



Data Sheet

Form No.	Issue Date	Rev. Date
DS-1002	04/19/96	10/29/13

WATEROUS CP-2 SERIES PUMPS

DESCRIPTION: SINGLE STAGE CENTRIFUGAL FIRE PUMP

CAPACITIES AND RATINGS:

300 GPM (1135 L/min) at 150 psi (10.3 bar) net pump pressure

150 GPM (568 L/min) at 225 psi (15.5 bar) net pump pressure

60 GPM (227 L/min) at 400 psi (27.6 bar) net pump pressure

Maximum Discharge Pressure:

Bronze and Iron – 900 psig (62.0 bar)

Maximum net pump pressure is 500 psi (34.5 bar)

Consult Waterous Company for special ratings.

Refer to performance sheets for performance data.

Test Pressure Limits: Hydrostatic – Iron and Bronze, 1000 PSIG

CP-2 PUMPS ARE AVAILABLE AS FOLLOWS:

Table 1.

Basic Model	Intake	Discharge	Input Rotation	Available Drives				Complete Pump/ Trans Model	Assy No.	Drawing
				Trans Series	Mounting	Type	Model			
CP-2	3 in. NPT	2 in. NPT	CW or CCW	K	PTO	Two-Gear no Clutch	Medium Duty K	80202	DPL80202	
	3 in. BSP (1)	2 in. BSP (1)		T	Direct Engine	Two-Gear no Clutch	Medium Duty T			CPT-2

Note: 1. BSP (British Pipe) threads are available tapered only. Tapered threads are per BS21 for fittings where pressure-tight joints are made on the threads.

DATA SHEET

WATEROUS CP-2 SERIES PUMPS

SPECIFY A COMPLETE PUMP AS FOLLOWS:

1.) VEHICLE INFORMATION

(See order form)

2.) PUMP INFORMATION

Rated Capacity–

U.S. GPM: 60, 150, 300

Certification–

NFPA or list other if required

Additional (Dual) Rating–

List capacity of dual rating if required

3.) PUMP MODEL

Complete Pump/Transmission Model–

See table on page 1

Material–

Standard – Cast iron body and fittings, bronze fitted

Optional – Bronze body and fittings

Note: See form F-2011 for additional information on materials

Pump Discharge Position–

Up, left, right, down

4.) TRANSMISSIONS

4a.) K Series– See data sheet DS-2000

4b.) T Series– See data sheet DS-2001

5.) IMPELLER SHAFT

Shaft Material–

Standard: 17-4 stainless steel

Optional: K500 Monel

Seal Type–

Standard: Self-adjusting mechanical seal (Net pump pressure not to exceed 500 psi)

Impeller Part Numbers–

70966 (Clockwise input)

70967 (Counterclockwise input)

DATA SHEET

WATEROUS CP-2 SERIES PUMPS

7.) PRESSURE CONTROL SYSTEM

7a.) Discharge Relief Valve System– See data sheet DS-4004

7b.) Intake Relief Valve– See data sheet DS-4004

8.) INTAKE

8a.) Intake Size–

3 in. NPT or 3 in. BSP (Must have 2 in. BSP discharge)

9.) DISCHARGE

9a.) Discharge Size–

2 in. NPT or 2 in. BSP (Must have 3 in. BSP intake)

9b.) Additional Discharge Valves–

List all valves to be shipped loose

See data sheet DS-4000

9c.) Discharge Valve Accessories–

List any control rods, panel items, etc.

See data sheet DS-4000

10.) PRIMING SYSTEM

10a.) Priming Pump– See data sheet DS-4002

10b.) Priming Valve– See data sheet DS-4002

10c.) Priming Tank– See data sheet DS-4002

10d.) Prime-Safe Lubricant– See data sheet DS-4002

12.) DRAIN VALVE

See data sheet DS-4006

13.) MISCELLANEOUS

13a.) Additional Fittings– List any additional discharge and auxiliary fittings which are to be shipped loose

See data sheet DS-4001

13b.) Other Items– List any miscellaneous items such as Monarch BFV items, kits as required

See data sheet DS-4009

14.) SPECIALITY ITEMS

14a.) Warranty– See data sheet DS-4008

14b.) Paint– See data sheet DS-4008