

# Pump Catalog



*"The Pumps with Nine Lives"*



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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)

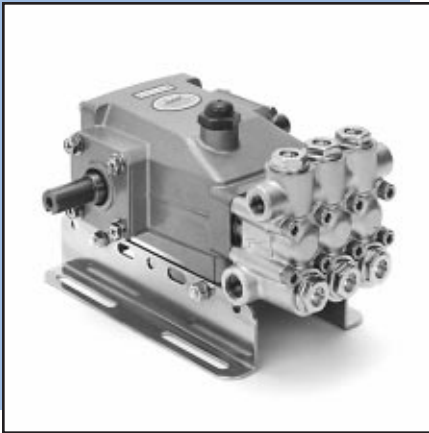
*Optional FPM Elastomers.*

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

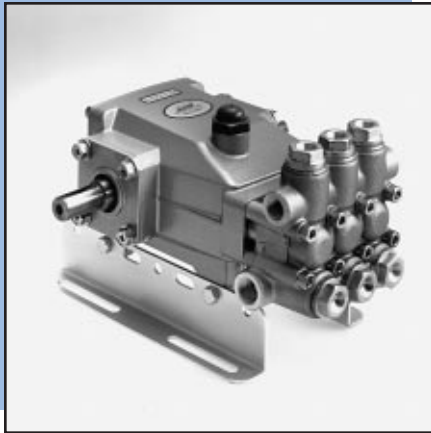
	U.S. Measure	Metric Measure
Flow .....	5 GPM	(19 L/M)
Discharge Pressure .....	100 to 2500 PSI	(7 to 175 BAR)
Inlet Pressure .....	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM .....	1725 RPM	(1725 RPM)
Horsepower .....	8.6 HP	(8.6 HP)
Bore .....	0.787"	(20 mm)
Stroke.....	0.472"	(12 mm)
Crankcase Capacity .....	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

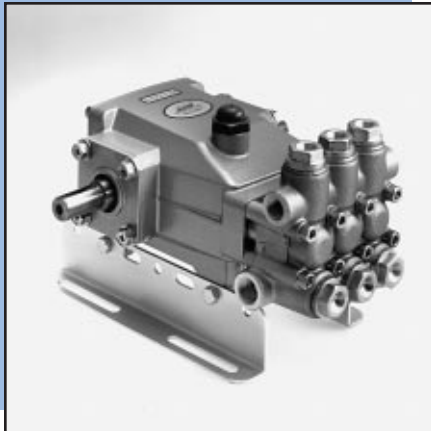
	U.S. Measure	Metric Measure
Flow .....	4.5 GPM	(17 L/M)
Discharge Pressure .....	100 to 3500 PSI	(7 to 245 BAR)
Inlet Pressure .....	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM .....	1645 RPM	(1645 RPM)
Horsepower .....	10.8 HP	(10.8 HP)
Bore .....	0.630"	(16 mm)
Stroke.....	0.709"	(18 mm)
Crankcase Capacity .....	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

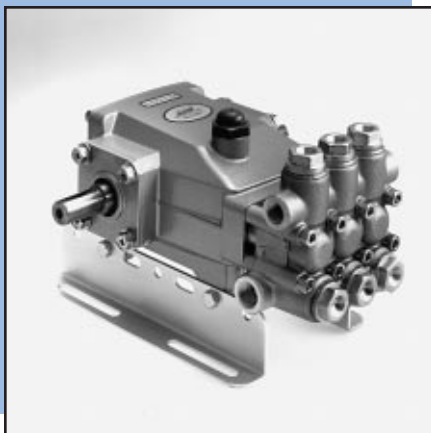
	U.S. Measure	Metric Measure
Flow .....	5 GPM	(19 L/M)
Discharge Pressure .....	100 to 3000 PSI	(7 to 210 BAR)
Inlet Pressure .....	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM .....	1415 RPM	(1415 RPM)
Horsepower .....	10.3 HP	(10.3 HP)
Bore .....	0.709"	(18 mm)
Stroke.....	0.709"	(18 mm)
Crankcase Capacity .....	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

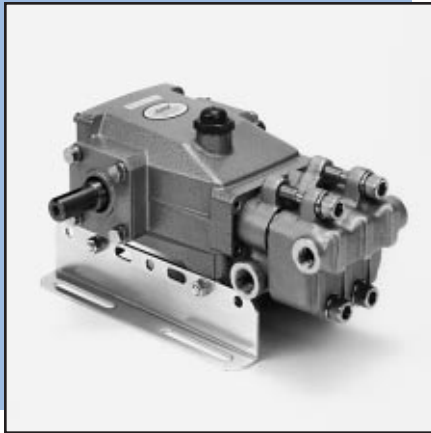
	U.S. Measure	Metric Measure
Flow .....	6 GPM	(23 L/M)
Discharge Pressure .....	100 to 1600 PSI	(7 to 110 BAR)
Inlet Pressure .....	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM .....	1450 RPM	(1450 RPM)
Horsepower .....	6.6 HP	(6.6 HP)
Bore .....	0.787"	(20 mm)
Stroke.....	0.709"	(18 mm)
Crankcase Capacity .....	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

