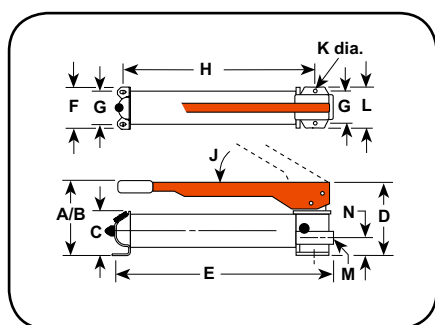


Model Shown:
P55, P12, P23



Features

STEEL HAND PUMPS BEST SUITED FOR MRO APPLICATIONS.

- All metal construction won't burn through in welding environments.
- Formed metal handle provides rigidity, and reduces operator fatigue with grip.
- Convenient fill port enables pumps to be filled in a horizontal or vertical position, excluding P12.
- Fill cap seal acts as safety valve preventing over-pressurizing of reservoir.
- Large valve knob gives added control for slowly metering loads down.



Pump Protection System



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 only fill to bottom of threads.



Foot Pump Conversion Kit



For Use With:	Kit Order No.	Wt. (kg)
P55, P59	FK59	2,7

Technical Dimensions

Order No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	J (deg.)	K (mm)	L (mm)	M (in.)	N (mm)
P12	101,6	330,2	60,0	101,6	342,9	85,7	55,6	292,1	45°	4,8	85,7	3/8 NPTF	28,6
P19	139,7	371,5	73,0	115,9	347,7	101,6	82,6	281,0	53°	7,9	101,6	3/8 NPTF	35,7
P23*	158,8	330,2	88,9	141,3	346,1	108,0	82,6	261,6	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
P59	177,8	533,4	88,9	127,0	584,2	108,0	82,6	501,7	38°	7,9	120,7	3/8 NPTF	41,3
P59F	88,9	425,5	88,9	152,4	590,6	108,0	82,6	514,4	—	7,9	114,3	3/8 NPTF	42,9

*The P23 pump maximum pressure is 210 bar only.

Ordering Information

For Use With	Speed	Order No.	Volume per Stroke		Max. Pressure		Handle Effort (kg)	Reservoir		Oil Port (cm)	Prod. Wt. (kg)
			LP (cm ³)	HP (cm ³)	LP (bar)	HP (bar)		Oil Cap. (cm ³)	Usable Oil Cap. (cm ³)		
Single-Acting Cylinders	1	P12	—	1,1	—	700	34	197	148	3/8 NPTF	2,6
	2	P19	5,0	1,2	22	700	45	400	328	3/8 NPTF	3,0
	1	P23	—	2,6	—	210	32	390	333	3/8 NPTF	5,5
	1	P55	—	2,6	—	700	66	902	738	3/8 NPTF	7,2
	2	P59	10,9	2,6	22	700	66	902	738	3/8 NPTF	7,8
	2	P59F	9,0	2,1	22	700	55	902	738	3/8 NPTF	6,4

LP = Low Pressure - HP = High Pressure

Model Shown:

P300, P157, P159D, P460

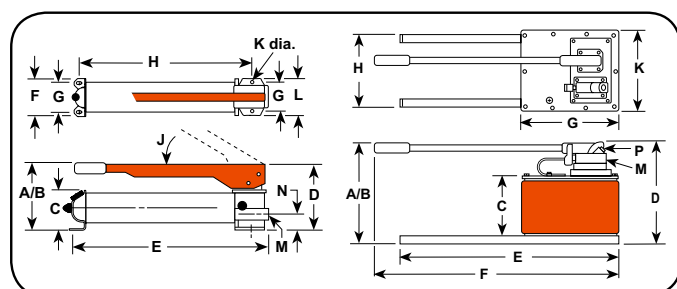


Pumps

Features

HEAVY-DUTY STEEL HAND PUMPS HOLD UP TO THE MOST DEMANDING APPLICATIONS.

- Rugged all metal construction for strength and durability that won't burn through in welding environments.
- Heavy-duty, formed metal handle provides rigidity, and reduces operator fatigue with grip.
- Convenient oil fill ports.
- 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.



Foot Pump Conversion Kit



For Use With:	Kit Order No.	Wt. (kg)
P157, P159, P300, P300D	FK159B	2,7

Technical Dimensions

Order No.	A (cm)	B (cm)	C (cm)	D (cm)	E (cm)	F (cm)	G (cm)	H (cm)	J (deg.)	K (cm)	L (cm)	M (cm)	N (cm)	P (cm)
P157 / P159	197	521	123,8	175	578	98,4	76,2	502	39	7,9	95,3	3/8 NPTF	57,2	—
P300	210	522	114,3	175	575	215,9	190,5	526	39	7,9	95,3	3/8 NPTF	57,2	—
P460	283	787	171,5	289	610	743	279,4	229	80	241,3	—	3/8 NPTF	—	1/4 NPTF

Ordering Information

For Use With	Speed	Order No.	Volume per Stroke		Max. Pressure		Handle Effort (kg)	Reservoir		Oil Port (cm)	Prod. Wt. (kg)
			LP	HP	LP	HP		Oil Cap.	Usable Oil Cap.		
			(cm³)	(cm³)	(bar)	(bar)		(cm³)	(cm³)		
Single-Acting Cylinders	2	P157	10,7	2,6	97	700	64	2491	2245	3/8 NPTF	11,8
	2	P159	42,6	2,6	22	700	64	2491	2245	3/8 NPTF	11,8
	2	P300	42,6	2,6	22	700	64	5700	5081	3/8 NPTF	25,1
	2	P460	120,5	4,6	22	700	41	9500	7539	3/8 NPTF	24,9
Double-Acting Cylinders*	2	P157D	10,7	2,6	97	700	64	2491	2245	3/8 NPTF	13,1
	2	P159D	42,6	2,6	22	700	64	2491	2245	3/8 NPTF	12,7
	2	P300D	42,6	2,6	22	700	64	5700	5081	3/8 NPTF	25,9
	2	P460D	120,5	4,6	22	700	41	9500	7539	3/8 NPTF	26,3

* Pump includes 4-Way Valve LP = Low Pressure, HP = High Pressure

Model Shown:

PA462, PA464R, PA554

Pumps



Features

ROTARY-STYLE AIR MOTOR. USE WHERE AIR IS THE PREFERRED SOURCE OF ENERGY.

- 2,2 kW motor starting under full load.
- Two-speed operation for rapid cylinder advance.
- Models available with full remote control over advance and return, (except PA554).
- Tandem center valve holds the load when pump is shut-off.



