

## Efficient + Reliable

Whether carrying out start/stop operations in a quiet street, driving at speed along a highway or manoeuvring on a construction site, Allison transmissions will make a significant contribution to the effective and efficient operation of any truck.

### Allison 3000 Series™ transmissions provide the ultimate choice for medium- and heavy-duty applications:

- Rating up to a maximum of 336 kW (450 hp)
- Close- and wide-ratio gearing
- Engine-driven Power Take-Off (PTO) provision
- Optional integral output retarder
- Advanced electronic controls

Allison designs, develops and manufactures the world's widest range of commercial-duty, fully automatic transmissions for on- and off-road applications.

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, customised transmissions are available to deliver exceptional performance and design flexibility.

Physical Description				
Model	Length mm	Depth with Deep Oil Pan/Sump mm	Depth with Shallow Oil Pan/Sump mm	Dry Weight kg
3000/3200/3500				
Basic Model	718.7	327.7	283	243
With PTO Only	825.4	327.7	283	261
With Retarder Only	718.5	327.7	283	279
With Top/Side PTO & Retarder	825.4	327.7	283	297
With Side/Side PTO & Retarder	825.4	327.7	283	306
3700				
Basic Model	1310.3	555	-	530

Power Take-Off Provision - Continuous Operation					
Model	Mounting pad positions viewed from rear	Drive gear rating with one PTO N•m (lb-ft)	Drive gear rating with two PTOs N•m (lb-ft)	PTO Drive Gear	Drive
3000	4 and 8 o'clock (Standard)	660 (485)	930 (685)	68-Tooth	Engine
	1 and 8 o'clock (Optional)	660 (485)	930 (685)	83-Tooth	Engine
	1 and 8 o'clock (Fire and Emergency)	910 (670)	930 (685) <sup>1</sup>	83-Tooth	Engine

Torque Converter Specifications		
Model	Torque Converter	Stall Torque Ratio
3000	TC-411	2.71
	TC-413	2.44
	TC-415	2.35
	TC-417	2.20
	TC-418	1.98
	TC-419	2.02
	TC-421	1.77

Optional Retarder Provision		
Model	Capacity	
	Torque N•m	Power kW (hp)
3000		
	Low	298 (400)
	Medium	373 (500)
	High	447 (600)



Ratings				
Model	Vocation	Gross Input Power <sup>4</sup> kW (hp)	Gross Input Torque N•m	GVW kg
3000	General	254 (340)	1261	N/A
	Refuse, Concrete Mixer	239 (320)	1186	28,500
	Fire Truck, Emergency	261 (350)	1424	N/A
	Terminal Tractor, Tow Tractor	246 (330)	1261	N/A
	AG Spreader, Sprayer, Blower, Feedlot Truck	235 (315)	1288	N/A
3000 ORS	Articulated Dump, Rigid Dump	186 (250)	900	44,500
3000 SP	Specialty	261 (350)	1424	N/A
3200	General	276 (370)	1491/1695 <sup>1,2,3</sup>	N/A
	Refuse, Concrete Mixer	276 (370)	1491/1695 <sup>1,2,3</sup>	28,500
	Fire Truck, Emergency	336 (450)	1695	N/A
	Terminal Tractor, Tow Tractor	276 (370)	1491/1695 <sup>1,2,3</sup>	N/A
	AG Spreader, Sprayer, Blower, Feedlot Truck	276 (370)	1695	N/A
3200 ORS	Articulated Dump, Rigid Dump	224 (300)	1100	44,500
3200 SP	Specialty	336 (450)	1695	N/A
3500	General	246 (330)	1166	N/A
	Refuse, Concrete Mixer	246 (330)	1166	27,216
	Fire Truck, Emergency	246 (330)	1335	N/A
	Terminal Tractor, Tow Tractor	246 (330)	1166	N/A
	AG Spreader, Sprayer, Blower, Feedlot Truck	246 (330)	1288	N/A
3500 OFS	Oil Field	246 (330)	1166/1335 <sup>1,2,3</sup>	N/A
3500 ORS	Articulated Dump, Rigid Dump	246 (330)	1100	44,500
3500 SP	Specialty	246 (330)	1335	N/A
3700	General	205 (275)	990	N/A
	Fire Truck, Emergency	239 (320)	1254	N/A
3700 SP	Specialty	246 (330)	1186	N/A

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

<sup>4</sup>Gross Power rating as defined by ISO 1585 or SAE J1995.

Gear Ratios - Torque Converter Multiplication Not Included								
Model	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Reverse
3000/3200	3.49:1	1.86:1	1.41:1	1.00:1	0.75:1	0.65:1	-	-5.03:1
3500	4.59:1	2.25:1	1.54:1	1.00:1	0.75:1	0.65:1	-	-5.00:1
3700	6.93:1	4.18:1	2.24:1	1.69:1	1.20:1	0.90:1	0.78:1	-6.03:1

Specifications Developed For You. Trust Allison.

For additional information contact your Allison Transmission representative.

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