase Capacity	10 oz.	(0.30 L)

Pairs 70 Pump with 8071 or 8078 Gearbox

7 FRAME

Gearbox
Drive

Motorized Pump Units



3CP, 5CP Motorized Units

Direct-Drive Motors 8023ES thru 8042ES 1.5 thru 6.0 Hp

Motorized Unit Features

- No pulley selection
- No belt slippage and adjustment
- No bulky belt guards
- No wasted assembly time
- No multiple source purchases

3 Frame and 3CP Plunger Pump Motorized Units

Prefix before BD is pump model (230BD151) • Suffix after BD is motor Hp/Phase (230BD151)

	230BD151 231BD151 237BD151 3CP1130BD151	230BD31 231BD31 237BD31 3CP1130BD31	230BD33 231BD33 237BD33 3CP1130BD33	3CP1130BD61	3CP1130BD63
Flow [GPM - 3 FR/3CP]	2.3/2.4	2.3/2.4	2.3/2.4	2.4	2.4
Pressure [PSI]	800	1500	1500	2200	2200
Flange Mount [3 FR/3CP]	8020/8001	8021/8002	8021/8002	8002	8002
Motor	8023ES	8024ES	8025ES	8041ES	8038ES
Shipping Unit Weight [3 FR].....	76 lbs.	110 lbs.	90 lbs.	—	—
Shipping Unit Weight [3CP]	77 lbs.	111 lbs.	91 lbs.	164 lbs.	120 lbs.
Shipping Unit Dimensions [3 FR/3CP]....	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"

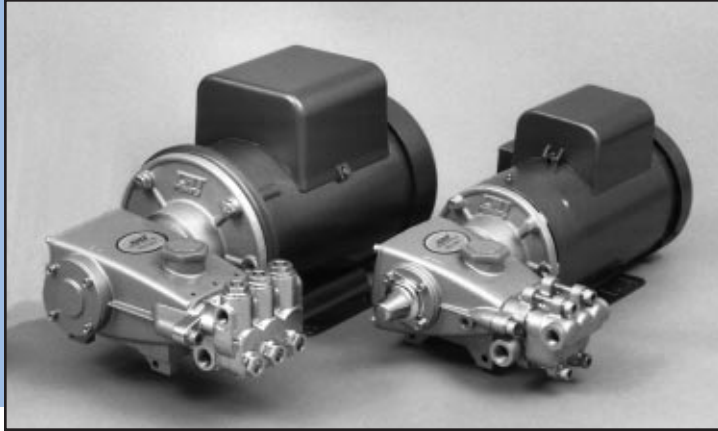
	240BD31 241BD31 247BD31 3CP1140BD31	240BD33 241BD33 247BD33 3CP1140BD33	3CP1140BD61	3CP1140BD63
Flow [GPM].....	3.6	3.6	3.6	3.6
Pressure [PSI]	1200	1200	2200	2200
Flange Mount [3 FR/3CP].....	8021/8002	8021/8002	8002	8002
Motor	8024ES	8025ES	8041ES	8038ES
Shipping Unit Weight [3 FR].....	110 lbs.	90 lbs.	—	—
Shipping Unit Weight [3 CP].....	111 lbs.	91 lbs.	164 lbs.	120 lbs.
Shipping Unit Dimensions [3 FR/3CP]	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"

	270BD31 3CP1120BD31	270BD33 3CP1120BD33	3CP1120BD61	3CP1120BD63
Flow [GPM].....	4.2	4.2	4.2	4.2
Pressure [PSI]	1000	1000	2100	2100
Flange Mount [3 FR/3CP].....	8021/8002	8021/8002	8002	8002
Motor	8024ES	8025ES	8041ES	8038ES
Shipping Unit Weight [3 FR].....	110 lbs.	90 lbs.	—	—
Shipping Unit Weight [3 CP].....	111 lbs.	91 lbs.	164 lbs.	120 lbs.
Shipping Unit Dimensions [3 FR/3CP]	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"

50 Hz motors available at 1450 RPM.

Refer to BD Manual or individual Op and Service Manual for maintenance of parts, service procedures and additional specifications.

Motorized Pump Units



3 FR, 5 FR Motorized Units

Pump Features

- Exclusive CAT PUMPS, specially formulated Hi-Pressure Seals for exceptionally long operation.
- Special concentric, high density, polished, graphite impregnated, solid ceramic plungers are abrasion resistant and result in extended seal life.
- Triplex plunger design providing low pulsation and quiet operation.
- Internally lubricated and cooled packings for extended life.

5 Frame and 5CP Plunger Pump Motorized Units

Prefix before BD is pump model (230BD151) • Suffix after BD is motor Hp/Phase (230BD151)

	340BD31 341BD31 347BD31 5CP2140WCSBD31	340BD33 341BD33 347BD33 5CP2140WCSBD33	340BD51 341BD51 347BD51 5CP2140WCSBD51
Flow [GPM]	4.0	4.0	4.0
Pressure [PSI].....	1100	1100	1800
Flange Mount [5 FR/5CP].....	8022/8003	8022/8003	8022/8003
Motor	8026ES	8027ES	8028ES
Shipping Unit Weight [5 FR]	121 lbs.	97 lbs.	128 lbs.
Shipping Unit Weight [5CP]	120 lbs.	96 lbs.	127 lbs.
Shipping Unit Dimensions [5 FR/5CP].....	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"

	340BD53 341BD53 347BD53 5CP2140WCSBD53	5CP2140WCSBD61	5CP2140WCSBD63
Flow [GPM]	4.0	4.0	4.0
Pressure [PSI].....	1800	2200	2200
Flange Mount [5 FR/5CP].....	8022/8003	8003	8003
Motor	8029ES	8042ES	8040ES
Shipping Unit Weight [5 FR]	112 lbs.	—	—
Shipping Unit Weight [5CP]	111 lbs.	163 lbs.	129 lbs.
Shipping Unit Dimensions [5 FR/5CP].....	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"

	350BD31 351BD31 357BD31 5CP2150WBD31	350BD33 351BD33 357BD33 5CP2150WBD33	350BD51 351BD51 357BD51 5CP2150WBD51
Flow [GPM]	5.0	5.0	5.0
Pressure [PSI].....	900	900	1500
Flange Mount [5 FR/5CP].....	8022/8003	8022/8003	8022/8003
Motor	8026ES	8027ES	8028ES
Shipping Unit Weight [5 FR]	121 lbs.	97 lbs.	128 lbs.
Shipping Unit Weight [5CP]	120 lbs.	96 lbs.	127 lbs.
Shipping Unit Dimensions [5 FR/5CP].....	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"

	350BD53 351BD53 357BD53 5CP2150WBD53	5CP2150WBD61	5CP2150WBD63
Flow [GPM]	5.0	5.0	5.0
Pressure [PSI].....	1500	1750	1750
Flange Mount [5 FR/5CP].....	8022/8003	8003	8003
Motor	8029ES	8042ES	8040ES
Shipping Unit Weight [5 FR]	112 lbs.	—	—
Shipping Unit Weight [5CP]	111 lbs.	163 lbs.	129 lbs.
Shipping Unit Dimensions [5 FR/5CP].....	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"	26.5"x16.5"x16.0"

50 Hz motors available at 1450 RPM.

Refer to BD Manual or individual Op and Service Manual for maintenance of parts, service procedures and additional specifications.

