

Efficient + Reliable

Whether carrying out start-stop operations on a quiet street, driving at speed along a highway or maneuvering on a construction site, Allison transmissions make a significant contribution to the effective and efficient operation of any truck. Allison designs, develops and manufactures the world's widest range of commercial-duty, fully automatic transmissions for on- and off-road applications.

Allison 1000/2000 Series™ transmissions provide the ultimate choice for on-highway applications:

- Designed for light-duty commercial vehicles with gross weights up to 15,000 kg
- Close- and wide-ratio gearing
- Turbine-driven Power Take-Off (PTO) provision with optional neutral lock up feature
- Parking pawl provision on the 1000 and 2200 models
- Lower speed ranges
- Optional T-Case adapter for transercase mounting

Fleets around the world realize improved fuel economy with Allison's xFE transmission models. Our Continuous Power Technology™, earlier lock up in first gear and a low rate damper as a perfect match for 4-cylinder engines ensures exceptional performance throughout the life-cycle of your vehicle.

Designed to match the ratings of current engines and beyond as emissions standards change, International Series models offer benefits in productivity, durability and safety. For specific applications, customized transmissions are available to deliver exceptional performance and design flexibility.

Ratings				
Applications	Vocation	Gross Input Power ⁴ kW (hp)	Gross Input Torque N•m	GVW kg
1000	General	224 (300)/254 (340) ^{1,2,3}	780/895 ^{1,2,3}	9000
	Refuse	224 (300)	746/766 ^{1,2,3}	7500
1000 xFE ⁵	General	224 (300)/254 (340) ^{1,2,3}	780/895 ^{1,2,3}	9000
	Refuse	224 (300)	746/766 ^{1,2,3}	7500
1000 SP	Specialty	Contact your Allison representative for details		
2100	General	224 (300)/254 (340) ^{1,2,3}	780/895 ^{1,2,3}	12,000
	Refuse	224 (300)	746/766 ^{1,2,3}	12,000
2100 xFE ⁵	General	224 (300)/254 (340) ^{1,2,3}	780/895 ^{1,2,3}	12,000
	Refuse	224 (300)	746/766 ^{1,2,3}	12,000
2100 SP	Specialty	Contact your Allison representative for details		
2200	General	224 (300)/254 (340) ^{1,2,3}	780/895 ^{1,2,3}	11,800
2200 xFE ⁵	General	224 (300)/254 (340) ^{1,2,3}	780/895 ^{1,2,3}	11,800
2200 SP	Specialty	Contact your Allison representative for details		
2500	General	224 (300)/254 (340) ^{1,2,3}	780/895 ^{1,2,3}	15,000
	Refuse	224 (300)	746/766 ^{1,2,3}	12,000
2500 xFE ⁵	General	224 (300)/254 (340) ^{1,2,3}	780/895 ^{1,2,3}	15,000
	Refuse	224 (300)	746/766 ^{1,2,3}	12,000
2500 SP	Specialty	Contact your Allison representative for details		
2500 SP xFE ⁵	Specialty	Contact your Allison representative for details		

¹SEM = engine controls with Shift Energy Management. ²SEM and torque limiting are required to obtain this rating. ³Contact your Allison Transmission representative for details.

⁴Gross Power rating as defined by ISO 1585 or SAE J1995. ⁵Extra fuel savings promoted by enhanced hardware combined with FuelSense® 2.0 as a standard feature.



Gear Ratios - Torque Converter Multiplication Not Included

Model	First	Second	Third	Fourth	Fifth	Sixth	Reverse
1000, 1000 xFE, 2100, 2100 xFE, 2100 SP, 2200, 2200 xFE, 2200 SP	3.10:1	1.81:1	1.41:1	1.00:1	0.71:1	0.61:1	-4.49:1
2500, 2500 xFE, 2500 SP, 2500 SP xFE	3.51:1	1.90:1	1.44:1	1.00:1	0.74:1	0.64:1	-5.09:1

Torque Converter Specifications

Model	Torque Converter	Stall Torque Ratio
1000, 1000 xFE, 2100, 2100 xFE, 2100 SP, 2200, 2200 xFE, 2200 SP	TC-210	2.05
2500, 2500 xFE, 2500 SP, 2500 SP xFE	TC-211(D) ¹	1.91
	TC-221(D) ¹	1.73
	TC-222(D) ¹	1.58

¹(D) indicates low rate damper used in xFE models. It does not affect converter performance, improves fuel economy and is perfect for 4-cylinder torsional active engines.

Physical Description

Model		Length ¹ mm	Depth w/ Deep Oil Pan/Sump mm	Depth w/ Shallow Oil Pan/Sump mm	Dry Weight kg
1000, 1000 xFE, 2100, 2100 xFE, 2100 SP, 2200, 2200 xFE, 2200 SP, 2500, 2500 xFE, 2500 SP, 2500 SP xFE	SAE No. 3 Mounting	711	285	272	147
	SAE No. 2 Mounting	721	285	272	147

¹Length is measured from the front of the converter housing to the end of the output shaft.

Power Take-Off Provision - Continuous Operation

Model	Mounting Pad Positions Viewed From Rear	Drive Gear Rating With One PTO Nm (lb-ft)	Drive Gear Rating With Two PTOs Nm (lb-ft)	PTO Drive Gear	Drive
1000 Series™	3 and 9 O'clock (Standard)	339 (250)	271 (200)	64-Tooth	Turbine
2000 Series™	3 and 9 o'Clock (Optional)	339 (250)	271 (200)	64-Tooth	Turbine

Specifications Developed For You. Trust Allison.

For additional information contact your Allison Transmission representative.

One Allison Way
Indianapolis, Indiana, USA 46222-3271

Information or specifications subject to change without notice or obligation.

allisontransmission.com

SA8071EN (2017/10)
ISO/TS 9000 and ISO 14001 Certified

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