

# Ratings And Specifications

## RATINGS

MODEL	RATIO	PARK PAWL	MAX INPUT POWER <sup>1</sup>	MAX INPUT TORQUE <sup>1</sup>	MAX INPUT TORQUE OR TORQUE LIMITING <sup>1,2</sup>	SEM MAX TURBINE TORQUE <sup>3</sup>	MAX GVW	MAX GCW
			hp (kW)	lb-ft (N•m)	lb-ft (N•m)	lb-ft (N•m)	lbs (kg)	lbs (kg)
1000 RDS	Close Ratio	Yes	340 <sup>4,7</sup> (254) <sup>4,7</sup>	575 (780)	660 <sup>4,7</sup> (895) <sup>4,7</sup>	950 <sup>4</sup> (1288) <sup>4</sup>	19,500 (8845)	26,001 (11,800)
1350 RDS	Close Ratio	Yes	340 <sup>4,7</sup> (254) <sup>4,7</sup>	575 (780)	660 <sup>4,7</sup> (895) <sup>4,7</sup>	950 <sup>4</sup> (1288) <sup>4</sup>	19,500 (8845)	30,000 (13,600)
2100 RDS	Close Ratio	No	340 <sup>4,7</sup> (254) <sup>4,7</sup>	575 (780)	660 <sup>4,7</sup> (895) <sup>4,7</sup>	950 <sup>4</sup> (1288) <sup>4</sup>	26,000 (11,800)	26,000 (11,800)
2200 RDS	Close Ratio	Yes	340 <sup>4,7</sup> (254) <sup>4,7</sup>	575 (780)	660 <sup>4,7</sup> (895) <sup>4,7</sup>	950 <sup>4</sup> (1288) <sup>4</sup>	26,000 (11,800)	26,001 (11,800)
2300 RDS <sup>5</sup>	Close Ratio	No	365 (242)	n/a	510 (610)	950 <sup>4</sup> (1288) <sup>4</sup>	33,000 (15,000)	33,000 (15,000)
2350 RDS <sup>7</sup>	Close Ratio	Yes	340 <sup>4</sup> (254) <sup>4</sup>	575 (780)	660 <sup>4</sup> (895) <sup>4</sup>	950 <sup>4</sup> (1288) <sup>4</sup>	30,000 (13,600)	30,000 (13,600)
2500 RDS								
– On-/Off- Highway	Wide Ratio	No	340 <sup>4,7</sup> (254) <sup>4,7</sup>	575 (780)	660 <sup>4,7</sup> (895) <sup>4,7</sup>	950 <sup>4</sup> (1288) <sup>4</sup>	33,000 (15,000)	33,000 (15,000)
– Refuse	Wide Ratio	No	300 (224)	550 (746)	565 (766)	950 <sup>4</sup> (1288) <sup>4</sup>	24,200 (11,000)	24,200 (11,000)
2550 RDS <sup>7</sup>	Wide Ratio	Yes	340 <sup>4</sup> (254) <sup>4</sup>	575 (780)	660 <sup>4</sup> (895) <sup>4</sup>	950 <sup>4</sup> (1288) <sup>4</sup>	30,000 (13,600)	30,000 (13,600)
3000 RDS								
– On-/Off- Highway	Close Ratio	n/a	370 (276)	1100 (1491)	1250 <sup>6,7</sup> (1695) <sup>6,7</sup>	1600 (2169)	80,000 (36,288)	80,000 (36,288)
– Mixer	Close Ratio	n/a	370 (276)	1100 (1491)	1250 <sup>6,7</sup> (1695) <sup>6,7</sup>	1600 (2169)	62,000 (28,123)	—
– Refuse	Close Ratio	n/a	370 (276)	1100 (1491)	1250 <sup>6,7</sup> (1695) <sup>6,7</sup>	1600 (2169)	62,000 (28,123)	—
– Specialty PTO, HET	Close Ratio	n/a	370 (276)	1250 <sup>7</sup> (1695) <sup>7</sup>	n/a	1700 (2305)	—	—
3500 RDS								
– On-/Off- Highway	Wide Ratio	n/a	330 (246)	860 (1166)	1050 <sup>8</sup> (1424) <sup>8</sup>	1450 <sup>4</sup> (1966) <sup>4</sup>	80,000 (36,288)	80,000 (36,288)
– Mixer/Refuse	Wide Ratio	n/a	330 (246)	860 (1166)	n/a	1420 (1925)	60,000 (27,216)	—
– Specialty PTO	Wide Ratio	n/a	330 (246)	950 (1288)	1050 <sup>8</sup> (1424) <sup>8</sup>	1450 (1966)	—	—
– HET	Wide Ratio	n/a	330 (246)	985 (1335)	1050 <sup>8</sup> (1424) <sup>8</sup>	1450 (1966)	—	—
4000 RDS								
– On-/Off- Highway	Close Ratio	n/a	565 <sup>11</sup> (421) <sup>11</sup>	1770 (2400)	1850 <sup>10</sup> (2508) <sup>10</sup>	2600 (3525)	—	—
– Refuse	Close Ratio	n/a	500 (373)	1550 (2102)	n/a	2450 (3322)	—	—
– Specialty PTO	Close Ratio	n/a	565 (421)	1770 (2400)	n/a	2600 (3525)	—	—
– HET	Close Ratio	n/a	600 (447)	1850 (2508)	n/a	2600 (3525)	—	—
4500 RDS								
– On-/Off- Highway	Wide Ratio	n/a	565 <sup>11</sup> (421) <sup>11</sup>	1650 (2237)	1850 <sup>10</sup> (2508) <sup>10</sup>	2450 (3322)	—	—
– Refuse	Wide Ratio	n/a	500 (373)	1550 (2102)	n/a	2450 (3322)	—	—
– Specialty PTO	Wide Ratio	n/a	565 <sup>11</sup> (421) <sup>11</sup>	1650 (2237)	1770 <sup>8</sup> (2400) <sup>8</sup>	2600 (3525)	—	—
– HET	Wide Ratio	n/a	600 <sup>11</sup> (447) <sup>11</sup>	1650 (2237)	1850 <sup>8</sup> (2508) <sup>8</sup>	2600 (3525)	—	—
4700 RDS								
– On-/Off- Highway	Widest Ratio	n/a	565 <sup>11</sup> (421) <sup>11</sup>	1770 (2400)	1850 <sup>9</sup> (2508) <sup>9</sup>	2600 (3525)	—	—
– Refuse	Widest Ratio	n/a	500 (373)	1550 (2102)	n/a	2450 (3322)	—	—
– HET	Widest Ratio	n/a	600 (447)	1850 (2508)	n/a	2600 (3525)	—	—