Flexible Couplings - Bell Housings



Direct-Drive Electric Mount

FEATURES

- Quick, simple field retrofit for any belt or gearbox drive system.
- Eliminates belt selection, sizing and adjustment.
- Compact direct mounting feature reduces space required for belts or gearbox drive assemblies.
- Insulates against heat transfer.
- No moving parts for long life and easy maintenance.
- Special urethane flexible spyder designed for extended life with high temp and high RPM conditions.

Flexible Coupling Models

34394, 34395, 34396, 34418

SPECIFICATIONS

ELECTRIC	34394	34395	34396	34418
Maximum Horsepower.....	2 HP	3 HP	10 HP	10 HP
Key Size.....	M5	M5	M5	M6
Shaft to Shaft Dimension.....	M16.5 to 5/8"	M16.5 to 1-1/8"	M16.5 to 1-1/8"	M20.0 to 1-1/8"
Diameter/Length	2.17" x 3.04"	2.17" x 3.04"	2.56" x 3.04"	2.56" x 3.53"
Weight.....	.58 lbs.	.67 lbs.	1.16 lbs.	1.15 lbs.
Pump Model	3CP1120 3CP1130 3CP1140 230 231 237	3CP1120 3CP1130 3CP1140 240, 270 241, 271 247, 277	3CP1120 3CP1130 3CP1140 240, 270 241, 271 247, 277	5CP2140WCS 5CP2150W 340, 350 341, 351 347, 357

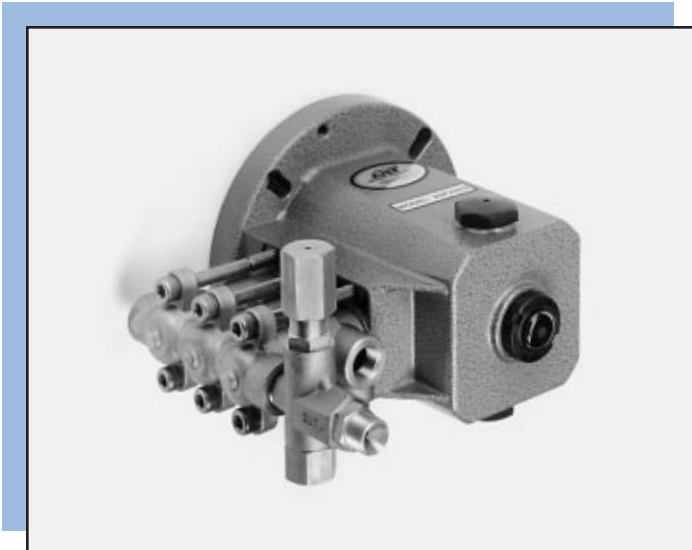
Bell Housing Models

34121, 34126, 34131, 34422, 34423, 34424

SPECIFICATIONS

ELECTRIC	34121	34126	34131	34422	34423	34424
Pump Frame Size.....	3 FR	3 FR	5 FR	3CP	3CP	5CP
Motor Frame Size.....	2 HP-56C 145FR	3 HP-182TC 184TC	5 HP-182TC 184TC	2 HP-56C 145FR	7.5 HP-182TC 184TC	10 HP-184TC 213TC
Weight.....	1.13 lbs.	1.88 lbs.	1.88 lbs.	1.56 lbs.	3.13 lbs.	3.13 lbs.
Dimensions						
Motor Face.....	6.5" (165 mm)	8.5" (216 mm)	8.5" (216 mm)	6.49" (165 mm)	8.86" (225 mm)	8.86" (225 mm)
Pump Face.....	3.46" (88 mm)	3.46" (88 mm)	4.05" (103 mm)	4.06" (103 mm)	4.06" (103 mm)	4.06" (103 mm)
Length	3.85" (98 mm)	4.52" (115 mm)	4.52" (115 mm)	3.86" (98 mm)	4.96" (126 mm)	4.96" (126 mm)
Pump Model	230 231 237	240, 270 241, 271 247, 277	340, 350 341, 351 347, 357	3CP1120 3CP1130 3CP1140	3CP1120 3CP1130 3CP1140	5CP2140WCS 5CP2150W

2SF Triplex Plunger Pumps



Electric motor or gas engine must be purchased separately.

Direct-Drive Gas or Electric

PUMP SPECIFICATIONS

	U.S. Measure	Metric Measure	U.S. Measure	Metric Measure
Model	2SF10CEE		2SF20CEE	
Flow	1 GPM	(3.8 L/M)	2 GPM	(7.6 L/M)
Discharge Pressure.....	1200 PSI	(85 BAR)	1200 PSI	(85 BAR)
RPM.....	3450 RPM	(3450 RPM)	3450 RPM	(3450 RPM)
Stroke	0.067"	(1.7 mm)	0.122"	(3.1 mm)

Model	2SF20ES		2SF22ES	
Flow	2 GPM	(7.6 L/M)	2.2 GPM	(8.3 L/M)
Discharge Pressure.....	2000 PSI	(140 BAR)	2000 PSI	(140 BAR)
RPM.....	3450 RPM	(3450 RPM)	3450 RPM	(3450 RPM)
Stroke	0.122"	(3.1 mm)	0.132"	(3.35 mm)

Model	2SF22ELS		2SF22GS	
Flow	2.2 GPM	(8.3 L/M)	2.2 GPM	(8.3 L/M)
Discharge Pressure.....	2000 PSI	(140 BAR)	2000 PSI	(140 BAR)
RPM.....	1725 RPM	(1725 RPM)	3450 RPM	(3450 RPM)
Stroke	0.248"	(6.3 mm)	0.1323"	(3.35 mm)

Model	2SF22SLS			
Flow.....	2.2 GPM		(8.3 L/M)	
Discharge Pressure	2000 PSI		(140 BAR)	
RPM.....	1725 RPM		(1725 RPM)	
Stroke.....	0.248"		(6.3 mm)	

Model	2SF29ELS		2SF29CEEL	
Flow	2.85 GPM	(10.8 L/M)	2.85 GPM	(10.8 L/M)
Discharge Pressure.....	1500 PSI	(105 BAR)	1200 PSI	(85 BAR)
RPM.....	1725 RPM	(1725 RPM)	1725 RPM	(1725 RPM)
Stroke	0.335"	(8.5 mm)	0.335"	(8.5 mm)

Model	2SF30ES		2SF30GS	
Flow	3 GPM	(11.4 L/M)	3 GPM	(11.4 L/M)
Discharge Pressure.....	1500 PSI	(105 BAR)	2000 PSI	(140 BAR)
RPM.....	3450 RPM	(3450 RPM)	3450 RPM	(3450 RPM)
Stroke	0.177"	(4.5 mm)	0.177"	(4.5 mm)
	Optional Electric 3/4" Shaft 2SF30GES			

Model	2SF35ES		2SF35GS	
Flow	3.5 GPM	(13.2 L/M)	3.5 GPM	(13.2 L/M)
Discharge Pressure.....	1500 PSI	(105 BAR)	2000 PSI	(140 BAR)
RPM.....	3450 RPM	(3450 RPM)	3450 RPM	(3450 RPM)
Stroke	0.220"	(5.6 mm)	0.220"	(5.6 mm)
	Optional Electric 3/4" Shaft 2SF35GES			

ES, ELS = **Electric 5/8"** hollow shaft with bolt mount
 GES = **Electric 3/4"** hollow shaft with bolt mount
 GS = **Gas 3/4"** hollow shaft with bolt and adapter mount
 SLS = **Electric 3/4"** solid shaft complete with bracket mount
 Add "3" to part number for Hi-Temp version.

