



TRANSMISSION RATINGS — 3000 PRODUCT FAMILY —

ALLISON ON-HIGHWAY TRANSMISSIONS

Contents:

	MODEL	TABLE NUMBER		MODEL	TABLE NUMBER
General Information		1.0	SPS Models	3000 SP	11.1
BUS Models	B295	2.1		3200 SP	11.2
	B300	2.2		3500 SP	11.3
	B400	2.3		3700 SP	11.4
	B3400 xFE™	2.4	T-Models	T260	12.1
EVS Models	3000 EVS	3.1		T270	12.2
	3500 EVS	3.2		T3270 xFE™	12.3
HS Model	3000 HS	4.1		T280	12.4
MHS Models	3000 MH	5.1		T3280 xFE™	12.5
OFS Model	3500 OFS	6.1		T310	12.6
ORS Models	3000 ORS	7.1		T325	12.7
	3200 ORS	7.2		T3325 xFE™	12.8
	3500 ORS	7.3		T350	12.9
PTS Models	3000 PTS	8.1		T375	12.10
RDS Models	3000 RDS	9.1		T3375 xFE™	12.11
	3500 RDS	9.2		T390	12.12
RHS Model	3414 RHS	10.1	TRV Models	3000 TRV	13.1
				3200 TRV	13.2
			3000 International Models	3000	14.1
				3000 xFE™	14.2
				3200	14.3
				3200 xFE™	14.4
				3500	14.5
				3700	14.6

List of Referenced Documents

Revision History

1.0 MODELS AND RATINGS

1.1 TRANSMISSION MODEL NAMES

The 3000 Product Family is comprised of several individual transmission models. The names of most transmission models consist of two elements, the base model number and the vocational model name or series. For a description, refer to [Transmission Families and Models](#).

1.2 NOTES REGARDING INFORMATION IN THIS DOCUMENT

The following common items are applicable to all tables in this document.

1. Values in U.S. units shown in parenthesis () are for reference only. Conversions between metric and U.S. units are not necessarily exactly equivalent.
2. Gross power rating as defined by ISO 1585 or SAE J1995.
3. Turbine Torque limit based on [iSCAAN](#) standard deductions.
4. Refer to [Technical Document \(TD\) 180-2, Vocational Compatibility for Allison On-Highway Transmissions](#), to determine which rating applies to your vocation.
 - For example, a 3000 RDS model used in a front-loader landfill refuse truck uses the refuse rating. That same transmission model used in a concrete mixer in the construction service category will use the concrete mixer rating.

2.0 BUS MODELS

2.1 B295

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Transit Bus	171 (230)	841 (620)	1857 (1370)	14,968 (33,000)	14,968 (33,000)	1900	2800	500 *	800	n/a

* 600 rpm if dual PTOs are used simultaneously

2.2 B300

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Transit Bus / Tour Coach	209 (280)	997 (735)	1857 (1370)	17,236 (38,000)	17,236 (38,000)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

2.3 B400

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Transit Bus	224 (300)	1254 (925)	1857 (1370)	20,412 (45,000)	20,412 (45,000)	1900	2800	500 *	800	3600
Tour Coach	246 (330)	1356 (1000)	2170 (1600)	20,412 (45,000)	20,412 (45,000)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

2.4 B3400 xFE™

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Transit Bus	224 (300)	1254 (925)	1857 (1370)	20,412 (45,000)	20,412 (45,000)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

3.0 EVS (Emergency Vehicle Series)

3.1 3000 EVS

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)		Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
							min rpm	max rpm	min rpm	max rpm	
Emergency Vehicles	336 (450)	1695 (1250)		2305 (1700)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

3.2 3500 EVS

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)		Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
							min rpm	max rpm	min rpm	max rpm	
Emergency Vehicles without SEM / LRTP	246 (330)	1335 (985)		2034 (1500)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Emergency Vehicles with SEM / LRTP	246 (330)	1 st Gear 1335 (985)	Gears 2-6 1424 (1050)	2034 (1500)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

4.0 HS (Highway Series)

4.1 3000 HS

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)		Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
							min rpm	max rpm	min rpm	max rpm	
Highway without SEM / LRTP	276 (370)	All Gear Ranges 1491 (1100)		2169 (1600)	36,288 (80,000)	36,288 (80,000)	1900	2800	500	800	3600
Highway with SEM / LRTP	276 (370)	Gears 1-2 1491 (1100)	Gears 3-6 1695 (1250)	2169 (1600)	36,288 (80,000)	36,288 (80,000)	1900	2800	500	800	3600