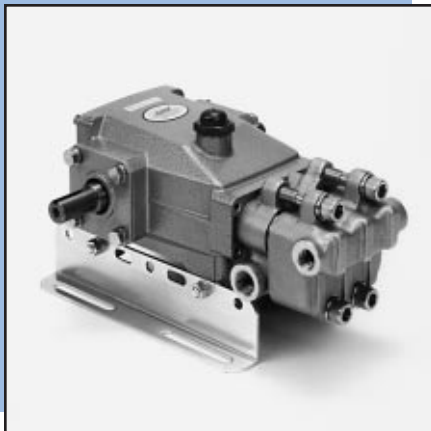
	U.S. Measure	Metric Measure
Flow .....	6 GPM	(23 L/M)
Discharge Pressure .....	100 to 1600 PSI	(7 to 110 BAR)
Inlet Pressure .....	- 5 to 60 PSI	(- 0.35 to 4 BAR)
RPM .....	1450 RPM	(1450 RPM)
Horsepower .....	6.6 HP	(6.6 HP)
Bore .....	0.787"	(20 mm)
Stroke.....	0.709"	(18 mm)
Crankcase Capacity .....	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)

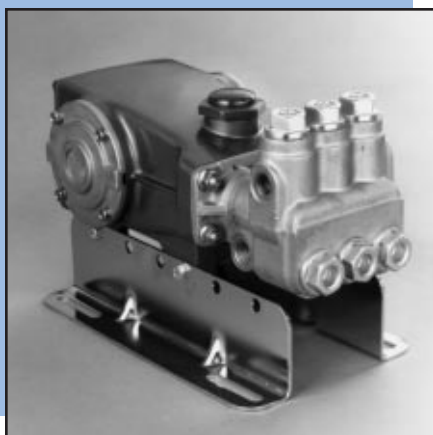
For Gas Drive see Gearbox Pumps - Models 51G1 and 51G118.

*Optional FPM Elastomers.*

7 FRAME  
Belt Drive

# Plunger Pumps

## O.E.M. 56



### SPECIFICATIONS

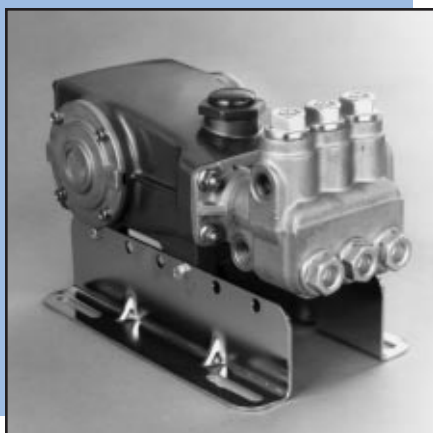
	U.S. Measure	Metric Measure
Flow .....	5.5 GPM	(21 L/M)
Discharge Pressure .....	100 to 3500 PSI	(7 to 245 BAR)
Inlet Pressure .....	Flooded to 60 PSI	(Flooded to 4 BAR)
RPM .....	1210 RPM	(1210 RPM)
Horsepower .....	13.2 HP	(13.2 HP)
Bore .....	0.708"	(18 mm)
Stroke .....	0.945"	(24 mm)
Crankcase Capacity .....	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

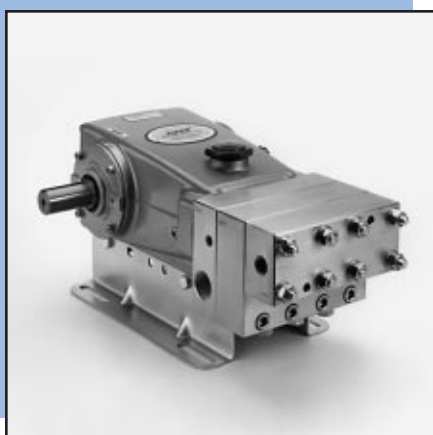
Flow .....	12 GPM*	(45 L/M)
Discharge Pressure .....	100 to 1800 PSI*	(7 to 125 BAR)
Inlet Pressure - *C.A.T. Required .....	20 to 60 PSI*	(1.4 to 4 Bar)
RPM .....	1150 RPM*	(1150 RPM)
Horsepower .....	14.8 HP*	(14.8 HP)
Max. Fluid Temperature .....	100°F*	(38°C)

**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)

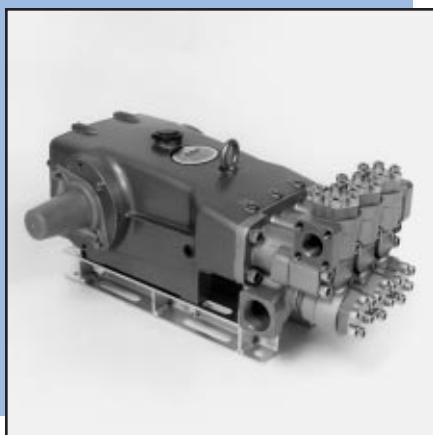
28 FRAME

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.

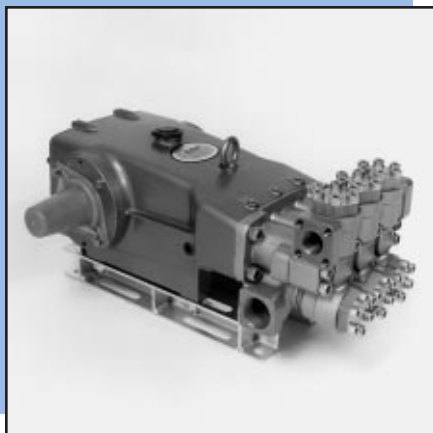
Add "F" to model number for Cast Iron crankcase.