Torque Wrench Pumps

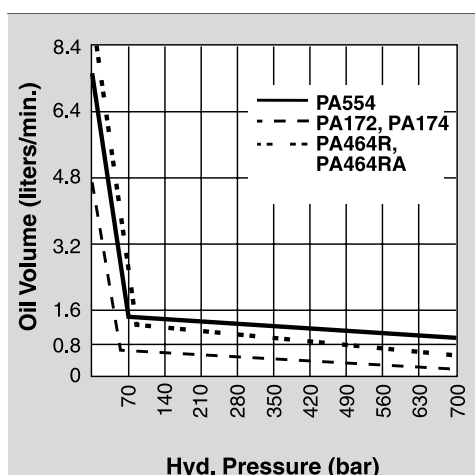


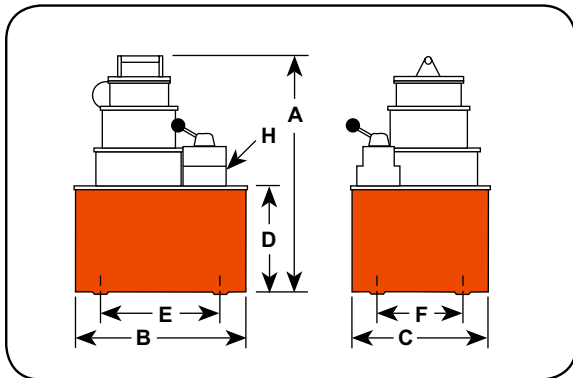
For Torque Wrench Pump Configurations, refer to the Tools Section.

- ▶ **PA554 pump and RH2008 Center Hole cylinder used to tension cables.**



Performance Specifications





Analog Gauges



Improve your system visibility and safety by adding an inline hydraulic gauge to your circuit.

9040E (63 mm)
9052E (100 mm)

Technical Dimensions

Order No.	A	B	C	D	E	F	H	Max. Pressure Output	Oil Del. (l/min. @) *				
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(in.)		0	7	70	350	700
PA462	381	292	241	178	254	203	3/8 NPTF	700	7,4	7,2	0,8	0,8	0,7
PA464	381	292	241	178	254	203	3/8 NPTF	700	7,4	7,2	0,8	0,8	0,7
PA464R	381	292	241	178	254	203	3/8 NPTF	700	7,4	7,2	0,8	0,8	0,7
PA464RA	381	292	241	178	254	203	3/8 NPTF	700	7,4	7,2	0,8	0,8	0,7
PA554	483	292	241	178	254	203	3/8 NPTF	700	7,4	7,2	1,3	1,1	0,7

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

Note: Reservoir has four 1/2" - 20 mounting holes.

Ordering Information

For Use With Cylinder Type	Description	Order No.	Valve Number	Valve Function	Air Supply Req'd (bar)	Reservoir		Prod. Wt. (kg)
						Oil Cap. (L)	Usable Oil Cap. (L)	
Single-Acting	Base model pump with 9,6 liter steel reservoir.	PA462	9584, 2-way	Advance/ Hold/Return	3 - 8	9,5	9,4	27,2
Single and Double-Acting	PA462, except has 9500 valve capable of running 2 single-acting cylinders or one double-acting cylinder.	PA464	9500, 4-way	Advance/ Hold/Return*	3 - 8	9,5	9,4	27,6
Single and Double-Acting	PA462 with air actuated valve for full remote control over advance and return. Includes 3,7 meter remote control.	PA464R†	9594, 4-way	Advance/ Hold/Return	3 - 8	9,5	9,4	35,3
Single and Double-Acting	PA464R except, has automatic dump feature. 7,6 meter remote control.	PA464RA**†	9594, 4-way	Advance/ Hold/Return*	3 - 8	9,5	9,4	35,8
Single and Double-Acting	High performance pump with 9,5 liter steel reservoir.	PA554	9500, 4-way	Advance/ Hold/Return*	3 - 8	9,5	8,4	32,0

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

** Not to be used for lifting.

† The PA464RA has an "automatic dump" feature. Pressure is not held when operator releases "advance" or "return" button. PA464R will "hold" only in the "advance" position with the motor shut-off.

Notes: Requires 1420 l/m at 5,5 bar shop air pressure at the pump. 85/90 dBA at 700 bar.

Model Shown:

PA6, PA6M-1, PA6-2



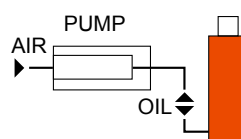
Features

**COMPACT, LIGHTWEIGHT AND PORTABLE.
SINGLE-SPEED PUMPS DESIGNED TO DRIVE
SINGLE-ACTING CYLINDERS.**

- The power unit of choice for major manufacturers of auto body, frame straighteners and other shop equipment.
- Operate at 3-8 bar shop air pressure at the pump.
- Quiet operation that is suitable for indoor applications, 85 dBA at 700 bar.
- Serviceable pump motor is not a "throw away" providing economical repair.
- Permanently vented reservoir cap.
- Internal relief valve protects circuit components, air inlet filter protects motor.



Typical Set-Up

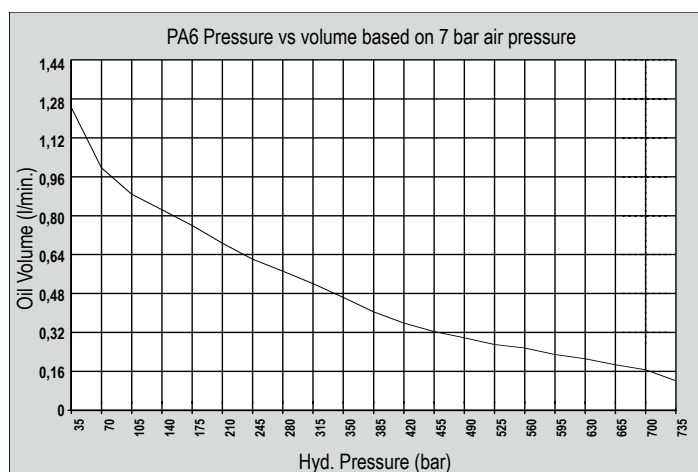


Hook-up for
single-acting cylinders

- ▶ **PA6 is the perfect choice for driving this nut splitter in this heavy truck shop.**



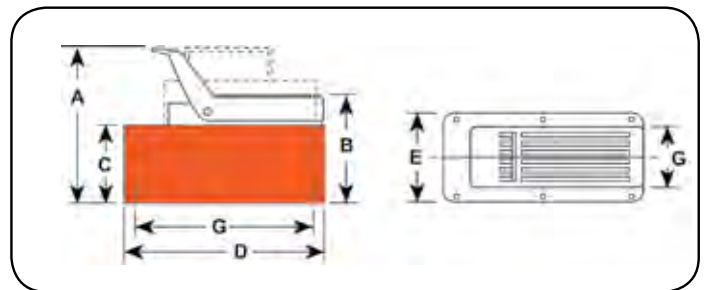
Performance Specifications



► Two Point Lifting System Example



Pumps



► Technical Dimensions

Order No.	A	B	C	D	E	G
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
PA6	197	149	111	241	127	102 x 229
PA6A	197	149	111	241	127	102 x 229
PA6AM	197	149	111	241	127	102 x 229
PA6M	197	149	111	241	127	102 x 229
PA6R	197	149	111	241	127	102 x 229
PA6RM	197	149	111	241	127	102 x 229
PA6M-1	200	152	111	321	187	—
PA6-2	254	197	171	292	241	203 x 254
PA6M-2	260	203	178	292	241	130 x 181

