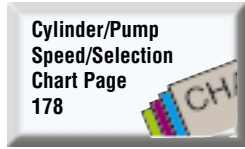


# Electric Hydraulic Pumps

278.8 cu. cm./min. — .37 kW (PE17 Series)

Two-speed high performance at a low price. Ideal for maintenance and construction applications where low voltage is a concern. Generally recommended for cylinders up to 55 ton.

PUMPS

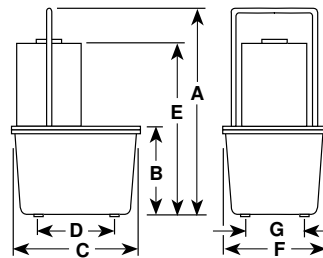


- For use with single-acting or double-acting cylinders at operating pressures to 700 bar.
- PE17 series is for intermittent duty; starts under full load.
- Equipped with .37 kW, 2,874 rpm, single-phase, thermal protected induction motor; 3 meter remote control cord (PE172S-50-220 has 7.6 meter cord).
- Low amperage draw; small generators and low amperage circuits can be used as power source.
- All have 7.6 L thermoplastic reservoir except PE172M, PE172AM, PE172SM and PE174M which have 9.5 L metal reservoir. Optional steel reservoirs also available. Order part #213895
- Extremely quiet with noise level ranging from 67-81dBA.

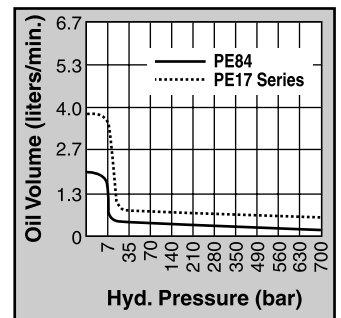
•**IMPORTANT:** Oil temperatures in excess of 65.5° C. may cause permanent failure of the thermoplastic reservoir of PE17 series pumps.

## Optional Steel Reservoir

No. 213895 — Steel reservoir for PE172, PE172A, PE172S and PE174. Includes gasket and fasteners.



## PERFORMANCE



## SPECIFICATIONS AND DIMENSIONS

Pump No.	Max. Press. Output	rpm	dBA at Idle and 700 bar	Amp Draw 220 V - at 700 bar	Oil Del. (liters./min. @)†				Dimensions (mm)							Prod. Wt. With Oil (kg)
					0 bar	7 bar	350 bar	700 bar	A	B	C	D	E	F	G	
PE17 Series	700 bar	2,874	67/81*	5	3.9	2.5	0.3	0.2	470	178	289	181	378	235	130	20.4
PE17M Series	700 bar	2,874	67/81*	5	3.9	2.5	0.3	0.2	460	168	292	N/A	368	241	N/A	24.0
PE17-E220	700 bar	2,874	67/81*	5	3.9	2.5	0.3	0.2	460	168	292	N/A	368	241	N/A	24.0
PE17M-E220	700 bar	2,874	67/81*	5	3.9	2.5	0.3	0.2	460	168	292	N/A	368	241	N/A	24.0




\* Measured at 0.9 meter distance, all sides.

† Typical delivery. Actual flow will vary with field conditions.


## ORDERING INFORMATION ‡

See current price list for shipping weights.