1 Gross ratings as defined by ISO 1585 or SAE J1995. 2 SEM = engine controls with Shift Energy Management. 3 Turbine torque limit based on ISCAAN standard deductions.  
 4 SEM and torque limiting are required to obtain this rating. 5 Only available for VORTEC 8-1L gasoline powered engine applications.  
 6 Requires Allison Transmission engine-transmission combination approval. Only available in gears three through six. 7 Check with your OEM to ensure offerings.  
 8 Available in gears two through six. 9 Only available in gears four through seven. 10 Only available in gears three through six. 11 With and without torque limiting.

### GEAR RATIOS – TORQUE CONVERTER MULTIPLICATION NOT INCLUDED

MODEL	FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH	SEVENTH	REVERSE	2ND REVERSE
1000/1350/2100/ 2200/2300/2350 RDS	3.10:1	1.81:1	1.41:1	1.00:1	0.71:1	0.61:1 <sup>1</sup>	—	-4.49:1	—
2500/2550 RDS	3.51:1	1.90:1	1.44:1	1.00:1	0.74:1	0.64:1 <sup>1</sup>	—	-5.09:1	—
3000 RDS	3.49:1	1.86:1	1.41:1	1.00:1	0.75:1	0.65:1	—	-5.03:1	—
3500 RDS	4.59:1	2.25:1	1.54:1	1.00:1	0.75:1	0.65:1	—	-5.00:1	—
4000 RDS	3.51:1	1.91:1	1.43:1	1.00:1	0.74:1	0.64:1	—	-4.80:1	—
4500 RDS	4.70:1	2.21:1	1.53:1	1.00:1	0.76:1	0.67:1	—	-5.55:1	—
4700 RDS	7.63:1*	3.51:1	1.91:1	1.43:1	1.00:1	0.74:1	0.64:1	-4.80:1	-17.12:1 <sup>2</sup>

\* Manually selected first gear. 1 Check with your OEM to ensure offerings. 2 SEM/LRTP or LRTP Only is required.

### ENGINE SPEEDS

MODEL	FULL LOAD GOVERNED SPEED Min-Max (rpm)
1000/1350 RDS	2200-3800 <sup>1</sup>
2100/2200 RDS	2200-3800 <sup>1</sup>
2300 RDS	2200-5000 <sup>1</sup>
2350 RDS	2200-3800 <sup>1</sup>
2500 RDS	2200-3800
2550 RDS	2200-3800
3000/3500 RDS	1900-2800
4000/4500/4700 RDS	1700-2300

1 Engines with full-load governed speed greater than 3800 rpm require Application Engineering review.