

Hydraulic Hand Pump

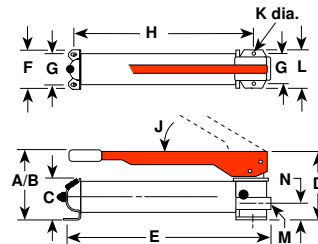
Single-Speed / Single-Acting

Reservoir capacity from 196.8 to 902 cu. cm.

Single-speed pumps advance the same rate during free travel (no load) as when under load. When compared to a two-speed pump, the single-speed pump requires considerably more handle strokes to advance the cylinder to the load. Single-speed pumps are best suited for applications where there is little or no free travel.



- Rugged all metal construction for strength and durability that won't burn through in welding environments.
- Heavy-duty, formed metal handle provides less flex, and less operator fatigue than round or composite handles.
- Convenient fill port on P23 and P55 allows pumps to be filled in a horizontal or vertical position.
- Fill cap seal acts as safety valve to prevent over-pressurizing of reservoir.
- Relief valve inboard of check valve prevents loads from drifting down.
- Large valve knob gives added control for slowly metering loads down.



Hoses, Fittings & Gauges
Pages
74-80



Cylinder/Pump Speed/Selection
Chart Page
178



Pump/Cylinder Sets
Page
25



Choosing The Right Pump
Pages
181-184



Pump Accessories
Pages
161-165



DIMENSIONS (MM)

Pump No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P
P12	101.6	—	—	101.6	342.9	85.7	55.6	—	45°	4.8	85.7	—	28.6	—
P23	158.8	330.2	88.9	141.3	346.1	108.0	82.6	261.9	38°	7.9	120.7	3/8" NPTF	41.3	—
P55	165.1	533.4	88.9	141.3	584.2	108.0	82.6	501.7	38°	7.9	120.7	3/8" NPTF	41.3	—

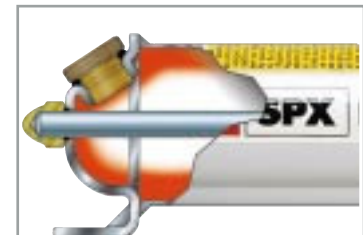
ORDERING INFORMATION

See current price list for shipping weights.

For Use With	Order No.	Volume & Pressure					Handle Effort (kg)	Reservoir		Oil Port	Product Weight (kg)
		Speed	Volume per Stroke (cu. cm.)		Maximum Pressure (bar)			Oil Capacity (cu. cm.)	Usable Oil Capacity (cu. cm.)		
Single-Acting Cylinders*	P12	1	-	1.1	-	700	34.1	196.8	147.6	3/8" NPTF	2.6
	P23	1	-	2.6	-	207	31.8	390.3	332.9	3/8" NPTF	5.5
	P55	1	-	2.6	-	700	65.8	902	738	3/8" NPTF	7.2

* (Pump includes 2-Way Valve)

LP = Low Pressure
HP = High Pressure



Power Team hand pumps, with the angled fill port, have a built in "relief valve" protection system. This system is designed to protect over-pressurization of the reservoir from sudden back pressure. This system also works as a seal to prevent oil leaks.

Hydraulic Hand Pump

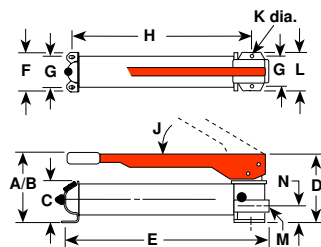
Two-speed / Single-Acting

Reservoir capacity from 400.2 to 902 cu. cm.

Two-speed pumps are designed to quickly advance the cylinder during free travel (no load) with a minimum amount of handle strokes. Once the cylinder contacts the load, the pump automatically shifts into the high pressure stage to lift the load.



- Rugged all metal construction for strength and durability that won't burn through in welding environments.
- two-speed feature reduces handle strokes so you work faster and easier.
- Heavy-duty, formed metal handle provides less flex, and less operator fatigue than round or composite handles.
- Convenient fill port allows pumps to be filled in a horizontal or vertical position.
- Relief valve inboard of check valve prevents loads from drifting down.
- Large valve knob gives added control for slowly metering loads down.