### SINGLE-ACTING

Description	Order No.	Valve			Control Switch ††	Motor	Reservoir (Usable)
		Type	No.	Function			
Base model pump has .37 kW pump with 7.6 liter thermoplastic reservoir.	PE172-50-220	2-Way	9517	Advance Return (Auto†)	Remote Motor Control (3.1 m) on/off	.37 kW 220 V* 50 Hz, Single Phase	4.72 liters
PE172-50-220, except has 9.5 L aluminum reservoir.	PE172M-50-220	2-Way	9517	Advance Return (Auto†)			6 liters
PE172-50-220, except has solenoid operated valve.	PE172S-50-220	3-Way	9570	Advance Hold Return	Remote Motor & Valve (7.6 m)	.37 kW 220 V* 50 Hz, Single Phase	4.72 liters
PE172S-50-220, except has aluminum reservoir.	PE172SM-50-220	3-Way	9570	Advance Hold Return			6 liters
Best suited for crimping, punching, pressing. Not for lifting. Thermoplastic reservoir.	PE172A-50-220∞	Auto/Dump Manifold	45554	Advance Return	Remote Motor Control (3.1 m) on/off	.37 kW 220 V* 50 Hz, Single Phase	4.72 liters
PE172A, except has aluminum reservoir.	PE172AM-50-220∞	Auto/Dump Manifold	45554	Advance Return			6 liters
.37 kW pump with 7.6 liter thermoplastic reservoir. Meets CE requirements.	PE172-E220	2-Way	9517	Advance Return (Auto†)	Remote Motor Control (3.1 m) on/off	 (1)	4.72 liters
PE172-50-220, except has 9.5 liter aluminum reservoir. Meets CE requirements.	PE172M-E220	2-Way	9517	Advance Return (Auto†)			6 liters
PE172-50-220, except has solenoid operated valve. Meets CE requirements.	PE172S-E220	3-Way	9570	Advance Hold Return	Remote Motor & Valve (3.1 m)	 (1)	4.72 liters
PE172S-50-220, except has aluminum reservoir. Meets CE requirements.	PE172SM-E220	3-Way	9570	Advance Hold Return			6 liters
Best suited for crimping, punching, pressing. Thermoplastic res. Meets CE requirements.	PE172A-E220∞	Auto/Dump Manifold	45554	Advance Return	Remote Motor Control (3.1 m) on/off	 (1)	4.72 liters
PE172A, except has aluminum reservoir. Meets CE requirements.	PE172AM-E220∞	Auto/Dump Manifold	45554	Advance Return			6 liters

### MULTI SINGLE-ACTING

Description	Order No.	Valve			Control Switch ††	Motor	Reservoir (Usable)
		Type	No.	Function			
PE172-50-220, except has 9500 double-acting valve.	PE174-50-220	4-Way	9500	Advance Hold Return**	Remote Motor Control (3.1 m) on/off	.37 kW 220 V* 50 Hz, Single Phase	4.72 liters
Same as PE174-50-220, except has aluminum reservoir.	PE174M-50-220	4-Way	9500	Advance Hold Return**			6 liters
PE172-50-220, except has 9500 double-acting valve. Meets CE requirements.	PE174-E220	4-Way	9500	Advance Hold Return**	Remote Motor Control (3.1 m) on/off	 (1)	4.72 liters
Same as PE174-50-220, except has aluminum reservoir. Meets CE requirements.	PE174M-E220	4-Way	9500	Advance Hold Return**			6 liters


\* Available with 115 V., 60 Hz motor (to order, remove suffix "50-220" from pump order number).

\*\* "Advance" position holds pressure with motor shut off.

† "Advance" position holds pressure with motor shut off. "Return" position advances cylinder with motor running and returns cylinder with motor shut off.

†† Control switch on PE17 series wired with line voltage.

∞ Not to be used for lifting.

(1) These pumps are  marked for meeting the requirements of 89/366/EEC and 73/23/EEC. In addition, they meet the European Union Machinery Directive and are furnished with a Declaration of Incorporation. For additional information contact your nearest Power Team facility.

**NOTE:** The remote motor control switch on 220V., 50 cycle PE17 series pumps is 24 volt.

**NOTE:** Usable oil is calculated with the oil fill at the recommended level of 38 mm below reservoir cover plate.

‡ Some Power Team pumps are available in special configurations not listed in this catalog. Power Team can "Assemble to Order" pumps with special seals, voltages, valves, relief valve settings, etc. For your special requirements please consult your local distributor or the Power Team factory.

