



# Data Sheet

Form No. <b>DS-4015</b>	Issue Date <b>06/15/17</b>	Rev. Date <b>11/12/21</b>
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## Waterous Traditional CAFS

### PTO Systems and Kits

PTO Systems consist of a compressor and a fire pump.

PTO Kits consist only of a compressor.

### Available PTO System and Kit Models:

Drive	Model	CAFS		Fire Pump					
		Air (CFM)	Water (U.S. GPM)	Capacity	Model	Discharge Position	Transmission		
							Model	Mounting Position	Available Ratios
Direct from a PTO	250-100-P	100	200	250 GPM	CPK-2	Up	K	Vertical or Left	1.97, 2.14, 2.33, 2.55, 2.79, 3.40
	250-120-P	120	240						
	500-100-P	100	200	500 GPM	CLVK	Right	K	Vertical	1.97, 2.14, 2.33, 2.55, 2.79, 3.40
	500-120-P	120	240						
	500-150-P	150	300						
	750-150-P	150	300	750 GPM	CXVK, CXSK, CXNK	Up	K	Horizontal	1.56, 1.65, 1.88, 2.14, 2.45
					CXVPA, CXSPA, CXNPA	Up	PA	Vertical	1.70, 1.90, 2.10
	1000-150-P	150	300	1000 GPM	CXVK, CXSK, CXNK	Up	K	Horizontal	1.56, 1.65, 1.88, 2.14, 2.45
					CXVPA, CXSPA, CXNPA	Up	PA	Vertical	1.70, 1.90, 2.10
	1250-150-P	150	300	1250 GPM	CXVK, CXSK, CXNK	Up	K	Horizontal	1.56, 1.65, 1.88, 2.14, 2.45
					CXVPA, CXSPA, CXNPA	Up	PA	Vertical	1.70, 1.90, 2.10
	750-150-T	150	300	750 GPM	CXVT, CXST, CXNT	Up	T	Horizontal	1.16, 1.38, 1.56, 1.76, 1.88, 2.14, 2.45
	1000-150-T	150	300	1000 GPM					
	1250-150-T	150	300	1250 GPM					
80-P	80	160	Not Included, Compressor Only						
140-P	140	280							
200-P	200	400							
From a PTO via a Clutched Belt	100-B	100		200					

## Specify a PTO System or PTO Kit as follows:

### **Voltage:**

12 or 24

### **Model:**

See Table on page 1

### **Paint Color:**

Red Primer

Black Primer

Gray Primer

Red Enamel

### **Drive Location:**

Model 100-B only:

Vertical or Horizontal

All other models:

Not Applicable

### **Fire Pump (Does not apply to PTO Kits):**

#### *Model:*

See Table on page 1

#### *Material:*

Models CP-2, CLV, CXV:

Iron or Bronze

Models CXN, CXS:

Iron

#### *Discharge Position:*

See Table on page 1

#### *Transmission Ratio:*

See Table on page 1

#### *Transmission Mounting Position:*

See Table on page 1

#### *Transmission Oil Cooler:*

See Table on page 1

#### *Discharge Position:*

See Table on page 1

#### *End Yoke or Companion Flange:*

Pump Models CPK-2 and CLVK

1310 Series Companion Flange

Pump Models CXVK, CXSK, CXSK

1410 Series End Yoke

70 mm Male Pilot Companion Flange

70 mm Female Pilot Companion Flange

Pump Models CXVPA, CXSPA, CXSPA:

1410 Series End Yoke

70 mm Male Pilot Companion Flange

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**End Yoke or Companion Flange** *(PTO Kits only):*

Model 100-B

- 1350/1410 Series Companion Flange
- 70 mm Male Pilot Companion Flange
- 70 mm Female Pilot Companion Flange
- DIN 100 Companion Flange
- 1350 Series End Yoke
- 1410 Series End Yoke
- 1480 Series End Yoke

Models 80-P, 140-P, 200-P

- 1310 Series Companion Flange

**Sump:**

*All Models:*

Vertical *(Standard)*

*140, 150 and 200 CFM:*

Tee *(Optional)*

**Sump Vent:**

*(Vents compressor pressure for 10 seconds at start up to prevent engine stall)*

*80, 100, 120, 200 CFM:*

Without *(Standard)*

With *(Optional)*

*150 CFM:*

With *(Standard)* *(Not furnished for China)*

**Main Oil Cooler:**

*All Models:*

Water Cooler *(Standard)*

*80, 100, 120 CFM:*

Air Cooler *(Electric Fan)* *(Optional)*

**Operator Orientation:**

*(On-Site Operator Orientation and Training)*

Contact Waterous Company for Availability

**Warranty:**

*PTO Kits:*

1 Year Parts *(Standard)*

5 Year Parts *(Optional)*

*PTO Systems:*

5 Year Parts *(Standard)*

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## The Following Items are Optional:

### Secondary Oil Cooler:

*(Electric fan air cooler)*

120, 140, 150, 200 CFM:

Without *(Standard)*

With *(Optional)*

80, 100 CFM:

Not Available

### Hose and Fitting Kit:

*(Provides Hoses and Fittings to connect Compressor, Sump, Balance Valve, Separator Filter and Oil Cooler)*

Without *(Standard)*

With *(Optional)*

### Oil Inlet Check Valve:

*(Required when Sump is installed 12 in. or more above Compressor Rotor centerline, retains oil in compressor after shut down)*

Without *(Standard)*

With *(Optional)*

### Air Distribution Manifold:

*(Provides connections for air supply to CAF discharges)*

Manifold:

Without *(Standard)*

Three Ports *(Optional)*

Four Ports *(Optional)*

Five Ports *(Optional)*

Air Valves:

Without *(Standard)*

Electric *(Optional)*

Manual *(Optional)*

Port Caps:

*(One each 12 JIC, 8 JIC and 6 JIC for capping un-used manifold parts)*

Without *(Standard)*

With *(Optional)*

Auxiliary Air Kit:

*(Provides fittings, hoses, air valve and panel connection)*

Without *(Standard)*

1/4 in. NPT (F) Panel Connection *(Optional)*

3/4 in. NPT (F) Panel Connection *(Optional)*

### Air Pressure Gauge Kit:

*(Provides fittings, hoses and air gauge)*

Without *(Standard)*

Dual Scale, PSI and Kpa *(Optional)*

Single Scale, Mpa *(Optional)*

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**Panel Mounted Oil Cooler Strainer:**

See DS-4025

**Static Mixers (Scrubbers):**

See DS-4025

**CAFS Discharge Manifold:**

See DS-4025

**Victaulic Clamp:**

See DS-4025

**ICS Valves:**

See DS-4026

**Air Discharge Kits:**

See DS-4027

**Foam Pump:**

See DS-4014