5.0 MH (Motor Home Series)

5.1 3000 MH

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Motor Home	336 (450)	1695 (1250)	2305 (1700)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

6.0 OFS (Oil Field Series)

6.1 3500 OFS

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)		Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
		Gears 1-2	Gears 3-6				min rpm	max rpm	min rpm	max rpm	
Oil Field without SEM / LRTP	246 (330)	All Gear Ranges 1166 (860)		1966 (1450)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Oil Field with SEM / LRTP	246 (330)	Gears 1-2 1166 (860)	Gears 3-6 1335 (985)	1966 (1450)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

7.0 ORS (Off-Road Series)

7.1 3000 ORS

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Articulated Dump	186 (250)	900 (664)	2135 (1575)	44,500 (98,100)	n/a n/a	1900	2800	500 *	800	3600
Rigid Rear Dump	186 (250)	900 (664)	2135 (1575)	44,500 (98,100)	n/a n/a	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

7.2 3200 ORS

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Articulated Dump	224 (300)	1100 (811)	2135 (1575)	44,500 (98,100)	n/a n/a	1900	2800	500 *	800	3600
Rigid Rear Dump	224 (300)	1100 (811)	2135 (1575)	44,500 (98,100)	n/a n/a	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

7.3 3500 ORS

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Articulated Dump	246 (330)	1100 (811)	1925 (1420)	44,500 (98,100)	n/a n/a	1900	2800	500 *	800	3600
Rigid Rear Dump	246 (330)	1100 (811)	1925 (1420)	44,500 (98,100)	n/a n/a	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

8.0 PTS (Pupil Transportation / Shuttle Series)

8.1 3000 PTS

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
School Bus	224 (300)	1288 (950)	1995 (1470)	n/a n/a	n/a n/a	1900	2800	500	800	3600
Shuttle Bus	224 (300)	1288 (950)	1995 (1470)	15,500 (33,000)	15500 (33,000)	1900	2800	500	800	3600

9.0 RDS (Rugged Duty Series)

9.1 3000 RDS

Rating without SEM / LRTP	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)		Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
							min rpm	max rpm	min rpm	max rpm	
On/Off-Highway	276 (370)	All Gear Ranges		2169 (1600)	36,288 (80,000)	36,288 (80,000)	1900	2800	500 *	800	3600
Refuse	276 (370)	1491 (1100)	1695 (1250)	2169 (1600)	28,123 (62,000)	n/a (n/a)	1900	2800	500 *	800	3600
Concrete Mixer	276 (370)	1491 (1100)	1695 (1250)	2169 (1600)	28,123 (62,000)	n/a (n/a)	1900	2800	500 *	800	3600
Specialty PTO	276 (370)	1491 (1100)	1695 (1250)	2305 (1700)	n/a (n/a)	n/a (n/a)	1900	2800	500 *	800	3600
Heavy Equipment Transport	276 (370)	1491 (1100)	1695 (1250)	2305 (1700)	n/a (n/a)	n/a (n/a)	1900	2800	500 *	800	3600
Rating with SEM / LRTP	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)		Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
On/Off-Highway	276 (370)	Gears 1-2	Gears 3-6	2169 (1600)	36,288 (80,000)	36,288 (80,000)	1900	2800	500 *	800	3600
Refuse	276 (370)	1491 (1100)	1695 (1250)	2169 (1600)	28,123 (62,000)	n/a (n/a)	1900	2800	500 *	800	3600
Concrete Mixer	276 (370)	1491 (1100)	1695 (1250)	2169 (1600)	28,123 (62,000)	n/a (n/a)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

9.0 RDS (Rugged Duty Series) continued

9.2 3500 RDS

Rating without SEM / LRTP	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)		Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm																			
							min rpm	max rpm	min rpm	max rpm																				
On/Off-Highway	246 (330)	All Gear Ranges		1925 (1420)	36,288 (80,000)	36,288 (80,000)	1900	2800	500 *	800	3600																			
		Refuse, Concrete Mixer	246 (330)									1166 (860)	1925 (1420)	27,216 (60,000)	n/a n/a	1900	2800	500 *	800	3600										
																					Specialty PTO	246 (330)	1288 (950)	1966 (1450)	n/a n/a	1900	2800	500 *	800	3600
Rating with SEM / LRTP	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)		Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm																			
On/Off-Highway	246 (330)	1st Gear	Gears 2-6	1966 (1450)	36,288 (80,000)	36,288 (80,000)	1900	2800	500 *	800	3600																			
		1166 (860)	1424 (1050)									1966 (1450)	n/a n/a	1900	2800	500 *	800	3600												
		1288 (950)	1424 (1050)																1966 (1450)	n/a n/a	1900	2800	500 *	800	3600					
Heavy Equipment Transport	246 (330)	1335 (985)	1424 (1050)	1966 (1450)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600																			

