



# 4000 Series™

Allison Transmission's 4000 Series™ is designed to make heavy-duty vehicles operate smoothly and efficiently. Allison's 4000 Series is built for productivity and reliability to deliver both performance and fuel efficiency.

## Applicable Vocations

- Agriculture
- Construction
- Distribution
- Energy
- Fire + Emergency
- Mining
- Municipal + Utility Services
- Port Services
- Refuse
- RV + Motorhome
- Specialty
- Tractor

## Ratings

Model	Vocation	Gross Input Power	Gross Input Torque	Net Turbine Torque	Max GVW	Max GCW
		hp (kW)	lb-ft (N*m)	lb-ft (N*m)	lbs (kg)	lbs (kg)
4000	Emergency Vehicle	605 (451)	1850 (2508)	2600 (3525)	--	--
	ARFF	605 (451)	1675 (2271)	2600 (3525)	--	--
	Highway	580 (433)	1850 (2508)	2600 (3525)	--	--
	Motorhome	650 (485)	1950 (2644)	2800 (3795)	--	--
	Articulated Dump	480 (358)	1625 (2203)	2450 (3322)	151,017 (68,500)	--
	Rigid Rear Dump	480 (358)	1550 (2102)	2450 (3322)	125,663 (57,000)	--
	On/Off-Highway	580 (433)	1850 (2508)	2600 (3525)	--	--
	Refuse	500 (373)	1550 (2102)	2450 (3322)	--	--
	Specialty PTO	580 (433)	1770 (2400)	2600 (3525)	--	--
	HET	605 (451)	1850 (2508)	2600 (3525)	--	--
	Specialty/Military	650 (485)	1950 (2644)	2800 (3795)	--	--
	Truck RV	605 (451)	1850 (2508)	2800 (3795)	52,000 (23,587)	72,000 (32,659)
4200	Articulated Dump	480 (358)	1700 (2305)	2450 (3322)	178,574 (81,000)	--
4430	Oil Field Service	425 (317)	1217 (1650)	2600 (3525)	--	--
	Articulated + Rigid Rear Dump	380 (283)	1235 (1675)	2450 (3322)	151,017 (68,500)	--
	Specialty/Military	380 (283)	1180 (1600)	2600 (3525)	--	--
	Wide Body Dump	380 (283)	1235 (1675)	2450 (3322)	151,017 (68,500)	--
4500	Emergency Vehicles, ARFF	605 (451)	1850 (2508)	2600 (3525)	--	--
	Highway	580 (433)	1850 (2508)	2600 (3525)	--	--
	Oil Field Service/Yard Logger	580 (433)	1650 (2237)	2600 (3525)	--	--
	Articulated Dump	480 (358)	1625 (2203)	2450 (3322)	151,017 (68,500)	--
	Rigid Rear Dump	480 (358)	1550 (2102)	2450 (3322)	151,017 (68,500)	--
	On/Off-Highway	580 (433)	1850 (2508)	2450 (3322)	--	--
	Refuse	500 (373)	1550 (2102)	2450 (3322)	--	--
	Specialty PTO	580 (433)	1770 (2400)	2600 (3525)	--	--

	HET	605 (451)	1850 (2508)	2600 (3525)	--	--
	Specialty/Military	605 (451)	1850 (2508)	2600 (3525)	--	--
	Wide Body Dump	480 (358)	1625 (2203)	2450 (3322)	151,017 (68,500)	--
4600	Articulated + Rigid Rear Dump	480 (358)	1700 (2305)	2450 (3322)	178,574 (81,000)	--
	Wide Body Dump	480 (358)	1700 (2305)	2450 (3322)	178,574 (81,000)	--
4700	ARFF	605 (451)	1850 (2508)	2800 (3795)	--	--
	Oil Field Service	605 (451)	1850 (2508)	2600 (3525)	--	--
	Articulated Dump	500 (373)	1700 (2305)	2450 (3322)	178,574 (81,000)	--
	Mining/Off-Highway	580 (433)	1770 (2400)	2600 (3525)	138,000 (62,596)	--
	On/Off-Highway	580 (433)	1850 (2508)	2600 (3525)	--	--
	Refuse	500 (373)	1550 (2102)	2450 (3322)	--	--
	HET	605 (451)	1850 (2508)	2600 (3525)	--	--
	Specialty/Military	605 (451)	1850 (2508)	3000 (4067)	--	--
4750	Oil Field Service	665 (496)	1950 (2644)	3000 (4067)	--	--
4800	ARFF	700 (522)	1950 (2644)	2800 (3795)	--	--
	Oil Field Service	675 (503)	2250 (3050)	2800 (3796)	--	--
	Articulated + Rigid Rear Dump	605 (451)	1850 (2508)	2600 (3525)	211,644 (96,000)	--
	Mining/Off-Highway	605 (451)	1850 (2508)	2600 (3525)	138,000 (62,596)	--
	Specialty/Military	800 (597)	1950 (2644)	3000 (4067)	--	--
	Wide Body Dump	605 (451)	1850 (2508)	2600 (3525)	211,644 (96,000)	--
4850	ARFF	770 (574)	1950 (2644)	2800 (3795)	--	--
4870	Oil Field Service	675 (503)	2250 (3050)	2800 (3796)	--	--
4900	Emergency Vehicles, ARFF	800 (597)	2360 (3200)	3025 (4101)	--	--
	On/Off-Highway	650 (485)	2250 (3051)	2800 (3796)	--	--
	HET	800 (597)	2360 (3200)	3025 (4101)	--	--
	Specialty/Military	800 (597)	2360 (3200)	3025 (4101)	--	--
4970	Emergency Vehicles, ARFF	800 (597)	2360 (3200)	3025 (4101)	--	--
	On/Off-Highway	650 (485)	2250 (3051)	2800 (3796)	--	--
	HET	800 (597)	2360 (3200)	3025 (4101)	--	--
	Specialty/Military	800 (597)	2360 (3200)	3025 (4101)	--	--

## Gear Ratios

Model	Ratio	First	Second	Third	Fourth	Fifth	Sixth	Seventh	Reverse	2nd Reverse
4000, 4200	Close	3.51	1.91	1.43	1.00	0.74	0.64	N/A	-4.80	N/A
4430, 4440, 4500, 4600	Wide	4.70	2.21	1.53	1.00	0.76	0.67	N/A	-5.55	N/A
4700, 4750, 4800, 4850, 4900	Deep	7.63	3.51	1.91	1.43	1.00	0.74	0.64	-4.80	-17.12
4870, 4970	Wide	4.70	3.30	2.21	1.53	1.00	0.76	0.67	-5.55	-2.42