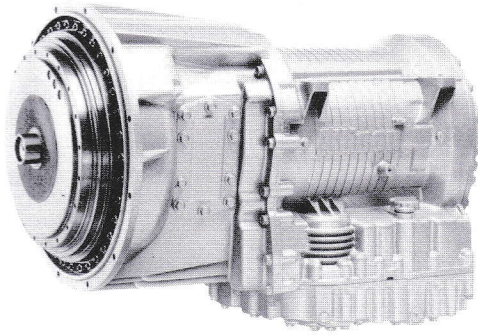


Allison World Transmission



**Automatic Models
MD 3060P / MD 3560P
up to 300 ghp (225 kW)
for on and on/off highway trucks**

Specifications

	Standard Rating	Specialty Rating+
Gross input power (maximum).....	275 hp (205 kW)	300 hp (225 kW)
Gross input torque (maximum).....	800 lb ft (1085 N•m)	950 lb ft (1290 N•m)
Rated input speed (minimum-maximum).....	2000-2800 rpm	2000-2800 rpm

Mounting

Engine.....SAE 2 flywheel housing, flex disk drive
Chassis.....Rear support available (required for some installations)

Torque converter

TypeOne stage, three element, polyphase
Stall torque ratio.....TC 411-2.71; TC 413-2.44; TC 415-2.35; TC 417-2.20;
TC 418-1.98; TC 419-2.02; TC 421-1.78
Lockup clutch with torsional damperIntegral/standard

Gearing ⊕

TypePatented, constant mesh, helical, planetary

	MD 3060P Ratios*	MD 3560P Ratios*
Range		
First.....	3.49:1	4.59:1
Second.....	1.86:1	2.25:1
Third.....	1.41:1	1.54:1
Fourth.....	1.00:1	1.00:1
Fifth.....	0.75:1	0.75:1
Sixth.....	0.65:1	0.65:1
Reverse.....	5.03:1	5.00:1
Ratio coverage		
Forward.....	5.34:1	7.05:1

*Gear ratios do not include torque converter multiplication.

Engine-driven power takeoff provision – left or right side – standard

Optional power takeoff unitsEngine-driven, constant-drive, 265-335 lb ft (360-455 N•m) intermittent
Engine-driven, clutched-drive, 265-335 lb ft (360-455 N•m) intermittent
Engine-driven, clutched-drive, 415-575 lb ft (560-780 N•m) intermittent

Oil system

Oil typeC4, MIL-L-2104, MIL-L-46167, DEXRON®-III
Capacity (excluding external circuits)29 US qts (28 liters)
Filters – main & coolerReplaceable element, integral
Heat exchanger type.....Oil to water, integral or remote mount available

Size

	MD 3060P / MD 3560P with PTO drive	MD 3060 / MD 3560 without PTO drive
Length (FW housing to output flange face).....	33.2 in (843 mm)	29.0 in (736 mm)
Depth (centerline to lowest point).....	12.8 in (325 mm)	12.8 in (325 mm)
Weight (dry).....	575 lbs (261 kg)	535 lbs (243 kg)

+ Specialty vehicles cover emergency vehicles, motorhomes, heavy equipment haulers, and tactical military vehicles.

⊕ Vocational shift calibrations vary by application. Consult Allison Transmission Sales for specific information.