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.*

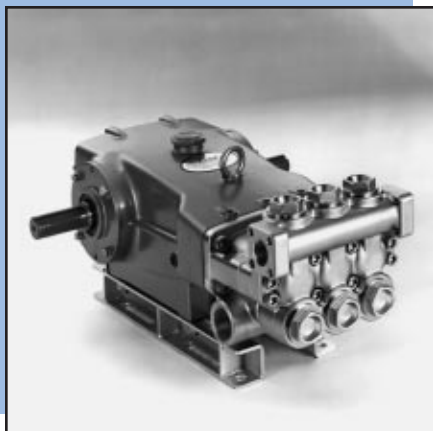
Standard **3520**

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.*

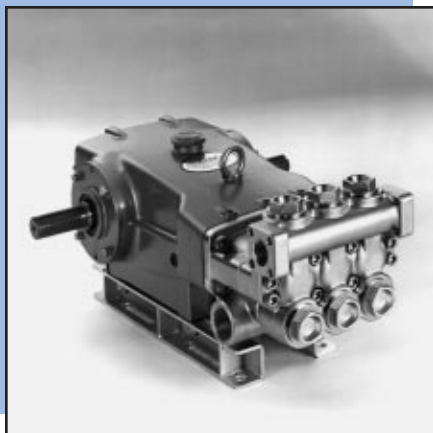
Standard **3535**

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.*

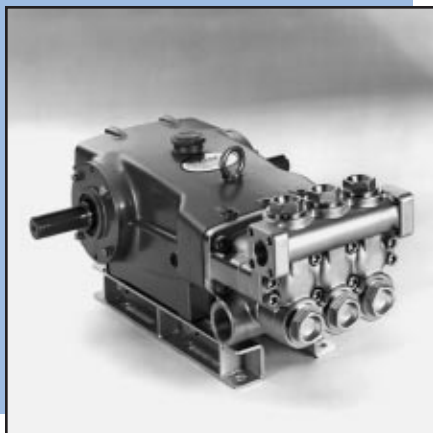
All parts for the Standard, Stainless Steel and Nickel Aluminum Bronze models are not interchangeable. See operators manual for parts clarification.

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.

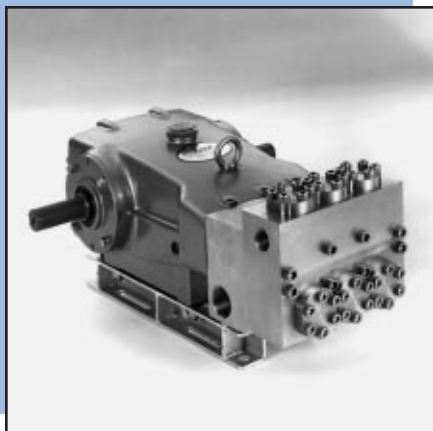
All parts for the Standard and Stainless Steel models are not interchangeable.

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.

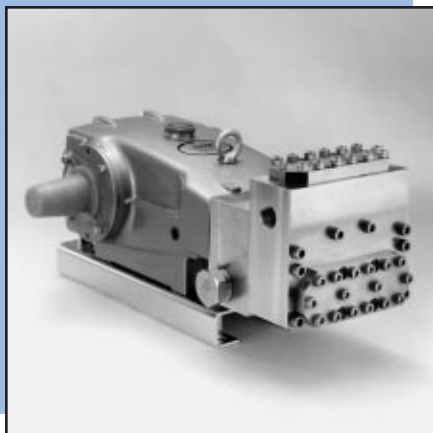
C.A.T. highly recommended for pressurized inlet, R.O. and Industrial applications.

# 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.

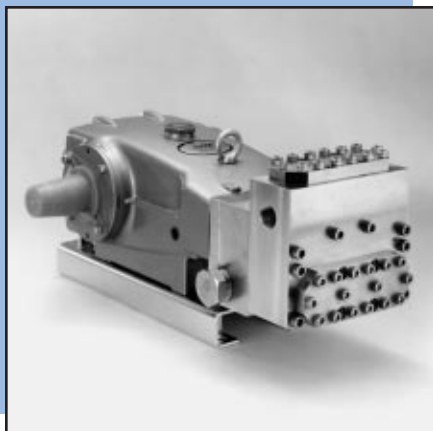
\* "K" Models have special inlet ports for flushing and cooling and are suitable for high inlet pressure fluids. Call for clarification.

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)

68 FRAME

### 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.**

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)

68 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.

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

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)

68 FRAME

### Optional FPM Elastomers.

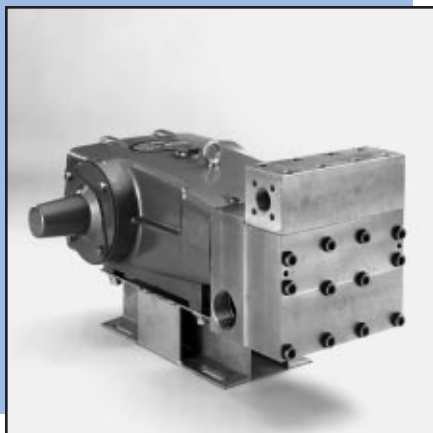
\* "K" Models have special inlet ports for flushing and cooling and are suitable for high inlet pressure fluids. Call for clarification.