COMMON PUMP SPECIFICATIONS

Inlet Pressure	Standard	* -2 to 75 PSI	(-0.14 to 5.20 BAR)
	Hi-Temp	30 to 75 PSI	(2.1 to 5.20 BAR)
Bore.....		0.708"	(18 mm)
Max. Fluid Temperature	Standard	160°F	(71°C)
	Hi-Temp	190°F	(88°C)
Crankcase Capacity		11.83 oz.	(.35 L)
Inlet Ports (1)		3/8" NPTF	(3/8" NPTF)
Outlet Ports (2)		3/8" NPTM	(3/8" NPTM)
By-Pass Ports (1)		1/4" NPTF	(1/4" NPTF)
Weight (Pump Only).....		10.6 lbs.	(4.8 kg)
Dimensions (Pump Only)		9.13" x 6.65" x 6.50"	(232 x 169 x 165mm)

* For **MAXIMUM SUCTION** capability, Regulating Unloader should be remounted on Discharge Manifold, OPPOSITE from inlet port.

After prolonged storage, pump should be purged of air to facilitate priming. Disconnect any outlet port and allow fluid to pass through pump.

Inquire about "X" version with built-in by-pass hose and oil in crankcase.

MOTOR SPECIFICATIONS

Model 8050	1.5 HP
Horsepower	5/8"
Shaft Diameter	115V
Max. Volts	12.1 Amps
FULL LOAD AMPS	3450 RPM
RPM.....	48 lbs.
Weight	1.15
Service Factor	

Model 8052	2.0 HP
Horsepower	5/8"
Shaft Diameter	115/230V
Max. Volts	17.0/9.2-8.5 Amps
FULL LOAD AMPS	3450 RPM
RPM.....	43 lbs.
Weight	1.15
Service Factor	

Model 8055	3.0 HP
Horsepower	3/4"
Shaft Diameter	208-230V
Max. Volts	15.2/13.6 Amps
FULL LOAD AMPS	3450 RPM
RPM.....	48 lbs.
Weight	1.15
Service Factor	

*Use 3/4" shaft size motor with GES pumps.

Model 8060	1.5 HP
Horsepower	5/8"
Shaft Diameter	115/208-230V
Max. Volts	14.0/7.0 Amps
FULL LOAD AMPS	1725 RPM
RPM.....	48 lbs.
Weight	1.2
Service Factor	

Model 8062	2.0 HP
Horsepower	5/8"
Shaft Diameter	115/230V
Max. Volts	17.0/8.5 Amps
FULL LOAD AMPS	1725 RPM
RPM.....	55 lbs.
Weight	1.15
Service Factor	

COMMON MOTOR SPECIFICATIONS

Phase	Single
Frame Size	56-C TEFC
Hertz	60 Hz
Max. Operating Temperature.....	104°F
Capacitor Start	Yes
Thermal Overload-Manual Reset	Yes
U.L. Reference No. (Models 8050, 8055)	E49747
U.L. Reference No. (Models 8052, 8060, 8062)	E44549
U.L. Insulation Reference (All Models).....	E37878
CSA Reference No. (Model 8050).....	LR45148
CSA Reference No. (Models 8052, 8060, 8062).....	LR4642
CSA Reference No. (Model 8055).....	LR2025

Note: Motor Start-up AMPS may vary, then settle within FULL LOAD AMPS Rating after initial run in time. Add .50 for 50 Hz motors (available upon request).

4SF Triplex Plunger Pumps



Electric motor or gas engine must be purchased separately.

Direct-Drive Gas or Electric

PUMP SPECIFICATIONS

	U.S. Measure	Metric Measure	U.S. Measure	Metric Measure
Model			4SF32ELS	
Flow			3.2 GPM	(12.1 L/M)
Discharge Pressure			3500 PSI	(245 BAR)
RPM			1725 RPM	(1725 RPM)
Stroke			0.311"	(7.9 mm)
Model			4SF40ELS	
Flow			4 GPM	(15 L/M)
Discharge Pressure			3500 PSI	(245 BAR)
RPM			1725 RPM	(1725 RPM)
Stroke			0.382"	(9.7 mm)
Model			4SF45ELS	
Flow			4.5 GPM	(17 L/M)
Discharge Pressure			3000 PSI	(210 BAR)
RPM			1725 RPM	(1725 RPM)
Stroke			0.437"	(11.1 mm)

Model			4SF50ELS	
Flow			5 GPM	(19.0 L/M)
Discharge Pressure			2500 PSI	(175 BAR)
RPM			1725 RPM	(1725 RPM)
Stroke			0.453"	(11.5 mm)

Model			4SF30GS1	
Flow			3 GPM	(11.4 L/M)
Discharge Pressure			3500 PSI	(245 BAR)
RPM			3200 RPM	(3200 RPM)
Stroke			0.173"	(4.4 mm)

Model			4SF35GS1	
Flow			3.5 GPM	(13.2 L/M)
Discharge Pressure			3500 PSI	(245 BAR)
RPM			3200 RPM	(3200 RPM)
Stroke			0.197"	(5.0 mm)

Model			4SF40GS1	
Flow			4 GPM	(15.0 L/M)
Discharge Pressure			3500 PSI	(245 BAR)
RPM			3200 RPM	(3200 RPM)
Stroke			0.224"	(5.7 mm)

	4SF45GS1		4SF45GS118	
Flow	4.5 GPM	(17 L/M)	4.5 GPM	(17 L/M)
Discharge Pressure	3000 PSI	(210 BAR)	3000 PSI	(210 BAR)
RPM	3200 RPM	(3200 RPM)	3200 RPM	(3200 RPM)
Stroke	0.256"	(6.5 mm)	0.256"	(6.5 mm)

Model			4SF50GS1	
Flow			5 GPM	(19.0 L/M)
Discharge Pressure			2500 PSI	(175 BAR)
RPM			3200 RPM	(3200 RPM)
Stroke			0.276"	(7.0 mm)

ELS = Electric 1-1/8" hollow shaft with bolt mount
 GS1 = Gas 1" hollow shaft with bolt and adapter mount
 GS118 = Gas 1-1/8" hollow shaft with bolt and adapter mount

COMMON PUMP SPECIFICATIONS

Inlet Pressure			
Electric		* -2 to 75 PSI	(-0.14 to 5.20 BAR)
Gas		Flooded to 75 PSI	(Flooded to 5.20 BAR)
Bore		0.787"	(20 mm)
Max. Fluid Temperature		160° F	(71° C)
Crankcase Capacity		23.66 oz.	(.70 L)
Inlet Port (1)		1/2" NPTF	(1/2" NPTF)
By-Pass Port (1)		3/8" NPTF	(3/8" NPTF)
Outlet Ports (2)		3/8" NPTM	(3/8" NPTM)
Auxiliary Port (1)		1/4" NPTF	(1/4" NPTF)
Weight (Pump)		24.31 lbs.	(11.0 kg)
Dimensions (Pump Only)		8.27" x 11.06" x 12.28"	(210 x 281 x 312 mm)

* For **MAXIMUM SUCTION** capability, Regulating Unloader should be remounted on Discharge Manifold, OPPOSITE from inlet port.