# Electric Hydraulic Pumps

295.2 cu. cm./min. — .37 kW (PE18 Vanguard Jr.® Series)

Vanguard Jr.® pumps are very light weight and compact. Ideal for maintenance and construction applications where low voltage is a concern. Generally recommended for cylinders up to 55 ton and small hydraulic tools.



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Pump Accessories  
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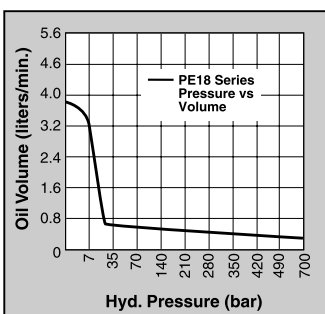
- Vanguard Jr.® pumps provide two-speed high performance in a light-weight, compact package.
- Ideal for use with small hydraulically powered tools.
- For use with single- or double-acting cylinders at operating pressures to 700 bar.
- Gauge port provided on pump. Metal reservoir on all models.
- Equipped with a .37 kW, 220 volt, 50 Hz single phase motor that starts under load, even at reduced voltage.
- Low amperage draw permits use with smaller generators and low amperage circuits.
- All pumps have a 3 meter remote control except PE183C-50-220 which has a 7.6 meter remote control.

- CSA rated for intermittent duty. High noise level of 85-90 dBA.

### For operating hydraulic crimping, cutting or other tools:

- **No. PE183C-50-220** - For crimping or pressing applications. Has special electrical circuitry to pulse/advance, hold at full pressure, build to a predetermined pressure, release and reset circuit. Features separate emergency return switch.
- **No. PE184C-50-220** - Allows you to alternately operate a spring-return cutting and/or crimping tool without disconnecting either tool. Select port connection with manual 4-way valve, start pump with remote control hand switch and extend connected tool. When hand switch is switched to off, pump stops and automatic valve opens, allowing tool to return. In center (neutral) position, manual control valve holds tool in position at time valve is shifted.

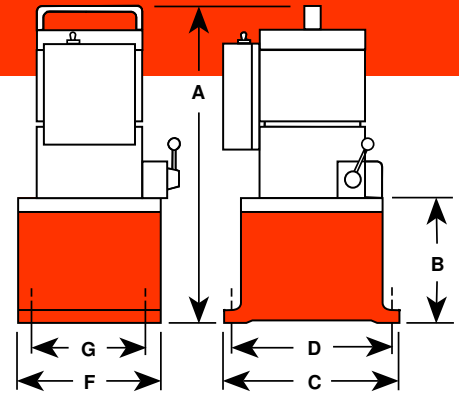
## PERFORMANCE



## DC Conversion Kit\*

Order kit No. 205601 to convert PE18 series pumps from 115/230 volt AC to 115/230 volt DC. Kit includes a heavy-duty ON/OFF switch for both AC and DC voltage hook-ups.

\* For use only with PE182, PE183, PE184 and PE184-2 when no remote control is used.



## SPECIFICATIONS AND DIMENSIONS

Pump No.	Maximum Pressure Output	rpm	dBA at Idle & 700 bar	Amp Draw 220V at 700 bar	Oil Del. (liters/min. @) †				Dimensions (mm)						Prod. Weight with Oil (kg)
					0 bar	7 bar	350 bar	700 bar	A	B	C	D	F	G	
PE182-50-220 PE183-50-220 PE183A-50-220 PE184-50-220	700 bar	12,000	85/90**	4.5 Amps	3.7	3.0	0.4	0.3	406	121	203	181	152	130	13.6
PE183-2-50-220* PE184-2-50-220*	700 bar	12,000	85/90**	4.5 Amps	3.7	3.0	0.4	0.3	470	184	292	254	241	203	19.0
PE183C-50-220 ††	700 bar	12,000	85/90**	4.5 Amps	3.7	3.0	0.4	0.3	406	121	203	181	152	130	13.6
PE184C-50-220 ††	700 bar	12,000	85/90**	4.5 Amps	3.7	3.0	0.4	0.3	406	121	203	181	152	130	13.6

\* 9.5 L reservoir.

