

TM875

72.5 METRIC TON CAP.

85% OF TIPPING

11.0m - 44

FULL POWER

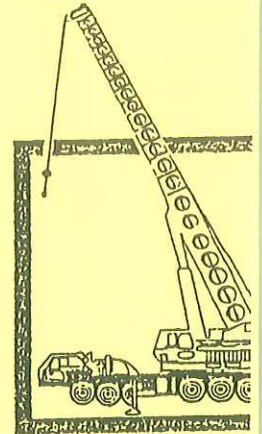
8 x 4 CARI

RATED LIFTING CAPACITIES IN KILOGRAMS

ON OUTRIGGERS FULLY EXTENDED OVER SIDE & REAR

Radius in Meters	Boom Length in Meters							9.7m Ext. + 34.8m **44.5
	11.0	14.9	18.9	22.9	26.8	30.8	34.6	
3.6	72,575 (65.5)	46,720 (72.5)	37,645 (76)	35,380 (78.5)				
4	60,780 (63.5)	46,265 (70.5)	37,195 (75)	35,040 (77.5)				
4.5	54,885 (60.5)	45,585 (68.5)	36,740 (73.5)	34,700 (76)	20,575 (79)			
5	50,345 (57)	44,450 (66.5)	36,560 (71.5)	34,470 (75)	28,165 (78)			
6	43,180 (51)	41,320 (62.5)	36,285 (68.5)	31,750 (72.5)	27,215 (76)	24,490 (77.5)	22,680 (79.5)	
7	36,285 (43.5)	35,925 (58)	33,745 (65)	29,935 (69.5)	25,670 (73.5)	24,130 (75.5)	20,820 (78.5)	
8	31,025 (35.5)	31,025 (53.5)	30,845 (62)	26,850 (67)	23,360 (71.5)	23,220 (73.5)	18,685 (77)	13,605 (79.5)
9	26,830 (25)	26,830 (46.5)	26,830 (58.5)	23,315 (64)	20,410 (69)	19,955 (71.5)	16,735 (75)	12,765 (79)
10		23,315 (43)	21,410 (54.5)	20,410 (61.5)	18,595 (66.5)	16,330 (69.5)	15,305 (73.5)	12,130 (77.5)
12		17,010 (30)	17,010 (47)	16,145 (55.5)	13,880 (61.5)	13,425 (65.5)	12,495 (70)	10,885 (75)
14			12,610 (38)	12,610 (49)	12,610 (56.5)	11,975 (61.5)	10,975 (66)	9,660 (72)
16			9,570 (26.5)	9,570 (42)	9,570 (51.5)	9,570 (57.5)	8,390 (62)	8,300 (69.5)
18				7,665 (34)	7,665 (45.5)	7,665 (53)	7,665 (58)	7,050 (66.5)
20				6,120 (23.5)	6,120 (39)	6,120 (48)	6,120 (54)	6,350 (63.5)
23					4,535 (27)	4,535 (40)	4,535 (47.5)	5,530 (59)
26						3,445 (30)	3,445 (40)	4,570 (54.5)
29						2,560 (14.5)	2,560 (31)	3,445 (49.5)
32							1,860 (19)	2,620 (44)
35								1,885 (37.5)
38								1,245 (30.5)
41								790 (20.5)
43.4								500 (0)

A6-029-002688 & -002690A



!! אבי תובלה
נימ (1991) בע"מ

AVII CRANES SER'
& HEAVY TRANS
(1991) L

ext. boom
(rate
(a))

LIFTING CAPACITY NOTES:

- Capacities appearing above bold line are based on structural strength and tipping should not be relied upon as a capacity limitation. Capacities do not exceed 85% of tipping loads with counterweight fully extended as determined by test in accordance with SAE J-765.
- Capacities for the 11.0m boom length shall be lifted with boom fully retracted. If boom is not fully retracted, capacities shall not exceed those shown for the 14.9m boom length.
- For boom lengths less than 44.5m with 9.7m boom ext. erected, the rated loads are determined by boom angle only in the column headed by 44.5m boom. For boom angles not shown, use rating of next lower boom angle. For this load column, the 9.7m boom extension operational mode is to be selected on the Krueger L.M.J. CAUTION: The Krueger L.M.J. rating will apply for full boom extension only.
- Boom angle is the included angle between horizontal and the longitudinal axis of the boom base section after lifting rated load. (See A6-029-002689 for boom angles.)

