

eSync

Portable hydraulic multi-point motion control system
Synchronous lifting/lowering, or pushing/pulling for heavy objects.



PORTABLE AND EXPANDABLE MOTION CONTROL SYSTEM

eSync Hydraulic Synchronous Lifting/Lowering Solution

The Power Team eSync portable synchronous system is a combination of digital actuation and digital control. The Microprocessor-controlled eSync is a high accuracy solution to lift or lower an object within a tight tolerance. Synchronous lifting helps to eliminate unwanted stress on the object while the eSync standard features offer the ultimate in user and object safety.

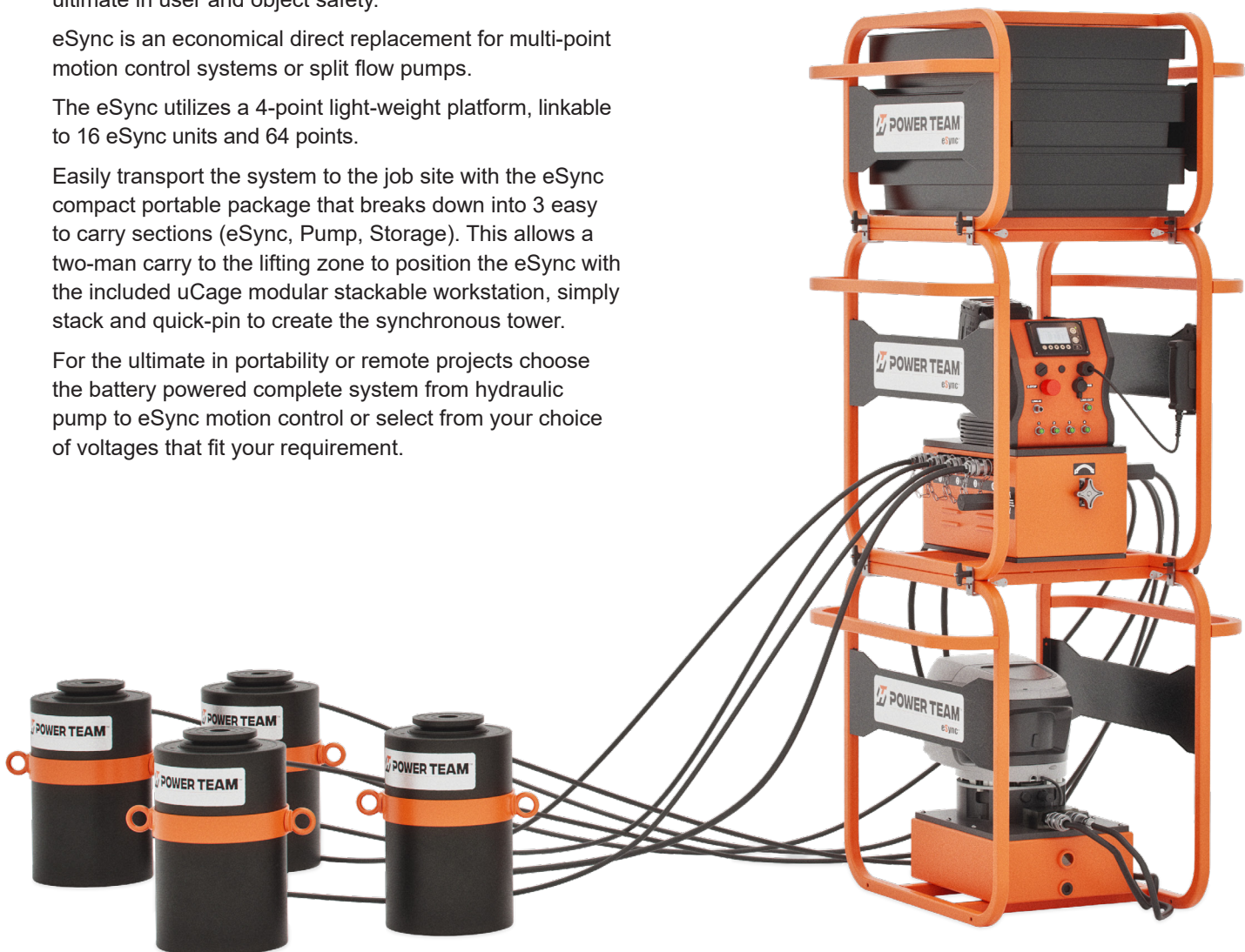
eSync is an economical direct replacement for multi-point motion control systems or split flow pumps.