\*\* Measured at 0.9 meter distance, all sides.

† Typical delivery. Actual flow will vary with field conditions.

†† Special application pumps for cutting, crimping or pressing.

## ORDERING INFORMATION

See current price list for shipping weights.

### SINGLE-ACTING

Description	Order No.	Valve		Control Switch ††	Motor**	Reservoir (Usable)
		Type	Function			
Base model pump has .37 kW pump with 2-Way valve and 1.9 L reservoir.	<b>PE182-50-220</b>	2-Way	Advance Return†	Remote Motor Control (3.1 m) on/off	.37 kW 220 volts 50/60 Hz A.C., Single Phase	1.7 liters
PE182-50-220, except has 3-way valve.	<b>PE183-50-220</b>	3-Way	Advance Hold Return	Remote Motor Control (3.1 m) on/off		1.7 liters
PE18350-220, except has 7.6 L reservoir.	<b>PE183-250-220</b>	3-Way	Advance Hold Return	Remote Control (3.1 m)		8.4 liters††
PE183, except has "dump valve".	<b>PE183A-50-220</b> ∞	Auto/Dump Pump	Advance Return	Remote (3.1 m)		1.7 liters
Special crimping pump. See details on page 44.	<b>PE183C50-220</b> ∞	Special, for crimping only	Advance Hold Return	Remote Motor Control (7.6 m) on/off		1.7 liters

### DOUBLE-ACTING

Description	Order No.	Valve		Control Switch ††	Motor**	Reservoir (Usable)
		Type	Function			
Base model pump has .37 kW pump for double-acting systems with 1.9 L reservoir.	<b>PE184-50-220</b>	4-Way	Advance Hold Return†	Remote Motor Control (3.1 m) on/off	.37 kW 220 volts 50/60 Hz A.C., Single Phase	1.7 liters
PE184, except with 7.6 L reservoir.	<b>PE184-2-50-220</b>	4-Way	Advance Hold Return†	Remote Motor Control (3.1 m) on/off		8.4 liters††
Special crimping pump. See details on page 44.	<b>PE184C-50-220*</b>	4-Way	Advance Return	Remote Control (3.1 m) on/off		1.7 liters

\* Also for use with special single-acting cylinder applications.

\*\* Available with 115 Volt, 60/50 Hz motor (to order, remove suffix "50-220" from pump order number). Specify voltage when ordering.

† Holds when motor is shut off and valve is in "advance" position.

†† Pumps supplied with 7.6 L oil (usable oil is 5.7L), will hold 9.5 L when filled to within 12.7 mm below reservoir cover plate.

∞ Not to be used for lifting.

# Electric Hydraulic Pumps

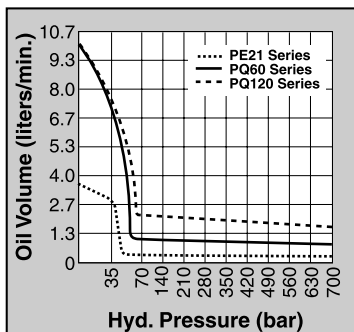
360.8 cu. cm./min. — .75 kW (PE21 Series)

Low-speed, high-torque pump designed specifically for heavy-duty, extended-cycle operations. Generally recommended for cylinders up to 75 ton.



- Totally enclosed, fan cooled induction motor: 2-Speed .75 kW, 1,437 rpm, 50 Hz, single phase. Thermal overload protection.
- Remote control, with 3.1 m cord is standard on pumps with solenoid valves only. Manual valve pumps have “Stop”, “Start” and “Run/Off/Pulse” switches. Pump controls are moisture and dust resistant. Electrical controls comply with new NEMA 12 standards.
- “Posi-Check®” valve provides positive load holding.
- All metal unit has motor drip cover with carrying handles and lifting lug.
- Very low noise level of 70 dBA @ 700 bar.
- Has electrical shut down in the event of electrical interruption. Pump shuts off and will not automatically start up until operator presses the pump start button.
- 24 volt control circuits on units with remote controls provide additional user/operator safety.