► Ordering Information

Description	Order No.	Air Supply Req'd (bar)	Reservoir		Oil Port (in.)	Prod. Wt. (kg)
			Oil Cap. (l)	Usable Oil Cap. (l)		
Base model pump with high density polyethylene reservoir.	PA6	3 - 8	1,7	1,6	3/8 NPTF	6,3
PA6 pump with externally adjustable relief valve and polyethylene reservoir	PA6A	3 - 8	1,7	1,6	3/8 NPTF	6,8
PA6 pump with externally adjustable relief valve and metal reservoir.	PA6AM	3 - 8	1,7	1,6	3/8 NPTF	7,7
PA6 pump with metal reservoir.	PA6M	3 - 8	1,7	1,6	3/8 NPTF	8,2
PA6 pump with 3,7 m remote control and polyethylene reservoir	PA6R	3 - 8	1,7	1,6	3/8 NPTF	9,3
PA6 pump with 3,7 m remote control and metal reservoir.	PA6RM	3 - 8	1,7	1,6	3/8 NPTF	9,8
PA6 pump with 3,8 l metal reservoir.	PA6M-1	3 - 8	3,8	3,0	3/8 NPTF	10,7
PA6 pump with 7,6 l high density polyethylene reservoir.	PA6-2	3 - 8	7,6	7,3	3/8 NPTF	11,1
PA6 pump with 9,5 l metal reservoir.	PA6M-2	3 - 8	9,5	9,1	3/8 NPTF	14,5

Model Shown:
PA172, PA174

Pumps



Features

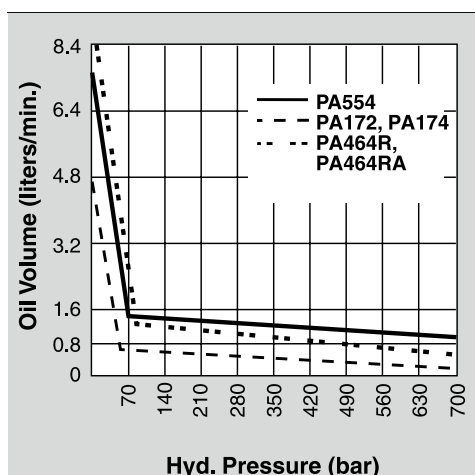
ROTARY-STYLE AIR MOTOR. USE WHERE AIR IS THE PREFERRED SOURCE OF ENERGY.

- Two-speed operation for high speed cylinder advance.
- Durable 7,6 liter thermoplastic reservoir. (Metal reservoir conversion kits are available.)
- Air motor capable of starting under full load.

The PA17 used with a flange spreader



Performance Specifications





Hydraulic Hoses



Heavy-duty and thermo plastic hydraulic hoses to meet your requirements and safety factor.

Refer to accessories section for details



Hydraulic Fluids



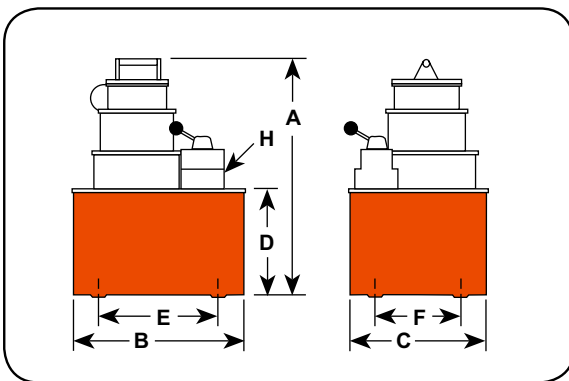
For dependable performance of all your hydraulic pumps and cylinders. Power Team specialty blended oils contains foam suppressant additives and has a high viscosity index. Refer to the Accessories section for complete details



Learn More - About Hydraulic Safety Insight



Looking for great safety suggestions? Visit our Resource Section to get a better understanding of hydraulic and mechanical safety insights on what to look for when working around hydraulics



Technical Dimensions

Order No.	A	B	C	D	E	F	H	Max. Pressure Output	Oil Del. (l/min. @) *				
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(in.)		0	7	70	350	700
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(in.)		(bar)	(bar)	(bar)	(bar)	(bar)
PA172	359	289	235	178	181	130	3/8 NPTF	700	4,6	3,8	0,4	0,4	0,3
PA174	359	289	235	178	181	130	3/8 NPTF	700	4,6	3,8	0,4	0,4	0,3

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

Ordering Information

For Use With Cylinder Type	Description	Order No.	Valve No.	Valve Function	Air Supply Req'd (bar)	Reservoir		Prod. Wt. (kg)
						Oil Cap. (L)	Usable Oil Cap. (L)	
Single-Acting	Base model pump with 7,6 liter thermoplastic reservoir.	PA172	9517, 2-way	Advance Return*	3-8	7,6	4,7	18,1
Single and Double-Acting	PA172, except has 9500 valve for use with single or double-acting cylinders	PA174	9500, 4-way	Advance Hold Return*	3-8	7,6	4,7	18,6

* Holds pressure in advance position when valve motor is shut-off or in return position with motor running.

Pump will build pressure when motor is shut-off and oil returns to reservoir.

Notes: Requires 1133 l/min at 7 bar shop air pressure at the pump. 85/90 dBA at 700 bar.

Model Shown:
PE172-E220



Pumps



Features

FOR MAINTENANCE AND CONSTRUCTION APPLICATIONS.

- For use with single or double-acting cylinders at operating pressure up to 700 bar.
- Equipped with 0,37 kW, 2850 rpm, single-phase, thermal protected induction motor; 3 m remote control cord (PE172S has 7,6 m cord)
- Low amperage draw; small generators and low amperage circuits can be use as power source.
- Extremely quiet noise level (67-81 dBA).
- Starts under full load for intermittent duty.



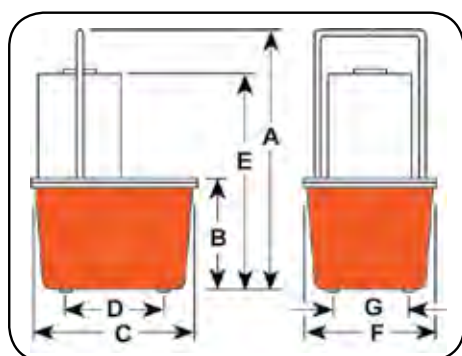
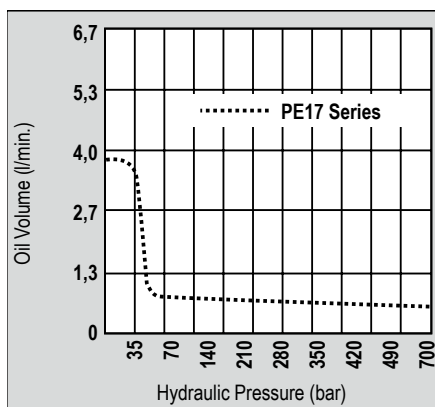
Hydraulic Hoses

Heavy-duty and thermo plastic hydraulic hoses to meet your requirements and safety factor.

Refer to the accessories section for details.



