

# ZPU08/14/24 Pumps



The high-pressure ZPU08, ZPU14 and ZPU24 pumps are primarily used in two-line systems or as a supply pump.

The pump element, made of hardened steel, operates as a piston pump with two pistons operating in opposite directions which draw in lubricant alternately and feed it through the outlet hole to the

pressure line. The outlet channels of the high-pressure pistons are controlled by a floating piston.

These state-of-the-art pumps are extremely serviceable and reliable. All main components are easily accessible. The pumps come standard with a pressure relief valve, a check valve, a lubricant filter, and a pressure gauge.



ZPU08-40XL

## Popular Models

| Part No.    | Description                   | Reservoir Size |                 |      | Level Control | Motor   |
|-------------|-------------------------------|----------------|-----------------|------|---------------|---------|
|             |                               | Liters         | In <sup>3</sup> | Lbs. |               |         |
| 605-40272-5 | ZPU08G-40XL-380-415, 420-480  | 40             | 2441            | 80   | yes           | 3-phase |
| 605-40273-3 | ZPU08G-100XB-380-415, 420-80  | 100            | 6102            | 200  | yes           | 3-phase |
| 605-40276-3 | ZPU14G-100XB-380-415, 420-480 | 100            | 6102            | 200  | yes           | 3-phase |
| 605-40279-3 | ZPU24G-100XB-380-415, 420-480 | 100            | 6102            | 200  | yes           | 3-phase |

## Technical Data

| Model   | ZPU08  | ZPU14  | ZPU24   |
|---|--|--|---|
| lubricant output (output increases by 20% for 60 Hz applications) | 8 liters/hour<br>(2.1 U.S. gal/h)<br>488 in <sup>3</sup> /h                          | 14 liters/hour<br>(3.7 U.S. gal/h)<br>854 in <sup>3</sup> /h | 24 liters/hour<br>(6.3 U.S. gal/h)<br>1464 in <sup>3</sup> /h |
| drive speed   | 60 rpm   | 100 rpm  | 180 rpm   |
| operating pressure  | 400 bar (5800 psi)   |  |   |
| connection thread   | pressure line  | G 3/4 female (BSPP)  |   |
|   | relief line  | G 3/4 female (BSPP)  |   |
|   | filling line   | G 3/4 female (BSPP)  |   |
| direction of rotation of the drive                                | optional   |  |   |
| reservoir capacity  | 40 or 100 liters/(10 or 26 U.S. gal)<br>2441 in <sup>3</sup> or 6102 in <sup>3</sup> |  |   |
| lubricant filter  | filter area 5.1 cm <sup>2</sup><br>grade of filtration 280 µm                        |  |   |
| overpressure valve  | fixed setting to 410 bar (5946 psi) tamper-proof                                     |  |   |
| operating temperature   | -20° to 80 °C  |  | (-4° to 176 °F)   |

## Dimensions

| Reservoir Size                            | Height           | Width   | Depth          |
|---|------------------|---|----------------|
| 40 liters<br>(without low-level control)  | 760 mm (30 in)   | 670–735 mm (26–29 in)<br>depending on version   | 410 mm (16 in) |
| 100 liters<br>(without low-level control) | 975 mm (38.5 in) | 760–825 mm (30–32.5 in)<br>depending on version | 500 mm (20 in) |