

Distribution

Deliver More, Deliver Cleaner

OWW 366

"We have chosen the natural gas trucks with Allison transmissions. So far, we've only heard good things about this vehicle configuration and are excited that it meets our high expectations in terms of energy efficiency, environmental protection, noise reduction and driving comfort."

Sven Sauerwein | Head of Logistic Services, Transgourmet Central and Eastern Europe

Experience the Allison Difference

• Faster acceleration and improved maneuverability

TRANSGO

- Lower total cost of ownership
- Smoother and cleaner drive combined with natural gas (CNG)
- No clutch pedal, less wear on drivetrain
- Proven reliability and durability

Hino 338 2000 Series^{TI}

• Greater uptime, reduced maintenance needs • Driver-friendly operation increases driver pool • Higher resale value • Committed to decreasing emissions with conventional, electric hybrid and fully electric propulsion

Allison Delivers Lower Cost of Ownership

You can't put a price on your reputation. That's why Allison builds in the long-term value that keeps you on the road and on the job. We know you have a choice. And while trucks with manual and automated manual transmissions (AMTs) may initially cost less than trucks equipped with Allison fully automatic transmissions, they typically cost more over time in maintenance and downtime.

Electrifying the Future

We're passionate about moving transit technology forward and evolving vehicles into full electrification. Our proven conventional and H 40/50 EP[™] electric hybrid transmissions, enhanced eGen Flex[™] electric hybrid and expanding fully electric axle technologies can help give your fleet greater range, fewer emissions, increased power and more. If you're ready to drive into the future, do it with an Allison.

TRANSGOURMET

Smoother And Cleaner Drive With Natural Gas (CNG)

Improved Driver Comfort **Superior Uptime**

Lower Maintenance Cost

Higher Resale Value

More Deliveries / Day

veco Stralis CNG 3000 Series™

3

More Uptime Means More Deliveries

Allison is built for today's high start-stop duty-cycles. Whether your drivers are transporting perishables around a city, running regional pickup and delivery routes or making the long haul, Allison positions you and your drivers to succeed. Less maintenance and reduced stress on the drivetrain keep your trucks on the road. Right where they belong.

STAIT ACI

0

.

Powering eCommerce

A business of Austry

275. C 214.

Fuso FN 6x2 3000 Series™

Allison Automatics Accelerate Faster, with

%

5

Higher Average Speed Than a Manual or AMT

Automatic vs. Manual and Automated Manual

By multiplying engine torque, your drivers get increased performance, improved maneuverability, faster acceleration and greater operational flexibility. An Allison Automatic increases power, while a manual or automated manual transmission (AMT) loses power with every shift. With an Allison Automatic, You can accomplish more, even with a smaller engine.

Finally, a fully automatic transmission has no mechanical clutch to replace and traditionally requires only standard fluid and filter replacement. Trucks stay on the job and out of the shop.

The Power of Allison

Allison fully automatic transmissions are built to perform in the toughest conditions. They feature our Continuous Power Technology[™], which provides more power to the wheels than other transmission technologies. And Allison's torque converter multiplies engine torque to significantly improve startability and launch. Get ready to handle anything your route throws at you.

Distribution Ratings

Model	Vocation	Ratio	Gross Input Power	Gross Input Torque	Net Turbine Torque	Gross Input Power	it Gross Input Torque		Net Turbine Torque	Max GVW	Max GCW
			Without Torque Management			With Torque Managemer			nt		
		kW (hp)	N∙m (lb-ft)	N∙m (lb-ft)	kW (hp)	N∙m (lb-ft)		N∙m (lb-ft)	lbs (kg)	lbs (kg)	
1000 1000xFE	Distribution General	Close	224 (300)	780 (575)	1152 (850)	254 (340)	895 ((660)	1288 (950)	9000 (19,850)	11,800 (26,001)
1350 1350xFE	General	Close	224 (300)	780 (575)	1152 (850)	254 (340)	895 (660)		1288 (950)	9000 (19,850)	13,600 (30,000)
2100 2100xFE	Distribution General	Close	224 (300)	780 (575)	1152 (850)	254 (340)	895 (660)		1288 (950)	12,000 (26,500)	12,000 (26,500)
2200 2200xFE	Distribution General	Close	224 (300)	780 (575)	1152 (850)	254 (340)	895 (660)		1288 (950)	11,800 (26,000)	11,800 (26,001)
2500 2500xFE	Distribution General	Wide	224 (300)	780 (575)	1152 (850)	254 (340)	895 (660)		1288 (950)	15,000 (33,000)	15,000 (33,000)
2550 2550xFE	Distribution General	Wide	224 (300)	780 (575)	1152 (850)	224 (300)	895 (660)		1288 (950)	13,600 (30,000)	13,600 (30,000)
3000 3000xFE	Distribution General	Close	254 (340)	1261 (930)	2169 (1600)	n/a	n/a		n/a	n/a	n/a
3200 3200xFE	Distribution General	Close	276 (370)	All Gear Ranges 1491 (1100)	2169 (1600)	276 (370)	Gears 1-2 1491 (1100)	Gears 3-6 1695 (1250)	2169 (1600)	n/a	n/a
3500	Distribution General	Wide	246 (330)	1166 (860)	1925 (1420)	246 (330)	Gears 1 1166 (860)	Gears 2-6 1424 (1050)	1966 (1450)	n/a	n/a
3700	Distribution General	Close	205 (275)	990 (730)	1830 (1350)	n/a	n/a		n/a	n/a	n/a
4000	Distribution General	Close	421 (565)	All Gear Ranges 2400 (1770)	3525 (2600)	421 (565)	Gears 1-2 2400 (1770)	Gears 3-6 2508 (1850)	3525 (2600)	n/a	n/a
4430	Distribution General	Wide	283 (380)	1560 (1150)	3322 (2450)	n/a	n/a		n/a	n/a	n/a
4440	Distribution General	Wide	317 (425)	1776 (1310)	3322 (2450)	n/a	n/a		n/a	n/a	n/a
4500	Distribution General	Wide	421 (565)	All Gear Ranges 2237 (1650)	3322 (2450)	n/a	n/a		n/a	n/a	n/a