DIMENSIONS (MM)

Pump No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P
P19	139.7	371.5	73.0	115.9	347.7	101.6	82.6	281.0	53°	7.9	101.6	% NPTF	35.7	—
P59	177.8	533.4	88.9	127.0	584.2	108.0	82.6	501.7	38°	7.9	120.7	% NPTF	41.3	—
P59F	88.9	425.5	88.9	152.4	590.6	108.0	82.6	514.4	—	7.9	114.3	% NPTF	42.9	—

ORDERING INFORMATION

See current price list for shipping weights.

For Use With	Order No.	Volume & Pressure					Handle Effort (kg)	Reservoir		Oil Port	Product Weight (kg)
		Speed	Volume per Stroke (cu. cm.)		Maximum Pressure (bar)			Oil Capacity (cu. cm.)	Usable Oil Capacity (cu. cm.)		
Single-Acting Cylinders (Pump includes 2-Way Valve)	P19	2	5.0	1.2	22.4	700	44.9	400.2	328	% NPTF	3.0
	P59	2	10.9	2.6	22.4	700	65.8	902	738	% NPTF	7.8
	P59F	2	9.0	2.1	22.4	700	54.5	902	738	% NPTF	6.4

LP = Low Pressure
HP = High Pressure



Power Team hand pumps, with the angled fill port, have a built in "relief valve" protection system. This system is designed to protect over-pressurization of the reservoir from sudden back pressure. This system also works as a seal to prevent oil leaks.

Hydraulic Hand Pumps

Two-speed / Single- and Double-Acting

Reservoir capacity 9.5 liters.

Hand operated pumps with large capacity reservoirs.



- Rugged all metal construction for strength and durability that won't burn thru in welding environments.
- Two-speed feature reduces handles strokes so you work faster and easier.
- Carry handles on all models.
- Convenient fill port allows pumps (except P300 & P460) to be filled in a horizontal or vertical position.
- Fill cap seal acts as safety valve (except P300) to prevent over-pressurizing of reservoir.
- Larger reservoir capacities to accommodate multiple or high tonnage cylinders.



P300 hand pump and 10 ton cylinders used for a vehicle lift.

Hoses, Fittings & Gauges
Pages 74-80

Cylinder/Pump Speed/Selection Chart
Page 178

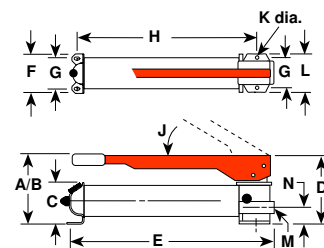
Pump/Cylinder Sets
Page 25

Choosing The Right Pump
Pages 181-184

Pump Accessories
Pages 161-165

DIMENSIONS (MM)

Pump No.	A	B	C	D	E	F	G	H	J	K	L	M	N	P
P157/P159	197	521	123.8	175	578	98.4	76.2	502	39°	7.9	95.3	½ NPTF	57.2	—
P300	210	533	114.3	175	575	215.9	190.5 / 76.2	526	39°	7.9	95.3	½ NPTF	57.2	—
P460	283	787	171.5	289	610	743	279.4	229	80°	241.3	—	½ NPTF	—	¼ NPTF



ORDERING INFORMATION

See current price list for shipping weights.

For Use With	Order No.	Volume & Pressure					Handle Effort (kg)	Reservoir		Oil Port	Product Weight (kg)
		Speed	Volume per Stroke (cu. cm.)		Maximum Pressure (bar)			Oil Capacity (cu. cm.)	Usable Oil Capacity (cu. cm.)		
Single-Acting Cylinders (Pump includes 2-Way Valve)	P157	2	10.7	2.6	97	700	63.5	2491	2245	½" NPTF	11.8
	P159	2	42.6	2.6	22	700	63.5	2491	2245	½" NPTF	11.8
	P300	2	42.6	2.6	22	700	63.5	5.7 liters	5081	½" NPTF	25.1
	P460	2	120.5	4.6	22	700	40.8	9.5 liters	7539	½" NPTF	24.9
Double-Acting Cylinders (Pump includes 4-Way Valve)	P157D	2	10.7	2.6	97	700	63.5	2491	2245	½" NPTF	13.1
	P159D	2	42.6	2.6	22	700	63.5	2491	2245	½" NPTF	12.7
	P300D	2	42.6	2.6	22	700	63.5	5.7 liters	5081	½" NPTF	25.9
	P460D	2	120.5	4.6	22	700	40.8	9.5 liters	7539	½" NPTF	26.3

LP = Low Pressure

HP = High Pressure

