

Form No.	Issue Date	Rev. Date
DS-1012	04/19/96	3/25/22

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 245 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
	1000 GPM (3785 L/min) at 225 PSI (15.5 bar), net pump pressure							
CZU	1520 GPM (5753 L/min) at 245 PSI (16.7 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, 1000 U.S. GPM

CZU: 1520 U.S. GPM

Certification-

NFPA or list other if required

Additional (Dual) Rating-

List capacity of dual rating if required

DATA SHEET

WATEROUS CZ SERIES PUMPS

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®

DATA SHEET

WATEROUS CZ SERIES PUMPS

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