A6-029-002686A

CARRIER SPECIFICATIONS

MODEL 8480G - 8 x 4 DRIVE

OUTRIGGERS - Hydraulic double box 2-stage telescoping beam outriggers, Integral welded boxes, removable beams, vertical Jack cylinders with integral holding valves and 30 1/2 in. (775 mm) diameter steel floats. Beams extend to 25 ft. 5 1/2 in. (7.75 m) centerline to centerline retract to 9 ft. 10 in. (3.00 m) overall width. Mechanical spin locks on each vertical Jack to secure outriggers at any level. Controls and slight leveling bubble located in superstructure cab and each side of carrier frame. Powered by superstructure engine.

***FRONT END STABILIZER** - A fifth hydraulic vertical outrigger Jack cylinder with integral holding valve is mounted to the front frame section of the chassis to permit 360° lifting capabilities. Steel float easily removed for highway travel. Individual controls for fifth outrigger cylinder conveniently located in superstructure cab and each side of carrier frame.

FRAME - High strength steel, all welded construction. Box type design with integral outrigger boxes.

STEERING GEAR - Ross TE-72740 Cam and lever type with Garrison hydraulic power assist.

CLUTCH - Lipe Rollway 14 in. (356 mm) two plate dry disc.

TRANSMISSION - Fuller Roadranger (RTO09513) 13 speeds forward and 2 reverse.

UNIVERSAL JOINTS - Needle bearing type.

AXLES - Front: (2) Rockwell tubular steering FL951 100 in. (2.54 m) track, 44,000 lbs. (19 958 kg) capacity.
Rear: (2) Clark BD-57000 planetary drive, 90 in. (2.29 m) track, 85,000 lb. (38 556 kg) capacity.

SUSPENSION - Front: Reyco 21B spring mounted tandem, 44,000 lb. (19 958 kg) capacity.
Rear: Hendrickson solid mount tandem with equalizing beam and solid steel saddles, 85,000 lb. (38 556 kg) capacity.

FUEL TANK - Single 100 gallons (379 liters) capacity mounted on right side of frame.

TIRES - 14:00 x 20 22 PR G-20XZA4 Michelin radial tube-type, Hi-way tread front and rear.

WHEELS - Steel spoke 10 in. x 20 in. (254 mm x 508 mm)

BRAKES - Full air on all wheels.

Front: 15 in. x 6 in. (381 mm x 152 mm)

Rear: 16 1/2 in. x 7 in. (419 mm x 178 mm). Total lining area: 1,672 in.² (10 788 cm²). Air dryer provided to preclude system-damaging moisture accumulation.

PARKING BRAKE - Maxi-type, spring set emergency chambers on both rear axles with emergency release kit.

ELECTRICAL SYSTEM - 12 volt lighting, 24 volt starting. Federal safety standard lights and reflectors.

CAB - One man, all steel, with acoustical treatment, tinted safety glass windshield and windows; windshield washer and electric wiper, door and window locks, Bostrom "T" bar seat, seat belt, dual West Coast Mirror, dome light, dash light, hot water heater, defroster fan, electric horn, traffic hazard warning switch (four-way flasher), full engine instruments and carrier controls, 2 1/2 lb. (1.13 kg) type fire extinguisher. (Air conditioning available).

