

Data Sheet



Form No.	Issue Date	Rev. Date
DS-1016	10/23/02	10/29/13

WATEROUS CL SERIES PUMPS

DESCRIPTION: SINGLE STAGE CENTRIFUGAL FIRE PUMP

WATEROUS CL SERIES CENTRIFUGAL FIRE PUMPS ARE AVAILABLE AS FOLLOWS:

Table 1. CL Series Pumps

Capacity and Rating	Basic Pump Model	Available Drives				Complete Pump/Trans Model	Assembly No.	Drawing
		Trans Series	Trans Type	Trans Model	Driveline Size			
500 GPM at 150 psi (2000 L/min at 10.3 bar)	CLR	K	Two-Gear No Clutch	Medium Duty K	1-1/8 in. Keyed	CLRK	82623	DPL82623
		T	Direct Engine Mount	Medium Duty T	1-1/2-10 SAE or 1 in.-15T Involute	CLRT		
		P	Chain Case	PA	1-1/2-10 SAE	CLRPA		
	CLV	K	Two-Gear No Clutch	Medium Duty K	1-1/8 in. Keyed	CLVK	82527	DPL82527
		T	Direct Engine Mount	Medium Duty T	1-1/2-10 SAE or 1 in.-15T Involute	CLVT		
		P	Chain Case	PA	1-1/2-10 SAE	CLVPA		

CLR Intake: 4 in. NH, 4 in. BSP (straight per BS2779)
 Discharge: Standard – Blank (without head or tapped flange)
 Optional – Head with 2-1/2 in. flanges, 3 in. NPT tapped flange, 3 in. Victaulic®

CLV Intake: 4 in. Victaulic®
 Discharge: Standard – Blank (without head or tapped flange)
 Optional – Head with 2-1/2 in. flanges, 3 in. NPT tapped flange, 3 in. Victaulic®

SPECIFY A COMPLETE PUMP AS FOLLOWS:

1.) VEHICLE INFORMATION

(See order form)

2.) PUMP INFORMATION

Rated Capacity–

U.S. GPM: 500
 L/min.: 2000
 Imperial GPM: 410

Certification–

NFPA or list other

Additional (Dual) Rating–

List capacity of dual rating if required

DATA SHEET

WATEROUS CL SERIES PUMPS

3.) PUMP MODEL

Complete Pump/Transmission Model–

See table on page 1

Material– Standard – Ductile iron body and intake adapter, bronze–fitted

Optional – Bronze body and fittings

Note: CLR pump models are available in ductile iron only

(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 (intake pressure on seal not to exceed 100 psi,
75 psi recommended)

Impeller Part No.–

70980 (clockwise input rotation)

70981 (counter–clockwise input rotation)

6.) PRESSURE CONTROL SYSTEM

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

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

DATA SHEET

WATEROUS CL SERIES PUMPS

7.) INTAKE

7a.) CLR Intake–

Size– 4 in. NH, 4 in. BSP

Note: BSP threads are per BS2779 for fittings where pressure–tight joints are not made on the threads.

Intake Screen–

Size: 4 in.

Material: Zinc or brass

7b.) CLV Intake–

Size– 4 in. Victaulic®

Intake Screen–

Size: 4 in.

Material: Zinc or brass

8.) DISCHARGE

8a.) Discharge Fitting–

Standard – Blank (without head or tapped flange)

Optional – Head with 2–1/2 in. flanges, 3 in. NPT tapped flange, 3 in. Victaulic®

8b, 8c.) Left and Right Pad Fittings (Only If Discharge Head Is Selected)–

Select any auxiliary fittings and discharge valves which are to be mounted on the discharge head.

See data sheet DS–4001 (auxiliary fittings)

See data sheet DS–4000 (discharge valves)

8d.) Additional Discharge Valves–

List all valves to be shipped loose

See data sheet DS–4000

8e.) 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

DATA SHEET

WATEROUS CL SERIES PUMPS

10.) FOAM SYSTEM

10a.) **Foam Manager**– See data sheet DS-4010

10b.) **FoamPro Accessories**– See data sheet DS-4010

11.) DRAIN VALVE

See data sheet DS-4006

12.) MISCELLANEOUS

12a.) **Additional Fittings**– List any additional discharge and auxiliary fittings which are to be shipped loose

See data sheet DS-4001

12b.) **Other Items**– List any miscellaneous items such as Monarch BFV items, kits as required

See data sheet DS-4009

13.) SPECIALITY ITEMS

13a.) **Warranty**– See data sheet DS-4008

13b.) **Paint**– See data sheet DS-4008