



SEAMLESS INTEGRATION

Purpose-built to work seamlessly with the MX-13 engine, the new PACCAR 12-speed automated transmission represents a major advancement in powertrain performance, productivity, efficiency, driveability and return on investment.

PACCAR
TRANSMISSIONS
Powered By Quality

INTRODUCING THE LATEST ADVANCEMENT IN AUTOMATED TRANSMISSIONS

THE PACCAR AUTOMATED TRANSMISSION COMES STANDARD WITH A HIGHLY ERGONOMIC, AUTOMOTIVE-STYLE COLUMN SHIFTER THAT IS SIMPLE AND INTUITIVE TO OPERATE. TRANSMISSION CONTROLS INCLUDE DRIVE, NEUTRAL, REVERSE AND MANUAL MODES AS WELL AS A SELECTOR FOR THE ENGINE BRAKE.



SMARTER BY DESIGN

PACCAR's proprietary 12-speed automated transmission is the lightest in its class. Featuring a weight-saving robust aluminum housing and coolerless-lubrication system, the 1,850 lb-ft torque-capable heavy-duty transmission weighs almost 50kg less than comparable automated transmissions. Fully integrated communication between the engine and transmission smooths operation.

BUILT-IN RELIABILITY

PACCAR protects your investment with a series of preventive maintenance features. The transmission fluid pressure sensor, for example, notifies the driver of low oil conditions to prevent gear burn-up and comes backed by burn-up protection. Smart prognostics for clutch replacement helps you to better plan maintenance schedules. The electrical system is fully encased, minimising exposure and corrosion to wires and connections. A vehicle oil-coalescing air filter protects the transmission system from contamination. And there is so much more, all designed for unprecedented dependability.

SIMPLIFIED MAINTENANCE

The PACCAR transmission greatly reduces downtime and maintenance cost. Your first lube change interval occurs at 400,000km and requires just 7.5 litres (STD) of oil. A greaseless 430mm self-adjust clutch is maintenance free. The input shaft wear sleeve can be replaced quickly and easily – without a costly and time-consuming teardown.

SOLID SUPPORT

The PACCAR Transmission is quality-manufactured for a long service life and comes with a three-year/750,000km warranty. The clutch carries a three-year/600,000km warranty. Several extended protection plan options are also available.

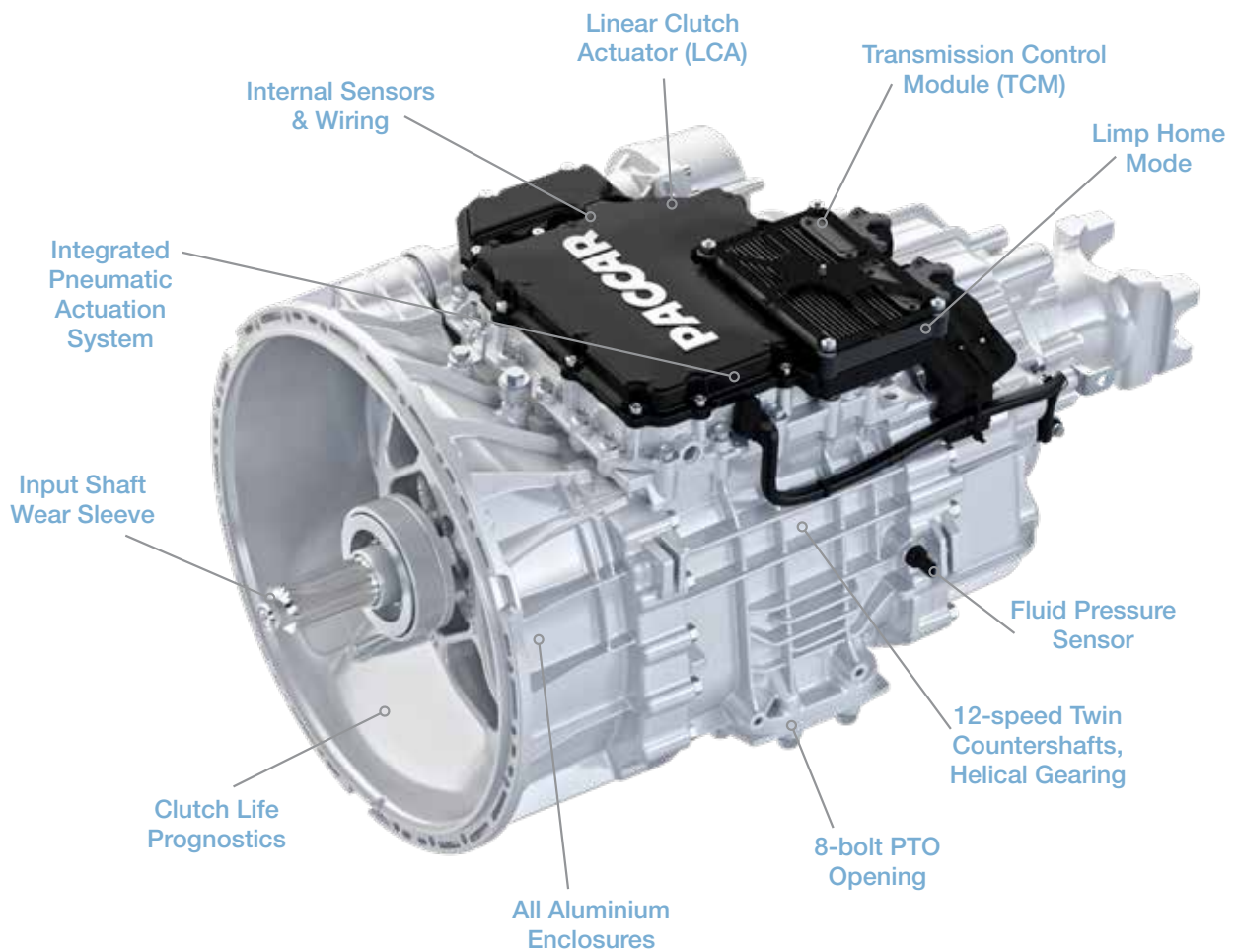
Comprising more than 50 regional and metropolitan locations, PACCAR has built an extensive truck dealer network across Australia, New Zealand and Papua New Guinea that is renowned for its professionalism and excellence in the heavy duty truck industry. In addition, PACCAR offers 24/7 emergency roadside assistance through its Vehicle Support Center for as long as you own your truck.

