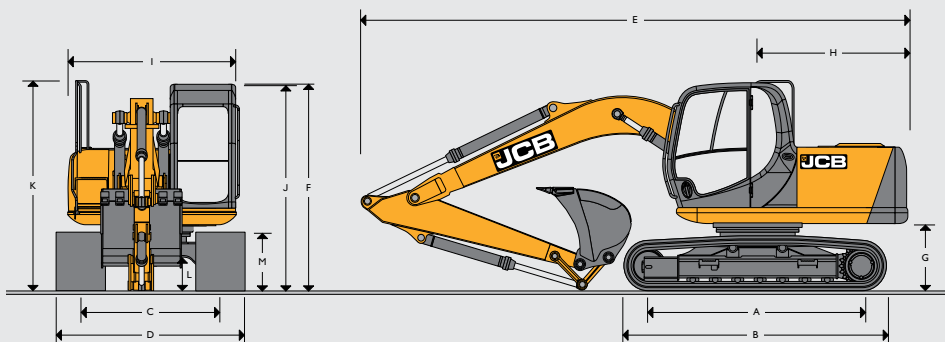


STATIC DIMENSIONS



STATIC DIMENSIONS

A	Track length on ground	ft-in (mm)	9-5 (2,865)			
B	Undercarriage overall length	ft-in (mm)	11-10 (3,605)			
C	Track gauge	ft-in (mm)	6-6 (1,990)			
D	Width over tracks (20 inch trackshoes)	ft-in (mm)	8-2 (2,490)			
D	Width over tracks (24 inch trackshoes)	ft-in (mm)	8-6 (2,590)			
D	Width over tracks (28 inch trackshoes)	ft-in (mm)	8-10 (2,690)			
D	Width over tracks (33 inch trackshoes)	ft-in (mm)	9-4 (2,840)			
Arm lengths			6'11" (2.1)	8'2" (2.5)	8'10" (2.7)	9'10" (3.0)
E	Transport length	ft-in (mm)	24-8 (7,515)	24-6 (7,478)	24-4 (7,420)	23-11 (7,300)
F	Transport height	ft-in (mm)	9-5 (2,867)	9-5 (2,867)	10-6 (3,209)	10-9 (3,289)
G	Counterweight clearance	ft-in (mm)	3-0 (905)			
H	Tail swing radius	ft-in (mm)	7-0 (2,135)			
I	Width of superstructure	ft-in (mm)	7-11 (2,410)			
J	Height over cab	ft-in (mm)	9-4 (2,845)			
K	Height over grab rail	ft-in (mm)	9-5 (2,867)			
L	Ground clearance	ft-in (mm)	1-5 (425)			
M	Track height	ft-in (mm)	2-8 (811)			

ENGINE

Model	JCB EcoMAX 444 TCA 55 EU Stage IIIB, EPA Tier 4 Final compliant.
Type	Water cooled, 4-stroke, 4-cylinder in-line, common rail injection, turbocharged fixed geometry intercooled diesel.
Rated power (ISO 14396)	74 hp (55 kW) @ 1800 RPM
Piston displacement	4.4 liters
Air filtration	Dry.
Starting system	24 V
Batteries	2 x 12 V
Alternator	24 V, 55 amp

SLEW SYSTEM

Slew motor	Axial piston type
Slew brake	Hydraulic braking plus automatic spring applied disc type parking brake.
Slew torque	8,138 lbf (36.2 kNm)
Slew speed	13.3 RPM
Slew gear	Large diameter, internally toothed fully sealed grease bath lubricated.

UNDERCARRIAGE

Recovery point	Front and rear.	
Upper & lower rollers	Heat treated, sealed and lubricated.	
Track adjustment	Grease cylinder type.	
Track type	Sealed and lubricated.	
Track idler	Sealed and lubricated, with spring cushioned recoil.	
Track shoes	20-inch (500 mm) triple grouser	20-inch (500 mm) GEOGRIP
	24-inch (600mm) triple grouser	20-inch (500 mm) Rubber shoes
	28-inch (700 mm) triple grouser	24-inch (600 mm) Rubber shoes
	33-inch (850 mm) triple grouser	
Rollers and Shoes (each side)		
Upper rollers	2	
Lower rollers	7	
Track shoes	44	

TRACK DRIVE

Type	Fully hydrostatic, two speed with autoshift between high and low speed.
Travel motors	Variable swash axial piston type, fully guarded within undercarriage frame.
Final drive	Planetary reduction, bolt-on sprockets.
Servic brake	Hydraulic counter balance valve.
Park brake	Disc type, spring applied, automatic hydraulic release.
Gradeability	70% (35 deg.) continuous.
Travel speed	High – 4.1 mp/h (6.6 km/h)
	Low – 2.4 mp/h (3.8 km/h)
Tractive effort	22,908 lbf (101.9 kNm)

