

Model Shown:

PE182, PE183-2, PE183C

Pumps



Features

IDEAL FOR USE WITH SMALL HYDRAULIC POWER TOOLS.

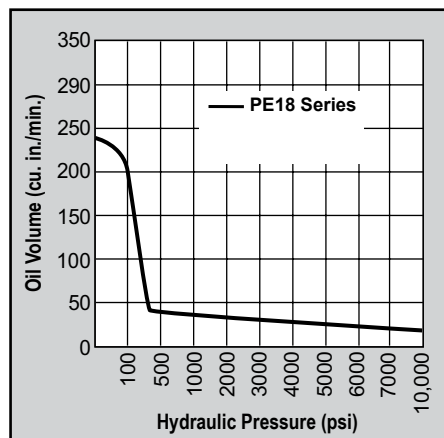
- Vanguard Jr.® pumps provide two-speed high-performance in a light-weight, compact package.
- Gauge port provided on pump. Metal reservoir on all models.
- Equipped with a 1/2 hp, 115VAC, 60/50 Hz single-phase motor that starts under load, even at reduced voltage.
- Low amperage draw permits use with smaller generators and low amperage circuits.
- All pumps have a 10 foot remote control (PE183C has 25 foot remote control).
- Noise level of 85-90 dBA.
- CSA rated for intermittent duty.

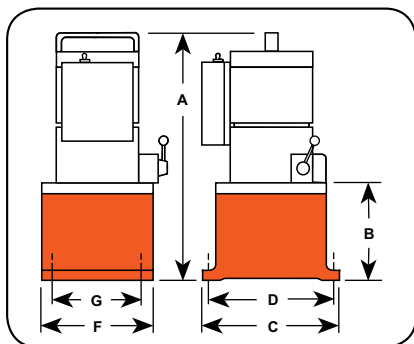


For operating hydraulic crimping, cutting or other tools:

- **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.

Performance Specifications





Technical Dimensions

| Order No. | A | B | C | D | F | G | Max. Pressure Output | rpm | dBA at Idle and 10,000 | Amp Draw 115VAC at 10,000 | Oil Del. (cu. in./min. @) † | | | | Prod. Wt. with Oil (lbs.) |
|-----------|-------|-------|-------|-------|-------|-------|----------------------|--------|------------------------|---------------------------|-----------------------------|-------|-------|--------|---------------------------|
| | | | | | | | | | | | 0 | 100 | 5,000 | 10,000 | |
| | (in.) | (in.) | (in.) | (in.) | (in.) | (in.) | (psi) | | (psi) | (psi) | (psi) | (psi) | (psi) | (psi) | |
| PE182 | 16.00 | 4.75 | 8.00 | 7.13 | 6.00 | 5.13 | 10,000 | 12,000 | 85/90** | 10.2 Amps | 230 | 190 | 25 | 18 | 30.00 |
| PE183 | 16.00 | 4.75 | 8.00 | 7.13 | 6.00 | 5.13 | 10,000 | 12,000 | 85/90** | 10.2 Amps | 230 | 190 | 25 | 18 | 30.00 |
| PE183A | 16.00 | 4.75 | 8.00 | 7.13 | 6.00 | 5.13 | 10,000 | 12,000 | 85/90** | 10.2 Amps | 230 | 190 | 25 | 18 | 30.00 |
| PE184 | 16.00 | 4.75 | 8.00 | 7.13 | 6.00 | 5.13 | 10,000 | 12,000 | 85/90** | 10.2 Amps | 230 | 190 | 25 | 18 | 30.00 |
| PE183-2* | 18.50 | 7.25 | 11.50 | 10.00 | 9.50 | 8.00 | 10,000 | 12,000 | 85/90** | 10.2 Amps | 230 | 190 | 25 | 18 | 42.00 |
| PE184-2* | 18.50 | 7.25 | 11.50 | 10.00 | 9.50 | 8.00 | 10,000 | 12,000 | 85/90** | 10.2 Amps | 230 | 190 | 25 | 18 | 42.00 |
| PE183C †† | 16.00 | 4.75 | 8.00 | 7.13 | 6.00 | 5.13 | 10,000 | 12,000 | 85/90** | 10.2 Amps | 230 | 190 | 25 | 18 | 30.00 |
| PE184C †† | 16.00 | 4.75 | 8.00 | 7.13 | 6.00 | 5.13 | 10,000 | 12,000 | 85/90** | 10.2 Amps | 230 | 190 | 25 | 18 | 30.00 |

* 2.5 gal. 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.

Ordering Information

| For Use With Cylinder Type | Description | Order No. | Valve Type | Valve Function | Control Switch | Motor | Reservoir Usable Oil Cap. (cu. in.) |
|------------------------------|--|-----------|----------------------------|----------------------|--------------------------------------|---|-------------------------------------|
| Single-Acting | 1/2 hp pump with 2-Way valve and 0.5 gallon reservoir. | PE182 | 2-Way | Advance Return† | Remote Motor Control (10 ft.) on/off | 1/2 hp, 110/115VAC** 50/60 Hz, A.C., Single-Phase | 104 |
| Single-Acting | 1/2 hp pump with 3-Way valve and 0.5 gallon reservoir. | PE183 | 3-Way | Advance Hold Return | Remote Motor Control (10 ft.) on/off | 1/2 hp, 110/115VAC** 50/60 Hz, A.C., Single-Phase | 104 |
| Single-Acting | 1/2 hp pump with 3-Way valve and 2 gallon reservoir. | PE183-2 | 3-Way | Advance Hold Return | Remote Control (10 ft.) | 1/2 hp, 110/115VAC** 50/60 Hz, A.C., Single-Phase | 525†† |
| Single-Acting | 1/2 hp pump with dump valve and 0.5 gallon reservoir. | PE183A∞ | Auto./Dump Pump | Advance Return | Remote (10 ft.) | 1/2 hp, 110/115VAC** 50/60 Hz, A.C., Single-Phase | 104 |
| Single-Acting | Special crimping pump. | PE183C∞ | Special, for crimping only | Advance Hold Return† | Remote Motor Control (25 ft.) on/off | 1/2 hp, 110/115VAC** 50/60 Hz, A.C., Single-Phase | 104 |
| Single-Acting, Double-Acting | 1/2 hp pump for double-acting systems with 0.5 gallon reservoir. | PE184 | 4-Way | Advance Hold Return | Remote Motor Control (10 ft.) on/off | 1/2 hp, 110/115VAC** 50/60 Hz, A.C., Single-Phase | 104 |
| Single-Acting, Double-Acting | 1/2 hp pump for double-acting systems with 2 gallon reservoir. | PE184-2 | 4-Way | Advance Hold Return† | Remote Motor Control (10 ft.) on/off | 1/2 hp, 110/115VAC** 50/60 Hz, A.C., Single-Phase | 525†† |
| Single-Acting, Double-Acting | Special crimping pump. | PE184C* | 4-Way | Advance Return | Remote Control (10 ft.) on/off | 1/2 hp, 110/115VAC** 50/60 Hz, A.C., Single-Phase | 104 |

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

** Available with 220VAC, 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 2 gallon oil (usable oil is 355 cu. in.), will hold 2.50 gallon when filled to within 1.50" below reservoir cover plate.

∞ Not to be used for lifting.