

Features

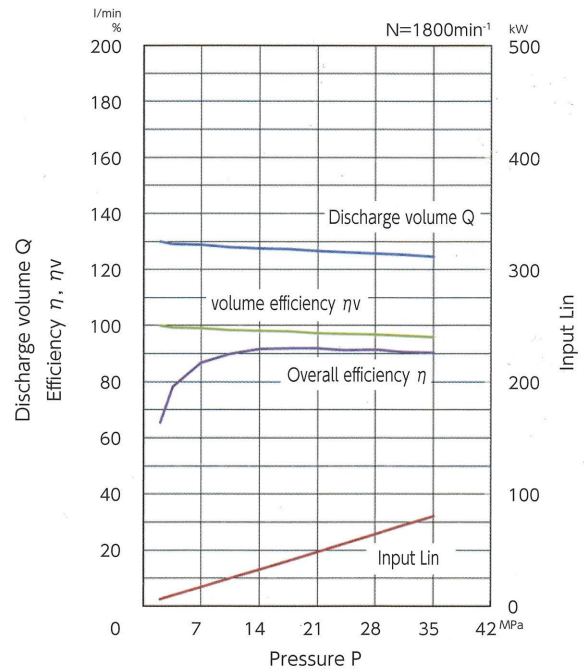
- **High Pressure**
 - Combines compact design with top-level high-pressure operation. Rated pressure 35MPa, permissible peak pressure 40MPa.
- **Energy Savings**
 - Provides higher energy-saving performance than competitors' by reducing friction losses on each sliding face and leaks inside pumps.
- **Low Noise**
 - Achieves minimal-noise operation by reducing pressure pulsation and improving part rigidity. It is quieter than 75dB(A) under 35MPa at full-flow operation.

Forming machines are used for deformation processing, which is applied as frequently as cutting in manufacturing processes. To increase the thrust power of forming machines to push up work pieces, higher pressure or a larger cylinder is needed, because thrust power is obtained by multiplying the size of the cylinder by the pressure. The manufacturing industry demands lower energy use, with smaller, more compact machines, and forming machines are subject to this trend as well. For this reason, NACHI developed the PZH-3B, a high-pressure variable displacement piston pump, which can downsize forming machines.

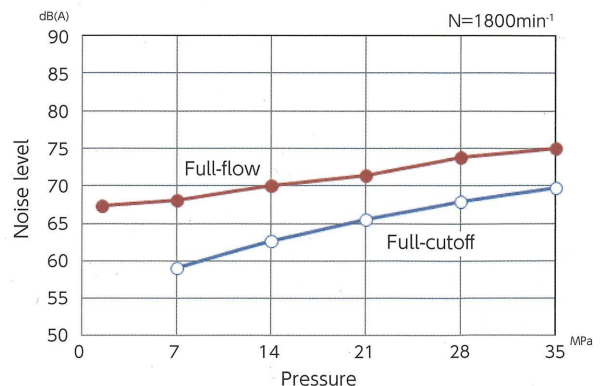
The PZH-3B saves energy and reduces the noise produced by the forming machines used inside plants. It reduces friction losses on each sliding face and leaks inside pumps. It also achieves significant energy-saving performance and minimal-noise operation by adopting noise reduction technology in every part, such as reduction of pressure pulsation and improvements to part rigidity.

NACHI will continue to expand the pump product lineup from small capacity to large, and will develop new products to meet customers' needs for compact, energy-saving, low-noise forming machines.

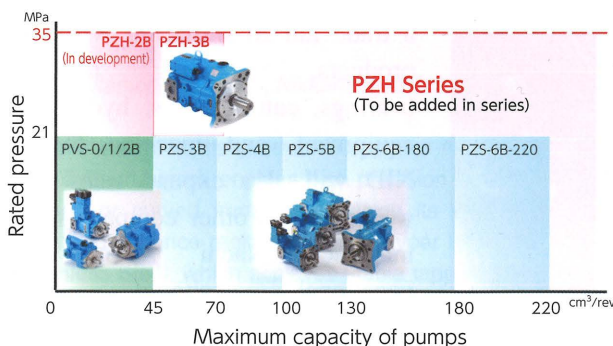
Performance



Low-noise Performance



Product Lineup



Cover image: The Hyper Z Series of Innovative Taps that received the "CHO" MONODZUKURI Innovative Parts and Components Award. NACHI contributes to the improvement of productivity with products that achieve stable processing and long tool life.