Add .50 for 50 Hz motors (available upon request).

MOTOR SPECIFICATIONS

Model 8041

Horsepower	
Frame Size	184 TC TEFC
Max. Volts	230V
AMPS	26.0 Amps
RPM	1725 RPM
Weight	90.1 lbs.
Capacitor Start	Yes
Service Factor	1.0

Model 8042

Horsepower	
Frame Size	184 TC TEFC
Max. Volts	208-230/460V
AMPS	15/13.2/6.6 Amps
RPM	1725 RPM
Weight	84 lbs.
Service Factor	1.15

Model 8043

Horsepower	
Frame Size	215 TCZ TEFC w/184C FACE
Max. Volts	208-230V
AMPS	34/31 Amps
RPM	1725 RPM
Weight	133.4 lbs.
Capacitor Start	Yes
Service Factor	1.0

Model 8044

Horsepower	
Frame Size	215 TCZ TEFC w/184C FACE
Max. Volts	208-230/460V
AMPS	21.5/20/10 Amps
RPM	1725 RPM
Weight	110.2 lbs.
Service Factor	1.15

Model 8046

Horsepower	
Frame Size	215 TCZ TEFC w/184C FACE
Max. Volts	208-230/460V
AMPS	28/26/13 Amps
RPM	1725 RPM
Weight	140.1 lbs.
Service Factor	1.15

COMMON MOTOR SPECIFICATIONS

Thermal Overload-Manual Reset	No
Cycle	60 HZ
Max. Operating Temperature	104°F
Shaft Diameter	1-1/8"
UL Reference No.	E-46145
CSA Reference No.	LR-2262

Single Phase 5.0 HP

Frame Size	184 TC TEFC
Max. Volts	230V
AMPS	26.0 Amps
RPM	1725 RPM
Weight	90.1 lbs.
Capacitor Start	Yes
Service Factor	1.0

Three Phase 5.0 HP

Frame Size	184 TC TEFC
Max. Volts	208-230/460V
AMPS	15/13.2/6.6 Amps
RPM	1725 RPM
Weight	84 lbs.
Service Factor	1.15

Single Phase 7.5 HP

Frame Size	215 TCZ TEFC w/184C FACE
Max. Volts	208-230V
AMPS	34/31 Amps
RPM	1725 RPM
Weight	133.4 lbs.
Capacitor Start	Yes
Service Factor	1.0

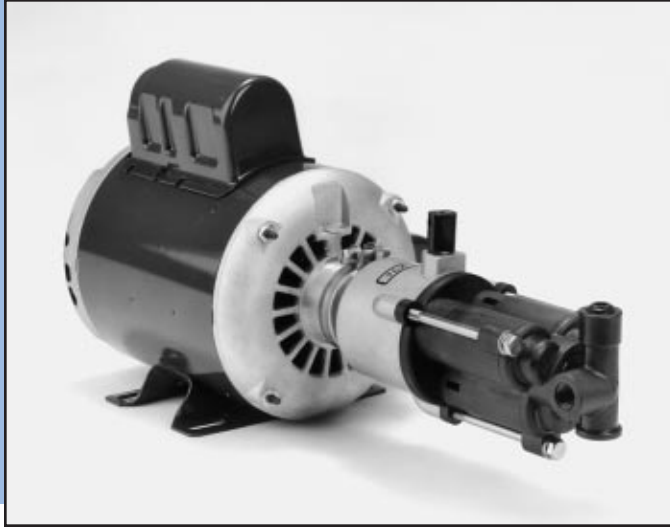
Three Phase 7.5 HP

Frame Size	215 TCZ TEFC w/184C FACE
Max. Volts	208-230/460V
AMPS	21.5/20/10 Amps
RPM	1725 RPM
Weight	110.2 lbs.
Service Factor	1.15

Three Phase 10.0 HP

Frame Size	215 TCZ TEFC w/184C FACE
Max. Volts	208-230/460V
AMPS	28/26/13 Amps
RPM	1725 RPM
Weight	140.1 lbs.
Service Factor	1.15

1LX Axial Plunger Pumps



Direct-Drive Electric

FEATURES

- Low amp draw for compatibility with portable machines.
- Smooth, quiet operation for sound sensitive areas.
- Special Hi-Pressure and Lo-Pressure Seals offer exceptional life.
- RTP heat resistant fluid end and Regulator.
- Mechanically actuated plungers offer greater efficiency.
- Direct coupled motors for compact, easy assembly.

MOTOR SPECIFICATIONS

Model 8088

Horsepower	1/3 HP
FULL LOAD AMPS.....	3.0 Amps
Capacitor Start	Yes
Service Factor	1.15
Weight U.S.....	20.0 lbs.
Metric.....	9.1 kg
Dimensions U.S.....	15.36" x 7.63" x 7.81"
Metric.....	390.14 x 193.8 x 198.37 mm

Model 8089

Horsepower	1/2 HP
FULL LOAD AMPS.....	5.0 Amps
Capacitor Start	Yes
Service Factor	1.15
Weight U.S.....	21.25 lbs.
Metric.....	9.65 kg
Dimensions U.S.....	16.92" x 7.63" x 7.81"
Metric.....	429.76 x 193.8 x 198.37 mm

COMMON MOTOR SPECIFICATIONS

Phase	Single
Hertz	50/60 HZ
Max. Operating Temperature.....	104°F
Volts.....	115/230 V
RPM.....	1425/1725 RPM
Shaft	Clamp Coupling
Frame Size	Nema 48
Service Factor	1.15
U. L. Reference No.	E-22922
CSA Reference No.	LR-2459
CE Reference No.	Pending

PUMP SPECIFICATIONS

	U.S. Measure	Metric Measure
Model		1LX100
Flow	1 GPM	(3.8 L/M)
Discharge Pressure.....	500 PSI	(35 BAR)
RPM	1725 RPM	(1725 RPM)
Stroke	0.29"	(7.4 mm)
Model		1LX125
Flow	1.25 GPM	(4.75 L/M)
Discharge Pressure.....	500 PSI	(35 BAR)
RPM	1725 RPM	(1725 RPM)
Stroke	0.35"	(8.9 mm)

COMMON PUMP SPECIFICATIONS

Inlet Pressure	Flooded to +20 PSI	(Flooded to +1.4 BAR)
Bore.....	0.47"	(12 mm)
Crankcase Capacity	2.36 oz.	(.70 L)
Max. Fluid Temperature ..	160° F	(71°C)
Inlet Port (1)	1/2" NPTF	(1/2" NPTF)
By-Pass Port (1).....	1/4" NPTF	(1/4" NPTF)
Outlet Port (1)	1/4" NPTF	(3/8" NPTF)
Weight	2.65 lbs.	(1.2 kg)
Dimensions	4.4" x 3.2" x 8.4"	(112 x 81 x 212 mm)

DX Triplex Plunger Pumps



Electric motor or gas engine sold separately.

