



Data Sheet

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| Form No. | Issue Date | Rev. Date |
| DS-2000 | 04/19/96 | 12/18/14 |

WATEROUS K SERIES TWO-GEAR TRANSMISSIONS

DESCRIPTION: TWO-GEAR FIRE PUMP TRANSMISSIONS

K SERIES TRANSMISSIONS ARE AVAILABLE AS FOLLOWS:

Table 1. K Series Transmissions

| Type | Model | Helical Gear Data | | | For Pumps Rated | Used on Pump Models | Dimensional Drawing |
|----------------------------------------|--------------------|-------------------|------------|--------------------------|--------------------------------|----------------------------------------|---------------------|
| | | Pitch | Face Width | Center Distance | | | |
| Two-Gear without Clutch, for PTO Drive | Medium Duty K | 12 | 1-1/2 in. | 4-19/32 in. 116.69 mm | 500 GPM (1893 L/min) or less | CP2, CP3-500, CP4, CLR, CLV, CLS | DPL82076 |
| | Heavy Duty K | 8 | 1-5/8 in. | 4-19/32 in. 116.69 mm | 500 GPM (1893 L/min) or higher | CGV, CGVR, CGVG, CXS, CXN, CXV, CM, CS | DPL82076-1 |
| | Extra Heavy Duty K | 8 | 2-1/4 in. | 5.00 in. 127.00 mm | 500 GPM (1893 L/min) or higher | CH4, CP-5, CMU, CSU | DPL82076-2 |

SPECIFY A COMPLETE K SERIES TRANSMISSION AS FOLLOWS:

TRANSMISSION MODEL

See Table 1 above. Add to basic pump model. Examples: CMK, CMK-1

MOUNTING POSITION

Medium Duty K - Vertical, inverted, left side (horizontal), right side (horizontal)

Heavy Duty K - Vertical, inverted, left side (horizontal) right side (horizontal) or left or right side with special oil level

Extra Heavy Duty K - Vertical inverted, left side (horizontal), right side (horizontal)

NOTE: All mounting positions are not available on all pumps, see pump dimensional drawings for details.

EXTENDED DRIVEN SHAFT (Optional on Medium Duty for CLR, CLV & CP-2 Models and Heavy Duty for CXV Model)

The pump impeller shaft extends through the transmission allowing for the connection of a compressor which is driven at the same time as the pump.

INPUT ROTATION

Clockwise or counterclockwise (CM & CS models available as clockwise only)

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INPUT SHAFT (Driveline)

Medium Duty K

Standard: 1-1/8 in. straight keyed shaft

Optional: SAE Class C, 2 or 4 bolt hydraulic flange

Heavy Duty K

Standard: 1-3/8-10 SAE spline

Optional: SAE Class C, 2 or 4 bolt hydraulic flange

Extra Heavy Duty K

CH4 Models: 1-1/2-10 SAE spline

RATIO

Specify one of the following

*Medium Duty K: 1.62, 1.97, 2.14, 2.33, 2.55, 2.79, 2.93, 3.40, 4.00, 4.79

Heavy Duty K: 1.16, 1.30, 1.38, 1.56, 1.65, 1.88, 2.14, 2.45, 2.83

Extra Heavy Duty K: 1.27, 1.42, 1.69, 2.00, 2.12, 2.26

***NOTE:** Medium duty ratios 4.00 & 4.79 are not available on CP3-500 pump models.

TACHOMETER CONNECTION

Medium Duty K

Standard: Without tachometer

Optional: Complete mechanical drive

Heavy Duty K

Standard: Without tachometer

Optional: Complete mechanical drive

Extra Heavy Duty K

Not available

SUSPENSION PIN MOUNTING KIT (Optional)

Provides a method to pin transmission to a structural member mounted between the vehicle frame rails.