



Data Sheet

Form No.	Issue Date	Rev. Date
DS-1012	04/19/96	10/29/13

WATEROUS CZ SERIES PUMPS

DESCRIPTION: SINGLE STAGE CENTRIFUGAL FIRE PUMP

CZ PUMPS ARE AVAILABLE AS FOLLOWS:

Table 1. CZ Series Pumps

Model	Capacity and Rating (1)	Intake	Discharge	Input Rotation	Mounting	Drive	Dim. Assy No.	Dimensional Drawing
CZ	950 GPM (3596 L/min) at 260 PSI (17.9 bar), net pump pressure	5 in. Victaulic®	4 in. ANSI Flange for an O-ring Seal (2)	CW	Pedestal (bracket on bearing housing, (2) 1/2-13 tapped holes on intake side and an optional mounting bracket on intake side)	Direct Drive with 1.97-10 Spline for Spicer 3-4-3051 End Yoke	81700	DPL81700
CZU	1500 GPM (5678 L/min) at 250 PSI (17.2 bar), net pump pressure	6 in. Victaulic®	4 in. Victaulic®					

NOTES:

- 1) Consult Waterous Company for additional capacity and rating information if needed.
- 2) O-ring for model CZ discharge is not supplied by Waterous.
- 3) Priming, relief valve and intake pressure measurement location provisions are not provided on the pump.

SPECIFY A COMPLETE PUMP AS FOLLOWS:

1.) VEHICLE INFORMATION

(See order form)

2.) PUMP INFORMATION

Rated Capacity-

CZ: 950 U.S. GPM

CZU: 1500 U.S. GPM

Certification-

NFPA or list other if required

Additional (Dual) Rating-

List capacity of dual rating if required

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3.) PUMP MODEL

Pump Model–

See table on page 1

Material–

Standard – Cast iron body and fittings, bronze fitted

Optional– Bronze body and fittings

(See form F–2011 for additional information on materials)

Pump Discharge Position–

Horizontal (Fig. 1)

Vertical (Fig. 2)

Optional Intake Side Mounting Bracket Position–

Inverted or vertical

Bearing Housing Bracket Position–

Inverted or vertical

4.) TRANSMISSIONS

4c.) Direct Drive CZ, CZU–

Input rotation: Clockwise

Input shaft: 1–15/16–10 SAE spline

(For Spicer 3–4–3051 end yoke)

5.) IMPELLER SHAFT

Shaft Material– 17–4 Stainless steel

Seal Type– Self-adjusting mechanical seal

Impeller Part No.– CZ: 82204

CZU: 82574

6.) PRESSURE CONTROL SYSTEM

6a.) Discharge Relief Valve– See data sheet DS–4004

6b.) Intake Relief Valve– See data sheet DS–4004

7.) INTAKE

7a.) Intake Size–

CZ: 5 in. Victaulic®

CZU: 6 in. Victaulic®

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8.) DISCHARGE

8b.) Discharge Size–

CZ: 4 in. ANSI flange for an O–Ring seal

CZU: 4 in. Victaulic®

8c.) Additional Discharge Valves–

List all valves to be shipped loose

See data sheet DS–4000

8d.) Discharge Valve Accessories–

List any control rods, panel items, etc.

See data sheet DS–4000

9.) PRIMING SYSTEM

9a.) Priming Pump– See data sheet DS–4002

9b.) Priming Valve– See data sheet DS–4002

9c.) Priming Tank– See data sheet DS–4002

9d.) Prime–Safe Lubricant– See data sheet DS–4002

10.) DRAIN VALVE

See data sheet DS–4006

11.) MISCELLANEOUS

11a.) Additional Fittings– List any additional discharge and auxiliary fittings which are to be shipped loose

See data sheet DS–4001

11b.) Other Items– List any miscellaneous items such as Monarch BFV items, kits as required

See data sheet DS–4009

12.) SPECIALITY ITEMS

12a.) Warranty– See data sheet DS–4008

12b.) Paint– See data sheet DS–4008