

**PZH-1B, the smallest-size model for
the PZH-series high-pressure variable displacement piston pumps launched**

1. Our initiatives to the market trends

Forging equipment such as press machine is used in the production of MLCCs (multilayer ceramic capacitors), with its demand growing significantly due to the processing needs of CFRP and titanium in the fields of automobiles, aviation/aerospace and electrification, the equipment demand expansion is expected. HPU is often used as a power source for the drive of industrial machinery such as forging machines. Due to the growing need for space saving and energy saving of equipment, there is a demand for smaller, yet higher output hydraulic units.

In 2018, we launched the high-pressure variable displacement piston pump PZH-3B. As the "PZH series" which realizes high-pressure specifications, energy saving and low noise, since then we have been rolling out "PZH-3B" and "PZH-2B" for the optimum pumping capacity selections according to the work size. This time, the smallest "PZH-1B" will be newly added to our lineup for further contributing to compactification and energy saving of equipment.

2. Features of high-pressure variable displacement piston pump "PZH-1B"

- (1) Target market/needs**

Industrial machinery such as machine tools and forging machines
- (2) Features (in common to PZH Series)**

①Energy saving

By the mechanism that reduces friction loss and internal leakage at each sliding part, energy-saving performance is improved and running costs are reduced.

②Low noise

With the reduced pulsation of pump discharge pressure and high rigidity design, noise is greatly reduced, contributing to the improvement in the working environment.

③High-pressure specifications

At 35MPa, a common feature of the "PZH-Series", realizes continuous discharge operation, machine operation is possible with long machine life with stability even under high-pressure operating conditions.



*Read QR code for more product information.

3. Product specifications

	1B	(Reference)2B	(Reference)3B
Rated pressure	35 MPa		
Max. revs	2000 min ⁻¹		
Maximum pump capacity	16.5 cm ³ /rev	45 cm ³ /rev	72 cm ³ /rev

4. Price and sales targets

- (1) Product price:** Open Price
- (2) Sales target:** 500 units per month by 2023.

5. Product inquiry

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