2DX PUMP FEATURES

- Triplex plunger design provides a smooth fluid flow.
- Specially formulated Hi-Pressure Seals and ENP precisioned machined plungers assure maximum seal life.
- Ultimate compact, direct-drive unit for maximum portability.
- Modular Regulating Unloader with built-in by-pass standard on all units to assure system pressure control and pump protection.
- Built-in chemical injector standard on all units offers cleaning flexibility.
- Interchangeable, stacked valve design for ease in servicing.
- Inlet, swivel, garden hose fitting with filter screen.



Gas engine sold separately.

5DX PUMP FEATURES

- Triplex plunger design provides a smooth fluid flow.
- Specially formulated Hi-Pressure V-Packing and concentrically ground ceramic plungers assure maximum seal life.
- Built-in flange mount for easy, direct mounting to most gas engines. Eliminates the need for pulleys, belts, gearboxes.
- Modular Regulating Unloader with built-in by-pass and flow-thru screws is standard to assure system pressure control and pump protection.
- Optional direct mounting fixed or adjustable Chemical Injector for cleaning flexibility.

Direct-Drive Gas or Electric

PUMP SPECIFICATIONS

	U.S. Measure	Metric Measure	U.S. Measure	Metric Measure
Models	2DX20E		2DX20EN	
Flow	2 GPM	(7.6 L/M)	2 GPM	(7.6 L/M)
Discharge Pressure.....	1500 PSI	(105 BAR)	1500 PSI	(105 BAR)
RPM.....	3450 RPM	(3450 RPM)	3450 RPM	(3450 RPM)
Stroke	0.165"	(4.2 mm)	0.165"	(4.2 mm)
Shaft Diameter (Hollow)	5/8"	(15.8 mm)	5/8"	(15.8 mm)
Models	2DX30GS		2DX30GNS	
Flow	3 GPM	(11.4 L/M)	3 GPM	(11.4 L/M)
Discharge Pressure.....	2000 PSI	(140 BAR)	2000 PSI	(140 BAR)
RPM.....	3400 RPM	(3400 RPM)	3400 RPM	(3400 RPM)
Stroke	0.244"	(6.2 mm)	0.244"	(6.2 mm)
Shaft Diameter (Hollow)	3/4"	(19.0 mm)	3/4"	(19.0 mm)

COMMON PUMP SPECIFICATIONS

	U.S. Measure	Metric Measure
Inlet Pressure.....	Flooded to 60 PSI	(Flooded to 4 BAR)
Bore	0.630"	(16 mm)
Max. Fluid Temperature	140° F	(60° C)
Crankcase Capacity.....	8.5 oz.	(0.25 L)
Inlet Port (1)	3/4" GH	(3/4" GH)
Outlet Port (1)	3/8" NPTM	(3/8" NPTM)
Chemical Injection Barb.....	8/32" UNF	(8/32" UNF)
Weight.....	11.7 lbs.	(5.3 kg)
Dimensions	7.99" x 7.75" x 6.29"	(203 x 197 x 160 mm)

EN, GNS = Nickel Plated Plungers, E, GS = Ceramic Plungers

Direct-Drive Gas

PUMP SPECIFICATIONS

	U.S. Measure	Metric Measure
Model 5DX30G1		
Flow	3 GPM	(11.4 L/M)
Discharge Pressure	100 to 3200 PSI	(7 to 220 BAR)
Stroke.....	0.252"	(6.4 mm)
Model 5DX35G1		
Flow	3.5 GPM	(13.2 L/M)
Discharge Pressure	100 to 3200 PSI	(7 to 220 BAR)
Stroke.....	0.311"	(7.9 mm)
Model 5DX40G1		
Flow	4 GPM	(15.0 L/M)
Discharge Pressure	100 to 3200 PSI	(7 to 220 BAR)
Stroke.....	0.354"	(9.0 mm)
Model 5DX50G1		
Flow	5 GPM	(19.0 L/M)
Discharge Pressure	100 to 2500 PSI	(7 to 175 BAR)
Stroke.....	0.441"	(11.2 mm)

COMMON PUMP SPECIFICATIONS

	U.S. Measure	Metric Measure
Inlet Pressure.....	Flooded to 75 PSI	(Flooded to 5.20 BAR)
RPM	3200 RPM	(3200 RPM)
Engine Mounting Face.....	6.5"	(165.1 mm)
Bore	0.630"	(16 mm)
Shaft Diameter (Hollow).....	1"	(25.4 mm)
Max. Fluid Temperature	140°F	(62° C)
Crankcase Capacity.....	22.65 oz.	(0.67 L)
Inlet Ports (2)	1/2" NPTF	(1/2" NPTF)
Outlet Ports (2)	3/8" NPTF	(3/8" NPTF)
Weight.....	24.55 lbs.	(11.1 kg)
Dimensions	10.83" x 7.08" x 6.38"	(275 x 180 x 162 mm)

High Pressure Cleaning System



SPECIFICATIONS

Model 2X1000* and 2X1000HT



	U. S. Measure	Metric Measure
Flow	2 GPM	(7.6 L/M)
Discharge Pressure.....	1000 PSI	(70 BAR)
Horsepower.....	1.5 HP	(1.5 HP)
Voltage.....	110 to 115V, 60 Hz	(110 to 115V, 60 Hz)
Maximum Amperage.....	15 Amps	(15 Amps)
Weight.....	60 lbs.	(27.1 Kg)

Model 2X1500 and 2X1500HT

Flow	2 GPM	(7.6 L/M)
Discharge Pressure.....	1500 PSI	(105 BAR)
Horsepower.....	2.0 HP	(2.0 HP)
Voltage.....	110 to 115V, 60 Hz	(110 to 115V, 60 Hz)
Maximum Amperage.....	20 Amps	(20 Amps)
Weight.....	73 lbs.	(33.2 Kg)

Model 3X1000* and 3X1000HT

Flow	3 GPM	(11.4 L/M)
Discharge Pressure.....	1000 PSI	(70 BAR)
Horsepower.....	2.0 HP	(2.0 HP)
Voltage.....	110 to 115V, 60 Hz	(110 to 115V, 60 Hz)
Maximum Amperage.....	20 Amps	(20 Amps)
Weight.....	73 lbs.	(33.2 Kg)

Model 3X1250

Flow	2.4 GPM	(9.0 L/M)
Discharge Pressure.....	1000 PSI	(70 BAR)
Horsepower.....	2.0 HP	(2.0 HP)
Voltage.....	220V, 50 Hz	(220 V, 50 Hz)
Maximum Amperage.....	10.2 Amps	(10.2 Amps)
Weight.....	73 lbs.	(33.2 Kg)

Model 2X2000HT

Flow	2.2 GPM	(8.3 L/M)
Discharge Pressure.....	2000 PSI	(140 BAR)
Horsepower.....	3.0 HP	(3.0 HP)
Voltage.....	208 to 230V, 60 Hz	(208 to 230V, 60 Hz)
Maximum Amperage.....	14 Amps	(14 Amps)
Weight.....	79 lbs.	(35.9 Kg)

