

**>Power Team<sup>®</sup>**

# **PB43 SERIES PUMP**

**High Pressure Hydraulic 10,000PSI 60V Battery Pump**



**SPXFLOW<sup>®</sup>**

# ENGINEERED TO DELIVER RELIABILITY

## Designed and Configured to Meet A Variety of Tough Applications.

The Power Team PB43 Series Hydraulic Battery Powered Pump offers high flow, a long life 8ah 60v battery, and a wide range of valve configurations. The PB43 Series pumps meet a wide array of high-pressure applications where portability, speed and performance is required.

Designed for substitution of electric, gas or air powered pumps with high flow capability. The Power Team PB43 Series Hydraulic Pump delivers the performance needed to improve productivity while keeping safety in mind.

### Value Delivered.

- Industry leading, field proven, Power Team Vanguard Pump technology
- Two-stage, high-pressure (10k PSI) hydraulic pump offers quick tool advancement in the first stage with industry leading second stage mid pressure flow: 82 in3/m 2,000 PSI, 62 in3/m 7,000 PSI, 43 in3/m 10,000 PSI
- Quiet, 75 dBA at max pressure great option for indoor applications or where noise is a concern.
- 2.1HP motor provides ample power to support high-pressure performance
- Wide array of valve options allowing a hydraulic circuit that fits your exact needs
- Lightweight and portable, 72.5 lbs. with battery and oil
- Motor guard and integrated lifting handle offer increased protection and transportation to job sites hassle-free
- Ergonomic IP55 rated remote pendant with 12 ft / 3.6m cord and large button design, requiring low finger depression force to operate, decreasing operator fatigue
- 60V DC Battery, Battery charger, protective cage and valve choice included with purchase
- Reservoir size options available, refer to pump configuration page

## 60VDC 8Ah battery and charger Included



## Unleash the force of a 60-volt battery, driving hydraulic power to new heights!

- 60-volt battery powered motor offers increased power to deliver industry leading pump flow performance
- Li-ion 60VDC, 8.0 Ah battery with 4 level battery life indicator
- 1.5 Hour battery charge time from drained to full
- 30 Minutes continuous run time with a RD106 cylinder: Extending to 10k PSI holding and retracting to 10k PSI and holding (130 cycles)
- Additional 60VDC - 8Ah Li-ion Global batteries available for purchase
- Charger available in 115VAC 60HZ
- Global battery compatible with both chargers styles

# PUMP TECHNOLOGY AT A GLANCE



Many valve configurations available

Robust protective cage with carrying handle for ease of transport

Powerful 60V motor with long runtime 8Ah battery

Easy access battery compartment with protective flip up lid.

130 cycles on a RD106 cylinder to 10k PSI holding and retracting to 10k PSI and holding, providing 30 minutes of continuous run time on a single charge (1.5-hour charge time)

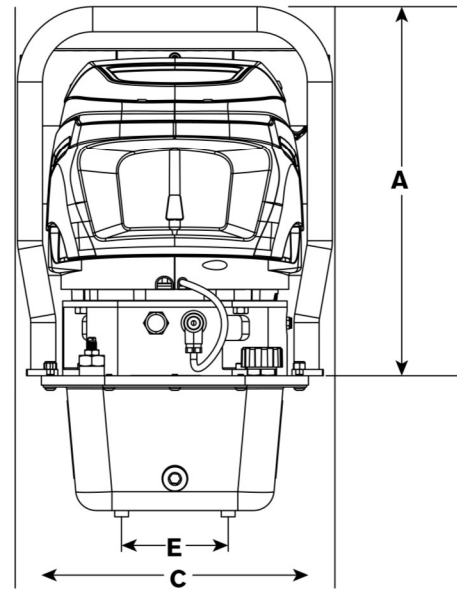
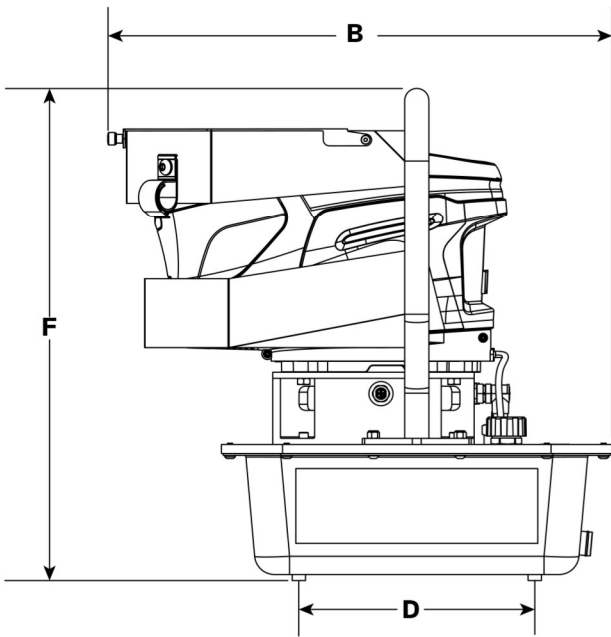
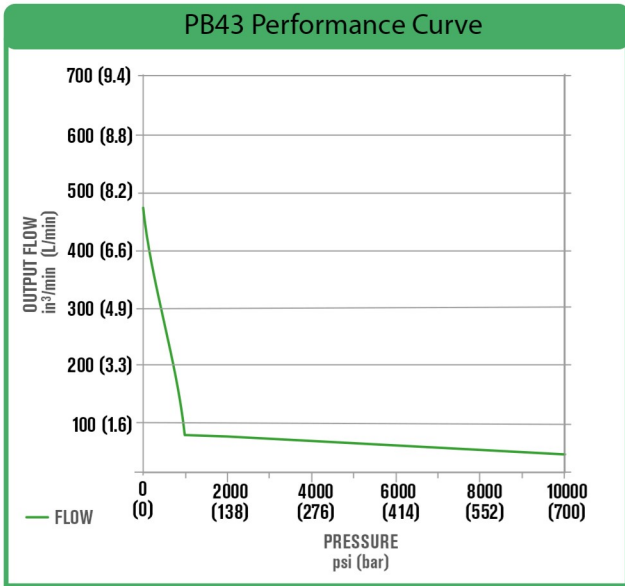
Deep draw reservoir with O-ring Lip for leak-free operation

