

## Pump unit

### ZPU 08/14/24

Grease



#### Product description

The ZPU 08/14/24 pumps are used primarily in dual-line systems or as supply pumps and have a maximum operating pressure of 400 bar (5 800 psi). Depending on the system layout, these electric pumps can supply lubricant at distances of up to 120 meters (131 yd) and more.

Available with a 40 or 100 l (10 or 26 gal) reservoir, the pressure ZPU 08/14/24 pumps come standard with a pressure relief valve, check valve, lubricant filter and a pressure gauge. These robust units operate effectively at temperatures ranging from -20 to +80 °C (-4 to +176 °F) thanks to the integrated stirring device.

#### Features and benefits

- Reliable
- Simple to service
- Three options for high lubricant output
- Ultrasonic low- and high-level control options
- Built-in lubricant filter

#### Applications

- Cement plants
- Steel mills
- Power plants
- Mining
- Large machines

#### Technical data

Function principle	electrically operated piston pump
Drive speed	depending on model 60 - 180 r/min
Operating temperature	-20 to +80 °C, -4 to +176 °F
Lubricant	grease: up to NLGI 2, NLGI 3 on request oil: with a viscosity of min 20 mm <sup>2</sup> /s
Metering quantity <sup>1)</sup>	ZPU 08: 8 000 cm <sup>3</sup> /h, 488 in <sup>3</sup> /h ZPU 14: 14 000 cm <sup>3</sup> /h, 855 in <sup>3</sup> /h ZPU 24: 24 000 cm <sup>3</sup> /h, 1 465 in <sup>3</sup> /h
Operating pressure	max. 400 bar, 5 800 psi
Reservoir capacity	40 or 100 l, 10 or 26 gal
Main line connection	G 3/4 female
Voltage	380-415 V AC/50 Hz, 420-480 V AC/60 Hz, 500 V AC/50 Hz
Protection class	IP 65
Dimensions	depending on the model min. 760 x 670 x 410 mm max. 975 x 825 x 500 mm min. 30 x 26 x 16 in max. 38.5 x 32.5 x 20 in
Mounting position	vertical

<sup>1)</sup> output increase by 20% for 60 Hz applications



#### NOTE

For further technical information, technical drawings, accessories, spare parts or product function descriptions, see the following publication available on SKF.com/lubrication: PUB 13633 EN, 11A-18001-B07

Pump unit

ZPU 08/14/24

Order number configurator

ZPU

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Product series

Outlets

08 = 8 000 cm<sup>3</sup>/h, 488 in<sup>3</sup>/h

14 = 14 000 cm<sup>3</sup>/h, 855 in<sup>3</sup>/h

24 = 24 000 cm<sup>3</sup>/h, 1 465 in<sup>3</sup>/h

Drive assemblies

F = with free shaft end

G = with flanged gear motor construction IMB5

S = with worm gear and 3-phase motor construction IMV1

SF = with worm gear and shaft end, suitable for 3-phase motor construction

S/SF is only available for model ZPU 08

Reservoir capacity

040 = 40 l, 10 gal

100 = 100 l, 26 gal

Reservoir design

XN = grease reservoir, standard design

XL = grease reservoir with low-level control

XB = grease reservoir with high- and low-level control

XYBU = reservoir with low- and high-level control via ultrasonic sensor

Extension for motor designation

380-415/440-480 = standard multi-range motor for 380-415 V AC/50 Hz, and 420-480 V AC/60 Hz

500 = 500 V AC/50 Hz

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