E-SERIES
E-PULSE™
HYDRAULIC PUMPS

High productivity through innovative design



ENERPAC

▼ EP3404JE, E-Pulse™ Electric Hydraulic Pump



High productivity through innovative design

Performance

- **Two-stage pump with high flow/pressure ratio:**
  3,1 l/min at 100 bar,
  2,1 l/min at 175 bar,
  1,0 l/min at 300 bar,
  0,5 l/min at 700 bar,
- **Smart controls enable motor to maintain constant power across the pressure range**
- **24VDC power regulator minimizes effects of poor power supply**
- **Six-piston block design provides even flow for smooth operation of cylinder or tool.**

Durability

- **Durable aluminium housing**
- **High-efficiency permanent magnet, direct drive motor enables continuous use and long service life**
- **Built-in thermal protection**
- **IP Rating: IP54 on the pump, IP67 on the pendant**

Convenience

- **Speed control with dial adjustment for precise operation**
- **Pendant and cord management system**
- **Convenient oil fill port, oil level indicator and automatic breather.**

Interactive Pendant

Integrated pendant control with a magnet that fits securely into the handle of the pump.

- Operation, programming and diagnostics status provided to operator with yellow, green, and red LED as well as vibration pulses.
- Fault codes warn operators of any issues related to voltage, temperature, button controls, or if professional service is required.



Variable Speed Control

Speed control with dial adjustment for precise tool or cylinder operation. The adjustable speed range is approximately 25 to 100% of full rated output.



Optional E-Pulse Gauge Kit

Available separately for use with E-Pulse pumps: **EPGK** optional 100 mm E-Pulse Gauge Kit.



Tie Down Bracket

Enables pump mounting to a work surface: **MBEP-1** optional Tie Down Bracket.



Manifold Mounting Bracket

Ability to mount AM21 and AM41 split-flow hydraulic manifolds: **MMBEP-1** optional Manifold Mounting Bracket.

E-Pulse™, Electric Hydraulic Pumps

E-Pulse™ Pumps

The Enerpac E-Pulse drives high productivity through its innovative design. Smart controls enable the motor to maintain constant power providing higher flow than traditional pumps.

Adjustable speed control enables precision as required. E-Pulse is designed for convenience.

Features include a cord management system and integrated pendant control with a magnet that fits securely into the handle of the pump.

The durable aluminum housing is designed to give easy access for serviceability. E-Pulse is the heart to any hydraulic system, ensuring high performance and providing ultimate convenience.

E Series

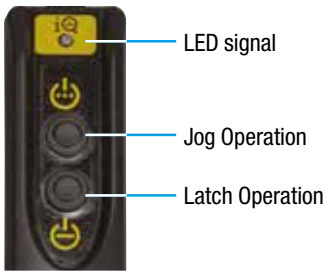


Reservoir Capacity:
3,0 litres

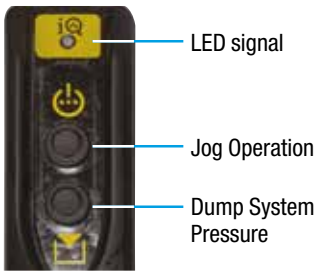
Flow at Rated Pressure:
0,5 l/min

Motor Size:
0,63 kW

Maximum Operating Pressure:
700 bar

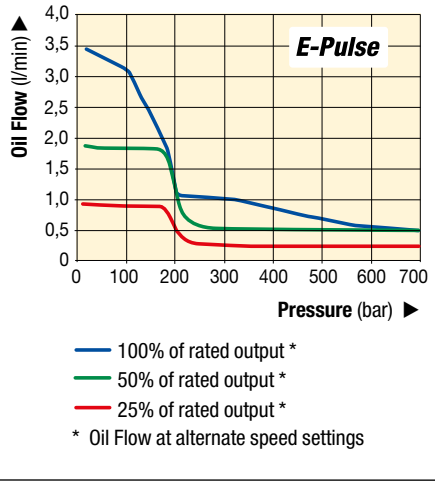


3/2 Jog, 3/2 Dump, 4/3 Jog
pendant with 3 metres cord



3/2 Dump and Hold
pendant with 3 metres cord

OIL FLOW vs. PRESSURE

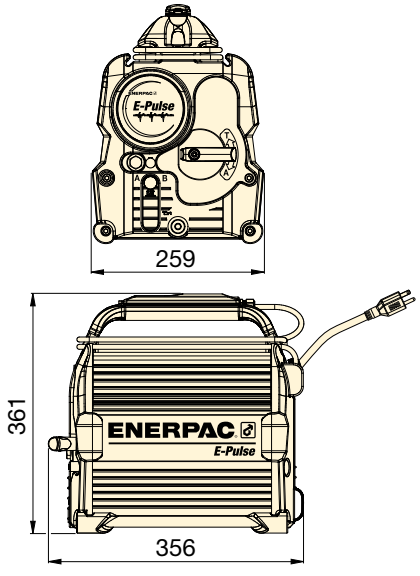


▼ PERFORMANCE CHART

Pump Series/Type	Output Flow Rate (l/min) 1 bar	175 bar	350 bar	700 bar	Motor Voltage (VAC)	Plug Type	Current Draw (Amps)	Sound Level (dBA)
EP3...DB	3,6	2,1	0,9	0,5	100-120	NEMA 5-15	12	70-85
EP3...DI					200-250	NEMA 6-15	7	
EP3...DE					200-250	Schuko CEE 7/7	7	

▼ SELECTION CHART

Used with cylinder or tool	Useable Oil Capacity (litres)	Model Number	Valve Type	Valve Function	Remote Pendant Functions	(kg)
Single-Acting	3,0	EP3104DB	3/2 Solenoid	Dump	Advance	18,1
		EP3104DI				
		EP3104DE				
	3,0	EP3204JB	3/2 Manual	Jog	Motor On/Off	17,9
		EP3204JI				
		EP3204JE				
	3,0	EP3304SB	3/2 Solenoid	Hold and Dump	Advance/Retract	18,2
		EP3304SI				
		EP3304SE				
Double-Acting	3,0	EP3404JB	4/3 Manual	Jog	Motor On/Off	18,1
		EP3404JI				
		EP3404JE				







TOOL SOLUTIONS

Enerpac offers an extensive range of tools to ensure that even your most demanding applications can be undertaken with the highest degree of safety and accuracy. Whatever your requirement — lifting, pressing, cutting, punching, spreading or bending; you can be sure that Enerpac has the correct tool to do your job safely and efficiently.



Cylinders & Lifting Products



Cylinder-Pump Sets



Cutters



Pullers



Lifting Wedges



Machine Lifts



Punches



Spreaders



Maintenance Sets



Pipe Benders



Presses



Nut Cutters

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