Performance Specifications



Technical Dimensions

Order No.	A	B	C	D	E	F	G	Max. Pressure Output (bar)	rpm	dBA at Idle and 700 (bar)	Amp Draw 220 V - at 700 (bar)	Oil Del. (l/min. @)				Prod. Wt. with Oil (kg)
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)					0 (bar)	7 (bar)	350 (bar)	700 (bar)	
PE17 Series	470	178	289	181	378	235	130	700	2800	67/81*	5	3,9	2,5	0,3	0,2	20,4
PE17M Series	460	168	292	—	368	241	—	700	2800	67/81*	5	3,9	2,5	0,3	0,2	24,0

* Measured at 0,9 m distance, all sides

► Ordering Information

For Use With Cylinder Type	Description	Order No.	Valve Type	Valve No.	Valve Function	Control Switch	Motor	Reservoir Usable Oil Cap. (l)
Single-Acting	Base model pump with 0,37 kW pump with 7,6 liter thermoplastic reservoir. Non CE	PE172-50-220	2-Way	9517	Advance Return (Auto†)	Remote Motor Control (3,1 m) on/off	0,37 kW, 220V 50/60 Hz, Single Phase	4,72
Single-Acting	PE172-50-220, Non CE except has 9,5 liter steel reservoir.	PE172M-50-220	2-Way	9517	Advance Return (Auto†)	Remote Motor Control (3,1 m) on/off	0,37 kW, 220V 50/60 Hz, Single Phase	6
Single-Acting	PE172-50-220, Non CE except has solenoid operated valve.	PE172S-50-220	3-Way	9570	Advance Hold Return	Remote Motor & Valve (7,6 m)	0,37 kW, 220V 50/60 Hz, Single Phase	4,72
Single-Acting	PE172S-50-220, Non CE except has steel reservoir.	PE172SM-50-220	3-Way	9570	Advance Hold Return	Remote Motor & Valve (7,6 m)	0,37 kW, 220V 50/60 Hz, Single Phase	6
Single-Acting	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	0,37 kW, 220V 50/60 Hz, Single Phase	4,72
Single-Acting	PE172A-50-220, Non CE except has steel reservoir.	PE172AM-50-220[∞]	Auto./Dump Manifold	45554	Advance Return	Remote Motor Control (3,1 m) on/off	0,37 kW, 220V 50/60 Hz, Single Phase	6
Single-Acting	0,37 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	0,37 kW, 220V 50/60 Hz, Single Phase	4,72
Single-Acting	PE172-E220, except has 9,5 liter steel reservoir. Meets CE requirements	PE172M-E220	2-Way	9517	Advance Return (Auto†)	Remote Motor Control (3,1 m) on/off	0,37 kW, 220V 50/60 Hz, Single Phase	6
Single-Acting	PE172-E220, except has solenoid operated valve. Meets CE requirements	PE172S-E220	3-Way	9570	Advance Hold Return	Remote Motor & Valve (3,1 m)	0,37 kW, 220V 50 Hz, Single Phase	4,72
Single-Acting	PE172-E220, except has steel reservoir. Meets CE requirements	PE172SM-E220	3-Way	9570	Advance Hold Return	Remote Motor & Valve (3,1 m)	0,37 kW, 220V 50 Hz, Single Phase	6
Single-Acting	Best suited for crimping, punching, pressing. Not for lifting. Thermoplastic reservoir. Meets CE requirements	PE172A-E220[∞]	Auto./Dump Manifold	4554	Advance Return	Remote Motor Control (3,1 m) on/off	0,37 kW, 220V 50 Hz, Single Phase	4,72
Single-Acting	PE172A-E220, except has steel reservoir. Meets CE requirements	PE172AM-E220[∞]	Auto./Dump Manifold	4554	Advance Return	Remote Motor Control (3,1 m) on/off	0,37 kW, 220V 50 Hz, Single Phase	6
Single/ Double-Acting	PE172-50-220, Non CE except has 9500 double-acting valve.	PE174-50-220	4-Way	9500	Advance Hold Return*	Remote Motor Control (3,1 m) on/off	0,37 kW, 220V 50 Hz, Single Phase	4,72
Single/ Double-Acting	PE174-50-220, Non CE except has steel reservoir.	PE174M-50-220	4-Way	9500	Advance Hold Return*	Remote Motor Control (3,1 m) on/off	0,37 kW, 220V 50 Hz, Single Phase	6
Single/ Double-Acting	PE172-E220, 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	0,37 kW, 220V 50 Hz, Single Phase	4,72
Single/ Double-Acting	PE174-E220, except has steel. Meets CE requirements	PE174M-E220	4-Way	9500	Advance Hold Return*	Remote Motor Control (3,1 m) on/off	0,37 kW, 220V 50 Hz, Single Phase	6

* 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.

[∞] Not to be used for lifting.

‡ Some Power Team pumps are available in special configurations not listed in this catalog. For your special requirements please consult your local distributor or the Power Team factory.

NOTE: Usable oil is calculated with the oil fill at the recommended level of 38 mm below reservoir cover plate.**NOTE:** Contact Factory for special 12VDC version for service vehicles

Also available in E110 (meets CE requirement)

Model Shown:

PE182, PE183-2, PE183C

Pumps

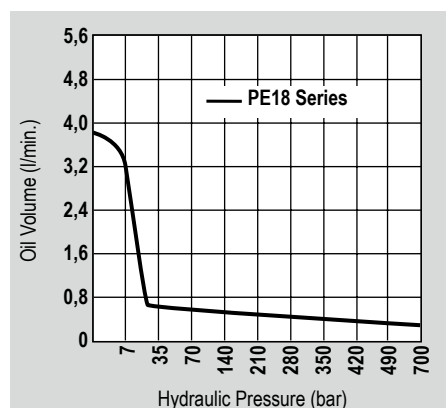


➤ Features

IDEAL FOR USE WITH SMALL HYDRAULIC POWER TOOLS.

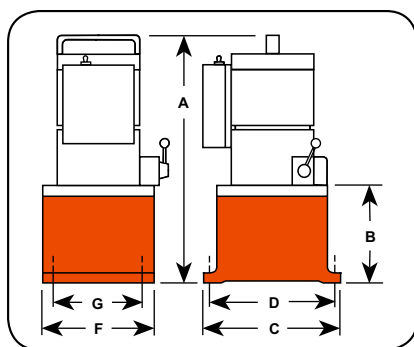
- Vanguard Jr.® pumps provide two-speed high-performance in a light-weight, compact package.
- Gauge port provided on pump. Metal reservoir on all models.
- Equipped with at 0,37 kW, 220V, 60/50 Hz single-phase motor that starts under load, even at reduced voltage.
- Low amperage draw permits use with smaller generators and low amperage circuits.
- All pumps have a 3,1 m remote control (PE183C has 7,6 m remote control).
- Noise level of 85-90 dBA.
- CSA rated for intermittent duty.
- Non CE.

➤ Ordering Information



For operating hydraulic crimping, cutting or other tools:

- **PE183C** - 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.
- **PE184C** - Allows operator 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.