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

# 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)

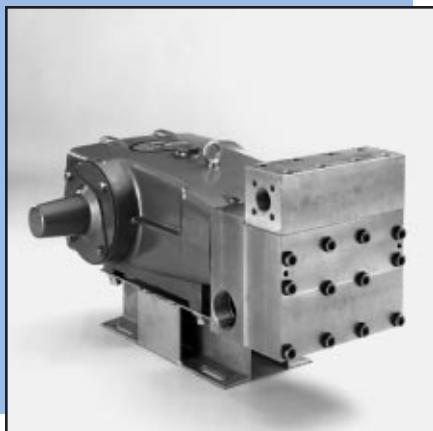
68 FRAME

\* "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

### Side Ported Discharge



### 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

### Side Ported Inlet-Discharge



### 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

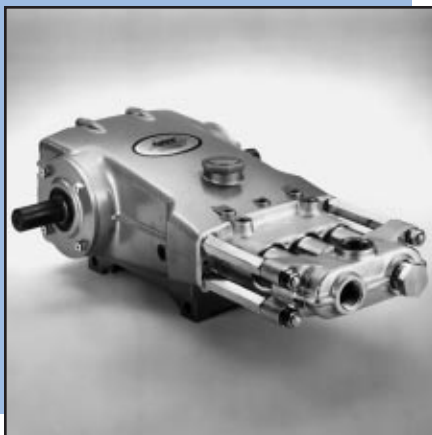
	U.S. Measure	Metric Measure
Flow .....	25 GPM	(95 L/M)
Discharge Pressure .....	100 to 800 PSI	(7 to 55 BAR)
Inlet Pressure .....	-8.5 to + 40 PSI	(-0.6 to +2.8 BAR)
RPM .....	772 RPM	(772 RPM)
Horsepower .....	13.7 HP	(13.7 HP)
Bore .....	1.490"	(38 mm)
Stroke .....	1.417"	(36 mm)
Crankcase Capacity .....	.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)

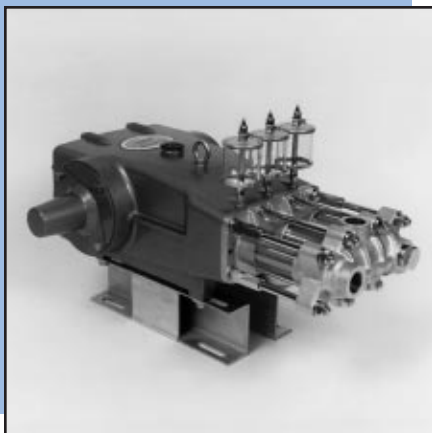
25 FRAME

★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



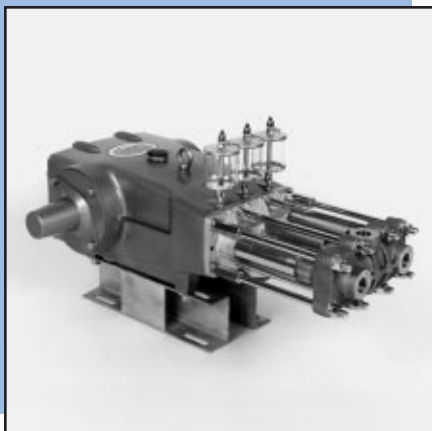
### SPECIFICATIONS

	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

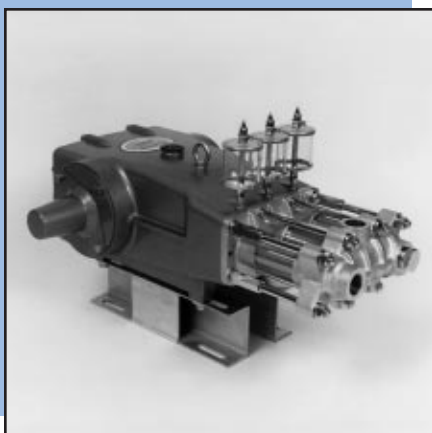
	U.S. Measure	Metric Measure
Flow .....	12 GPM	(45 L/M)
Discharge Pressure .....	100 to 5000 PSI	(7 to 345 BAR)
Inlet Pressure .....	-8.5 to +40 PSI	(-0.6 to +2.8 BAR)
RPM .....	500 RPM	(500 RPM)
Horsepower .....	41.2 HP	(41.2 HP)
Bore .....	0.984"	(25 mm)
Stroke .....	2.480"	(63 mm)
Crankcase Capacity .....	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

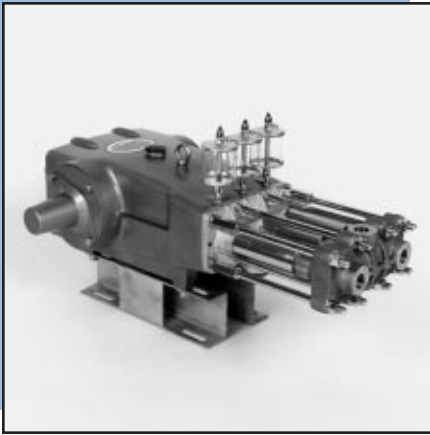
	U.S. Measure	Metric Measure
Flow .....	40 GPM	(151 L/M)
Discharge Pressure .....	100 to 1500 PSI	(7 to 105 BAR)
Inlet Pressure .....	-8.5 to +40 PSI	(-0.6 to +2.8 BAR)
RPM .....	500 RPM	(500 RPM)
Horsepower .....	41.1 HP	(41.1 HP)
Bore .....	1.811"	(46 mm)
Stroke .....	2.461"	(62.5 mm)
Crankcase Capacity .....	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.*



