



C5540 15 Ton (30,000 Lbs) Battery Powered Carry Deck Crane

GENERAL INFORMATION

Unit weight30,300 lb. (13 772 kg)
Boom elevation 0° - 69°
Outrigger pad size 10.75 in. x 16.50 in.
(273 mm x 419 mm)

SERVICE CAPACITIES

Hydraulic tank 40 gal. (151.4 L)

WINCH

Main winch:

Drum diameter 9.75 in. (248 mm)

Wire rope diameter 1/2 in. (12.7 mm)

6 x 19 EIPS-IWRC wire rope

Wire rope length:

3-Section Boom 240 ft. (73.0 m)

Line speed (Load Dependant Avg). 60 fpm (38.4 m/min)

Line pull, bare drum 12,000 lb. (5448 kg)

Note: Maximum permissible single
line pull 7,500 lb. (3402 kg)

STANDARD EQUIPMENT

- Hydraulic Boom, C5540:
3 section, 18 ft. 6 in. to 41 ft. 0 in. (5.63 m to 12.50 m) from boom pivot pin to boom head pin; 69° boom elevation
- 2 wheel steer/4 wheel steer/crab steer
- 2 wheel drive
- Boom angle indicators (2)
- Anti-skid deck surface
- Double blocking crowd out, winch in and luff down kickout
- Electric horn
- Lights-head, tail, rear work, stop, and turn signals
- All steel cab structure
- Adjustable operator's seat with seat belt
- Front and rear tie down
- Backup alarm
- Wireless load Indicator
- Outriggers - One stage hydraulic telescoping box - front and rear
- 15 ton (13.6 metric ton) double sheave, quick reave drop block
- Rope packer
- All load carrying cylinders include load hold check valves
- Tool box
- Fire extinguisher

Options Included

- Independent outrigger controls (four controls)
- Load moment indicator (LMI) system

HYDRAULIC SYSTEM

Swing system 360° continuous swing system

Swing speed continuous at 1.0 rpm

System pressure 3500 psi (241.3 bars)

HYDRAULIC CYLINDERS

CYCLE TIMES

800 rpm 2500 rpm

Hoist Cylinder (full stroke):

Extend 34 sec.

Retract 28 sec.

Crowd Cylinder (full stroke):

Extend 76 sec.

Retract 44 sec.

Outriggers (individual):

Down 12 sec.

Up 12 sec.

TIRE

Non-Marking

FRONT AXLE

Rigid mounted planetary drive/steer with limited slip differential.

DRAWBAR PULL

Unit equipped with 385/65R22.5 tires and no load on deck:

Forward/Reverse.....9,400 lb. (4272 kg)

REAR AXLE

Two-Wheel Drive

Steer axle pin mounted.

BRAKES

Service Brakes Front and rear, internal wet disc, hydraulic actuated

Parking Brake Spring applied hydraulic released

TURNING SPECIFICATIONS

Turning radius: to center line of outside wheels

Two-wheel steer 21 ft. 6 in. (6.55 m)

Four-wheel steer 12 ft. 4in. (3.76 m)

ELECTRICAL POWER UNIT

72/12 Volt Electrical System

800 Amp/Hour Deep Cycle Battery.

Digital Battery Condition Indicator

Dual 15.5 Hp Prime Mover Pump Motors

Single Aux Pump Drive Motor Steering/Brakes/Outriggers

TRANSMISSION

Hydraulic Seamless Demand Driven 2-Speed Auto Shifting

TRAVEL SPEEDS

Standard tires:

Top Speed on Level Ground6 m.p.h. (9.6 km/h)

MAXIMUM GRADEABILITY

(Paved Surface) - Calculated

(calculated, standard tires)