Technical Dimensions

Order No.	A	B	C	D	F	G	Max. Pressure Output (bar)	rpm	dBA at Idle and 700 (bar)	Amp Draw 220V at 700 (A)	Oil Del. (l/min. @) †				Prod. Wt. with Oil (kg)
											0 (bar)	7 (bar)	350 (bar)	700 (bar)	
PE182	406	121	203	181	152	130	700	12000	85/90**	10,2	3,7	3,0	0,4	0,3	13,6
PE183	406	121	203	181	152	130	700	12000	85/90**	10,2	3,7	3,0	0,4	0,3	13,6
PE183A	406	121	203	181	152	130	700	12000	85/90**	10,2	3,7	3,0	0,4	0,3	13,6
PE184	406	121	203	181	152	130	700	12000	85/90**	10,2	3,7	3,0	0,4	0,3	13,6
PE183-2*	470	184	292	254	241	203	700	12000	85/90**	10,2	3,7	3,0	0,4	0,3	19,0
PE184-2*	470	184	292	254	241	203	700	12000	85/90**	10,2	3,7	3,0	0,4	0,3	19,0
PE183C ††	406	121	203	181	152	130	700	12000	85/90**	10,2	3,7	3,0	0,4	0,3	13,6
PE184C ††	406	121	203	181	152	130	700	12000	85/90**	10,2	3,7	3,0	0,4	0,3	13,6

* 9,5 l reservoir.

** Measured at 3 ft. distance, all sides.

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

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

Performance Specifications

For Use With Cylinder Type	Description	Order No.	Valve Type	Valve Function	Control Switch	Motor	Reservoir Usable Oil Cap. (L)
Single-Acting	Base model pump has 0,37 kW pump with 2-Way valve and 1,9 liter reservoir.	PE182	2-Way	Advance Return†	Remote Motor Control (3,1 m) on/off	0,37 kW, 110/115V** 50/60 Hz, A.C., Single Phase	1,7
Single-Acting	PE182, except has 3-way valve.	PE183	3-Way	Advance Hold Return	Remote Motor Control (3,1 m) on/off	0,37 kW, 110/115V** 50/60 Hz, A.C., Single Phase	1,7
Single-Acting	PE183, except has 2 gallon reservoir.	PE183-2	3-Way	Advance Hold Return	Remote Control (3,1 m)	0,37 kW, 110/115V** 50/60 Hz, A.C., Single Phase	8,4 ††
Single-Acting	PE183, except has "dump valve".	PE183A [∞]	Auto./Dump Pump	Advance Return	Remote (3,1 m)	0,37 kW, 110/115V** 50/60 Hz, A.C., Single Phase	1,7
Single-Acting	Special crimping pump.	PE183C [∞]	Special, for crimping only	Advance Hold Return†	Remote Motor Control (7,6 m) on/off	0,37 kW, 110/115V** 50/60 Hz, A.C., Single Phase	1,7
Single-Acting/ Double-Acting	Base model pump has 0,37 kW pump for double-acting systems with 1,9 liter reservoir.	PE184	4-Way	Advance Hold Return	Remote Motor Control (3,1 m) on/off	0,37 kW, 110/115V** 50/60 Hz, A.C., Single Phase	1,7
Single-Acting/ Double-Acting	PE184, except with 9,5 liter reservoir.	PE184-2	4-Way	Advance Hold Return†	Remote Motor Control (3,1 m) on/off	0,37 kW, 110/115V** 50/60 Hz, A.C., Single Phase	8,4 ††
Single-Acting/ Double-Acting	Special crimping pump.	PE184C*	4-Way	Advance Return	Remote Control (3,1 m) on/off	0,37 kW, 110/115V** 50/60 Hz, A.C., Single Phase	1,7

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

** Available with 220V, 60/50 Hz motor (to order, place suffix "50-220" behind 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 5,7 l), will hold 9,5 l gallon when filled to within 38 mm below reservoir cover plate.

[∞] Not to be used for lifting.

Model Shown:

PE213, PE214, PE214S

Pumps



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

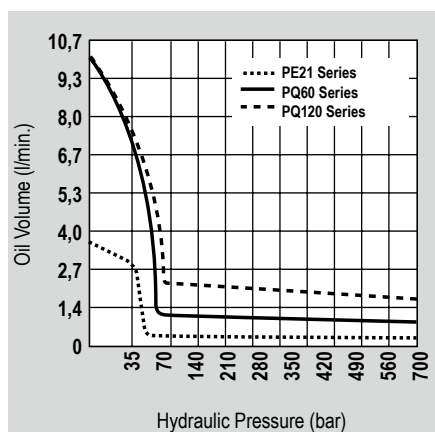


Features

IDEAL FOR USE WITH SMALL MEDIUM HYDRAULIC POWER TOOLS.

- Totally enclosed, fan cooled induction motor: 0,75 kW, 1725 rpm, 60 Hz, single-phase. Thermal overload protection.
- Remote control, with 3,1 m cord is standard on pumps with solenoid valves. Manual valve pumps have “Stop”, “Start” and “Run/Off/Pulse” switches.
- Pump controls are moisture and dust resistant.
- Motor drip cover with carrying handles and lifting lug.
- Low noise level of 70 dBA@700 bar.
- In the event of electrical interruption, pump shuts off and will not start up until operator presses the pump start button.
- Units with remote have a 24V control circuit that provides additional user/operator safety.
- CSA rated for intermittent duty.
- Non CE.

Performance Specifications





Learn More - About Hydraulic Safety Insight

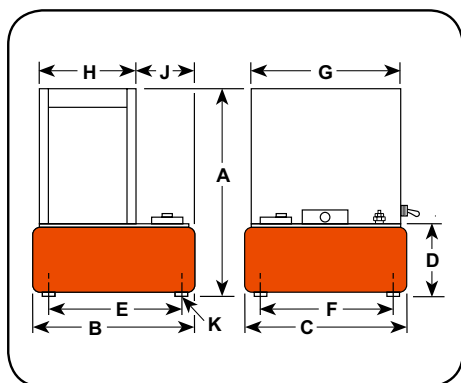


Looking for great safety suggestions? Visit our Resource Section to get a better understanding of hydraulic and mechanical safety insights on what to look for when working around hydraulics



Optional Cylinders

Power Team offers a wide variety of single-acting, double-acting, lock nut, pancake and center hole cylinders to meet your requirements.



Technical Dimensions

Order No.	A	B	C	D	E	F	G	H	J	K**	Max. Pressure Output	rpm	dBA at Idle and 700	Oil Del. (l/min. @)				Prod. Wt. † with Oil
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(in.)				7	70	350	700	
PE21 Series	543	292	241	165	254	203	359	82,6	3.25	1/2-20 UNF	700	1437	70*	3,6	0,4	0,4	0,3	44,4 †

** For 2" dia. swivel casters, order (4) No. 10494.

† Shipping weight with manual valve; add 14 kg for pump with solenoid valve.

Ordering Information

For Use With Cylinder Type	Description	Order No.	Valve Type	Valve No.	Valve Function	Max. Amp Draw @ 700 ††	Motor	Reservoir Usable Oil Cap. (L)
Single-Acting	0,75 kW pump with 9,5 liter reservoir and manual valve.	PE213-50-220	3-Way	9520*	Advance Hold Return	115V -15 amps 230V -7.5 amps	0,75 kW, 220 Volt 50 Hz, Single Phase	9,4
Single-Acting	PE213, except has solenoid operated remote valve.	PE213S-50-220	3-Way	9599†	Advance Hold Return	115V -15 amps 230V -7.5 amps	0,75 kW, 220 Volt 50 Hz, Single Phase	9,4
Double-Acting	0,75 kW pump with 9,5 liter reservoir and manual valve.	PE214-50-220	4-Way	9506*	Advance Hold Return	115V -15 amps 230V -7.5 amps	0,75 kW, 220 Volt 50 Hz, Single Phase	9,4
Double-Acting	PE214, except has solenoid operated remote valve.	PE214S-50-220	4-Way	9512†	Advance Hold Return	115V -15 amps 230V -7.5 amps	0,75 kW, 220 Volt 50 Hz, Single Phase	9,4

* 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 m cord.