Model 3X1500HT

Flow	3 GPM	(11.4 L/M)
Discharge Pressure.....	1500 PSI	(105 BAR)
Horsepower.....	3.0 HP	(3.0 HP)
Voltage.....	208 to 230V, 60 Hz	(208 to 230V, 60 Hz)
Maximum Amperage.....	14 Amps	(14 Amps)
Weight.....	79 lbs.	(35.9 Kg)

COMMON SPECIFICATIONS

Inlet Pres. (Standard).....	Flooded to 75 PSI	(Flooded to 5.20 BAR)
(Hi-Temp).....	30 to 75 PSI	(2.0 to 5.20 BAR)
Max. Fluid Temp. (Standard).....	140°F	(60°C)
(Hi-Temp).....	190°F	(88°C)
Pump Oil Capacity.....	11.83 oz.	(0.35 L)
Hose Length.....	30 ft.	(9.1M)
Cord Length.....	35 ft.	(10.7M)
Wand Length (Standard).....	24 in.	(610 mm)
(Hi-Temp).....	36 in.	(914 mm)
Dimensions.....	21.75" x 17.0" x 9.62"	(553 x 432 x 244 mm)

*Add "P" for pulsating models.

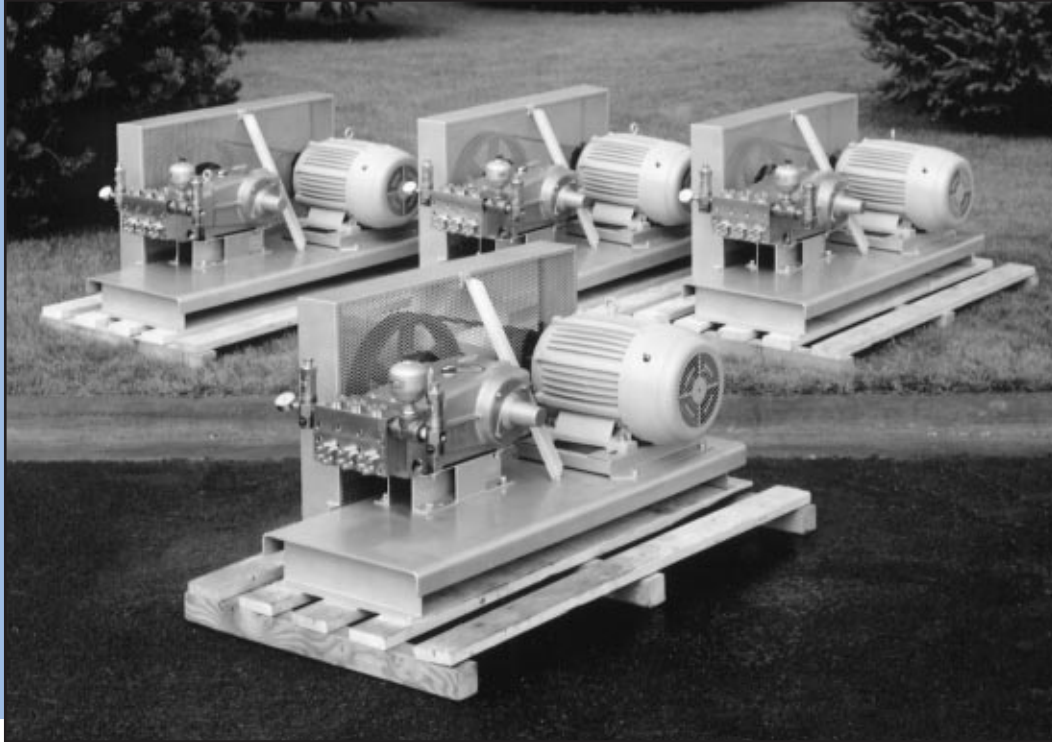


STANDARD FEATURES

- Proven dependability of the **Cat Pump ceramic SF Plunger Pump** offers unequalled performance life in its horsepower range.
- Custom designed, **American made industrial electric motor** features a thermal overload protection with reset and low amp draw performance.
- A **35 foot electrical cord** features a Ground-Fault Circuit-Interrupter for protection and maximum safety during operation.
- A convenient **Pop-Up cord wrap** makes carrying and storing easy and neat.
- Versatile **Vari-Nozzle** features low to high pressure adjustment as well as 0° to 60° spray angle adjustment for low pressure chemical application and high pressure rinse.
- Adjustable Pressure Regulating **Unloader** permits the setting and maintaining of system pressure.
- **Chemical Injector** with inlet hose and chemical strainer permits chemical and cleaning solution application at operator selected intensity.
- Dual **Pressure Switches** with mechanical relay on "**Hi-Temp**" units shuts unit off when trigger gun is released or when there is insufficient flow to the inlet of the unit.
- Safety **By-Pass Hose** with **Thermo Valve** on "standard units" minimizes excessive fluid heat build-up during intermittent non-use.
- Lightweight **Shut-off Gun** with insulated lance and quick coupler allows easy assembly and quick changes to the many standard or optional accessories.
- Easy-to-read glycerine filled **Pressure Gauge** permits pressure adjustments to meet exact spraying or cleaning needs and the monitoring of system performance.
- A 30 ft. **High Performance Hose** with swivel and quick disconnect for ease in operation and assembly.
- High impact molded plastic **case** is extremely durable, lightweight and compact.

See separate catalog for complete line of standard and optional accessories.

Power Units



Custom Built Power Units from 10-75 Hp

Minimize time and cost for designing, sourcing and fabricating.

- Rugged, heavy-duty construction in a compact, streamline style for stationary installation or convenient portable unit with optional wheels and handle and stacked style for tight spaces.
- Base plate of 3/8", 2 mil epoxy powder coated steel or 304SS with rugged 1/4" channel steel base supports for maximum weight load and minimum flexing.
- Free standing or bolt down leveling and vibration shock mounts to accommodate individual or add-on installations.
- Two screw adjustable motor bases in epoxy coated or 304SS to simplify belt tension and adjustment.
- Reinforced, 13-gauge flattened, expanded metal, 1/2" mesh, belt guards and contour formed base plate sides for safety.
- 50Hz or 60Hz electric motors, hydraulic motors or gas engine drives available.
- Flow and pressure tested before shipment with exceptionally fast turn-around time of 2-4 weeks on most units.