HYDRAULIC SYSTEM

Pumps	
Main pumps	2 variable displacement axial piston type.
Maximum flow	2 x 34.3 gal/min (130 l/min)
Servo pump	Gear type.
Maximum flow	5.3 gal/min (20 L/min)

Control valve

A combined four and five spool control valve with auxiliary service spool as standard

Relief valve settings

Boom/Arm/Bucket	4,554 psi (314 bar)
With power boost	4,975 psi (343 bar)
Swing circuit	4,047 psi (279 bar)
Travel circuit	4,975 psi (343 bar)
Pilot control	580 psi (40 bar)

Filtration

In tank	150 micron, suction strainer.
Main return line	10 micron, glass fibre element.
Pilot line	10 micron, paper element.
Hydraulic hammer return	10 micron, reinforced microform element.

SERVICE CAPACITIES

	Gallons (Litres)
Fuel tank	58 (220)
Engine coolant	5.2 (19.7)
Engine oil	3.7 (14)
Swing reduction gear	0.6 (2.2)
Track reduction gear (each side)	0.9 (3.5)
Hydraulic system	33.3 (126)
Hydraulic tank	19.3 (73)

WEIGHTS AND GROUND BEARING PRESSURES

Shoe Width	Operating Weight	Bearing Pressure
Machine equipped with 15'5" (4.7 m) Monoboomb, 8'2" (2.5 m) Dipper, 944 lb (417 kg) Excavating Bucket, operator and full fuel tank.		
20 inch	30,117 lb (13,661 kg)	6.26 lb/in ² (0.44 kg/sq.com)
24 inch	30,353 lb (13,768 kg)	5.26 lb/in ² (0.37 kg/sq.com)
28 inch	30,591 lb (13,876 kg)	4.55 lb/in ² (0.32 kg/sq.com)
33 inch	30,948 lb (14,038 kg)	3.84 lb/in ² (0.27 kg/sq.com)

BUCKET AND ARM COMBINATION

Bucket options	GP Bucket								Grade Bucket		
Bucket width	in (mm)	24 (600)	28 (700)	31 (800)	39 (1,000)	47 (1,200)	51 (1,300)	60 (1,524)	72 (1,836)	72 (1,836)	72 (1,836)
Bucket capacity	ft ³ (m ³)	12.4 (.35)	14.8 (.42)	17.7 (.50)	23.3 (.66)	28.6 (.81)	31.4 (.89)	23.0 (.65)	27.9 (.79)	27.9 (.79)	27.9 (.79)
Bucket weight	lb (kg)	631 (286)	688 (312)	739 (335)	844 (383)	944 (428)	1,001 (454)	996 (452)	1,129 (512)	1,281 (581)	1,281 (581)
6'11" quick hitch (No quick hitch)		□ (□)	□ (□)	□ (□)	■ (□)	● (■)	● (■)	■ (□)	● (■)	● (■)	● (■)
8'2" quick hitch (No quick hitch)		□ (□)	□ (□)	□ (□)	■ (□)	● (■)	● (●)	■ (■)	● (●)	● (●)	● (●)
8'10" quick hitch (No quick hitch)		□ (□)	□ (□)	□ (□)	■ (■)	● (●)	× (●)	● (■)	● (●)	× (●)	× (●)
9'10" quick hitch (No quick hitch)		□ (□)	□ (□)	□ (□)	● (■)	× (●)	× (●)	● (■)	× (●)	× (●)	× (●)

□ = Material weight up to 112.4 lb/ft³ (1,800 kg/m³).

● = Material weight up to 93.6 lb/ft³ (1,500 kg/m³).

■ = Material weight up to 74.9 lb/ft³ (1,200 kg/m³).

