



Data Sheet

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| Form No. | Issue Date | Rev. Date |
| DS-2001 | 04/19/96 | 12/18/14 |

WATEROUS T SERIES TWO-GEAR TRANSMISSIONS

DESCRIPTION: TWO-GEAR FIRE PUMP TRANSMISSIONS DIRECT ENGINE MOUNT SAE FLYWHEEL FOR DRIVING RING-TYPE OVER CENTER CLUTCH PER SAE J620.

T SERIES TRANSMISSIONS ARE AVAILABLE AS FOLLOWS:

Table 1. T Series Transmissions

| Type | Model | Helical Gear Data | | | Available Bellhousing | | For Pumps Rated | Used on Pump Models | Dimensional Drawing |
|-------------------------------------|---------------|-------------------|------------|--------------------------|-----------------------|----------------|--------------------------------------|--|---------------------|
| | | Pitch | Face Width | Center Distance | Housing Adapter | For Clutch No. | | | |
| Two-Gear for Direct Engine Mounting | Medium Duty T | 12 | 1-1/2 in. | 4-19/32 in. 116.69 mm | SAE 3 or 4 | 10 | 500 GPM (1893 L/min) or less | CP-1, CP-2, CP3-500, CP4, CLR, CLV | DPL82078 |
| | | | | | SAE 3 | 11-1/2 | | | |
| | | | | | SAE 5 | 6-1/2 | | | |
| | Heavy Duty T | 8 | 1-5/8 in. | 4-19/32 in. 116.69 mm | SAE 2, 3 or 4 | 10 | 500 GPM (1893 L/min) or higher | CGV, CGVR, CXV, CXN | DPL82078-1 |
| | | | | | SAE 2 or 3 | 11-1/2 | | | |

SPECIFY A COMPLETE T SERIES TRANSMISSION AS FOLLOWS:

TRANSMISSION MODEL

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

MOUNTING POSITION

Vertical, Inverted, left side (horizontal), right side (horizontal)

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

INPUT ROTATION

CP-1, CP-2: Clockwise or counterclockwise

INPUT SHAFT

Medium Duty T - 1-1/2-10 SAE Spline or
1-15T Involute Spline

Heavy Duty T - 1-3/4-10 SAE Spline

RATIO

Specify one of the following

Medium Duty T: 1.44, 1.62, 1.97, 2.33, 2.55, 2.79, 2.93, 3.40, 4.00, 4.79

Heavy Duty T: 1.16, 1.38, 1.56, 1.65, 1.76, 1.88, 2.14, 2.45

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TACHOMETER CONNECTION

Standard: Without tachometer

Optional: Complete mechanical drive

BELL HOUSINGS

Medium Duty T - SAE No. 3 Bellhousing
SAE No. 4 Bellhousing
SAE No. 5 Bellhousing

Heavy Duty T - SAE No. 2 Bellhousing
SAE No. 3 Bellhousing
SAE No. 4 Bellhousing

OPTIONAL DRIVE PLATES (Choice Optional)

Medium Duty T - SAE No. 3 or 4 Bellhousing, Clutch No. 10: Part No. V 2272
SAE No. 3 Bellhousing, Clutch No. 11-1/2: Part No. V 2461
SAE No. 4 Bellhousing, Clutch No. 8: Part No. V 2852
SAE No. 5 Bellhousing, Clutch No. 6-1/2: Part No. V2865

Heavy Duty T - SAE No. 2, 3 or 4 Bellhousing, Clutch No. 10: Part No. V 2462
SAE No. 2 or 3 Bellhousing, Clutch No. 11-1/2: Part No. V 2463