## PERFORMANCE

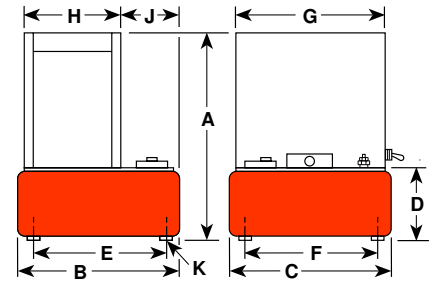


## 19 and 38 liter reservoirs

For extra oil capacity there is a 19 and 38 liter reservoir available for the PE series pumps. See these accessories on page 165.



PE21 series pump and RD5513 cylinder used in a special press that produces pharmaceutical-grade extracts for herbal medicines.



## SPECIFICATIONS AND DIMENSIONS

Pump No.	Max. Press. Output	rpm	dBA at Idle and 700 bar	Amp Draw at 700 bar	Oil Delivery (liters/min.@)				Dimensions (mm)									Prod. Wt. w/Oil (kg)	
					7 bar	70 bar	350 bar	700 bar	A	B	C	D	E	F	G	H	J		K ***
PE21 Series	700 bar	1,437	70 *	See Chart Below	3.6	0.4	0.4	0.3	543	292	241	165	254	203	359	241	82.6	½ -20 UNF	44.4†

\* Measured at a 0.9 meter distance, all sides.

\*\*\* For 50.8 mm dia. swivel casters, order (4) No. 10494.

† Shipping weight with manual valve; add 6.4 kg for pump with solenoid valve.

## ORDERING INFORMATION ‡

See current price list for shipping weights.

### SINGLE-ACTING

Description	Order No.	Valve			Max. Amp Draw @ 700 bar	Motor	Reservoir (Usable)
		Type	No.	Function			
.75 kW pump with 9.5 liter reservoir and manual valve.	PE213-50-220	3-Way	9520*	Advance Hold Return	220V - 7.5 amps 115V - 15 amps	.75 kW 220 Volt 50 Hz††, Single Phase	9.4 liters
PE213-50-220, except has solenoid operated remote valve.	PE213S-50-220	3-Way	9599†	Advance Hold Return	220V - 7.5 amps 115V - 15 amps	.75 kW 220 Volt 50 Hz††, Single Phase	9.4 liters

### DOUBLE-ACTING

Description	Order No.	Valve			Max. Amp Draw @ 700 bar	Motor	Reservoir (Usable)
		Type	No.	Function			
.75 kW pump with 9.5 liter reservoir and manual valve.	PE214-50-220	4-Way	9506*	Advance Hold Return	220V - 7.5 amps 115V - 15 amps	.75 kW 220 Volt 50 Hz††, Single Phase	9.4 liters
PE214-50-220, except has solenoid operated remote valve.	PE214S-50-220	4-Way	9512†	Advance Hold Return	220V - 7.5 amps 115V - 15 amps	.75 kW 220 Volt 50 Hz††, Single Phase	9.4 liters

\* Manual valve. Pump is equipped with RUN/OFF/PULSE switch for control of motor.

† Solenoid valve. Pump is equipped with a remote control switch with 3.1 meter cord.

†† Prewired at factory for this voltage. PE21 series available in 115V 60Hz or 230 60Hz. Please specify when ordering. Example: for 115V 60Hz order PE213; for 230V 60Hz order PE213-230.

‡ Some Power Team pumps are available in special configurations not listed in this catalog. Power Team can "Assemble to Order" pumps with special seals, voltages, valves, relief valve settings, etc. For your special requirements please consult your local distributor or the Power Team factory.