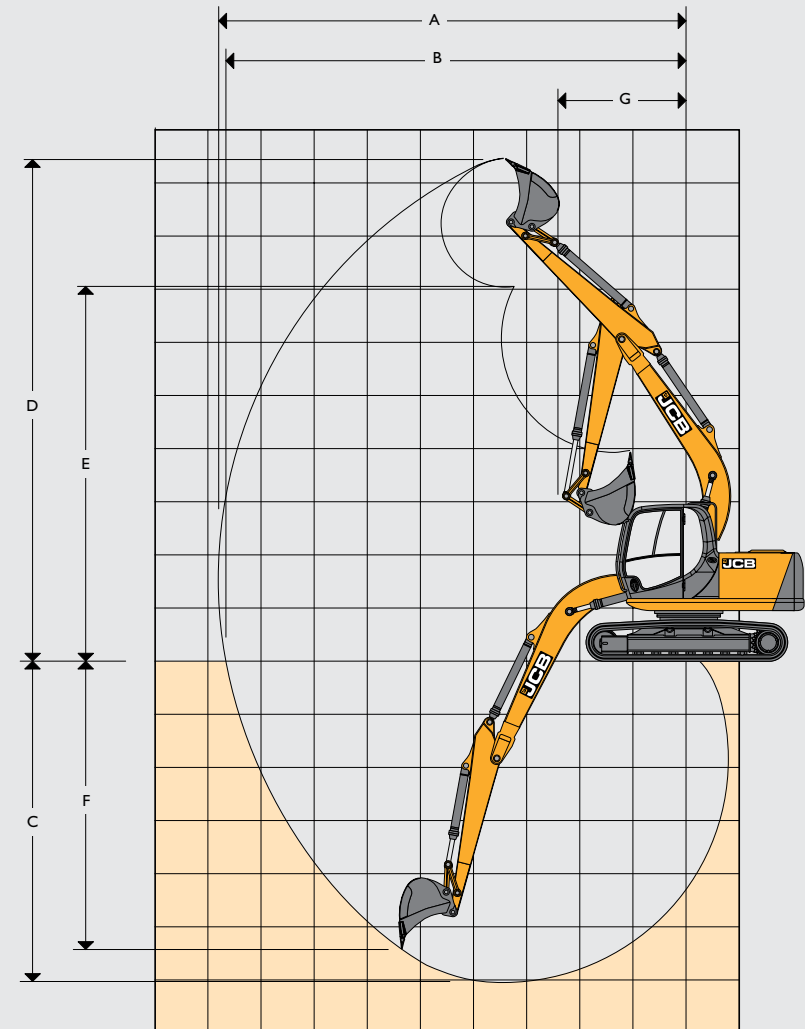
These recommendations are given as a guide based on typical operating conditions.

Please contact your distributor for the correct selection of buckets and attachments to suit the application.

WORKING RANGE

	Dipper length:	6'11" (2.1 m)	8'2" (2.5 m)	8'10" (2.7 m)	9'10" (3.0 m)
A	Maximum digging reach ft-in (mm)	24-8 (7,517)	27-4 (8,340)	28-0 (8,522)	28-10 (8,796)
B	Maximum digging reach (on ground) ft-in (mm)	24-2 (7,356)	26-11 (8,197)	27-6 (8,380)	28-5 (8,660)
C	Maximum digging depth ft-in (mm)	15-9 (4,809)	18-2 (5,530)	17-10 (5,425)	19-9 (6,028)
D	Maximum digging height ft-in (mm)	27-6 (8,375)	29-11 (9,118)	30-4 (9,242)	31-0 (9,440)
E	Maximum dumping height ft-in (mm)	20-1 (6,115)	22-1 (6,729)	22-6 (6,855)	23-1 (7,041)
F	Maximum vertical wall cut depth ft-in (mm)	10-7 (3,219)	11-11 (3,625)	12-2 (3,712)	13-3 (4,050)
G	Minimum swing radius ft-in (mm)	7-8 (2,337)	7-4 (2,231)	8-3 (2,505)	8-6 (2,591)
	Bucket rotation deg	182°	182°	182°	182°
	Maximum dipper tearout lbf (kNm)	16,299 (72.5)	14,523 (64.6)	14,208 (63.2)	13,196 (58.7)
	Maximum bucket tearout lbf (kNm)	20,660 (91.9)	20,660 (91.9)	20,660 (91.9)	20,660 (91.9)

WORKING RANGE



LIFT CAPACITIES – DIPPER LENGTH: 6'11" (2.1 M), 15'5" (4.70 M) MONOBOOM, TRACKSHOES: 20-INCH (500 MM), NO BUCKET**JS131 LC**