The eSync utilizes a 4-point light-weight platform, linkable to 16 eSync units and 64 points.

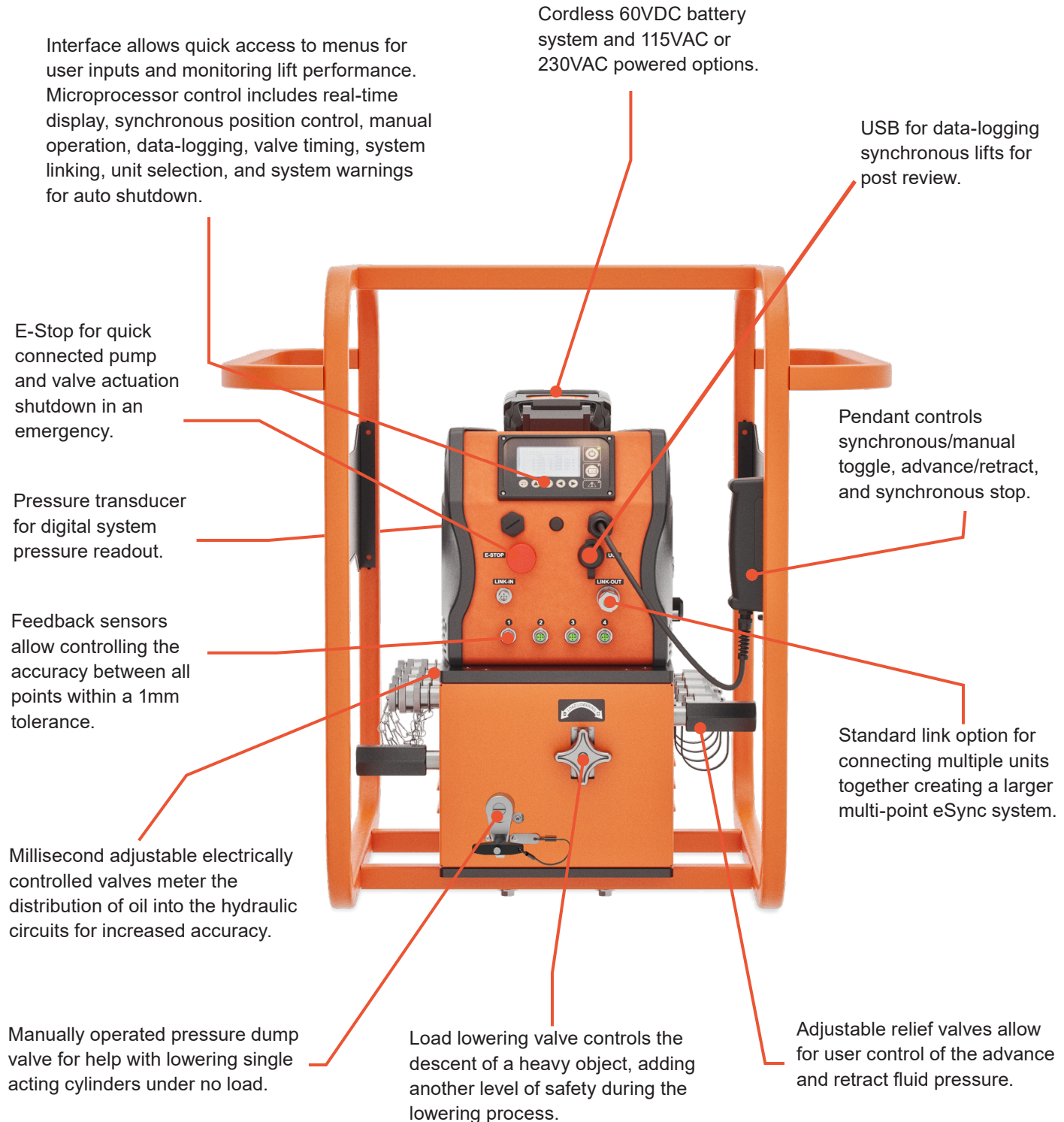
Easily transport the system to the job site with the eSync compact portable package that breaks down into 3 easy to carry sections (eSync, Pump, Storage). This allows a two-man carry to the lifting zone to position the eSync with the included uCage modular stackable workstation, simply stack and quick-pin to create the synchronous tower.

