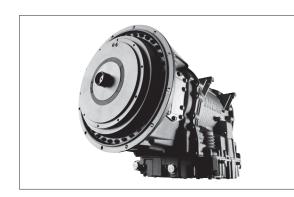


3000/3200 Series



RATINGS						
Model (1)		Input Torque Gross N•m (lb-ft)	Input Power Gross ⁽²⁾ Kw (hp)	Turbine Torque Net ⁽³⁾ N•m (lb-ft)	GVW kg (lbs)	GCW kg (lbs)
3000	General	1261 (930)	254 (340)	2169 (1600)	n/a	n/a
	Refuse, Concrete Mixer	1186 (875)	239 (320)	2169 (1600)	28,500 (62,832)	n/a
	Fire Truck, Emergency	1424 (1050)	261 (350)	2305 (1700)	n/a	n/a
	Dock Spotter, Tow Tractor	1261 (930)	246 (330)	2169 (1600)	n/a	36,288 (80,000)
	School Bus, Outside N.A.	1254 (925)	224 (300)	1857 (1370)	20,415 (45,000)	20,415 (45,000)
	Ag Spreader, Sprayer, Blower, Feedlot Truck	1288 (950)	235 (315)	2305 (1700)	n/a	n/a
3000 ORS	Articulated Dump	900 (664)	186 (250)	2135 (1575)	44.500 (98,100)	n/a
	Rigid Dump	900 (664)	186 (250)	2135 (1575)	44.500 (98,100)	n/a
3000 SP	Specialty / Military	1424 (1050)	261 (350)	2305 (1700)	n/a	n/a
3200	General	1491 (1100)	276 (370)	2169 (1600)	n/a	n/a
	Refuse, Concrete Mixer	1491 (1100)	276 (370)	2169 (1600)	28,500 (62,832)	n/a
	Fire Truck, Emergency	1695 (1250)	336 (450)	2305 (1700)	n/a	n/a
	Dock Spotter, Tow Tractor	1491 (1100)	276 (370)	2169 (1600)	n/a	36,288 (80,000
	Ag Spreader, Sprayer, Blower, Feedlot Truck	1695 (1250)	276 (360)	2305 (1700)	n/a	n/a
3200 MH	Motorhome	1695 (1250)	336 (450)	2305 (1700)	n/a	n/a
3200 ORS	Articulated Dump	1100 (811)	224 (300)	2135 (1575)	44,500 (98,100)	n/a
	Rigid Dump	1100 (811)	224 (300)	2135 (1575)	44,500 (98,100)	n/a
	Off-Road	C O N	ITACT YOUR ALLIS	ON REPRESENTAT	IVE FOR DETAI	LS
3200 SP	Specialty / Military	1695 (1250)	336 (450)	2305 (1700)	n/a	n/a

DRIVETRAIN INTERFACES	
Acceptable full-load engine governed speed	2000 – 2800 rpm
Acceptable engine idle speed range (with transmission in Drive)	500 – 800 rpm
Maximum output shaft speed at 105 km/hr (65 mi/hr)	3600 rpm

MOUNTING	
To Engine	SAE No.2
In Chassis	Rear support available (required for some installations)

TORQUE CONVERTER				
Туре	One stage, three element, polyphase. Includes standard integral damper which is operational in lockup.			
	Model	Stall Torque Ratio		
	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		

Range		
	First	3.49 : 1
	Second	1.86 : 1
	Third	1.41 : 1
	Fourth	1.00 : 1
	Fifth	0.75 : 1
	Sixth	0.65 : 1
	Reverse	-5.03 : 1

CONTROL SYSTEM			
Description	Allison 4th Generation Electronic Controls with closed loop adaptive shifts		
Shift Sequences	[C = Converter mode (lockup clutch disengaged); L = Lockup mode (lockup clutch engaged)]		
	Option 1: 1C-[1L]-2C-2L-3L-4L		
	Option 2: 1C-[1L]-2C-2L-3L-4L-5L		
	Option 3: 1C-[1L]-2C-2L-3L-4L-5L-6L		
Driver-to-Transmission Interface		Cab-mounted shift selector, pushbutton or lever with two-digit display (range selected and range attained)	
Communication Protocol - Engine/Vehicle Systems Interface SAE J1939, SAE J1587, ISO 914			

PHYSICAL DESCRIPTION	Length*	Dry Weight	Depth below trans	smission centerline
	3	, ,	With Shallow Oil Sump (Standard)	With Deep Oil Sump (Optional)
Basic Model	740 mm (29 in)	243 kg (535 lbs)	283 mm (11.4 in)	328 mm (12.9 in)
With PTO Drive Provision	846 mm (33.2 in)	260 kg (575 lbs)	283 mm (11.4 in)	328 mm (12.9 in)
With Retarder	740 mm (29 in)	280 kg (615 lbs)	283 mm (11.4 in)	328 mm (12.9 in)
With PTO Drive Provision and Retarder	846 mm (33.2 in)	300 kg (655 lbs)	283 mm (11.4 in)	328 mm (12.9 in)
*Approximate length from engine housing to output	flange (depending on output f	lange type)		

ENGINE-DRIVEN POWER TAKE-OFF PROVISION				
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
4 o'clock and 8 o'clock (Standard)	660 (485)	930 (685)	68 tooth	Engine
1 o'clock and 8 o'clock (Optional)	660 (485)	930 (685)	83 tooth	Engine
Fire and Emergency	910 (670)	930 (685)¹		

¹ Intermittent rating to 1068 N•m

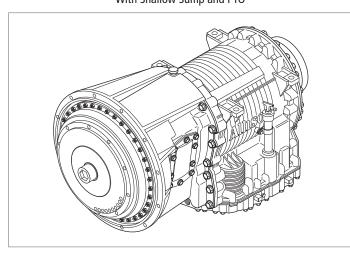
OUTPUT RE	TARDER PROVISION (OPT	ION)
Туре		Integral, hydraulic
	Сарас	city
	Torque	Power
Low	1490 N•m (1100 lb-ft)	298 kW (400 hp)
Medium	1763 N•m (1300 lb-ft)	373 kW (500 hp)
High	2170 N•m (1600 lb-ft)	447 kW (600 hp)

OIL SYSTEM		
Allison approved fluids: TES 295 and TES 389		
Capacity including PTO, excluding ext	ternal circuits	
With Deep Oil Sump	28 litres (30 quarts)	
With Shallow Oil Sump	25 litres (27 quarts)	
Main circuit oil filter	Replaceable element, integral	
Cooler circuit oil filter	Replaceable element, integral	
Electronic oil level sensor (OLS)	Standard	

SPEEDOMETER PROVISION				
Description	Non-zero-crossing square wave			
8, 16 or 40 pulse	es per revolution of transmission output shaft			
Location	Electronic output from TCM			

TACHOGRAPH PROVISION Tone wheel 4 or 6-tooth Mounting M18 x 1.5 metric thread Location Transmission rear cover or retarder housing

3000/3200 Series With Shallow Sump and PTO



3000/3200 Series With Retarder, PTO and Deep Oil Sump

