

1000 SERIES™

RATINGS	Net Input Torque lb-ft (N•m)	Net Input Power ¹ hp (kW)	Net Turbine Torque ² lb-ft (N•m)	GVW lbs (kg)	GCW lbs (kg)	N/V Ratio ³ rpm/mph (rpm/kMph)
General Purpose Truck ⁴ , One-Way Rental ⁴ , North American School Bus ⁴	520 (705)	340 (254)	850 (1152)	19,850 (9003)	26,000 (11,793)	38-62 (24-38)
Refuse Vehicle ⁴	520 (705)	340 (254)	850 (1152)	16,540 (7502)	16,540 (7502)	38-62 (24-38)
Motorhome ⁴	520 (705)	340 (254)	850 (1152)	22,000 (9980)	26,000 (11,793)	38-62 (24-38)
Transit Bus, Non-North American School Bus	425 (577) ⁵	200 (149) ⁵	750 (1017)	16,540 (7502)	n/a (n/a)	38-62 (24-38)
Transit Bus with SEM ⁶ , Non-North American School Bus with SEM ⁶	465 (632) ⁵	200 (149) ⁵	750 (1017)	16,540 (7502)	n/a (n/a)	38-62 (24-38)

1 Gross Power rating as defined by ISO 1585 or SAE J1995.

2 Turbine Torque limit based on SCAAN standard deductions.

3 Ratio of transmission output rpm to vehicle ground speed. N/V is only used to limit park pawl applications.

4 Gross Power and Torque ratings are included for reference only.

5 Gross based input torque/input power rating.

6 SEM = Engine controls with Shift Energy Management.

MECHANICAL RATIOS*

Range

First	3.10:1
Second	1.81:1
Third	1.41:1
Fourth	1.00:1
Fifth	0.71:1
Reverse	-4.49:1
Ratio coverage	
Forward	4.37

* Gear ratios do not include torque converter multiplication.

OPTIONAL TURBINE-DRIVEN POWER TAKEOFF PROVISION (WITH NEUTRAL LOCKUP)

PTO mounting pads	SAE 6-bolt, 3 o'clock and 9 o'clock positions (as viewed from rear)
Using one PTO	1.00 x turbine speed, 250 lb-ft max (339 N•m)
Using two PTOs	1.00 x turbine speed, 200 lb-ft max each (271 N•m)

Neutral Lockup Control for PTO is available as an integral feature of the transmission control system.

Neutral Lockup is limited to engine speeds of 1000 rpm or greater.



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SA3117EN (2002/04) LITHO IN U.S.A. ISO/QS 9000 AND ISO 14001 CERTIFIED



TranSynd™ heavy-duty automatic transmission fluid, a remarkable synthetic oil exclusively formulated by Castrol for Allison Automatics, extends Allison transmission oil drain intervals 300%. Your vehicles are out of service only half as often. And you reduce ATF change intervals.