For the ultimate in portability or remote projects choose the battery powered complete system from hydraulic pump to eSync motion control or select from your choice of voltages that fit your requirement.

whether it is a bridge, a building, or any kind of heavy load, with the Power Team eSync, lifting, lowering, pushing, pulling, or positioning loads can be carried out automatically with a high degree of accuracy.



eSync KEY FEATURES



PB43 (Cordless) AND PE55 (Corded) HYDRAULIC PUMPS

PB43 cordless 60VDC battery system featuring a Li-ion 60VDC, 8.0 Ah battery with 4 level battery life indicator, 1.5 Hour battery charge time from drained to full. Battery chargers available in 115VAC 60HZ and 220VAC 50HZ options. PE55 corded pumps available in 115VAC or 230VAC powered options.

Ergonomic 2-person carrying handle on cage for maximum comfort.

Weatherproof ratings:
Pump rated: IPX4

Plug and play
manifold – easy
hose connection.

Industry leading, field
proven, Power Team
Vanguard Pump
technology.

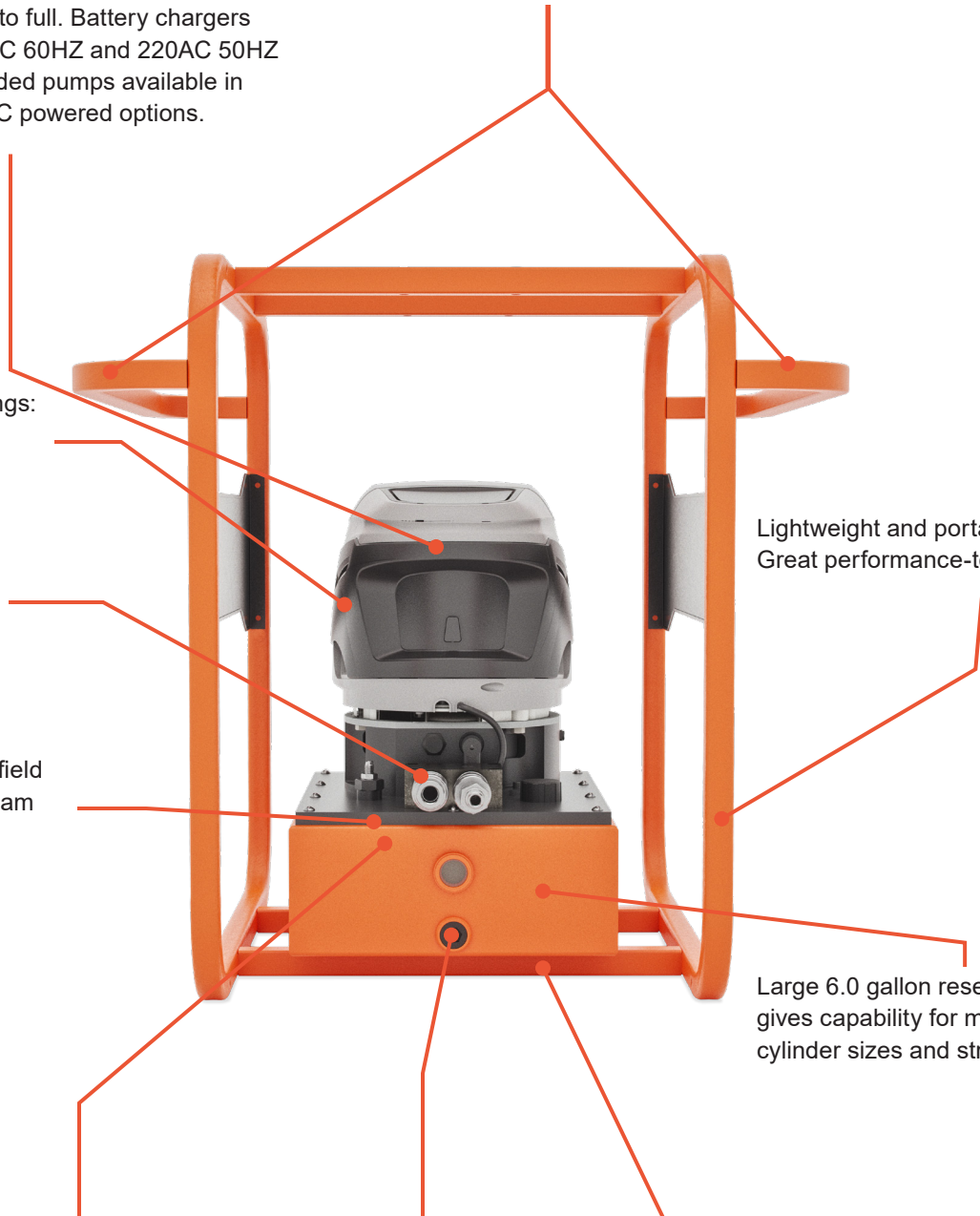
Lightweight and portable.
Great performance-to-weight ratio.

