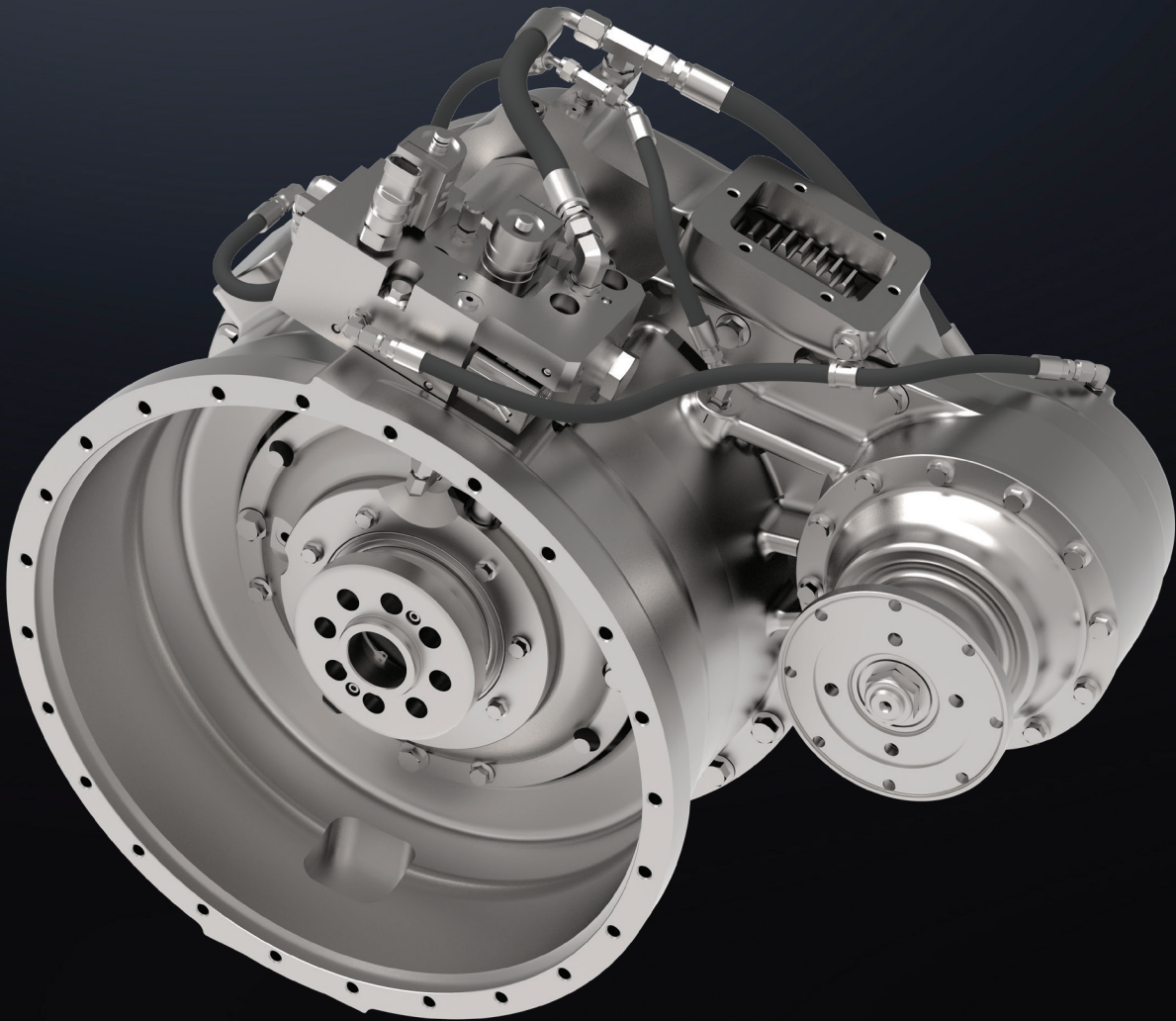


MERITOR® MPT-565 POWER DIVIDER



Airport crash-fire rescue vehicles require enough power to arrive on-scene fast and still pump enough water to fight the fire. Meritor's MPT-565 is mounted between the engine and automatic transmission so it can split the vehicle's power between the power takeoff (PTO) and primary transmission ensuring adequate distribution. MPT-565 features two hydraulically-modulated clutches allowing hot-shifting of the PTO and pump and roll function without sacrificing engine speed.



FEATURES AND BENEFITS

- Modulating main clutch, hot-shifted PTO, and low transmission ratio
 - Maintains correct rpm for “pump and roll” operation
- Hydraulically-actuated and hot-shift capable PTO
 - Provides smooth, on-the-fly operation for priming the water system
- Additional 6-bolt SAE PTO pad for powering auxiliary equipment
- Dry engine bell housing
- Control flexibility with options for 12V or 24V systems

MPT-565 POWER DIVIDER SPECIFICATIONS	
Type	Power divider
Input – Engine	SAE #1 24-bolt dry flywheel housing, 3 inch. 33 splines to accept torsional coupling
Output – Transmission	SAE #1 24-bolt housing, output shaft duplicates Detroit Diesel 8V-92 engine
Ratios – Main Clutch PTO Clutch	Straight through 1:1
PTO Horsepower (hp)	Up to 550*
PTO Speed (rpm)	Up to 3800*
PTO Output	Output to transmission side, 1410 ½ round yoke as standard output
Input-Output Rise (in)	15 / 6
Nominal Input Torque Rating (lbs-ft)	750
Lubrication	Integrated oil pump, 23 GPM at 1800 rpm
Controls (12 / 24Volt)	Integrated pressure regulator and PTO solenoid valve; Proportional valve with optional controller for main clutch
Size (in)	L: 18.5 W: 31.18 H:28.11
Weight (lbs)	490*

*All ratings and specifications nominal. Application ratings and approvals determined upon review of chassis and equipment data by Meritor Engineering.



Meritor Heavy Vehicle Systems, LLC
2135 West Maple Road
Troy, Michigan 48084 USA

Call 1-866-668-7221
or visit meritor.com

©2019 Meritor, Inc.
Litho in USA, SP-2015
Issued 11/19