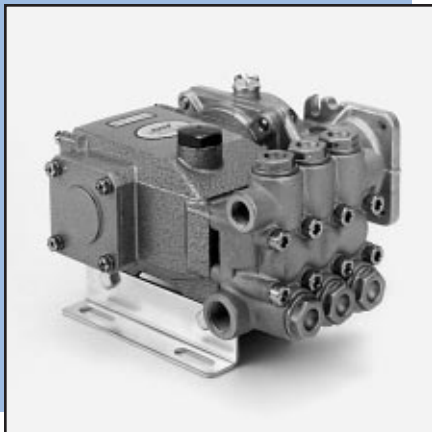
# Master Horsepower Chart

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)
<b>Pump RPM .....</b>	<b>1420 RPM</b>	<b>(1420 RPM)</b>
<b>Engine RPM .....</b>	<b>3600 RPM</b>	<b>(3600 RPM)</b>
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)
<b>Pump RPM .....</b>	<b>1645 RPM</b>	<b>(1645 RPM)</b>
<b>Engine RPM .....</b>	<b>3353 RPM</b>	<b>(3353 RPM)</b>
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)
<b>Pump RPM .....</b>	<b>1570 RPM</b>	<b>(1570 RPM)</b>
<b>Engine RPM .....</b>	<b>3200 RPM</b>	<b>(3200 RPM)</b>
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)
<b>Pump RPM .....</b>	<b>1725 RPM</b>	<b>(1725 RPM)</b>
<b>Engine RPM .....</b>	<b>3515 RPM</b>	<b>(3515 RPM)</b>
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)
<b>Pump RPM .....</b>	<b>1725 RPM</b>	<b>(1725 RPM)</b>
<b>Engine RPM .....</b>	<b>3515 RPM</b>	<b>(3515 RPM)</b>
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)
<b>Pump RPM .....</b>	<b>1645 RPM</b>	<b>(1645 RPM)</b>
<b>Engine RPM .....</b>	<b>3353 RPM</b>	<b>(3353 RPM)</b>
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)
<b>Pump RPM .....</b>	<b>1765 RPM</b>	<b>(1765 RPM)</b>
<b>Engine RPM .....</b>	<b>3600 RPM</b>	<b>(3600 RPM)</b>
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)
<b>Pump RPM .....</b>	<b>1760 RPM</b>	<b>(1760 RPM)</b>
<b>Engine RPM .....</b>	<b>3590 RPM</b>	<b>(3590 RPM)</b>
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)
<b>Pump RPM .....</b>	<b>1570 RPM</b>	<b>(1570 RPM)</b>
<b>Engine RPM .....</b>	<b>3200 RPM</b>	<b>(3200 RPM)</b>
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)
<b>Pump RPM .....</b>	<b>1570 RPM</b>	<b>(1570 RPM)</b>
<b>Engine RPM .....</b>	<b>3200 RPM</b>	<b>(3200 RPM)</b>
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)
<b>Pump RPM .....</b>	<b>1570 RPM</b>	<b>(1570 RPM)</b>
<b>Engine RPM .....</b>	<b>3200 RPM</b>	<b>(3200 RPM)</b>
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)
<b>Pump RPM .....</b>	<b>1700 RPM</b>	<b>(1700 RPM)</b>
<b>Engine RPM .....</b>	<b>3465 RPM</b>	<b>(3465 RPM)</b>
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
<b>Motor</b> .....	<b>8023ES</b>	<b>8024ES</b>	<b>8025ES</b>	<b>8041ES</b>	<b>8038ES</b>
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
<b>Motor</b> .....	<b>8024ES</b>	<b>8025ES</b>	<b>8041ES</b>	<b>8038ES</b>
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
<b>Motor</b> .....	<b>8024ES</b>	<b>8025ES</b>	<b>8041ES</b>	<b>8038ES</b>
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
<b>Motor</b> .....	<b>8026ES</b>	<b>8027ES</b>	<b>8028ES</b>
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
<b>Motor</b> .....	<b>8029ES</b>	<b>8042ES</b>	<b>8040ES</b>
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
<b>Motor</b> .....	<b>8026ES</b>	<b>8027ES</b>	<b>8028ES</b>
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
<b>Motor</b> .....	<b>8029ES</b>	<b>8042ES</b>	<b>8040ES</b>
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

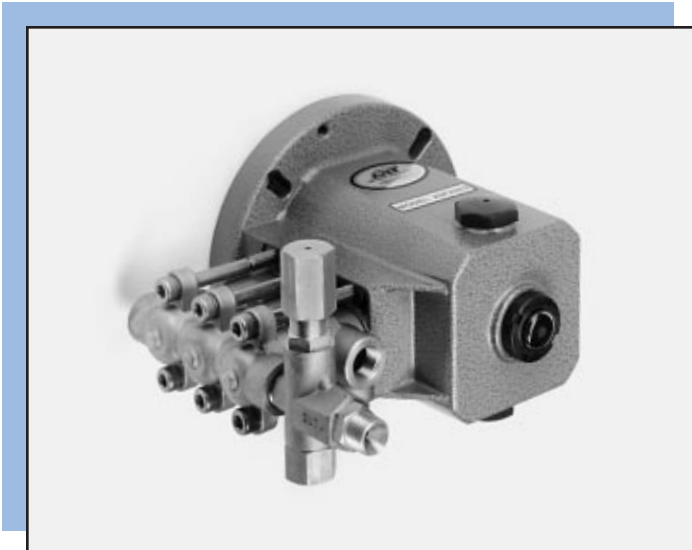
## 34121, 34126, 34131, 34422, 34423, 34424

#### 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
<b>Model</b>	<b>2SF10CEE</b>		<b>2SF20CEE</b>	
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)

<b>Model</b>	<b>2SF20ES</b>		<b>2SF22ES</b>	
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)

<b>Model</b>	<b>2SF22ELS</b>		<b>2SF22GS</b>	
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.....	<b>1725 RPM</b>	<b>(1725 RPM)</b>	3450 RPM	(3450 RPM)
Stroke .....	0.248"	(6.3 mm)	0.1323"	(3.35 mm)

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

<b>Model</b>	<b>2SF29ELS</b>		<b>2SF29CEEL</b>	
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.....	<b>1725 RPM</b>	<b>(1725 RPM)</b>	<b>1725 RPM</b>	<b>(1725 RPM)</b>
Stroke.....	0.335"	(8.5 mm)	0.335"	(8.5 mm)

<b>Model</b>	<b>2SF30ES</b>		<b>2SF30GS</b>	
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	