***Single or Multiple Pump Units Available
to Meet a Variety of Application Needs***

Power Unit Quotation Checklist

CAT PUMPS MODEL SELECTION

5-10 FRAME

- 5CP6120 Pump - BB
- 5CP6121 Pump - SS
- 70 Pump - BB
- 781 Pump - SSLB
- 650 Pump - BB
- 651 Pump - SS
- 681 Pump - SSLB
- 820 Pump - BB
- 821 Pump - S
- 1010 Pump - BB
- 1011 Pump - S

15-25 FRAME

- 1050 Pump - BB
- 1057 Pump - NAB
- 1051 Pump - SS
- 1520 Pump - BB
- 1521 Pump - S
- 1851 Pump - SSLB
- 2520 Pump - BB
- 2521 Pump - S
- 2530 Pump - BB
- 2537 Pump - NAB
- 2831 Pump - SSLB

35-38 FRAME

- 3507 Pump - NAB
- 3517 Pump - NAB
- 3520 Pump - BB
- 3521 Pump - SS
- 3527 Pump - NAB

Other _____

- 3535 Pump - BB
- 3537 Pump - NAB
- 3531 Pump - SS
- 3801 Pump - SSLB
- 3811 Pump - SSLB
- 3821 Pump - SSLB
- 3831 Pump - SSLB
- 3545 Pump - BB
- 3541 Pump - SS

60-68 FRAME

- 6020 Pump - BB
- 6021 Pump - S
- 6040 Pump - BB
- 6041 Pump - S
- 6761 Pump - SS
- 6767 Pump - NAB
- 6861 Pump - SSLB
- 6811 Pump - SSLB
- 6821 Pump - SSLB
- 6831 Pump - SSLB
- 6841 Pump - SSLB

BB=Brass NAB=Nickel Aluminum Bronze S=304SS SS=316SS SSLB=316SSL Block-Style Manifold

APPLICATION

SYSTEM SPECIFICATIONS

GPM _____ RPM _____
 PSI: Min. _____ Max. _____ Working _____
 Duty: Interm _____ Cont _____ Hrs/Day _____
 Head Materials _____
 Elastomers _____

PUMPING CONDITIONS

Fluid: Freshwater _____ Sea Water _____ Hard Water _____
 Chemicals: _____
 Fluid Temp: Amb. _____ <140°F _____ <180°F _____
 Inlet PSI _____ Gravity _____ City _____
 Tank Size _____ Booster _____ Suction _____
 Environment Temp. _____ Noise Level _____
 Elevation _____

DRIVE MECHANISM

V-Belt _____ Coupling _____
 Gearbox _____
 Vari-Drive _____
 Hydraulic Drive _____

ELECTRIC MOTOR DRIVE (All Motors TEFC)

Voltage _____ Phase _____
 RPM _____ Amps _____
 Horse Power _____ Cycle _____ 50 _____ 60 _____
 Isol. Class _____ TEFC _____ Open Drip _____
 Hazardous _____ San. Wash Down _____ Explosion _____
 Hostile Duty _____ Prem. Eff. _____

ACCESSORIES

Inlet Section:

C.A.T. (w/Adapters) _____
 Dual Filters _____
 Inlet Pressure Regulator _____
 Oilers _____

Discharge Section:

Regulator/Unloader _____
 Pulsation Dampener _____
 Safety Valve/Pop-Off Valve _____
 Thermo Valve _____
 Pressure Gauge _____
 High Pressure Hose _____
 Nozzles _____ Guns _____ Lances _____
 Other _____

FRAME/SKID

Base Plate w/Belt Guard, Shock Mounts _____
 Epoxy Coated _____ S.S. _____
 Wheels _____ Swivel _____ Locking _____
 Handle _____

OTHER TOTAL SYSTEM DATA

Portable _____ Stationary _____ Shipboard _____
 Enclosed (Ventilated) _____
 Sketch Provided _____ Drawing Req. _____
 Planned Maintenance Cycle _____

Date Quote Needed

Qty Unit(s) Needed

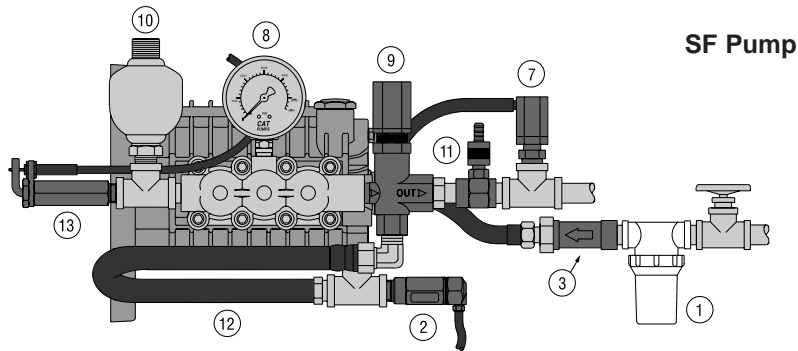
Additional Comments

Requesting Company

Name _____
 Company _____
 Address _____
 Phone _____
 FAX _____

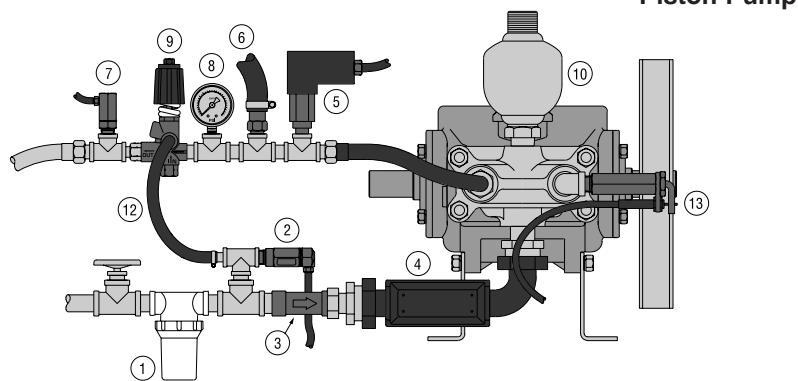
Copy this page and Fax to CAT PUMPS at 612-780-2958