* 600 rpm if dual PTOs are used simultaneously

10.0 RHS (Regional Haul Series)

10.1 3414 RHS

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)				Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
									min rpm	max rpm	min rpm	max rpm	
Highway without SEM / LRTP	306 (410)	All Gear Ranges 1491 (1100)				2305 (1700)	n/a n/a	37,194 (82,000)	1900	2800	500 *	800	3600
Highway with SEM / LRTP	306 (410)	Gear 1 1491 (1100)	Gear 2 1695 (1250)	Gears 3-4 1763 (1300)	Gears 5-6 1966 (1450)	2305 (1700)	n/a n/a	37,194 (82,000)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

11.0 SPS (Specialty Series)

11.1 3000 SP

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Specialty / Military	261 (350)	1424 (1050)	2305 (1700)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

11.2 3200 SP

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Specialty / Military	336 (450)	1695 (1250)	2305 (1700)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

11.3 3500 SP

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Specialty / Military	246 (330)	1335 (985)	2034 (1500)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

11.4 3700 SP

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Specialty / Military	246 (330)	1186 (875)	1996 (1450)	n/a n/a	n/a n/a	1900	2800	500 *	800	n/a

* 600 rpm if dual PTOs are used simultaneously

12.0 T (Torqmatic Series)

12.1 T260

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Transit Bus (Front Engine Only)	157 (210)	780 (575)	1857 (1370)	17,000 (37,478)	17,000 (37,478)	1900	2800	500 *	800	3600
Tour Coach (Front Engine Only)	157 (210)	780 (575)	1857 (1370)	17,000 (37,478)	17,000 (37,478)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

12.2 T270

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Transit Bus	179 (240)	900 (664)	1857 (1370)	24,000 (52,911)	24,000 (52,911)	1900	2800	500 *	800	3600
Tour Coach	179 (240)	900 (664)	2030 (1497)	24,000 (52,911)	24,000 (52,911)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

12.3 T3270 xFE™

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Transit Bus	179 (240)	900 (664)	1857 (1370)	24,000 (52,911)	24,000 (52,911)	1900	2800	500 *	800	3600
Tour Coach	179 (240)	900 (664)	2030 (1497)	24,000 (52,911)	24,000 (52,911)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

12.0 T (Torqmatic Series) continued

12.4 T280

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Transit Bus	194 (260)	1000 (738)	1857 (1370)	24,000 (52,911)	24,000 (52,911)	1900	2800	500 *	800	3600
Tour Coach	194 (260)	1000 (738)	2030 (1497)	24,000 (52,911)	24,000 (52,911)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

12.5 T3280 xFE™

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Transit Bus	194 (260)	1000 (738)	1857 (1370)	24,000 (52,911)	24,000 (52,911)	1900	2800	500 *	800	3600
Tour Coach	194 (260)	1000 (738)	2030 (1497)	24,000 (52,911)	24,000 (52,911)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

12.6 T310

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Transit Bus	205 (275)	1100 (813)	1857 (1370)	28,500 (62,830)	28,500 (62,830)	1900	2800	500 *	800	3600
Tour Coach	205 (275)	1100 (813)	2030 (1497)	26,000 (57,320)	26,000 (57,320)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

12.0 T (Torqmatic Series) continued

12.7 T325

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Transit Bus	213 (285)	1200 (885)	1857 (1370)	29,000 (63,934)	29,000 (63,934)	1900	2800	500 *	800	3600
Tour Coach	220 (295)	1200 (885)	2030 (1497)	27,000 (59,525)	27,000 (59,525)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

12.8 T3325 xFE™

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Transit Bus	213 (285)	1200 (885)	1857 (1370)	29,000 (63,934)	29,000 (63,934)	1900	2800	500 *	800	3600
Tour Coach	220 (295)	1200 (885)	2030 (1497)	27,000 (59,525)	27,000 (59,525)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

12.9 T350

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Transit Bus	224 (300)	1254 (925)	1857 (1370)	29,000 (63,934)	29,000 (63,934)	1900	2800	500 *	800	3600
Tour Coach	242 (325)	1350 (996)	2030 (1497)	27,000 (59,525)	27,000 (59,525)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

12.0 T (Torqmatic Series) continued

12.10 T375

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Transit Bus	268 (360)	1450 (1069)	2170 (1600)	29,000 (63,934)	29,000 (63,934)	1900	2800	500 *	800	3600
Tour Coach	268 (360)	1450 (1069)	2170 (1600)	27,000 (59,525)	27,000 (59,525)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