Large 6.0 gallon reservoir
gives capability for most
cylinder sizes and strokes.

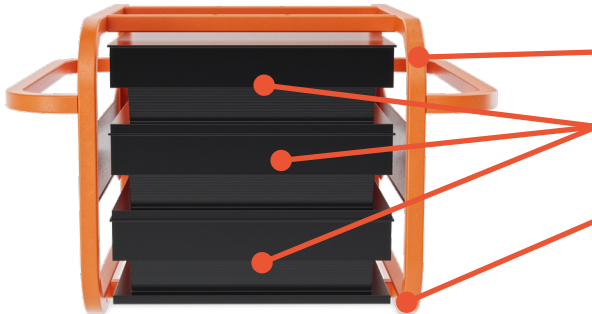
Two-stage, high-pressure (10k PSI)
hydraulic pump offers unloading valve
that achieves greater pump efficiency with
quick tool advancement in the first stage,
while shifting to high pressure second
stage when demanded.

Easy access
hydraulic fluid
drain port.

Protective and stackable
uCage comes standard
with PE55 or PB43
hydraulic pumps.



uCage & ADDITIONAL FEATURES



Protective and stackable uCage comes standard for the eSync, storage totes, and hydraulic pump.

Three on-board stackable totes allow protection and storage of position sensors and cables.

Lock-in-place design with secure strap for hassle-free transportation.

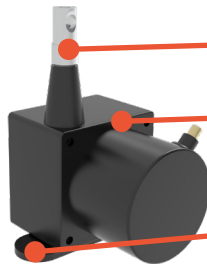


Handheld pendant controls the auto and manual functions allowing a remote position for better visual operation with included storage holster.

Pendant controls auto synchronous/manual toggle, advance/retract, and stop operation for safety situations that require a quick override.

Ergonomic IP55 rated remote pendant with 12 ft / 3.6m cord and large button design.

Pendant buttons require low finger depression force to operate for decreased operator fatigue.



39.4" (1000mm) linear position sensors give feedback to the Microprocessor for load location.

Position sensors allow synchronous movement accuracy to .040" (1mm).

Linear position sensors include magnet kit to mount to load or cylinder.



Li-ion 60VDC, 8.0 Ah battery with 4 level battery life indicator.

1.5 Hour battery charge time from drained to full.

Charger available in 115VAC 60HZ or 230VAC 50HZ.