Gear Ratios Torque Converter Multiplication Not Included

Model	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Reverse	2nd Reverse
1000 ¹ /1350 ¹ /2100 ¹ 2200 ¹ /2300 ¹ /2350	3.10:1	1.81:1	1.41:1	1.00:1	0.71:1	0.61:1 ²		-4.49:1	
2500 ¹ /2550 ¹	3.51:1	1.90:1	1.44:1	1.00:1	0.74:1	0.64:1 ²		-5.09:1	
3000 ¹	3.49:1	1.86:1	1.41:1	1.00:1	0.75:1	0.65:1		-5.03:1	
4000	3.51:1	1.91:1	1.43:1	1.00:1	0.74:1	0.64:1		-4.80:1	
4500	4.70:1	2.21:1	1.53:1	1.00:1	0.76:1	0.67:1		-5.55:1	
4700	7.63:1 ²	3.51:1	1.91:1	1.43:1	1.00:1	0.74:1	0.64:1	-4.80:1	-17.12:1 ³

1 Available with xFE. 2 Check with your OEM to ensure offerings. 3 SEM/LRTP or LRTP only is required.

Notes

* With 3000-3200-3500-3700, 4430, 4440, 4500 models, 600 rpm if dual PTOs are used similtaneously *Note with 4000-4500 models, if equipped with the ground-diven steering pimp provision, the maximum N/v is 28.57 rpm/kph (46.00 rpm/mph)

Features + Advantages

Shift Energy Management (SEM) with torque limiting Ratings up to 254 kW/895 N•m on the 1000, 1350, 2100, 2200, 2350, 2500 and 2550. Ratings up to 272 kW/691 N•m on the 2300. Ratings up to 276 kW/1695 N•m on the 3000. Ratings up to 433 kW hp/2508 N•m on the 4000 and 4500. <u>FuelSense 2.0[®] with DynActive[®] Shifting</u> New innovative shift scheduling uses an algorithm to choose the most efficient shift point, based on specs, vehicle and environmental parameters. Neutral at Stop Automatically eliminates the transmission load on the engine when the vehicle is at a full stop to save fuel and reduce overall vehicle emissions. Acceleration Rate Management Mitigates aggressive driving by controlling engine torque based on the vehicle's grade and load. Oil Level Sensor At the push of a button, oil levels are displayed on shift selectors for easy identification. Standard on the 3000, 4000 and 4500. Deep oil pan/sump standard Optional shallow oil pan available on the 1000 and 1350. <u>Prognostics</u> Eliminates unnecessary oil and filter changes by monitoring various operating parameters to determine and alert when a specific maintenance function is required.

"Allison's torque converter provides a continuous power transmission to the drive wheels, without power loss at the moment of gear change. It also means

faster acceleration, which means more deliveries

per day than with the other gearbox solutions."

Hakan Grann | CEO, H. Grann Åkeri



Our Promise

Provide the most reliable and valued propulsion solutions in the world to enable our customers to work more efficiently.

- Trusted by more than 350 OEMs worldwide
- A strong history of innovation with more than 1,100 patents
- Improved fuel economy with FuelSense[®] 2.0 with DynActive[®] Shifting technology
- Over seven million fully automatic transmissions delivered

A World of Support

From our headquarters in Indianapolis, Indiana, USA, to our plants in Hungary and India, to approximately 1,600 Allison Authorized Distributors and Dealers around the globe, you are never far from the products, training, service and support you demand.

Our support starts from the moment an Allison transmission is specified. We work with you to ensure that the model and ratings fit your engine to create a tailored package of powerful performance and reliable efficiency. When you need parts or service, you can count on global access to factory-trained specialists and Allison Genuine Parts[™].

Allison Transmission Europe B.V. Baanhoek 188 3361 GN Sliedrecht The Netherlands

Information or specifications subject to change without notice or obligation. SA8704EN (2023/03) © 2023 Allison Transmission Inc. All Rights Reserved.



allisontransmission.com