12.11 T3375 xFE™

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Transit Bus	268 (360)	1450 (1069)	2170 (1600)	29,000 (63,934)	29,000 (63,934)	1900	2800	500 *	800	3600
Tour Coach	268 (360)	1450 (1069)	2170 (1600)	27,000 (59,525)	27,000 (59,525)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

12.12 T390

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Transit Bus with SEM / LRTP	283 (380)	1650 (1217)	2170 (1600)	29,000 (63,934)	29,000 (63,934)	1900	2800	500 *	800	3600
Tour Coach with SEM / LRTP	283 (380)	1650 (1217)	2170 (1600)	27,000 (59,525)	27,000 (59,525)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

13.0 TRV (Truck-Based Recreational Vehicle Series)

13.1 3000 TRV

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Truck-Based Recreational Vehicle	231 (310)	1288 (950)	2305 (1700)	n/a n/a	18,144 (40,000)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

13.2 3200 TRV

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
Truck-Based Recreational Vehicle without SEM / LRTP	336 (450)	1627 (1200)	2305 (1700)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Truck-Based Recreational Vehicle with SEM / LRTP	336 (450)	1695 (1250)	2305 (1700)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

14.0 International Models

14.1 3000 International Series

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
General	254 (340)	1261 (930)	2169 (1600)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Refuse, Concrete Mixer	239 (320)	1186 (875)	2169 (1600)	28,500 (62,832)	n/a n/a	1900	2800	500 *	800	3600
Fire Truck, Emergency	261 (350)	1424 (1050)	2305 (1700)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Dock Spotter, Tow Tractor	246 (330)	1261 (930)	2169 (1600)	n/a n/a	36,288 (80,000)	1900	2800	500 *	800	3600
School Bus - Outside N.A.	224 (300)	1254 (925)	1857 (1370)	20,415 (45,000)	20,415 (45,000)	1900	2800	500 *	800	3600
Ag Spreader, Sprayer, Blower, Feedlot Truck	235 (315)	1288 (950)	2305 (1700)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

14.2 3000 xFE International Series

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
General	254 (340)	1261 (930)	2169 (1600)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Refuse, Concrete Mixer	239 (320)	1186 (875)	2169 (1600)	28,500 (62,832)	n/a n/a	1900	2800	500 *	800	3600
Fire Truck, Emergency	261 (350)	1424 (1050)	2305 (1700)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Dock Spotter, Tow Tractor	246 (330)	1261 (930)	2169 (1600)	n/a n/a	36,288 (80,000)	1900	2800	500 *	800	3600
School Bus - Outside N.A.	224 (300)	1254 (925)	1857 (1370)	20,415 (45,000)	20,415 (45,000)	1900	2800	500 *	800	3600
Ag Spreader, Sprayer, Blower, Feedlot Truck	235 (315)	1288 (950)	2305 (1700)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

14.0 International Models continued

14.3 3200 International Series

Rating without SEM / LRTP	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)		Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
							min rpm	max rpm	min rpm	max rpm	
General	276 (370)	1491 (1100)		2169 (1600)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Refuse, Concrete Mixer	276 (370)	1491 (1100)		2169 (1600)	28,500 (62,832)	n/a n/a	1900	2800	500 *	800	3600
Fire Truck, Emergency	336 (450)	1695 (1250)		2305 (1700)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Dock Spotter, Tow Tractor	276 (370)	1491 (1100)		2169 (1600)	n/a n/a	36,288 (80,000)	1900	2800	500 *	800	3600
Ag Spreader, Sprayer, Blower, Feedlot Truck	276 (370)	1695 (1250)		2305 (1700)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Rating with SEM / LRTP	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)		Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
General	276 (370)	Gears 1-2 1491 (1100)	Gears 3-6 1695 (1250)	2169 (1600)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Refuse, Concrete Mixer	276 (370)	1491 (1100)	1695 (1250)	2169 (1600)	28,500 (62,832)	n/a n/a	1900	2800	500 *	800	3600
Dock Spotter, Tow Tractor	276 (370)	1491 (1100)	1695 (1250)	2169 (1600)	n/a n/a	36,288 (80,000)	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