<b>Model</b>	<b>2SF35ES</b>		<b>2SF35GS</b>	
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

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

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

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

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

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

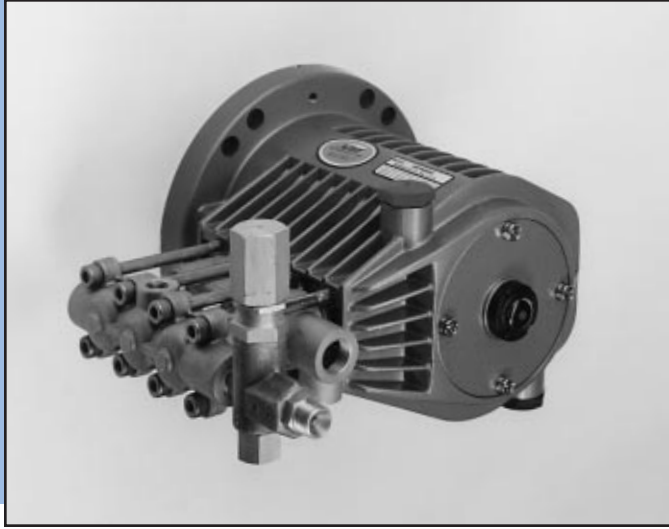
<b>Model 8062</b>	<b>2.0 HP</b>
Horsepower .....	2.0 HP
Shaft Diameter .....	5/8"
Max. Volts.....	115/230V
FULL LOAD AMPS.....	17.0/8.5 Amps
RPM.....	<b>1725 RPM</b>
Weight .....	55 lbs.
Service Factor .....	1.15

### COMMON MOTOR SPECIFICATIONS

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

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

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

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

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

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

<b>Model</b>			<b>4SF50GS1</b>	
Flow .....			5 GPM	(19.0 L/M)
Discharge Pressure .....			<b>2500 PSI</b>	<b>(175 BAR)</b>
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

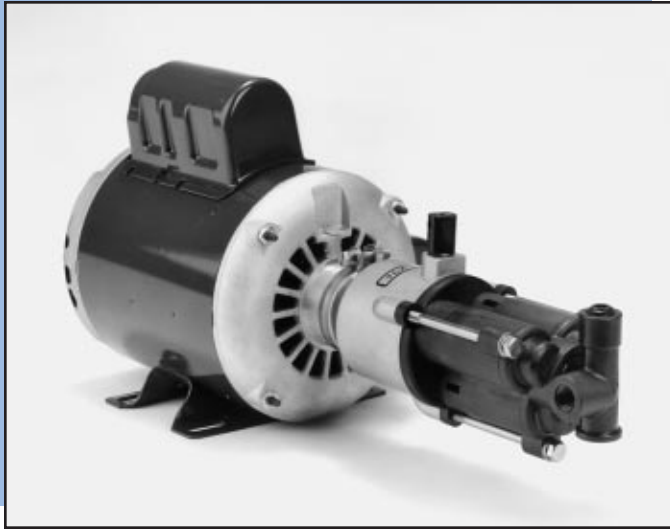
#### Three Phase 7.5 HP

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 .....	<b>1/3 HP</b>
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 .....	<b>1/2 HP</b>
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 .....	<b>Single</b>
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
<b>Model</b>		<b>1LX100</b>
Flow .....	1 GPM	(3.8 L/M)
Discharge Pressure.....	500 PSI	(35 BAR)
RPM .....	1725 RPM	(1725 RPM)
Stroke .....	0.29"	(7.4 mm)
<b>Model</b>		<b>1LX125</b>
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
<b>Models</b>	<b>2DX20E</b>		<b>2DX20EN</b>	
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)
<b>Models</b>	<b>2DX30GS</b>		<b>2DX30GNS</b>	
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
<b>Model 5DX30G1</b>		
Flow .....	3 GPM	(11.4 L/M)
Discharge Pressure .....	100 to 3200 PSI	(7 to 220 BAR)
Stroke.....	0.252"	(6.4 mm)
<b>Model 5DX35G1</b>		
Flow .....	3.5 GPM	(13.2 L/M)
Discharge Pressure .....	100 to 3200 PSI	(7 to 220 BAR)
Stroke.....	0.311"	(7.9 mm)
<b>Model 5DX40G1</b>		
Flow .....	4 GPM	(15.0 L/M)
Discharge Pressure .....	100 to 3200 PSI	(7 to 220 BAR)
Stroke.....	0.354"	(9.0 mm)
<b>Model 5DX50G1</b>		
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.....	<b>220V, 50 Hz</b>	<b>(220 V, 50 Hz)</b>
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).....	<b>30 to 75 PSI</b>	<b>(2.0 to 5.20 BAR)</b>
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.

