

# DETROIT DT12-OV DT12-OVX

TECHNICAL SPECIFICATIONS

**NEW DETROIT AUTOMATED TRANSMISSIONS THAT WORK HARD IN EXTREME CONDITIONS SO YOU CAN TOO. FROM HEAVY HAUL AND LOGGING TO ROADTRAIN AND CONSTRUCTION, THE DT12-OV AND DT12-OVX ARE READY TO TAKE ON ANY JOB.**

ENHANCED FEATURES INCLUDE:

#### **TOUGH GEARING FOR TOUGH APPLICATIONS.**

Large, robust gears enable greater torque input and GCM limits.

#### **NEW PTO CAPABILITIES.**

Now available in Western Star trucks, the DT12-OV and DT12-OVX come with rear or bottom power take-offs, offering added flexibility and application coverage for your truck.

#### **BETTER FUEL EFFICIENCY. BIGGER FUEL SAVINGS.**

A new oil pump and enhanced thermal management system utilize advanced transmission technology for better fuel economy.

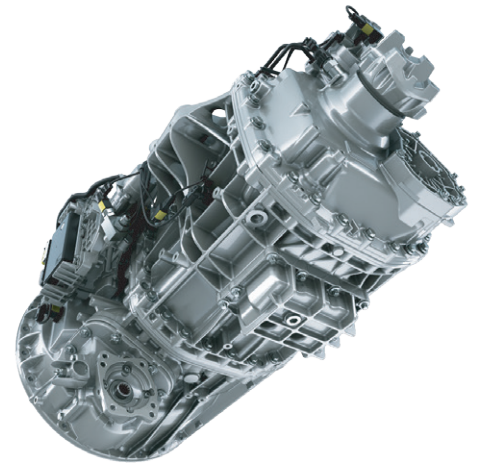
ADDITIONAL VOCATIONAL FEATURES INCLUDE:

**Rock-Free Mode** utilises the accelerator to help rock your vehicle free if you get stuck.

**Off-Road Mode** features shift maps for maximum performance on any terrain.

**Paver Mode** enables tipper trucks to shift from neutral to drive without pressing the brake pedal, ensuring a steady flow to an asphalt paver.

**Power Launch** automatically increases engine speed up to 1,200 RPM for smooth, powerful take-offs with heavy loads – all while protecting the clutch and driveline.



**DETROIT. NO COMPROMISE.**

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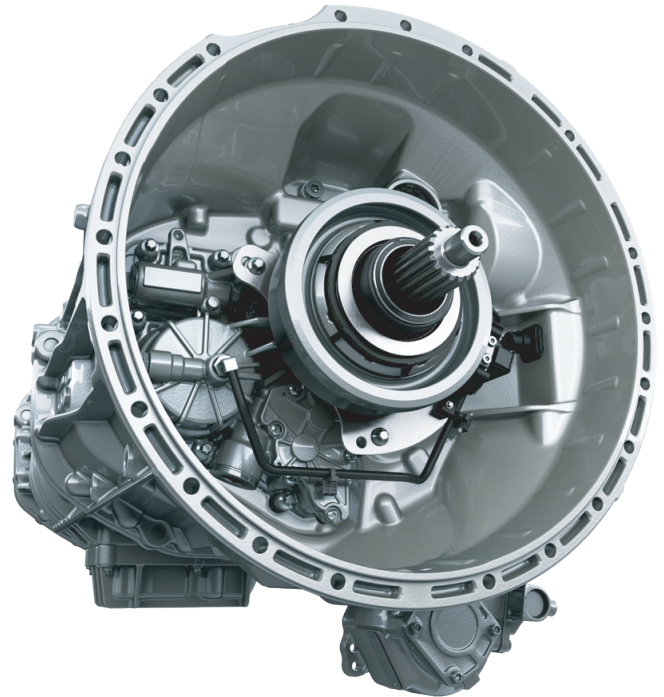
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### DETROIT CONNECT VIRTUAL TECHNICIAN REMOTE DIAGNOSTIC SYSTEM

If maintenance issues come up on the road, you can count on Detroit Connect Virtual Technician. With Virtual Technician, you are notified within minutes of a vehicle fault event. You will receive information on the severity of the fault and guidance on when and how to best fix the issue.



### DETROIT DT12 VOCATIONAL SPECIFICATIONS

	DT12-0V	DT12-0VX
Transmission type	Electronically Controlled Automated Manual Transmission (AMT)	
Speeds	12 forward / 4 reverse	
Shift actuation	Pneumatic	
Clutch actuation	Pneumatic	
Max. input torque (lb-ft)	2,250	2,500
Max. GCM (kg)	72,500	150,000*
Overall ratio	19	16
Weight (dry / clutch)	377	
Installation length (mm)	1,199	
PTO capability	Rear / SAE 8-Bolt Bottom	
Truck Model Availability	Western Star X-Series	
Engine Compatibility	DD13 Gen 5, DD16	DD16

\*Higher GCM available on request, dependant on specification and application  
All data is correct at the time of printing.

### GEAR RATIOS

Gear	DT12-0V	DT12-0VX
1st	14.563	12.793
2nd	11.303	9.958
3rd	8.611	7.564
4th	6.683	5.888
5th	5.091	4.600
6th	3.951	3.581
7th	2.861	2.781
8th	2.220	2.165
9th	1.691	1.644
10th	1.313	1.280
11th	1	1
12th	0.776	0.778
R1	16.15	14.18
R2	12.53	11.04
R3	3.17	3.08
R4	2.46	2.40

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