Inserts for fixturing or mounting optional full roll cage

Equipped with the industry leading Vanguard™ pump technology

2-button (on/off and jog) pendant with on-board storage

# TECHNICAL DIMENSIONS



## Technical Dimensions

A	B	C	D	E	F	Max Press. Output Bar (psi)	RPM	dBA at Idle and Max Press	Oil Delivery - l/min (cu.in./min) @				Wt* kg (lbs)
									7 Bar (100psi)	35 Bar (500psi)	350 Bar (5000 psi)	700 Bar (10000 psi)	
millimeters (inches)													
374.65 (14.75)	529.59 (20.85)	318.77 (12.55)	247.65 (9.75)	107.95 (4.25)	517.39 (20.37)	700 (10,000)	3100	73 / 75	7.8 (480)	1.3 (78)	1.2 (70)	0.7 (43)	32.9 (72.5)

Recommended operating temperature range of pump is -25°C to +50°C (-13°F to 122°F)

\* Weight typical for basic unit PB43MA1P-1, including oil and battery (Charger not included in weight)

# CONFIGURATIONS

## Model Numbers / Ordering Information

Part Number	Reservoir size Liters (US Gal)	Usable Oil Cap. Litres (US Gal)	Valve	Cylinder Applications	Operation	Valve type	Adv/Ret	Adv/ Hold/ Ret	PosiCheck
PB43MA1P-1	5.7 (1.5)	4.8 (1.28)	9500	SA / DA	Manual	4-Way, 3-Pos. Tandem Center	No	Yes	No
PB43MD1P-1	5.7 (1.5)	4.8 (1.28)	9506	DA	Manual	4-Way, 3-Pos. Tandem Center	No	Yes	Yes
PB43MH1P-1	5.7 (1.5)	4.8 (1.28)	9520	SA	Manual	3-Way, 3-Pos. Tandem Center	No	Yes	Yes
PB43MI1P-1	5.7 (1.5)	4.8 (1.28)	9582-A	SA	Manual	3-Way, 2-Pos.	No	Yes	No
PB43ML1P-1	5.7 (1.5)	4.8 (1.28)	9628	SA / DA	Manual	Post-Tensioning	Special	No	No
PB43MA2P-1	9.5 (2.5)	8.7 (2.30)	9500	SA / DA	Manual	4-Way, 3-Pos. Tandem Center	No	Yes	No
PB43MD2P-1	9.5 (2.5)	8.7 (2.30)	9506	DA	Manual	4-Way, 3-Pos. Tandem Center	No	Yes	Yes
PB43MH2P-1	9.5 (2.5)	8.7 (2.30)	9520	SA	Manual	3-Way, 3-Pos. Tandem Center	No	Yes	Yes
PB43MI2P-1	9.5 (2.5)	8.7 (2.30)	9582-A	SA	Manual	3-Way, 2-Pos.	No	Yes	No
PB43ML2P-1	9.5 (2.5)	8.7 (2.30)	9628	SA / DA	Manual	Post-Tensioning	Special	No	No

\* When ordering 115VAC 60HZ Charger use (-1) **Example: (PB43MA1P-1)**

## “PLUG & PLAY” ACCESSORIES

Order No.	Description
3001185	Full Roll Cage for use with PB43 pumps Wt. 4.5kg (10lbs)
2010995	115VAC 60HZ Charger
2010994	60VDC-8Ah Li-ION Global Battery



PB43MA1P-1, LM4D, and (4) RDG556 cylinders (Typical - 4-point, double acting with point flow control system)