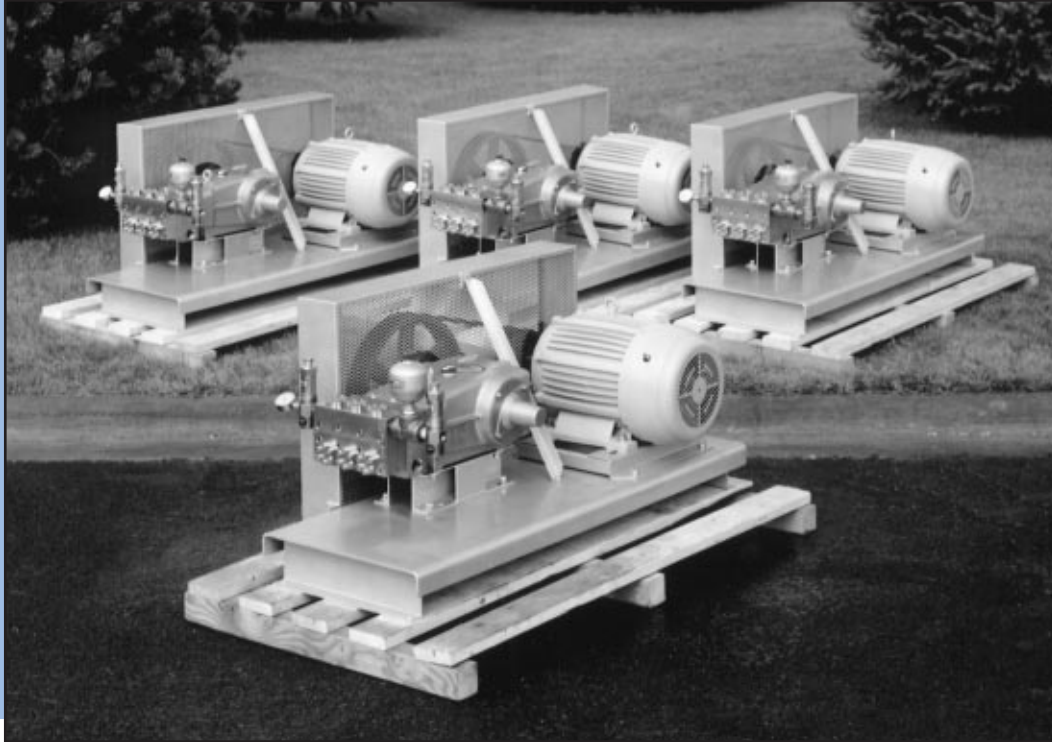


## STANDARD FEATURES

- 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

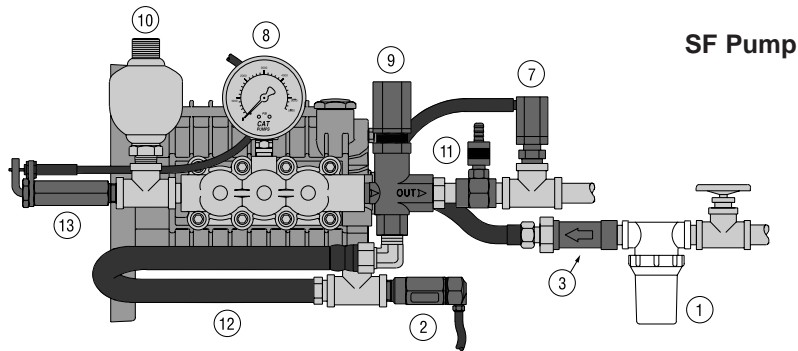
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#### Requesting Company

Name \_\_\_\_\_  
 Company \_\_\_\_\_  
 Address \_\_\_\_\_  
 Phone \_\_\_\_\_  
 FAX \_\_\_\_\_

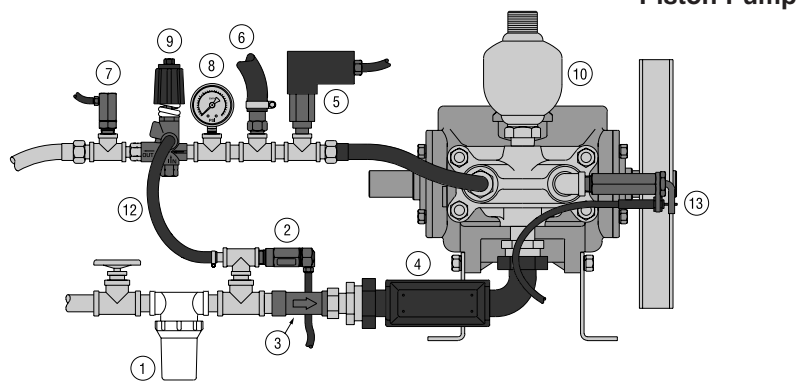
Copy this page and Fax to CAT PUMPS at 612-780-2958