# Electric Hydraulic Pumps

410 cu. cm./min. — 1.12 kW (PED Series)

Ideal for running multiple tools or cylinders from one power unit.  
Generally recommended for cylinders up to 75 tons.



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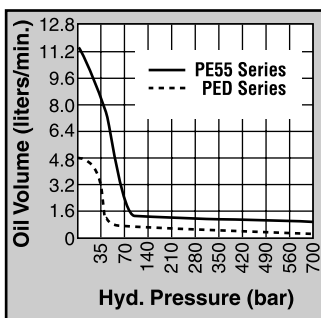
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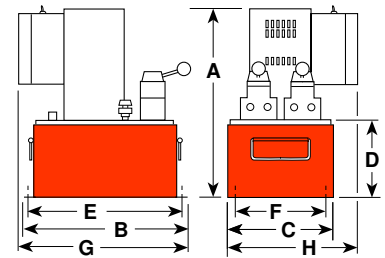


- Two-speed pumps have the same low pressure and high pressure flows from both valves. Flows and pressures of each pump are independent.
- Both pumps deliver 4.8 L/min. of oil @ 7 bar and .4 L/min. @ 700 bar.
- Have 1.12 kW, 220 volt, 50 Hz induction motor, 3.1 meter remote control and 19 liter steel reservoir.

- Models available for operating single-acting or double-acting cylinders.
- Each power unit contains two separate pumps and two separate valves. This allows operator to control multiple processes with just one power unit.
- Both pumps on each power unit are equipped with an externally adjustable pressure relief valve.
- Not recommended for frequent starting and stopping.

## PERFORMANCE





## SPECIFICATIONS AND DIMENSIONS

Pump No.	rpm	Maximum Pressure Output	dBA at Idle and 700 bar	Amp Draw at 700 bar (220 V.)	Oil Delivery (liters/min. @)				Dimensions (mm)								Product Weight With Oil (kg)
					7 bar	48.2 bar	350 bar	700 bar	A	B	C	D	E	F	G	H	
PED Series	2,874	700 bar	87/85*	11	4.8	0.6	0.6	0.4	527	457	292	216	419	229	457	330	77

\* Noise level reading (dBA) measured at a 0.9 meter distance, all sides.

## ORDERING INFORMATION

See current price list for shipping weights.

### SINGLE-ACTING

Description	Order No.	Valve			Control Switch ††	Motor	Reservoir (Usable)
		Type	No.	Function			
1.12 kW pump with 19 liter reservoir. Valve has "Posi-Check®" feature.	<b>PED253-50-220</b>	3-Way	9520	Advance Hold Return	Remote Motor	1.12 kW 220V, 50 Hz A.C. Single Phase	16 liters

### DOUBLE-ACTING

Description	Order No.	Valve			Control Switch ††	Motor	Reservoir (Usable)
		Type	No.	Function			
1.12 kW pump with 19 liter reservoir. Valve has "Posi-Check®" feature.	<b>PED254-50-220</b>	4-Way	9506	Advance Hold Return	Remote Motor	1.12 kW 220V, 50 Hz A.C. Single Phase	16 liters
PED254, except has solenoid operated remote valve.	<b>PED254S-50-220</b>	4-Way	9512	Advance Hold Return	Remote Valve		16 liters

†† Control switch wired with line voltage. All remotes are 3.1 meters long.

# Electric Hydraulic Pumps

.48 L/min. — .75 kW (PE30 Vanguard® Series)

Two-speed high performance pump at a low price. Ideal for maintenance and construction applications where low voltage is a concern. Generally recommended for cylinders up to 100 tons.



