



Data Sheet

Form No.	Issue Date	Rev. Date
DS-2000	04/19/96	2/10/20

Waterous K Series Two-Gear Fire Pump Transmissions

Available K Series Transmissions

Transmission			Helical Gear Data			For Pumps Rated	Available on Pump Models
Type	Model	Duty	Pitch	Face Width	Center Distance		
Two-Gear Speed Increaser Driven from a Vehicle PTO	K	Medium	12	1-1/2 in.	4-19/32 in. 116.69 mm	500 GPM (1893 L/min) or less	CP-2 CP-3 CP-4 CLR, CLV, CLS
		Heavy	8	1-5/8 in.	4-19/32 in. 116.69 mm	500 GPM (1893 L/min) or higher	CGV, CGVR, CGVG CXN, CXS, CXV CM, CS HL200, HL300, HL400
		Extra Heavy Duty	8	2-1/4 in.	5.00 in. 127.00 mm	500 GPM (1893 L/min) or higher	CMU, CSU
						320 GPM	CP-5

Specify a complete Transmission as follows:

Transmission Model:

Add K Transmission model to desired pump model listed in table above.

Examples: CPK-2, CLRK, CGVK, CXVK, CMK, HL300K, CMUK, CPK-5

Case Mounting Position:

Transmission Duty	Mounting Position			
	Vertical	Inverted	Horizontal	
			Left Side	Right Side
Medium	X	X	X	X
Heavy	X	X	X	X
Extra Heavy Duty	X	Not Available	X	X

Note: Some mounting positions are not available with certain pump models, refer to pump dimensional drawings.

Input Rotation:

Transmission Duty	Input Rotation
Medium	Clockwise (CW) or Counter Clockwise (CCW)
Heavy	Clockwise (CW) or Counter Clockwise (CCW)
Extra Heavy Duty	Clockwise (CW) only

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Input Shaft:

Transmission Duty	Available Inputs	
	Shaft	Optional Hydraulic Flange
Medium	1-1/8 in. Keyed	SAE Class C, 2 or 4 Bolt Hydraulic Adapter, 1-1/4-14T Involute Spline
Heavy	1-3/8-10 SAE Spline	SAE Class C, 2 or 4 Bolt Hydraulic Adapter, 1-1/4-14T Involute Spline
Extra Heavy Duty	1-1/2-10 SAE Spline	Not Available

Ratio:

Transmission Duty	Pump Model <i>(See Table on Page 1)</i>	Available Ratios												
		1.16	1.27	1.30	1.38	1.42	1.44	1.56	1.62	1.65	1.69	1.76	1.88	1.97
Medium	All	-	-	-	-	-	-	-	X	-	-	-	-	X
Heavy	All	X	-	X	X	-	-	X	-	X	-	-	X	-
Extra Heavy	CMU, CSU	-	X	-	-	X	-	-	-	-	X	-	-	-
	CP-5	-	-	-	-	-	-	-	-	-	-	-	-	-

Transmission Duty	Pump Model <i>(See Table on Page 1)</i>	Available Ratios											See Note	
		2.00	2.12	2.14	2.26	2.33	2.45	2.55	2.79	2.83	2.93	3.40	4.00	4.79
Medium	All	-	-	X	-	X	-	X	X	-	X	X	X	X
Heavy	All	-	-	X	-	-	X	-	-	X	-	-	-	-
Extra Heavy	CMU, CSU	X	X	-	X	-	-	-	-	-	-	-	-	-
	CP-5	-	-	-	X	-	-	-	-	-	-	-	-	-

Note: 4.00 and 4.79 ratios are not available with CP-3 pump models.

Optional Suspension Pin Mounting Kit:

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

Specify With or Without