†† Pre-wired at factory for this voltage. PE21 series available in 230V 60Hz or 220V 50Hz. Please specify when ordering. Example: for 60Hz order PE213-230; for 50Hz order PE213-50-220.

NOTE: Some Power Team pumps are available in special configurations not listed in this catalog. For your special requirements please consult your local distributor or the Power Team Customer Service.

Model Shown:
PE55-E220



Features

INDUSTRY LEADING HEAVY-DUTY PUMP FOR MULTIPLE APPLICATIONS

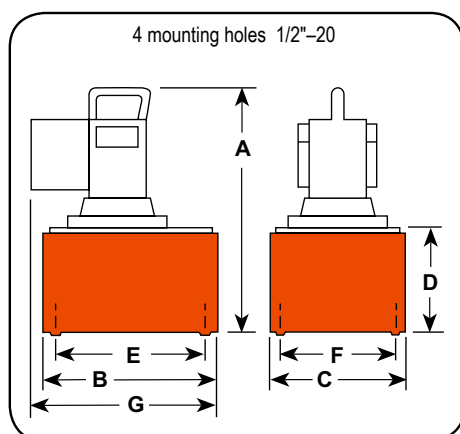
- 0,84 kW, 12000 rpm, 220V, 50/60 Hz universal motor. Draws 25 amps at full load, starts at reduced voltage.
- True unloading valve achieves greater pump efficiency, allowing higher flow at maximum pressure.
- Reservoirs available in sizes up to 38 l, refer to pump accessories page.
- Lightweight and portable. Best performance-to-weight ratio of all Power Team pumps.
- 3,1 m remote motor control.



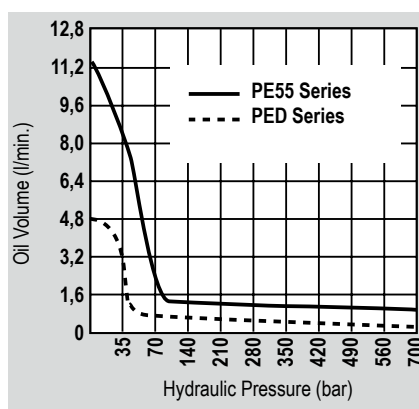
Torque Wrench Pumps



For Torque Wrench Pump Configurations, refer to the Tools Section.



Performance Specifications



Technical Dimensions

Order No.	A	B	C	D	E	F	G	Max. Pressure Output (bar)	rpm	dBA at Idle and 700 (bar)	Amp Draw 230V at 700 (A)	Oil Del. (l/min. @)				Prod. Wt. with Oil (kg)
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)					0 (bar)	50 (bar)	350 (bar)	700 (bar)	
PE55 Series	464	292	241	178	254	203	356	700	12000	90/89*	13	11,3	7,1	1,2	0,9	29,4
PE55-E220	520	292	241	178	254	203	391	700	12000	90/89*	13	11,3	7,1	1,2	0,9	29,4

Ordering Information

For Use With Cylinder Type	Description	Order No. ***	Valve Type	Valve No.	Valve Function	Control Switch ††	Motor	Reservoir Usable Oil Cap. (l)
Single-Acting	Base model 0,84 kW pump with 9,5 liter reservoir, remote motor control	PE552-50-220	3-Way	9582	Advance Return**	Remote Motor	0,84 kW*, 220 V 50 Hz, Single Phase	8,4
Single-Acting	PE552-50-220, except also has solenoid operated remote valve	PE552S-50-220	3-Way	9570	Advance Hold Return	Remote Motor & Valve	0,84 kW*, 220 V 50 Hz, Single Phase	8,4
Single-Acting	PE552-50-220, except has Auto Dump valve	PE552A-50-220	Auto/ Dump	9610	Advance Return	Remote Motor	0,84 kW*, 220 V 50 Hz, Single Phase	8,4
Single-Acting	0,84 kW pump with 9,5 liter reservoir. Valve has Posi-Check feature.	PE553-50-220	3-Way†	9520	Advance Hold Return	Remote Motor	0,84 kW*, 220 V 50 Hz, Single Phase	8,4
Single-Acting	Same as PE552-50-220, but meets also CE requirement	PE552-E220	3-Way	9584	Advance Return**	Remote Motor	0,84 kW*, 220 V 50 Hz, Single Phase	8,4
Single-Acting	Same as PE552S, but meets also CE requirement	PE552S-E220	3-Way	9570	Advance Return	Remote Motor & Valve	0,84 kW*, 220 V 50 Hz, Single Phase	8,4
Single-Acting	Same as PE552A-50-220, but meets also CE requirement	PE552A-E220 [∞]	Auto/ Dump	9610	Advance Hold Return	Remote Motor	0,84 kW*, 220 V 50 Hz, Single Phase	8,4
Single-Acting	Same as PE553-50-220, but meets also CE requirement	PE553-E220	3-Way	9520	Advance Hold Return	Remote Motor	0,84 kW*, 220 V 50 Hz, Single Phase	8,4
Double-Acting	Base model 0,84 kW pump with 9,5 liter reservoir, and 4-way valve for double-acting systems	PE554-50-220	4-Way†	9506	Advance Hold Return	Remote Motor	0,84 kW*, 220 V 50 Hz, Single Phase	8,4
Double-Acting	Same as PE554-50-220 but meets also CE requirement	PE554-E220	4-Way†	9506	Advance Hold Return	Remote Motor	0,84 kW*, 220 V 50 Hz, Single Phase	8,4
Double-Acting	PE554-50-220, except has 9500 tandem center valve.	PE554T-50-220	4-Way	9500	Advance Hold Return	Remote Motor	0,84 kW*, 220 V 50 Hz, Single Phase	8,4
Double-Acting	For use with single-acting Spring Seat, Stressing Jack or double-acting cylinder.	PE554P-50-220	4-Way	9500	Advance Hold Return	Remote Motor	0,84 kW*, 220 V 50 Hz, Single Phase	8,4
Double-Acting	For use with single- or double-acting Power Seat, Stressing Jacks ONLY	PE554PT-50-220	4-Way	9628	Advance Hold Sequenced Return	Remote Motor	0,84 kW*, 220 V 50 Hz, Single Phase	8,4
Double-Acting	Pump suitable to run multiple spring return tools	PE554C-50-220	4-Way	9511 †††	Advance Hold Return	Remote Motor	0,84 kW*, 220 V 50 Hz, Single Phase	8,4
Double-Acting	Pump equipped with 3/4-Way solenoid valve.	PE554S-50-220	3/4-Way	9552	Advance Hold Return	Remote Motor & Valve	0,84 kW*, 220 V 50 Hz, Single Phase	8,4
Double-Acting	Pump suitable to run multiple Spring return cylinder Meets CE requirement	PE554C-E220	4-Way	9511 †††	Advance Hold Return	Remote Motor	0,84 kW*, 220 V 50 Hz, Single Phase	8,4
Double-Acting	Pump equipped with 3/4-way solenoid valve Meets CE requirement	PE554S-E220	3/4-Way	9552	Advance Hold Return	Remote Motor & Valve	0,84 kW*, 220 V 50 Hz, Single Phase	8,4

* Pumps available with 115V, 50 Hz motors. Specify E110 when ordering.

