



## Carrier Speeds *(Manual Transmission – Standard tires)*

Gear	High				Low					Hi Rev.	Lo Rev.	Low Rev. @700 rpm	Low @700 rpm
	8	7	6	5	4	3	2	1	Low	Rev.	Rev.	Low Rev.	Low
Ratio	0.73	1.00	1.38	1.95	2.79	3.83	5.28	7.47	12.57	3.43	13.14	13.14	12.57
Speed	mph	58.92	43.01	31.17	22.06	15.42	11.23	8.15	5.76	3.42	12.54	3.13	1.02
	km/hr.	94.80	69.20	50.15	35.49	24.68	18.07	13.11	9.26	5.51	20.16	5.27	1.64

## Engine

Engine	Cummins ISC 350	Engine	Cummins ISL 330 with Jake Brake
Cylinders – cycle	6 / 4	Cylinders – cycle	6 / 4
Bore	4.49" (114 mm)	Bore	4.49" (114 mm)
Stroke	5.32" (135 mm)	Stroke	5.69" (145 mm)
Displacement	504.5 cu. in. (8 268 cm <sup>3</sup> )	Displacement	540 cu. in. (8 849 cm <sup>3</sup> )
Maximum brake hp.	350 @ 2,000 rpm; 335 @ 2,200 rpm	Maximum brake hp.	346 @ 2,000 rpm; 330 @ 2,100 rpm
Peak torque	1,050 ft. lbs. (1 560 J) @ 1,300 rpm	Peak torque	1,150 ft. lbs. (1 559.2 J) @ 1,300 – 1,400 rpm
Electric system	12-volt neg. ground/12 volt starting	Electric system	12-volt neg. ground / 12 volt starting
Fuel capacity	75 gallons (284 L)	Fuel capacity	75 gallons (284 L)
Alternator	12 volt, 160 amps	Alternator	12 volt, 160 amps
Crankcase capacity	20 qts. (19 L)	Crankcase capacity	29 qts. (28 L)

## Axle Loads

Base machine with standard 33 – 105' (10.06 – 32.00 m) four-section boom, 2M main winch with 2-speed hoisting and power up/down, 450' (137 m), 5/8" (19 mm) wire rope, 8 x 4, 8.5' (2.59 m) carrier with Cummins ISC 350 Engine, 75 gal. (284 L) fuel, aluminum fenders and 4,700 lb. (2 132 kg.) counterweight.	G.V.W. <input type="checkbox"/>		Upper Facing Front			
	lbs.	kg.	Front Axle		Rear Axle	
			lbs.	kg.	lbs.	kg.
	56,724	25 730	17,610	7 988	39,114	17 742
One-quarter tank of diesel fuel	-394	-179	-269	-122	-125	-57
Left side carrier aluminum storage box	57	26	14	6	43	20
Right side carrier aluminum storage box	57	26	14	6	43	20
Cummins ISL-330 engine with engine brake	25	11	23	10	2	1
Six-speed automatic transmission and two-speed auxiliary transmission with engine brake	601	273	266	121	335	152
6 x 6 Drive	2,483	1 126	2,044	927	439	199
Tire and aluminum disc 425/65R22.5 fronts – 11R22.5 rears	-520	-236	-110	-50	-410	-186
Air conditioning – Carrier cab	124	56	135	61	-11	-5
Pintle hook w/air and electrical hook-ups	32	15	-9	-4	41	19
Driver in carrier cab	200	91	236	107	-36	-16
Cab heater assembly w/fuel (diesel)	70	32	-4	-2	74	34
Cab heater assembly (hydraulic)	110	50	-8	-4	118	5
Air conditioning – Operator cab	315	143	-35	-16	350	159
Rear winch roller	77	35	-31	-14	108	49
Front winches with two speeds and 450' (137.2 m) of wire rope	312	141	-93	-43	405	184
Front winch roller	77	35	-22	-10	99	45
Remove rear winch rope (450')	-365	-166	161	73	-526	-239
Remove front winch rope (450')	-365	-166	120	54	-485	-220
360 degree Mechanical House Lock	60	27	-2	-1	62	28
Add 2,000 lbs of counterweight (6,700 lbs. total)	2,000	907	-868	-394	2,868	1 301
Fly brackets to boom base section for fly options	116	53	62	28	54	24
28.5' (8.69 m) offsettable fly w/ATB weight (stowed)	1,184	537	839	381	345	156
28.5' to 51 ft. (8.69 – 15.54 m) offsettable fly w/ATB weight (stowed)	1,757	797	1,141	518	616	279
Floodlight to front of boom base section	10	5	13	6	-3	-1
25-ton (22.7 mt) hookblock stowed behind bumper (3-sheaves)	670	304	784	356	-114	-52
40-ton (36.3 mt) hookblock stowed behind bumper (4-sheaves)	780	354	913	414	-133	-60
Hookball to front bumper	360	163	421	191	-61	-28
Auxiliary arm w/ATB switch to boomhead	110	50	153	69	-43	-20

Adjust gross vehicle weight & axle loading according to component weight. Note: All weights are ± 3%

Axle	Max. Load @ 65 mph. (105 km/h)
Front	22,700 lbs. (10 297 kg) – steel or aluminum disc wheels
Rear	44,000 lbs. (19 958 kg) – steel or aluminum disc wheels