



Models 6760, 6747, 6767 Shown

## FEATURES

### Superior Design

- Triplex plunger design gives smoother liquid flow.
- V-Packings are completely lubricated and cooled by the liquid being pumped.
- Inlet and discharge valve assemblies interchange for easier maintenance.
- Oil bath crankcase assures optimum lubrication.
- Close tolerance concentricity of the ceramic plunger maximizes seal life.

### Quality Materials

- 304 or 316 stainless steel valves are heat treated and seats are roller burnished for a positive seal and extended valve life.
- Forged Brass, cast Nickel Aluminum Bronze or 316 Stainless Steel manifolds for strength and corrosion resistance.
- Special concentric, high density, polished, graphite impregnated, solid ceramic plungers are abrasion resistant and result in extended seal life.
- Specially formulated, CAT PUMP exclusive, V-Packings offer unmatched performance and seal life.
- Die cast aluminum crankcase provides high strength, minimum weight and precision tolerance control.
- Chrome-moly crankshaft gives unmatched strength and surface hardness.
- Oversized crankshaft bearings with greater loading capacity mean longer bearing life.

### Easy Maintenance

- Wet-end is easily serviced without entering crankcase, requiring less time and effort.
- Valve assemblies are accessible without disturbing piping, for quick service.
- Preset packings mean no packing gland adjustment is necessary, reducing maintenance costs.

### ⚠ WARNING

All systems require both a primary pressure regulating device (i.e., regulator, unloader) and a secondary pressure safety relief device (i.e., pop-off valve, safety valve). Failure to install such relief devices could result in personal injury or damage to the pump or to system components. CAT PUMPS does not assume any liability or responsibility for the operation of a customer's high pressure system.

## 60 Frame Plunger Pumps

**Standard  
Model**

**Stainless Steel  
Model**

**Nickel Aluminum  
Bronze Models**

**6760**

**6761**

**6747, 6767**

## SPECIFICATIONS

U.S. Measure

Metric Measure

### MODEL 6747

Flow ..... 48 GPM  
Pressure Range ..... 100 to 2000 PSI  
RPM ..... 615 RPM

(182 L/M)  
(7 to 140 BAR)  
(615 RPM)

### MODEL 6760

Flow ..... 75 GPM  
Pressure Range ..... 100 to 1000 PSI  
RPM ..... 643 RPM

(284 L/M)  
(7 to 70 BAR)  
(643 RPM)

### MODEL 6761 AND 6767

Flow ..... 60 GPM  
Pressure Range ..... 100 to 1200 PSI  
RPM ..... 520 RPM

(227 L/M)  
(7 to 85 BAR)  
(520 RPM)

### Alternate Specifications 6761 and 6767

Flow\* ..... 70 GPM  
Pressure Range ..... 100 to 1000 PSI  
RPM ..... 600 RPM

(265 L/M)  
(7 to 70 BAR)  
(600 RPM)

## COMMON SPECIFICATIONS

Inlet Pressure Range*	Flooded to 50 PSI	(Flooded to 3.5 BAR)
Bore	2.165"	(55 mm)
Stroke	2.579"	(65.5 mm)
Crankcase Capacity	10 Qts.	(9.46 L)
Max. Liquid Temperature	140°F	(60°C)
Inlet Ports (2)*	2" NPTF	(2" NPTF)
Discharge Ports (2)	1-1/4" NPTF	(1-1/4" NPTF)
Shaft Diameter	1.772"	(45 mm)
Weight	335 lbs.	(151.95 kg)
Dimensions (6747, 6767, 6760)	31.14 x 24.37 x 12.87"	(791 x 619 x 327 mm)
Dimensions (6761)	30.71 x 24.37 x 12.44"	(780 x 619 x 316 mm)

\*A 2-1/2" inlet line is recommended for alternate performance.

## HORSEPOWER REQUIREMENTS

MODEL	FLOW		PRESSURE				RPM
	U.S. GPM	L/M	PSI 900 BAR 60	PSI 1000 BAR 70	PSI 1200 BAR 85	PSI 2000 BAR 140	
6760	75	284	46.3	51.4	N/A	N/A	643
	70	265	43.2	48.0	N/A	N/A	600
6761 6767	70	265	43.2	48.0	N/A	N/A	600
	60	227	37.1	41.2	49.4	N/A	520
6747	50	189	30.9	34.3	41.2	N/A	433
	48	182	29.6	32.9	39.4	65.8	615

**DETERMINING  
THE PUMP R.P.M.**

Rated G.P.M. = "Desired" G.P.M.  
Rated R.P.M. "Desired" R.P.M.

**DETERMINING  
THE REQUIRED H.P.**

GPM x PSI = Electric Brake  
1460 H. P. Required

**DETERMINING  
MOTOR PULLEY SIZE**

Motor Pulley O.D. = Pump Pulley O.D.  
Pump R.P.M. Motor R.P.M.

See complete Drive Packages [Inclds: Pulleys, Belts, Hubs, Key] Tech Bulletin 003.  
Refer to pump Service Manual for repair procedure and additional technical information.

*"Customer confidence is our greatest asset"*