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**Pump Accessories**  
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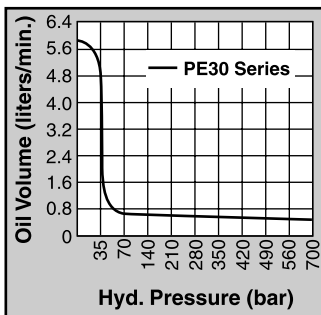
**Cylinder/Pump Speed/Selection Chart**  
Page 178

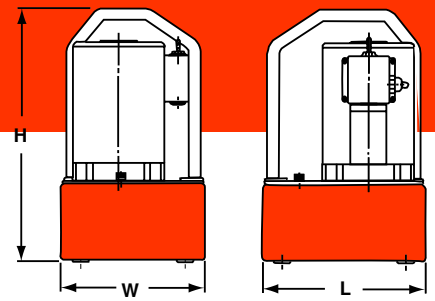
**Choosing The Right Pump**  
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- Two-speed Vanguard® 30 series pumps deliver a powerful punch to operate single-acting or double-acting cylinders.
- Rugged all metal construction; integral roll cage protects pump from abuse.
- Equipped with a .75 kW, single phase, permanent magnet motor.
- Choice of 110/115 volt or 220/230 volt, 50/60 Hz.
- Require relatively low voltage, making them ideal for use in general construction applications. Amp draw at 700 bar only is 13 amps @ 110/115 volts and 6.5 amps @ 220/230 volts.

- Pump will start under full load even when voltage is reduced to 50% of nominal rating.
- High performance to weight ratio. Deliver up to .48 liters of oil per minute at maximum operating pressure of 700 bar.
- Choice of 4.7 or 6.6 liter aluminum reservoirs.
- Quiet operation: 82 dBA @ 700 bar and 87 dBA @ 0 bar. CSA rated for intermittent duty.
- For faster cylinder return, the 9520 "Posi-Check®" style manual valve has improved porting.
- All models having remote controls and/or solenoid valves feature 24 volt controls. An internal pressure regulator is optional on all pumps.
- Portable - all metal hydraulic pump weighs only 18.6 kg. with oil (4.7 liter reservoir).

## PERFORMANCE





## SPECIFICATIONS AND DIMENSIONS

Pump No.	Maximum Pressure Output	dBA at Idle & 700 bar	Amp Draw 220V at 700 bar	Oil Del. (liters/min. @)					Overall Dimensions (mm)	Prod. Wt. With Oil (kg)
				7 bar	35 bar	70 bar	350 bar	700 bar		
PE30 Series w/4.7 liter res.	700 bar	87/82	7	4.8	3.2	0.7	0.6	0.5	254L x 229W x 406H	18.6
PE30 Series w/6.6 liter res.	700 bar	87/82	7	4.8	3.2	0.7	0.6	0.5	343L x 241W x 419H	22.2

PUMPS

## ORDERING INFORMATION

See current price list for shipping weights.