Global battery compatible with both charger styles.

eSync TECHNICAL INFORMATION

Features

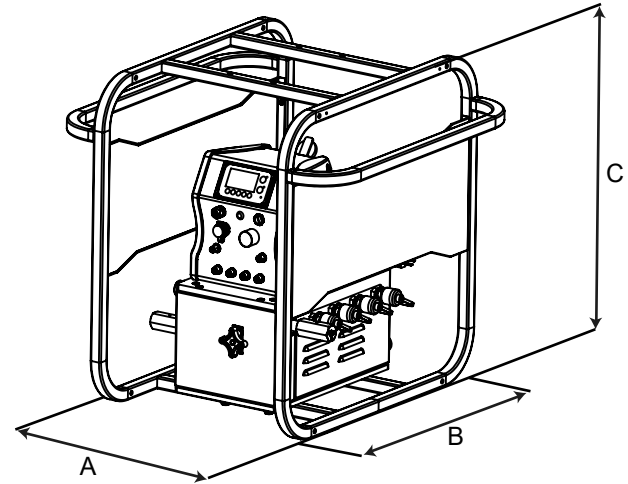
eSync includes 4 standard double acting hydraulic points, linkable to 16 eSync units and 64 points.

Systems can be completely cordless for reliable remote operation or corded when power is available.

eSync units are available without a pump or included with Power Team PB43 (cordless) or PE55 (corded) hydraulic 10K PSI pumps.

Systems that include a pump come with everything you need to get started. Just add cylinders and hydraulic hoses for a complete system ready to lift.

eSync battery supplies hours of continuous run time based on demand with 1 fully charged 8ah battery.



| Order No. | With uCage in/(mm) | | | | Pump Included | Voltage | Battery/Charger Included | Sensors/Transducers Included | *Weight lb (kg) |
|------------|--------------------|-----------------|-----------------|--|-----------------------------|-------------------|----------------------------------|--|-----------------|
| | A | B | C | Total Height | | | | | |
| ES14PRTXA | 19.0 (482.6) | 27.0 (685.8) | 27.0 (685.8) | 44.0 (1117.6) includes totes uCage | N/A | 115VAC 60HZ | N/A | (1) System pressure transducer & (4) linear position sensors | 130 (59) |
| ES24PRTXA | | | | | | 230VAC 50/60HZ | | | |
| ES64PRTYXA | | | | | | 60VDC 8Ah | 115VAC 50/60HZ Charger | | 132 (59.8) |
| ES64PRTZXA | | | | | | | 230VAC 50/60H Charger EU plug | | |
| ES64PRTWXA | | | | | | | 230VAC 50/60H Charger UK plug | | |
| ES64PRTXXA | | | | | | | 230VAC 50/60H Charger AU plug | | |
| ES14PRTXD | | | | 71.0 (1803.4) includes totes and pump uCage | PE551MX2 hydraulic pump | 115VAC 60HZ | N/A | | 261 (118.4) |
| ES24PRTXD | | | | | PE552MX2 hydraulic pump | 230VAC 50/60HZ | | | |
| ES64PRTYXB | | | | | PB43MX2-1 hydraulic pump | 60VDC 8Ah | 115VAC 50/60HZ Charger | | 269 (122.0) |
| ES64PRTZXB | | | | | PB43MX2-2 hydraulic pump | | 230VAC 50/60H Charger EU plug | | |
| ES64PRTWXB | | | | | PB43MX2-3 hydraulic pump | | 230VAC 50/60H Charger UK plug | | |
| ES64PRTXXB | | | | | PB43MX2-4 hydraulic pump | | 230VAC 50/60H Charger AU plug | | |

*ESYNC WEIGHT: WITH UCAGE

Safety features

Full stop due to power failure, sensor failure, tolerance error, linked connection, time out and many more control and pendant warnings.

Protective and stackable uCage elevates the control height for improved operation and the overhead totes offer sun protection that improve display visibility.

Lightweight modular design allows for two-person carry for easy transport, setup, and teardown.