PRECISION-BUILT FOR GREATER EFFICIENCY, PRODUCTIVITY AND PROFITABILITY

These innovative design enhancements result in an automated transmission that delivers significant long-term operating advantages to owners and operators of PACCAR-powered trucks.



**PURPOSE-BUILT
AUTOMATED TRANSMISSION:
NOT CONVERTED FROM A
MANUAL TRANSMISSION.**



DRIVING SMARTER HAS NEVER BEEN THIS EASY

Of all the variables that contribute to an efficient operation, how well a truck can be driven is still the one factor that matters most.

IMPROVED DRIVER PERFORMANCE

Optimised shifting and clutch engagement makes the vehicle easier and more productive to operate. PACCAR's automotive-style column shifter allows the driver to keep both hands on the wheel and their eyes on the road, concentrating on traffic and the road ahead.

BETTER FUEL ECONOMY, FLEET-WIDE

PACCAR's new automated transmission constantly monitors changes in road grade, vehicle speed, acceleration, torque demand, weight and engine load to keep the truck in the most fuel-efficient gear possible.

INTELLIGENT TECHNOLOGY SIMPLIFIES OPERATION AND IMPROVES PERFORMANCE

PACCAR's automated transmission comes with a suite of impressive technology features designed to make it easier to deliver your loads as cost-effectively as possible.

FEATURE	DEFINITION
HILL START AID	Prevents unintended roll back or roll forward. When the grade exceeds the programmed threshold, foundation brakes hold the truck for a controlled launch. It works when pointing uphill in drive or facing downhill in reverse.
AUTO NEUTRAL	Automatically switches the transmission into neutral once the parking brake is engaged to prevent potential movement.
ENGINE OVERSPEED PROTECTION	The transmission system upshifts if necessary to prevent engine over-speeding in Drive, Manual and Low modes.
ENHANCED ENGINE BRAKING	Downshifts the transmission to help slow the truck on long, steep descents and increases brake pad life.
URGE TO MOVE	Drivers simply release the brake pedal to automatically move forward, similar to the feel of a passenger car.
CREEP MODE	Enables the driver to "creep" at low speeds, offering ultimate control.
NEUTRAL COAST	Fuel-saving feature that disengages the driveline on slight downhill grades.
OPTIMISED GEAR SELECTION	The transmission selects the appropriate starting gear and makes optimised shift decisions, skip shifting when appropriate, based on grade, vehicle weight, engine torque and throttle position.



KEY SPECIFICATIONS AND CAPACITIES CHART

FEATURE	DEFINITION
GEARS	12 forward / 2 reverse
TORQUE CAPACITY	1,850 lb-ft torque
OIL CAPACITY	7.5L (STD)
SYSTEM WEIGHT (Transmission, Clutch & Oil)	298kg
MAXIMUM OPERATING WEIGHT	50t
PTO MAXIMUM CAPACITY	8 bolt, bottom mount, 95 HP
BURNUP PROTECTION	Oil pressure sensor
WARRANTY COVERAGE:	
Transmission	3 years / 750,000km
Clutch	3 years / 600,000km
MAINTENANCE INTERVALS:	
Transmission	400,000 km oil change
Clutch	Maintenance free

RATIOS	
1st	14.43
2nd	11.05
3rd	8.44
4th	6.46
5th	4.95
6th	3.79
7th	2.91
8th	2.23
9th	1.70
10th	1.30
11th	1.00
12th	0.77
REVERSE 1	16.92
REVERSE 2	12.95
OVERALL	18.85

Visit paccar.com.au to find your local dealer.

PACCAR
Australia



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Note: Equipment and specifications shown in this brochure are subject to change without notice. Consult your PACCAR Engine dealer at time of ordering for standard and optional equipment. ©2020 PACCAR Australia.