Typical Installation

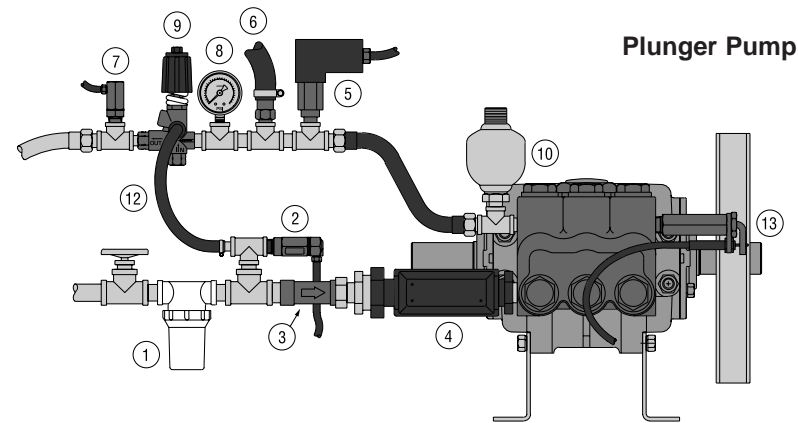


SF Pump

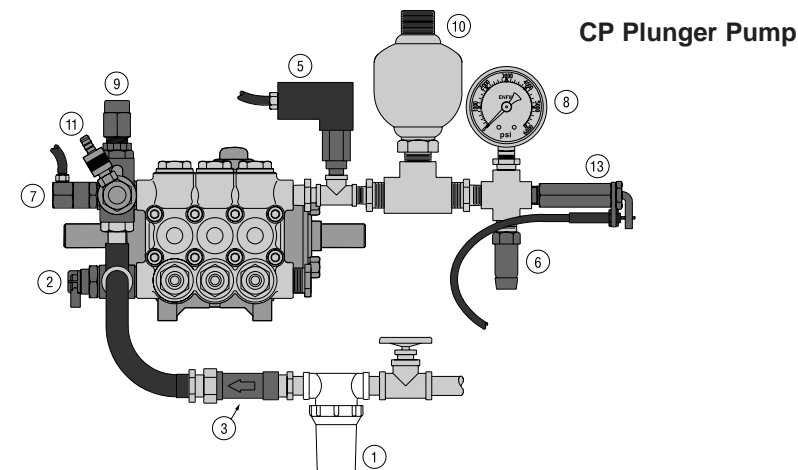
- 1 Inlet Filter
- 2 Thermo Valve
- 3 Inlet Pressure Regulator
- 4 C.A.T. Tube (Captive Acceleration Tube)
- 5 Pressure Switch
- 6 Pop-Off Valve
- 7 Quick Start Valve
- 8 Pressure Gauge
- 9 Pressure Regulator/Unloader
- 10 Pulsation Dampener ★
- 11 Chemical Injector
- 12 By-Pass Hose
- 13 Throttle Controller



Piston Pump



Plunger Pump



CP Plunger Pump

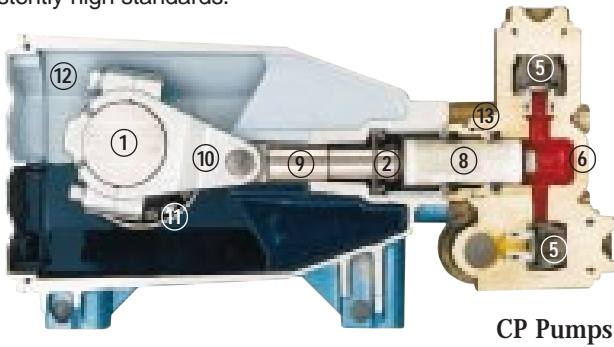
These illustrations show the basic elements for a typical installation of a high pressure piston or plunger pump. **Not all components shown are required for all applications or systems.** Each component presents potential problems that too often are ascribed to a perfectly functioning pump, such as: a clogged strainer, a partially closed shut-off valve, a faulty gauge, or a malfunctioning regulator/unloader.

Proper system installation, routine lubrication and monitoring of components are your basic guarantees of optimum pump performance. CAT PUMPS does not assume any liability or responsibility for the design or operation of a customer's high pressure system.

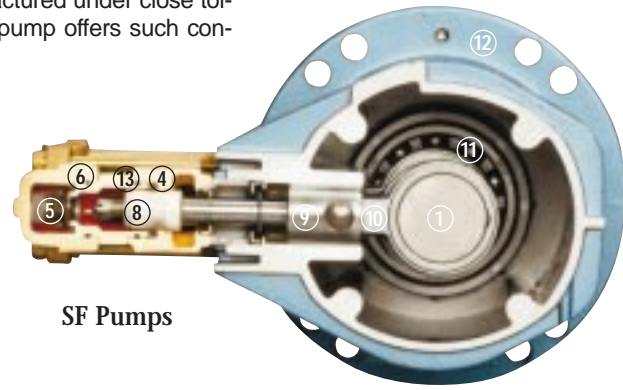
★ Preferred mounting of Pulsation Dampener [Prrrr-O-Lator] is directly on the discharge manifold of the pump. The preferred mounting of the by-pass hose [when returning to the inlet] is before the Pressure Reducing Valve. If this is not possible, then mount the Prrrr-O-Lator after the Pressure Unloading Valve to prevent pressure spikes to the pump inlet

Proven Design and Quality Components Assure Long-Term Performance

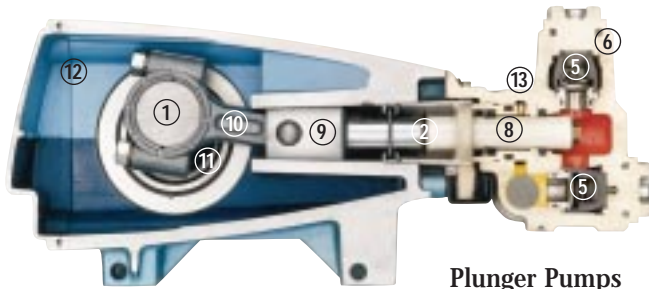
CAT PUMPS are constructed of the highest quality materials manufactured under close tolerance control and fully tested before leaving the factory. No other pump offers such consistently high standards.



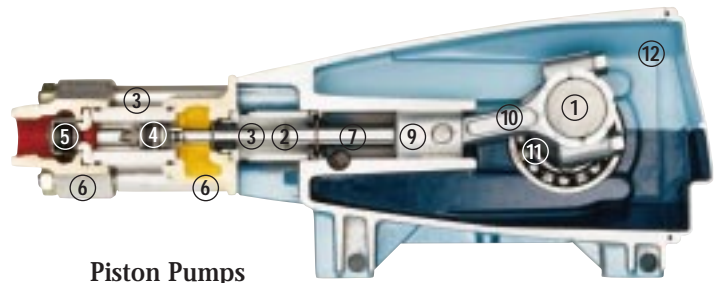
CP Pumps



SF Pumps



Plunger Pumps



Piston Pumps

- ① Chrome-moly crankshaft provides unmatched strength and surface hardness for long life.
- ② The stainless steel slinger provides back-up protection for the piston rod seal, keeping pumped fluids out of the crankcase.
- ③ The cylinder and sleeve wear surfaces are hard chrome-plated stainless steel for longer service life.
- ④ 100% wet cup/seal design adds to service life by allowing pumped fluids to cool and lubricate the elastomers on both sides.
- ⑤ Stainless steel valves, seats, and springs provide corrosion-resistance, positive seating, and long life.
- ⑥ High strength forged brass manifolds are also available in 316 stainless steel or nickel aluminum bronze for special corrosion resistance.
- ⑦ The patented stepped piston rod with hard chrome-plated sleeve provides a durable wear surface and easy wet end servicing.
- ⑧ Special concentric, high density, polished, graphite impregnated, solid ceramic plungers are abrasion resistant and result in extended seal life.
- ⑨ The high strength stainless steel plunger rods have a 360° supported crosshead providing uncompromising plunger rod alignment.
- ⑩ Matched oversized connecting rods are made of high strength material with exceptional bearing quality.
- ⑪ Oversized ball bearings or tapered roller bearings provide extended bearing life.
- ⑫ Diecast aluminum crankcase means high strength, lightweight, and excellent tolerance control.
- ⑬ Specially formulated, CAT PUMP exclusive Hi-Pressure Seal offers unmatched performance and seal life.

Worldwide Availability of Pumps and Parts

When you need a part for your CAT PUMP, you can count on our extensive worldwide network of sales and service representatives. Each location is equipped with pumps, complementary accessories and parts. Each location is trained to assist you in the selection, installation and maintenance of your CAT PUMPS. We're there when you need us; down the block...around the clock. No matter where you are, you're in CAT PUMP country.

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Products described hereon are covered by one or more of the following U.S. patents 3558244, 3652188, 3809508, 3920356, 3930756 and 5035580

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