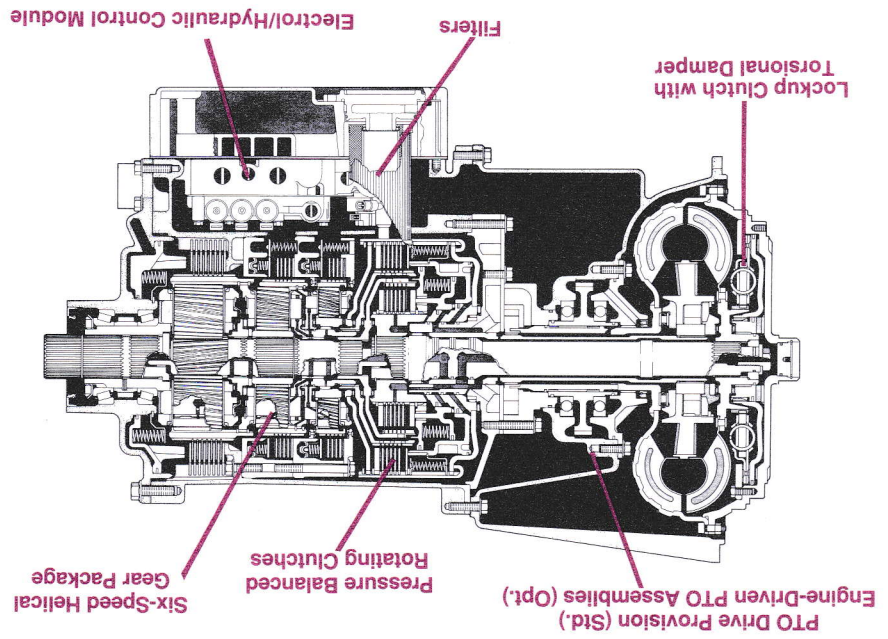


Allison Transmission
 P.O. Box 894, Speed Code PF3
 Indianapolis, Indiana 46206-0894
 1-800-2525ATD

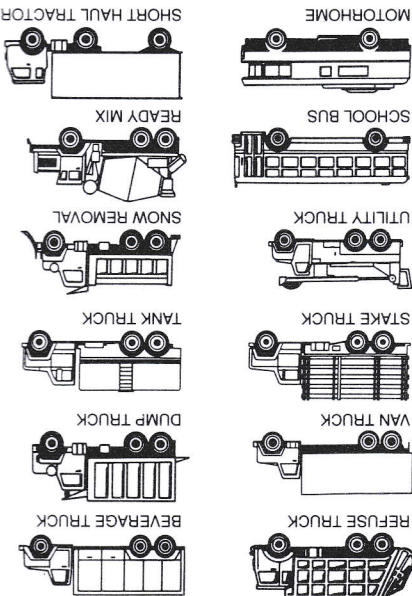
Design Features

- The WT family incorporates the latest technology in design, manufacturing techniques, and diagnostics.
- Hydraulic torque converter with lockup clutch and integral torsional vibration damper and planetary gear package.
- Unique patented helical gear arrangement provides 4, 5, or 6-speeds in a compact package.
- The electronic control system is standard and includes:
 - Cab mounted integral electronic control unit and shift selector (Pushbutton or lever)
 - Wiring harness
 - Neutral-range inhibit
 - Adaptive closed loop controls for shift quality
 - Performance/economy mode schedules
 - Remote shift selector optional
 - Various vocational calibration packages available
- Optional features available are:
 - Output flanges/yokes
 - Flex disk engine adaptation
 - Oil level sensor (12 or 24 volt capability)
 - Shallow sump
 - Direct mounted oil cooler
 - Output retarder
 - Parking brake/provision (non-retarder)
 - Tachograph drive provision (non-retarder)
- Integral externally accessible cartridge type oil filters simplify maintenance.
- PTO provision and #2 FW housing adaptation are standard features. To reduce length, weight and cost, the PTO drive provision can be deleted.
- Additional features available are:
 - Output flanges/yokes
 - Flex disk engine adaptation
 - Oil level sensor (12 or 24 volt capability)
 - Shallow sump
 - Direct mounted oil cooler
 - Output retarder
 - Parking brake/provision (non-retarder)
 - Tachograph drive provision (non-retarder)
- These options are available direct from Allison and carry the full MD transmission warranty. One-stop shopping for all installation needs and service.

Transmission Cross-section



Specialty Vocations*



Typical Applications

To be sure that you get the most efficient engine/transmission system for your operation, in your territory, with your preferred vehicle, your local Allison Transmission distributor offers **SCAAN** (System for Computerized Application Analysis) to help take the guesswork out of vehicle-buying specifications decisions. **SCAAN** can compute a wide variety of vehicle performance parameters; and will also check your powertrain specifications against Allison Transmission ratings and vocational expertise to insure satisfactory transmission performance.

SCAAN Specification Assistance.

EMERGENCY VEHICLES
 MOTORHOME
 TACTICAL MILITARY VEHICLES
 HEAVY EQUIPMENT HAULERS
 *Factory approval required.
 Other applications are available. Consult your local Allison distributor for details.