



FOAM SYSTEMS

CAFSystems™

FIRE PUMPS

VEHICLE-MOUNTED PUMPS

CX/CXS



CXSC20
Shown

The most versatile pump offered by Waterous. When you need the performance of a larger split-shaft pump, but just don't have the compartment space, the CX/CXS is the answer.

Transmission Options



K



PA



T



TC20



QB



CXSD

PERFORMANCE

- Up to 1500 GPM (6000 l/min)

AVAILABLE MOUNTING

- Mid-Ship: Equipped with C20 Chain Drive Transmission
- PTO: Equipped with PA or QB Chain Drive PTO or K Series Gear Drive Transmission
- Rear Mount: Equipped with TC20 Transmission

SPECIFICATIONS – VEHICLE MOUNTED: MODEL CX

Up to 1500 GPM (6000 l/min) Flow Performance

| CX Pump Performance | | | | | | |
|---------------------|-------|-------|-----|-----|------|-----|
| GPM | l/min | l/sec | PSI | bar | kPa | MPa |
| 750 | 3000 | 50 | 150 | 10 | 1000 | 1.0 |
| 1000 | 4000 | 65 | 150 | 10 | 1000 | 1.0 |
| 1250 | 5000 | 80 | 150 | 10 | 1000 | 1.0 |
| 1500 | 6000 | 100 | 150 | 10 | 1000 | 1.0 |

Pump Features

- Two-Piece, vertically-split, high-tensile, close-grained iron (bronze Optional) body.
- Bronze, double-hubbed, balanced impeller. Flame –plating optional.
- Replaceable bronze wear rings to increase pump life.
- Stainless steel impeller shaft supported by oil-lubricated ball bearings.
- Self-adjusting mechanical seal.
- 6" Victaulic Intake (CXV Model)
- 6" Dual Intake "Rams Horn" (CXS Model)
- DIN PN10 150 Flange (CXN Model)

Warranty

Waterous Seven-Year Limited Warranty

Conditions of Sales

For details on Waterous Condition of Sales, refer to F-2190, *Conditions of Sales* located on the Waterous web site at www.waterousco.com or by contacting Waterous.

Optional Equipment

- Priming System, see F-2418
- Pressure Governor, see F-2995
- Pressure Control Systems:
 - Discharge Relief Valve, see F-897
 - Intake Relief Valve (Piloted), see F-2192
 - New Intake Relief Valve (Non-Piloted), see F-2192-N
- Corrosion Protection – Zinc Intake Screens and Magnesium Anodes
- Overheat Protection Manager, see F-2422
- Drain Valves, see F-1158
- 3-1/2" Tank to Pump Valve
- Discharge Valves, see F-1161
- Seven-Year Limited Warranty w/Total Protection Package (TPP-5), see F-2626
- Tachometer drive, operates at 1/2 input shaft speed.
- Transmissions Available:
 - C20 Chain Drive (Split-Shaft)
 - P Series Chain Drive (PTO Driven)
 - K Series Gear Driven (PTO Driven)
 - T Series Gear Driven (Direct Engine)
 - QB Series Transmission (PTO Driven)

Industry Leading Sales and Support

When you purchase equipment, not only do you get quality products, you get quality service. Our expert service technicians are the best in the business and they are always happy to answer any service questions you might have.

Sales/Applications Assistance
Phone: 651-450-5234 (Press 3)
pumpsales@waterousco.com

Service Assistance
Phone: 651-450-5200
Fax: 800-488-1228
service@waterousco.com

Pump Transmissions

K Series

The K Series Transmission is normally used when a truck transmission mounted power take-off is selected as the pump drive.

- **Housing:** Aluminum
- **Gears:** Helical, precision cut, crown shaved for proper load distribution and quiet operation.

T Series

The T Series Transmission is supplied when the pump is to be mounted directly to the engine bell housing. This provides a clean, compact arrangement and allows for complete pump and roll capability.

T Transmissions are available in SAE 2, 3, 4, or 5 bell housing adapters.

- **Housing:** Aluminum
- **Gears:** Helical, precision cut, crown shaved for proper load distribution and quiet operation.

D Series Direct Drive

Used when a truck transmission mounted power take-off is selected as the pump drive.

- **Housing:** High-strength aluminum

C20 Series

The "C20" series transmission is supplied when the pump is to be midship mounted. Power from the truck's automatic transmission is transmitted to the pump.

- **Housing:** High-strength aluminum
- **Chain:** High-strength involute chain

PA Series

PA Series transmission is normally used when a truck transmission mounted power take-off is selected as the pump drive. Designed for use with Allison transmissions with 10-bolt PTO.

- **Housing:** High-strength aluminum
- **Chain:** High-strength involute chain

QB Series (CXV Pumps Only)

QB Series transmission is normally used when a truck transmission mounted power take-off is selected as the pump drive. Designed with an 18-1/4" offset.

- Chain Driven
- Aluminum Case
- 1:06 ratio
- 1.750-10 SAE spline with SPL Series 90 End Yoke

Intake Connection:

| Type | Model | Sizes |
|-----------------------|-------|--------------|
| Victaulic® Intake | CXV | 6 inch |
| Rams Horn Dual Intake | CXS | 6 inch |
| Flange | CXN | DIN PN10 150 |

Note: 6 inch threaded intake available with 3 inch auxiliary intake ports.