No load 30%

	Operating Radius	3-Section Boom			
		On Outriggers		On Rubber	
		Front	360°	Front	360°
MAIN BOOM	6' (1.8 m)	30,000 lb. (13 610 kg)	30,000 lb. (13 610 kg)	17,000 lb. (7710 kg)	17,000 lb. (7710 kg)
	8' (2.4 m)	26,200 lb. (11 885 kg)	26,200 lb. (11 885 kg)	13,500 lb. (6125 kg)	14,600 lb. (6620 kg)
	10' (3.0 m)	22,300 lb. (10 115 kg)	22,300 lb. (10 115 kg)	10,700 lb. (4945 kg)	10,880 lb. (4935 kg)
	12' (3.7 m)	18,600 lb. (8435 kg)	18,600 lb. (8435 kg)	8,710 lb. (3950 kg)	8,100 lb. (3675 kg)
	14' (4.3 m)	14,800 lb. (6715 kg)	14,800 lb. (6715 kg)	7,210 lb. (3270 kg)	6,000 lb. (2720 kg)
	15' (4.6 m)	13,000 lb. (5900 kg)	13,000 lb. (5900 kg)	6,600 lb. (2995 kg)	5,250 lb. (2380 kg)
	16' (4.9 m)	12,200 lb. (5535 kg)	12,200 lb. (5535 kg)	6,060 lb. (2750 kg)	4,760 lb. (2160 kg)
	18' (5.5 m)	10,800 lb. (4900 kg)	10,800 lb. (4900 kg)	5,120 lb. (2260 kg)	3,900 lb. (1770 kg)
	20' (6.1 m)	9,630 lb. (4370 kg)	9,180 lb. (4165 kg)	4,370 lb. (1980 kg)	3,190 lb. (1440 kg)
	22' (6.7 m)	8,640 lb. (3920 kg)	7,480 lb. (3395 kg)	3,710 lb. (1685 kg)	2,660 lb. (1210 kg)
	24' (7.5 m)	7,790 lb. (3535 kg)	6,210 lb. (2815 kg)	3,070 lb. (1395 kg)	2,200 lb. (1000 kg)
	26' (7.9 m)	7,040 lb. (3195 kg)	5,310 lb. (2410 kg)	2,620 lb. (1190 kg)	1,820 lb. (825 kg)
	28' (8.5 m)	6,420 lb. (2910 kg)	4,740 lb. (2150 kg)	2,260 lb. (1025 kg)	1,530 lb. (695 kg)
	30' (9.1 m)	5,700 lb. (2585 kg)	4,290 lb. (1945 kg)	1,990 lb. (905 kg)	1,320 lb. (600 kg)
	32' (9.8 m)	5,060 lb. (2295 kg)	3,920 lb. (1780 kg)	1,790 lb. (810 kg)	1,160 lb. (525 kg)
	34' (10.4 m)	4,510 lb. (2045 kg)	3,580 lb. (1625 kg)	1,610 lb. (730 kg)	1,040 lb. (470 kg)
	36' (11.0 m)	4,020 lb. (1825 kg)	3,260 lb. (1480 kg)	1,460 lb. (660 kg)	930 lb. (420 kg)
	37.50' (11.4 m)	3,700 lb. (1680 kg)	3,060 lb. (1387 kg)	1,370 lb. (620 kg)	860 lb. (390 kg)
BOOM EXTENSION	40' (12.2 m)	3,480 lb. (1580 kg)	2,860 lb. (1300 kg)	1,270 lb. (575 kg)	800 lb. (365 kg)
	42' (12.8 m)	3,310 lb. (1500 kg)	2,700 lb. (1225 kg)	1,190 lb. (540 kg)	740 lb. (335 kg)
	44' (13.1 m)	3,130 lb. (1420 kg)	2,560 lb. (1160 kg)	1,120 lb. (510 kg)	690 lb. (315 kg)
	46' (14.0 m)	2,960 lb. (1345 kg)	2,410 lb. (1095 kg)	1,040 lb. (470 kg)	640 lb. (290 kg)
	48.8' (14.9 m)	2,710 lb. (1230 kg)	2,210 lb. (1000 kg)	930 lb. (420 kg)	570 lb. (260 kg)
	52.5' (16.0 m)	2,390 lb. (1080 kg)	1,940 lb. (880 kg)	790 lb. (360 kg)	480 lb. (220 kg)