** Holds with motor shut-off.

† Valves have Posi-Check® feature.

†† All remotes are 3,1 m long.

††† Valving allows alternate and independent operation of two different spring return tools. Valve holds pressure only while valve is in "A" or "B" port position with pump motor shut-off.

[∞] Not to be used for lifting.

Also available in E110 (meets CE requirement)

Model Shown:

PE604T, PE604PT



Pumps

▶ The PE60 used for pre-stressing application

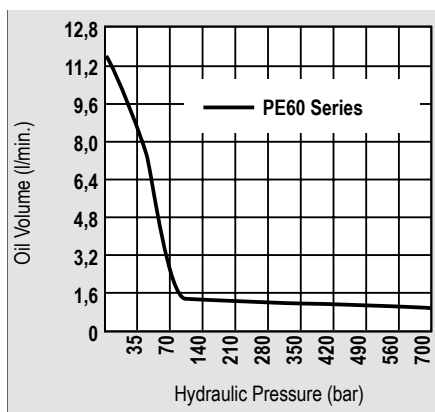


Features

COMPACT, LIGHTWEIGHT PUMP. EXCELLENT CHOICE FOR RUGGED APPLICATIONS AND LOW VOLTAGE STARTING.

- Pump offers long, trouble-free life in the most demanding work environments.
- For operating single or double-acting cylinders, or stressing jacks.
- Powered by 0,84 kW, 220V, 50/60 Hz single-phase motor. Starts under load, even at reduced voltages at construction sites.
- Optional fan-driven external oil cooler includes rollover guard.
- Insulated carrying handle.
- Integral 102 mm. fluid-filled pressure gauge with steel bezel complies with ASME B40.1 Grade A.
- Sealed 4,34 l (usable) reservoir. Reservoir drain port is standard.
- Oil level sight gauge for accurate oil level monitoring.
- External spin-on filter removes contaminants from circulating oil to maximize pump, valve and cylinder/ tool life.
- CSA rated for intermittent duty.
- Non CE.

Performance Specifications





Optional: Oil Cooler Kit

For Use With:	Kit Order No.	Voltage	Wt. (kg)
PE604T or PE604PT	252511	115V	2,3
	252512	220V	2,3



Hydraulic Fluids



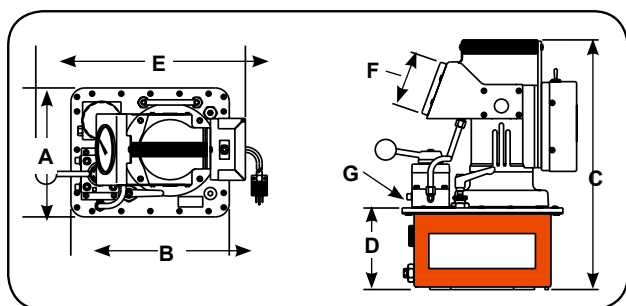
For dependable performance of all your hydraulic pumps and cylinders. Power Team specialty blended oils contains foam suppressant additives and has a high viscosity index. Refer to the Accessories section for complete details



Learn More - About Hydraulic Safety Insight



Looking for great safety suggestions? Visit our Resource Section to get a better understanding of hydraulic and mechanical safety insights on what to look for when working around hydraulics



Technical Dimensions

Order No.	A	B	C	D	E	F	G	Max. Pressure Output (bar)	rpm	dBA at Idle and 700 (bar)	Amp Draw 220V at 700 (bar)	Oil Del. (l/min. @)				Prod. Wt. with Oil (kg)
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)					0 (bar)	50 (bar)	350 (bar)	700 (bar)	
PE604T	263,5	301,6	457,2	152,4	381	101,6	3/8 NPTF	700	10.000	80/85*	13	11,3	7,1	1,2	0,9	27,2
PE604PT	263,5	301,6	457,2	152,4	381	101,6	3/8 NPTF	700	12.000	80/85*	13	11,3	7,1	1,2	0,9	27,2

NOTE: Unloading pressure is 70 bar.

Ordering Information

For Use With Cylinder Type	Description	Order No.	Valve Type	Valve No.	Valve Function	Control Switch	Motor	Reservoir Usable Oil Cap. (l)
Single-Acting, Spring Seat, Stressing Jack or Double-Acting	0,84 kW pump with 3,73 liter reservoir & valve for double-acting systems.	PE604T	4-Way/ 3 Position	9500	Advance Hold Return	On/Off Pulse	0,84 kW, 220 V 50 Hz, Single Phase	4,34
Single-Acting or Double-Acting Power Seat, Stressing Jacks Only	PE604T, except has special valve for post tensioning application only.	PE604PT	4-Way/ 3 Position	9628 Model C	Advance Hold Sequenced Return	On/Off Pulse	0,84 kW, 220 V 50 Hz, Single Phase	4,34

NOTE: Contact Factory for PE60 pump models with other control and valve options.

NOTE: For 220/230V, 50/60 Hz, single-phase models, add -220 suffix.

Model Shown:
PQ1204S-E380



Features

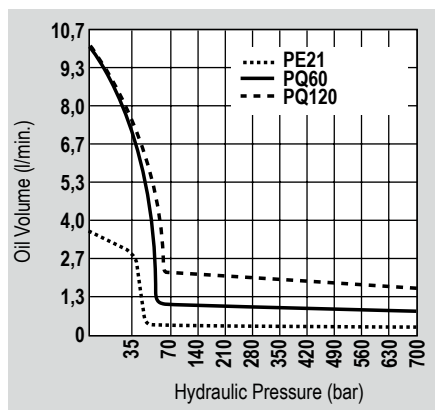
**PUMP DESIGNED SPECIFICALLY FOR HEAVY- DUTY,
EXTENDED CYCLE OPERATION.**

- Start and operate under full load, even with voltage reduced by 10%.
- Electrical shut-down feature prevents unintentional restarting of motor following an electrical service interruption.
- Internal relief valve limits pressure to 700 bar.
- External relief valve is adjustable from 70 to 700 bar.
- Pump pre-wired at factory with a 2,24 kW, 400V, 50 Hz, three-phase motor. Other electrical configurations are available. See ordering information on the following page.
- 24 volt control circuit on units with remote control for added user/operator safety.
- Thermal overload protection, motor starter and heater element supplied as **standard equipment**.