CAB INSTRUMENTATION - Engine oil pressure gauge, speedometer, air pressure gauge, fuel level gauge, engine water temperature gauge, voltmeter, tachometer, low air pressure audio-visual warning device, high beam indicator, Ignition-on indicator.

MISCELLANEOUS STANDARD EQUIPMENT - Wheel nut wrench and handle; channel type front bumper, two front and rear towing loops, front and rear fenders, ether injector starting aid (less canister) front deck storage trough, mud flaps.

SPEED AND GRADEABILITY

Engine	Speed Ranges @ Max. Governed RPM	% of Gradeability @ Max. Torque
GMBV-71N	2.33 to 45.51 MPH (4 to 73 km/h)	35.33 to .39%
*Cummins NTC350	2.33 to 45.51 MPH (4 to 73 km/h)	40.58 to .66%
*Caterpillar 3406T	2.33 to 45.51 MPH (4 to 73 km/h)	43.75 to .82%

NOTE: Performance based on 119,000 lb. (53 978 kg) GVW and standard SAE engine rating conditions using standard tires, transmissions and axles. Performance data may vary plus or minus 10% due to variations in engine performance and vehicle weights.

*Denotes optional equipment

CARRIER ENGINE SPECIFICATIONS

MAKE & MODEL TYPE	GMBV-71N 6 Cylinder O.H.V. 5.5 in. x 6 in. (140 mm x 152 mm)	Cummins NTC350 8 Cylinder O.H.V. 4.25 in. x 5 in. (108 mm x 127 mm)	Caterpillar 3406T 8 Cylinder O.H.V. 6.4 in. x 6.5 in. (137 mm x 165 mm)
BORE & STROKE	5.5 in. x 6 in. (140 mm x 152 mm)	4.25 in. x 5 in. (108 mm x 127 mm)	6.4 in. x 6.5 in. (137 mm x 165 mm)
DISPLACEMENT	855 cu. in. (14 013 cm ³)	568 cu. in. (9 310 cm ³)	893 cu. in. (14 636 cm ³)
HORSEPOWER (NET) GOVERNED RPM	304 @ 2100 RPM 2100	268 @ 2100 RPM 2100	287 @ 2100 RPM 2100
TORQUE (NET)	914 lbs. ft. (126 kg m) @ 1500 RPM	733 lbs. ft. (101 kg m) @ 1600 RPM	801 lbs. ft. (125 kg m) @ 1200 RPM
ELECTRICAL SYSTEM	12 Volt Neg. Ground	12 Volt Neg. Ground	12 Volt Neg. Ground
COMBUSTION SYSTEM	4 Cycle turbocharged	2 Cycle w/blower	4 Cycle turbocharged
COOLING SYSTEM	Liquid	Liquid	Liquid
FUEL CAPACITY	100 Gallons (379 liters)	100 Gallons (379 liters)	100 Gallons (379 liters)
ALTERNATOR	90 Amp 12 Volt	90 Amp 12 Volt	90 Amp 12 Volt
BATTERY	(4) 12 volt 475 CCA	(4) 12 volt 475 CCA	(4) 12 volt 475 CCA
AIR CLEANER	Dry Type	Dry Type	Dry Type
AIR COMPRESSOR	13.2 CFM	12 CFM	12 CFM
HOURMETER	Yes	Yes	Yes
STARTING SYSTEM	24 Volt	24 Volt	24 Volt

Note: (1) Engine brake (GM & Cummins engines) is optional.

(2) With air conditioning, engine horsepower and performance will be slightly reduced.

• CCA = Cold Cranking Amperage

DIMENSIONS

TURNING RADIUS - 42 ft. 2 1/2 in. (12 865)

GROUND CLEARANCE - 12 in. (with float removed) (305)

TAIL SWING - 12 ft. 1/2 in. (counterweight in travel position) (3670)

TAIL SWING - 14 ft. 1/2 in. (counterweight in working position) (4280)

NOTE: Dimensions shown in parentheses are millimeters (mm)

