

▼ Shown from left to right: P77, P80, P84, P801, P39



- Reduced handle effort and ergonomic grip for less operator fatigue
- Two-speed operation for fast and easy operation (except P39)
- Vent free reservoir eliminates spills
- Quick grip handle allows for easy transport
- Integral reservoir over-pressurization protection
- All steel construction, chrome plated plunger and wiper system for durable, long lasting performance
- 4-way valving on P84 and P464 for operation of double-acting cylinders.

▼ In the absence of a power supply, the P80 Hand Pump offers a powerful solution. Alternatively, a battery-powered cordless pump can be used.



## The Solution for Tough Jobs



### Two-Speed Pumps

Recommended for applications where cylinder plunger must advance rapidly to load contact, and applications where greater oil capacities are required, such as multiple cylinder hook-ups.



### Foot Pump Conversion Kits

Convert your P39, P77, P80 or P801 to foot power with the **PC11** Kit. Includes instructions for easy conversion.



### GA45GC Gauge Adaptor

Protect yourself from system overloading by simply ordering one part number for a pre-assembled gauge, adaptor block and coupler.

Page: 150



### 4-Way Control Valve

**P84** and **P464** feature a manual 4-way control valve, designed for use with one double-acting or two single-acting cylinders. For system

set-up information:

Page: 404

Pump Type	Usable Oil Capacity (cm <sup>3</sup> )	Model Number	Pressure Rating <sup>2)</sup> (bar)		Oil Displacement per Stroke (cm <sup>3</sup> )		Max. Handle Effort (kg)
			1 <sup>st</sup> stage	2 <sup>nd</sup> stage	1 <sup>st</sup> stage	2 <sup>nd</sup> stage	
Single	672	<b>P39</b>	-	700	-	2,46	39
	672	<b>P77</b>	34	700	16,39	2,46	40
Two-Speed	2200	<b>P80</b> <sup>1)</sup>	34	700	16,39	2,46	35
	4100	<b>P801</b>	34	700	16,39	2,46	35
	2200	<b>P84</b> <sup>3)</sup>	34	700	16,39	2,46	35
	7423	<b>P462</b>	14	700	126,20	4,75	49
	7423	<b>P464</b> <sup>3)</sup>	14	700	126,20	4,75	49

<sup>1)</sup> Available as a set, see note on next page.

<sup>2)</sup> Contact Enerpac for applications where operating pressure is less than 10% of pressure rating.

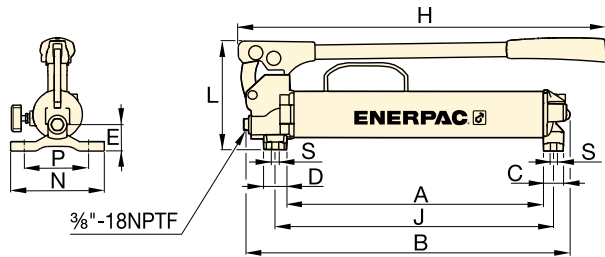
<sup>3)</sup> P84 and P464 are for use with double-acting cylinders.



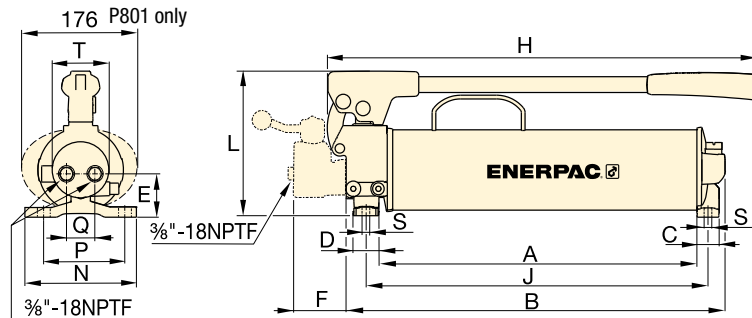
## Speed Chart

To determine how a specific pump will operate your cylinder, see the Pump-Cylinder Speed Chart in the 'Yellow Pages'.

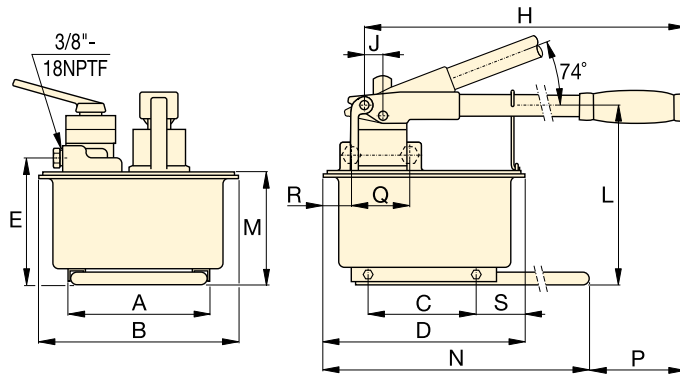
Page: 409



**P39, P77**



**P80, P801, P84**



**P462, P464**

## P Series



Reservoir Capacity:

**672 - 7423 cm<sup>3</sup>**

Flow at Rated Pressure:

**2,46 - 4,75 cm<sup>3</sup>/stroke**

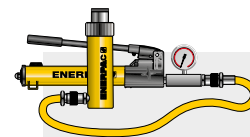
Maximum Operating Pressure:

**700 bar**



## Extra Capacity Hand Pumps

**P462 and P464** feature extra large reservoirs and high first-stage flow rate. These pumps are ideally suited for powering high-capacity cylinders.



## Pump-Cylinder Sets

The **P80** is also available as **complete set** (pump, cylinder, gauge, couplers and hose) for your ordering convenience.

Page: 6



## Cylinder Matching Chart

For help in selecting the correct hand pump for your application, please refer to the Cylinder Matching Chart located in the 'Yellow Pages'.

Page: 402

Piston Stroke	Dimensions (mm)																(kg)	Model Number
	(mm)	A	B	C	D	E	F	H	J	L	M	N	P	Q	R	S	T	
25,4	383	480	30	35	37	—	550	416	163	—	140	111	—	—	8,4	—	6,2	<b>P39</b>
25,4	391	487	30	35	47	—	550	424	163	—	140	111	—	—	8,4	—	7,1	<b>P77</b>
25,4	428	511	30	35	55	—	579	460	195	—	150	121	42	—	8,4	74	10,7	<b>P80<sup>1)</sup></b>
25,4	428	511	30	35	55	—	579	460	195	—	150	121	42	—	8,4	74	14,1	<b>P801</b>
25,4	428	510	30	35	55	70	579	460	195	—	150	121	38	—	8,4	74	11,8	<b>P84<sup>3)</sup></b>
38,1	210	308	163	320	195	—	671	25	270	175	650	92	—	—	80	—	27,7	<b>P462</b>
38,1	210	308	163	320	195	—	671	25	270	175	650	92	89	68	80	—	27,7	<b>P464<sup>3)</sup></b>