### SINGLE-ACTING

Description	Order No.	Valve			Control Switch ††	Motor (4,000 rpm) ††	Reservoir (Usable)
		Type	No.	Function			
Base model .75 kW pump with 4.7 liter reservoir & 2 position valve.	PE302-220 ∞	3-Way, 2 Pos.	9584	Advance Return	On/Off/ Pulse Switch	.75 kW 220/230 VAC, 50/60 Hz AC, Single Phase	4.5 liters**
PE302-220, except has 6.6 liter reservoir.	PE302-2-220	3-Way, 2 Pos.	9584	Advance Return	On/Off/ Pulse Switch	.75 kW 220/230 VAC, 50/60 Hz AC, Single Phase	6.1 liters***
PE302-220, except has remote motor control.	PE302R-220	3-Way, 2 Pos.	9584	Advance Return	Remote Motor Control (3.1 m)	.75 kW 220/230 VAC, 50/60 Hz AC, Single Phase	4.5 liters**
PE302R-220, except has 6.6 liter reservoir.	PE302R-2-220	3-Way, 2 Pos.	9584	Advance Return	Remote Motor Control (3.1 m)	.75 kW 220/230 VAC, 50/60 Hz AC, Single Phase	6.1 liters***
PE302R-220, except also has solenoid operated remote valve.	PE302S-220	3-Way, 2 Pos.	9579	Advance Return	Remote Motor & Valve (3.1 m)	.75 kW 220/230 VAC, 50/60 Hz AC, Single Phase	4.5 liters**
PE302S-220, except has 6.6 liter reservoir.	PE302S-2-220	3-Way, 2 Pos.	9579	Advance Return	Remote Motor & Valve (3.1 m)	.75 kW 220/230 VAC, 50/60 Hz AC, Single Phase	6.1 liters***
PE302-220, except has "Auto Dump" valve.	PE302A-220	Auto Dump	9610	Automatic Pilot Operation	Remote Motor Control (3.1 m)	.75 kW 220/230 VAC, 50/60 Hz AC, Single Phase	4.5 liters**
PE302A-220, except has 6.6 liter reservoir.	PE302A-2-220	Auto Dump	9610	Automatic Pilot Operation	Remote Motor Control (3.1 m)	.75 kW 220/230 VAC, 50/60 Hz AC, Single Phase	6.1 liters***
Base model .75 kW pump with 4.7 liter reservoir & 3 position valve.	PE303-220	3-Way, 3 Pos.	9520*	Advance Hold Return	On/Off/ Pulse Switch	.75 kW 220/230 VAC, 50/60 Hz AC, Single Phase	4.5 liters**
PE303-220, except has 6.6 liter reservoir.	PE303-2-220	3-Way, 3 Pos.	9520*	Advance Hold Return	On/Off/ Pulse Switch	.75 kW 220/230 VAC, 50/60 Hz AC, Single Phase	6.1 liters***
PE303-220, except has remote motor control.	PE303R-220	3-Way, 3 Pos.	9520*	Advance Hold Return	Remote Motor Control (3.1 m)	.75 kW 220/230 VAC, 50/60 Hz AC, Single Phase	4.5 liters**
PE303R-220, except has 6.6 liter reservoir.	PE303R-2-220	3-Way, 3 Pos.	9520*	Advance Hold Return	Remote Motor Control (3.1 m)	.75 kW 220/230 VAC, 50/60 Hz AC, Single Phase	6.1 liters***

### DOUBLE-ACTING

Description	Order No.	Valve			Control Switch	Motor (4,000 rpm) ††	Reservoir (Usable)
		Type	No.	Function			
Base model .75 kW pump with 4.7 L res. & 4-way valve for double-acting systems.	PE304-220	4-Way, 3 Pos. Tandem Ctr.	9506*	Advance Hold Return	On/Off/ Pulse Switch	.75 kW 220/230 VAC, 50/60 Hz AC, Single Phase	4.5 liters**
PE304-220, except has 6.6 liter reservoir.	PE304-2-220	4-Way, 3 Pos. Tandem Ctr.	9506*	Advance Hold Return	On/Off/ Pulse Switch	.75 kW 220/230 VAC, 50/60 Hz AC, Single Phase	6.1 liters***
PE304-220, except has remote motor control.	PE304R-220	4-Way, 3 Pos. Tandem Ctr.	9506*	Advance Hold Return	Remote Motor Control (3.1 m)	.75 kW 220/230 VAC, 50/60 Hz AC, Single Phase	4.5 liters**
PE304R-220, except has 6.6 liter reservoir.	PE304R-2-220	4-Way, 3 Pos. Tandem Ctr.	9506*	Advance Hold Return	Remote Motor Control (3.1 m)	.75 kW 220/230 VAC, 50/60 Hz AC, Single Phase	6.1 liters***

\* "Posi-Check" valve design, "Posi-Check" guards against pressure loss when valve is shifted from "advance" to "hold" position.

\*\* Shipped with 3.8 liters of oil (3.4 liters usable).

\*\*\* Shipped with 7.6 liters of oil.

∞ Not to be used for lifting. Best suited for crimping, pressing & punching applications.

†† For 110/115 volt, 50/60 Hz. remove suffix "- 220" (example PE302).