► **PQ series pump used to drive piers to lift and stabilize building foundation.**



Performance Specifications





Optional: Swivel Casters (4)



Order No.	Description	Wt. (kg)
10494	2" dia. swivel casters	0,1

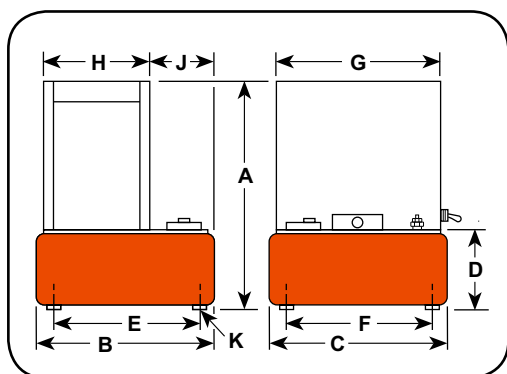


Analog Gauges



Improve your system visibility and safety by adding an inline hydraulic gauge to your circuit.

9040E (63 mm)
9052E (100 mm)



Technical Dimensions

Order No.	A	B	C	D	E	F	G	H	J	K	Max. Pressure Output	rpm	dBA at Idle and 700	Oil Del. (l/min. @)				Prod. Wt. ** with Oil
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)				0	70	350	700	
PQ120 Series	638	362	394	184	308	338	373	237	122	1/2-20 UNF	700	1437	73/78	9,7	2,1	1,7	1,6	74,3

**Total weight with oil and 3-way solenoid valve. Subtract 4,5 kg to obtain weight of pump with manual valve.

Ordering Information

For Use With Cylinder Type	Description	Order No.	Valve Type	Valve No.	Valve Function	Max. Amp Draw @ 700	Motor	Reservoir Usable Oil Cap. (l)
Single-Acting	2,24 kW pump with 21,6 liter reservoir and manual valve.	PQ1203-E380	3-Way	9520*	Advance Hold Return	230V -10.5 amps 400V - 6 amps	2,24 kW, 400 Volt 50 Hz, 3 Phase	20
Single-Acting	PQ1203, except has solenoid operated remote valve.	PQ1203S-E380	3-Way	9599†	Advance Hold Return	230V -10.5 amps 400V - 6 amps	2,24 kW, 400 Volt 50 Hz, 3 Phase	20
Double-Acting	2,24 kW pump with 21,6 liter reservoir and manual valve.	PQ1204-E380	4-Way	9506*	Advance Hold Return	230V -10.5 amps 400V - 6 amps	2,24 kW, 400 Volt 50 Hz, 3 Phase	20
Double-Acting	PQ1204, except has solenoid operated remote valve.	PQ1204S-E380	4-Way	9512†	Advance Hold Return	230V -10.5 amps 400V - 6 amps	2,24 kW, 400 Volt 50 Hz, 3 Phase	20

* 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 m cord.

Model Shown:

PQ603, PQ604, PQ604S

Pumps



Features

PUMP DESIGNED SPECIFICALLY FOR HEAVY- DUTY, EXTENDED CYCLE OPERATION.

- For operating single or double-acting cylinders.
- Metal shroud keeps dirt and moisture out of motor and electrical components.
- Electrical shut-down feature prevents unintentional restarting of motor following an electrical service interruption.
- Internal relief valve limits pressure to 700 bar.
- External relief valve is adjustable from 70 to 700 bar.
- Pumps operate below maximum OSHA noise limitation (74-76 dBA).
- Start and operate under full load, even with voltage reduced by 10%.
- CSA rated for intermittent duty.
- Non CE.



Hydraulic Fluids

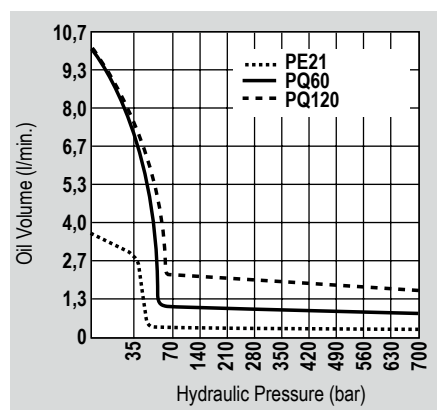


For dependable performance of all your hydraulic pumps and cylinders. Power Team specialty blended oils contains foam suppressant additives and has a high viscosity index. Refer to the Accessories section for complete details

Hydraulic Machine Press Operation



Performance Specifications

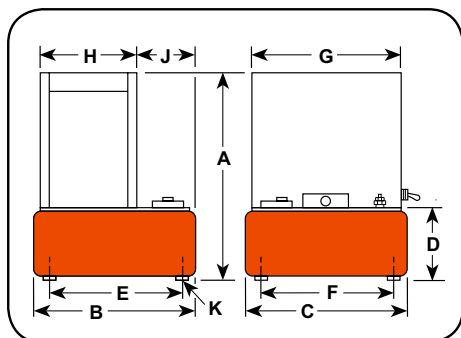


**Universal Pump Cart**

Mobilize your hydraulic pumps with the cart # PC200 - refer to the accessories section for details. Cart can be used with the following pumps; PA60, PA64, PA55/PE55, PE18, PE21, PQ60, PQ120, PG55 series and pumps with optional 5- and 10-gallon reservoirs; Nos. RP50, RP51, RP101 and RP103. (Pump not included)

**Optional: Swivel Casters**

Order No.	Description	Wt. (kg)
10494	2" dia. swivel casters (4 Required)	0,1

**Technical Dimensions**

Order No.	A	B	C	D	E	F	G	H	J	K	Max. Pressure Output (bar)	rpm	dBA at Idle and 700 (bar)	Oil Del. (l/min. @)				Prod. Wt. with Oil (kg)
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)				7	70	350	700	
PQ60 Series	638	362	394	184	308	338	373	237	122,2	1/2-20 UNF	700	1,437	74/76*	9,7	0,9	0,9	0,8	76,6**

* Measured at 3 ft. distance, all sides.

** Total weight with oil and 3-way solenoid valve. Subtract 4,5 kg to obtain weight of pump with manual valve.

Ordering Information

For Use With Cylinder Type	Description	Order No.	Valve Type	Valve No.	Valve Function	Max. Amp Draw @ 700 (bar)	Motor ††	Reservoir Usable Oil Cap. (l)
Single-Acting	1,49 kW pump with 21,6 liter reservoir and manual valve	PQ603	3-Way	9520*	Advance Hold Return	115V -22 amps 230V -11 amps	1,49 kW, 220 Volt 50 Hz, Single Phase	20
Single-Acting	PQ603, except has solenoid operated remote valve	PQ603S	3-Way	9599†	Advance Hold Return	115V -22 amps 230V -11 amps	1,49 kW, 220 Volt 50 Hz, Single Phase	20
Double-Acting	1,49 kW pump with 21,6 liter reservoir and manual valve	PQ604	4-Way	9506*	Advance Hold Return	115V -22 amps 230V -11 amps	1,49 kW, 220 Volt 50 Hz, Single Phase	20
Double-Acting	PQ604, except has solenoid operated remote valve.	PQ604S	4-Way	9512†	Advance Hold Return	115V -22 amps 230V -11 amps	1,49 kW, 220 Volt 50 Hz, Single Phase	20

* 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 m cord.

†† PQ60 series also available in 115V, 60 Hz or 220V, 50 Hz. Please specify when ordering. Example: for 60 Hz order PQ603-115; for 50 Hz order PQ603-50-220.

NOTE: Some Power Team pumps are available in special configurations not listed in this catalog. For your special requirements please consult your local distributor or the Power Team factory.