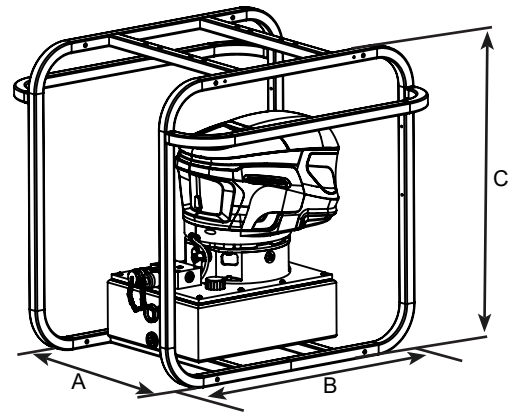


PUMP TECHNICAL INFORMATION

Battery version features

30 Minutes continuous run time with PB43 hydraulic pump based on demand.

The 60-volt battery powered motor in the PB43 offers increased power that delivers industry leading pump flow performance.



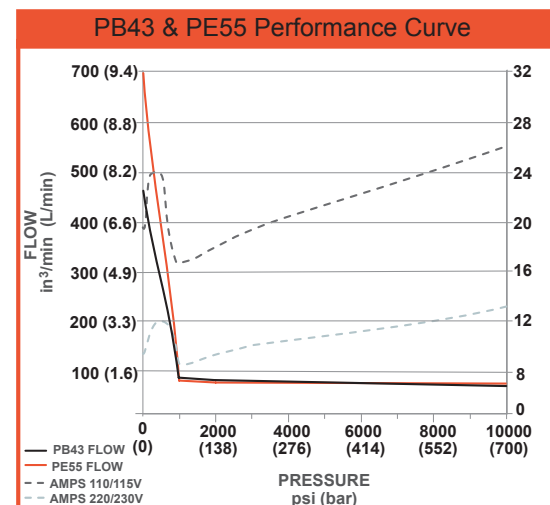
ABOVE: PB43 w/ uCage

| Order No. | With uCage in/(mm) | | | Voltage | Pendant | 9500 Valve | Battery/ Charger Included | RPM | dBA Idle/ Max Press. | Oil Delivery - l/min (cu.in/min) @ | | | *Wt lbs (kg) |
|-------------|--------------------|--------------|--------------|----------------|---------|--------------------------------|---------------------------|-------|----------------------|------------------------------------|------------------|-------------------|--------------|
| | A | B | C | | | | | | | 7 Bar (100 psi) | 350 Bar (5k psi) | 700 Bar (10k psi) | |
| PE551MX2 | 19.0 (482.6) | 27.0 (685.8) | 27.0 (685.8) | 115VAC 60HZ | No | N/A | 12k | 83/91 | 11.5 (700) | 1.2 (70) | 1.0 (60) | 131 (59.4) | |
| PE551MA2PE | | | | Yes | | | | | | | | | |
| PE552MX2 | | | | 230VAC 50/60HZ | No | | | | | | | | |
| PE552MA2PE | | | | Yes | | | | | | | | | |
| PB43MX2-1 | | | | 60VDC 8Ah | No | 115VAC 50/60HZ Charger | 3.1k | 73/75 | 7.8 (480) | 1.2 (70) | 0.7 (43) | 137 (62.1) | |
| PB43MA2PE-1 | | | | | Yes | | | | | | | | |
| PB43MX2-2 | | | | | No | 230VAC 50/60HZ Charger EU Plug | | | | | | | |
| PB43MA2PE-2 | | | | | Yes | 230VAC 50/60HZ Charger UK Plug | | | | | | | |
| PB43MX2-3 | | | | | No | 230VAC 50/60HZ Charger AU Plug | | | | | | | |
| PB43MA2PE-3 | | | | | Yes | | | | | | | | |
| PB43MX2-4 | | | | | No | | | | | | | | |
| PB43MA2PE-4 | | | | | Yes | | | | | | | | |

*PUMP WEIGHT: FILLED WITH OIL INCLUDING UCAGE

Accessories

| Accessory Part # | Description |
|------------------|---|
| 3001434 | LINKING CABLE 100' ASSEMBLY - ALLOWS CONNECTION OF MULTIPLE eSYNC UNITS |
| 2010995 | BATTERY CHARGER 115V US PLUG |
| 2011156 | BATTERY CHARGER 230V CE EU PLUG |
| 3001464 | BATTERY CHARGER 230V CE UK PLUG |
| 3001465 | BATTERY CHARGER 230V CE AU PLUG |
| 2010994 | BATTERY 60VDC 8ah |



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