14.4 3200 xFE International Series

Rating with SEM / LRTP	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)		Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
							min rpm	max rpm	min rpm	max rpm	
General	276 (370)	Gears 1-2 1491 (1100)	Gears 3-6 1695 (1250)	2169 (1600)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Refuse, Concrete Mixer	276 (370)	1491 (1100)	1695 (1250)	2169 (1600)	28,500 (62,832)	n/a n/a	1900	2800	500 *	800	3600
Fire Truck, Emergency	336 (450)	1491 (1100)	1695 (1250)	2305 (1700)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Dock Spotter, Tow Tractor	276 (370)	1491 (1100)	1695 (1250)	2169 (1600)	n/a n/a	36,288 (80,000)	1900	2800	500 *	800	3600
Ag Spreader, Sprayer, Blower, Feedlot Truck	276 (370)	1491 (1100)	1695 (1250)	2305 (1700)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

14.0 International Models continued

14.5 3500 International Series

Rating without SEM / LRTP	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)		Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
							min rpm	max rpm	min rpm	max rpm	
General	246 (330)	1166 (860)		1925 (1420)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Refuse, Concrete Mixer	246 (330)	1166 (860)		1925 (1420)	27,216 (60,000)	n/a n/a	1900	2800	500 *	800	3600
Fire Truck, Emergency	246 (330)	1335 (985)		2034 (1500)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Dock Spotter, Tow Tractor	246 (330)	1166 (860)		1925 (1420)	n/a n/a	36,288 (80,000)	1900	2800	500 *	800	3600
Ag Spreader, Sprayer, Blower, Feedlot Truck	246 (330)	1288 (950)		1966 (1450)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Rating with SEM / LRTP	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)		Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
General	246 (330)	1st Gear 1166 (860)	Gears 2-6 1424 (1050)	1966 (1450)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Fire Truck, Emergency	246 (330)	1335 (985)	1424 (1050)	2034 (1500)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600
Dock Spotter, Tow Tractor	246 (330)	1166 (860)	1424 (1050)	1966 (1450)	n/a n/a	36,288 (80,000)	1900	2800	500 *	800	3600
Ag Spreader, Sprayer, Blower, Feedlot Truck	246 (330)	1288 (950)	1424 (1050)	1966 (1450)	n/a n/a	n/a n/a	1900	2800	500 *	800	3600

* 600 rpm if dual PTOs are used simultaneously

14.0 International Models continued

14.6 3700 International Series

Rating	Gross Input Power kW (hp)	Gross Input Torque Nm (lb-ft)	Net Turbine Torque Nm (lb-ft)	GVW kg (lbs)	GCW kg (lbs)	Full Load Engine Governed Speed		Engine Idle Speed in Drive		Output Speed (Retarder Only) max rpm
						min rpm	max rpm	min rpm	max rpm	
General	205 (275)	990 (730)	1830 (1350)	n/a n/a	n/a n/a	1900	2800	500 *	800	n/a
Fire Truck, Emergency	239 (320)	1254 (925)	1966 (1450)	n/a n/a	n/a n/a	1900	2800	500 *	800	n/a

* 600 rpm if dual PTOs are used simultaneously

LIST OF REFERENCED DOCUMENTS

- [iSCAAN](#), Allison's vehicle performance calculation program
- [Transmission Families and Models](#)

Technical Documents (TD's)

- [TD180-2, Vocational Compatibility for Allison On-Highway Transmissions](#)

REVISION HISTORY

August 10, 2021

- In 10.1, revised the 3414 2nd range gross input torque rating

March 16, 2021

- Added 3000 xFE™ and 3200 xFE™ ratings in the International Models, see 14.2 and 14.4

January 21, 2021

- In 10.1, Revised the 3414 GCW rating to 82,000 lbs.

October 22, 2019

- Added 3414 RHS to Ratings table, see 10.1

August 23, 2019

- In 13.3, added new Gross Input Torque and Net Turbine Torque Ratings with SEM/LRTP for the 3500 International Series

September 4, 2018

- Revised Tour Coach ratings for T3270 xFE™, T3280 xFE™, and T3325 xFE™
- Added Tour Coach vocational capability to T3270 xFE™, T3280 xFE™, and T3325 xFE™

September 4, 2018

- Added Tour Coach to T3375 xFE™ in Table 11.11 (same as T375 Tour Coach ratings)

April 10, 2017

- In 1.1, removed redundant model name tables, refer to Transmission Families and Models
- In 1.2, added example of referencing TD180-2 in order to determine the proper rating.

September 23, 2016

- Added T3270 xFE™ to rating table

June 28, 2016

- Added Tour Coach to B300 Ratings in Table 2.2 (same as Transit Bus rating)

September 9, 2015

- Revised minimum Full Load Governed Speed for all 3000 Product Family Ratings to 1900 rpm, previously was 1950 rpm.