# Typical Installation

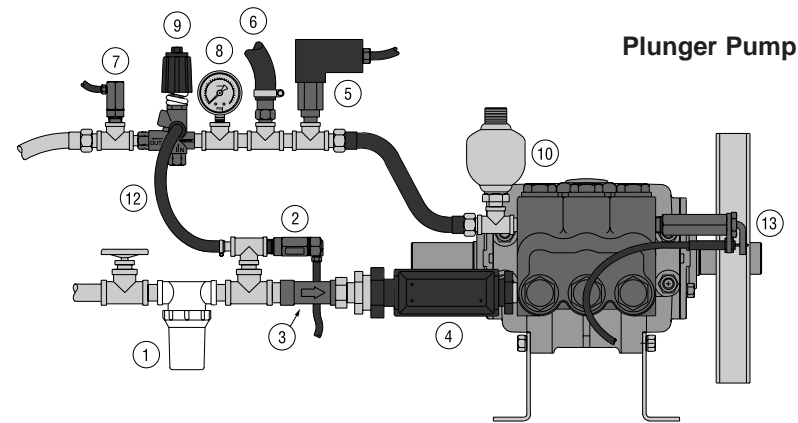


SF Pump

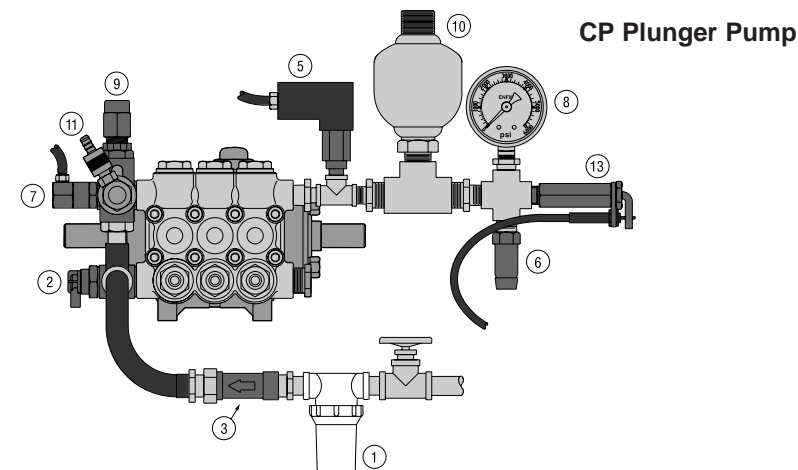
- 1 Inlet Filter
- 2 Thermo Valve
- 3 Inlet Pressure Regulator
- 4 C.A.T. Tube (Captive Acceleration Tube)
- 5 Pressure Switch
- 6 Pop-Off Valve
- 7 Quick Start Valve
- 8 Pressure Gauge
- 9 Pressure Regulator/Unloader
- 10 Pulsation Dampener ★
- 11 Chemical Injector
- 12 By-Pass Hose
- 13 Throttle Controller



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.

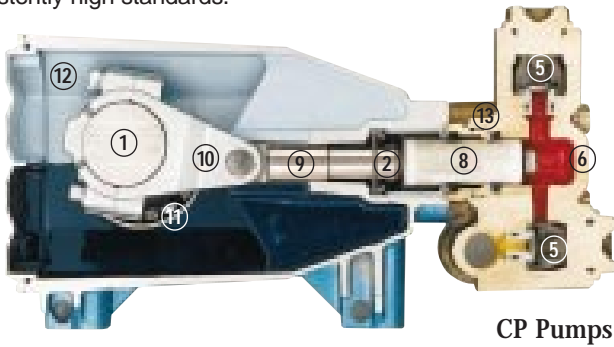
Proper system installation, routine lubrication and monitoring of components are your basic guarantees of optimum pump performance. CAT PUMPS does not assume any liability or responsibility for the design or operation of a customer's high pressure system.

★ 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

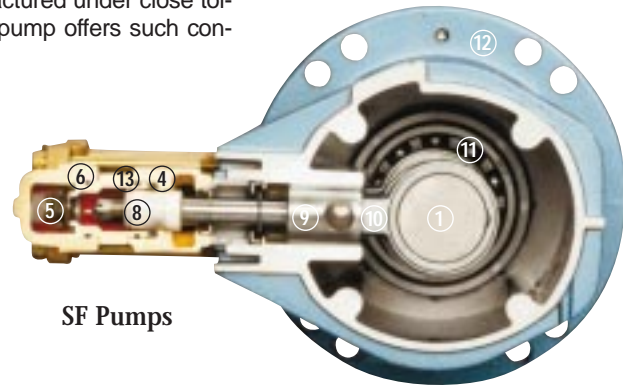


# Proven Design and Quality Components Assure Long-Term Performance

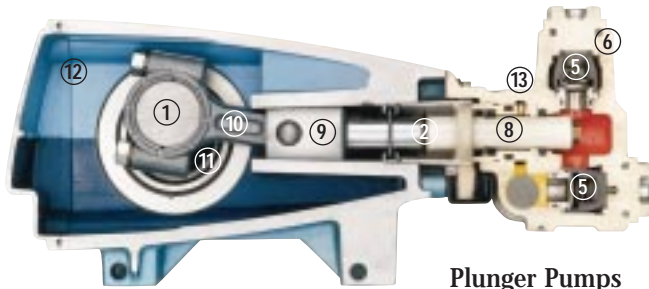
CAT PUMPS are constructed of the highest quality materials manufactured under close tolerance control and fully tested before leaving the factory. No other pump offers such consistently high standards.



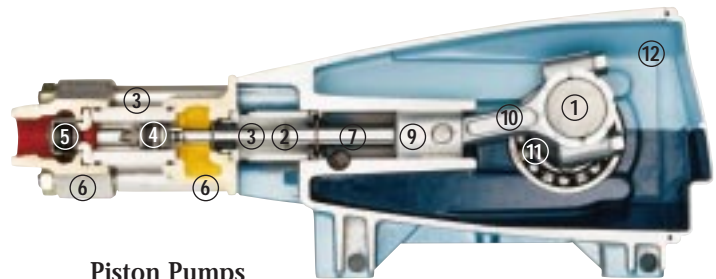
CP Pumps



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.

### UNITED STATES

Alabama	Delaware	Iowa	Michigan	New Jersey	Oregon	Virginia
Alaska	Florida	Kansas	Minnesota	New Mexico	Pennsylvania	Washington
Arizona	Georgia	Kentucky	Mississippi	New York	Puerto Rico	West Virginia
Arkansas	Hawaii	Louisiana	Missouri	North Carolina	South Carolina	Wisconsin
California	Illinois	Maine	Montana	North Dakota	Tennessee	Wyoming
Colorado	Idaho	Maryland	Nebraska	Ohio	Texas	
Connecticut	Indiana	Massachusetts	Nevada	Oklahoma	Utah	

### INTERNATIONAL

Alberta	Nova Scotia	China	Iceland	Malaysia	Philippines	Thailand
British Columbia	Saskatchewan	Columbia	India	Mexico	Portugal	Turkey
Manitoba	Argentina	Denmark	Ireland	The Netherlands	South Africa	Venezuela
Ontario	Australia	Finland	Israel	New Zealand	Singapore	
Quebec	Belgium	France	Italy	Norway	Spain	
New Brunswick	Brazil	Gaum	Kenya	Peru	Switzerland	
	Chile	Greece	Korea		Taiwan	

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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