Reach	9'10" (3 m)		13'1" (4 m)		16'5" (5 m)		19'8" (6 m)		Capacity at Max Reach		
											
Load Point Ht.	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	ft-in (mm)
19'8" (6 m)			7,121 (3,230)	7,121 (3,230)	7,099 (3,230)	7,099 (3,220)			6,526 (2,960)	6,526 (2,960)	16-5 (5,044)
16'5" (5 m)			7,452 (3,380)	7,452 (3,380)	7,363 (3,340)	7,143 (3,340)			6,085 (2,760)	5,600 (2,540)	19-0 (5,792)
13'1" (4 m)	9,965 (4,520)	9,965 (4,520)	8,576 (3,890)	8,576 (3,890)	7,848 (3,560)	6,989 (3,170)	7,430 (3,370)	5,269 (2,390)	5,908 (2,680)	4,850 (2,200)	20-6 (6,293)
9'10" (3 m)	13,580 (6,160)	13,580 (6,160)	10,229 (4,640)	9,436 (4,280)	8,708 (3,950)	6,790 (3,080)	7,341 (3,330)	5,159 (2,340)	5,908 (2,680)	4,431 (2,010)	21-7 (6,603)
6'7" (2 m)			12,015 (5,450)	8,973 (4,070)	9,458 (4,290)	6,548 (2,970)	7,209 (3,270)	5,049 (2,290)	6,041 (2,740)	4,233 (1,920)	22-1 (6,750)
3'3" (1 m)			12,985 (5,890)	8,642 (3,920)	9,237 (4,190)	6,349 (2,880)	7,077 (3,210)	4,938 (2,240)	5,974 (2,710)	4,167 (1,890)	22-1 (6,745)
0'0" (0 m)	13,492 (6,120)	12,963 (5,880)	12,743 (5,780)	8,444 (3,830)	9,083 (4,120)	6,195 (2,810)	6,989 (3,170)	4,850 (2,200)	6,129 (2,780)	4,277 (1,940)	21-6 (6,587)
(-) 3'3" (1 m)	18,717 (8,490)	12,963 (5,880)	12,676 (5,750)	8,377 (3,800)	9,017 (4,090)	6,151 (2,790)	6,967 (3,160)	4,828 (2,190)	6,570 (2,980)	4,564 (2,070)	20-6 (6,264)
(-) 6'7" (2 m)	17,527 (7,950)	13,051 (5,920)	12,698 (5,760)	8,400 (3,810)	9,039 (4,100)	6,151 (2,790)			7,452 (3,380)	5,159 (2,340)	18-9 (5,749)
(-) 9'10" (3 m)	15,410 (6,990)	13,272 (6,020)	11,927 (5,410)	8,532 (3,870)					8,907 (4,040)	6,349 (2,880)	16-3 (4,979)

LIFT CAPACITIES – DIPPER LENGTH: 8'2" (2.50 M), 15'5" (4.70 M) MONOBOOM, TRACKSHOES: 20-INCH (500 MM), NO BUCKET.**JS131 LC**

Reach	9'10" (3 m)		13'1" (4 m)		16'5" (5 m)		19'8" (6 m)		Capacity at Max Reach		
											
Load Point Ht.	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	ft-in (mm)
19'8" (6 m)			6,173 (2,800)	6,173 (2,800)	6,636 (3,010)	6,636 (3,010)			5,225 (2,370)	5,225 (2,370)	18-2 (5,533)
16'5" (5 m)			6,570 (2,980)	6,570 (2,980)	6,658 (3,020)	6,658 (3,020)	6,856 (3,110)	5,357 (2,430)	4,938 (2,240)	4,938 (2,240)	20-4 (6,221)
13'1" (4 m)	8,510 (3,860)	8,510 (3,860)	7,694 (3,490)	7,694 (3,490)	7,209 (3,270)	7,077 (3,210)	6,989 (3,170)	5,313 (2,410)	4,828 (2,190)	4,431 (2,010)	21-9 (6,689)
9'10" (3 m)	11,905 (5,400)	11,905 (5,400)	9,370 (4,250)	9,370 (4,250)	8,113 (3,680)	6,856 (3,110)	7,385 (3,350)	5,203 (2,360)	4,828 (2,190)	4,079 (1,850)	22-9 (6,982)
6'7" (2 m)	15,719 (7,130)	13,911 (6,310)	11,243 (5,100)	9,083 (4,120)	9,149 (4,150)	6,592 (2,990)	5,247 (2,380)	5,049 (2,290)	4,960 (2,250)	3,902 (1,770)	23-4 (7,121)
3'3" (1 m)	14,043 (6,370)	13,206 (5,990)	12,809 (5,810)	8,686 (3,940)	9,259 (4,200)	6,349 (2,880)	7,077 (3,210)	5,688 (2,580)	5,203 (2,360)	3,836 (1,740)	23-3 (7,116)
0'0" (0 m)	15,057 (6,830)	12,919 (5,860)	12,743 (5,780)	8,422 (3,820)	9,083 (4,120)	6,195 (2,810)	6,967 (3,160)	4,806 (2,180)	5,600 (2,540)	3,924 (1,780)	22-9 (6,967)
(-) 3'3" (1 m)	19,026 (8,630)	12,831 (5,820)	12,610 (5,720)	8,311 (3,770)	8,973 (4,070)	6,085 (2,760)	6,900 (3,130)	4,762 (2,160)	5,974 (2,710)	4,145 (1,880)	21-9 (6,663)
(-) 6'7" (2 m)	18,166 (8,240)	12,897 (5,850)	12,610 (5,720)	8,311 (3,770)	8,951 (4,060)	6,085 (2,760)	9,127 (4,140)	4,784 (2,170)	6,658 (3,020)	4,608 (2,090)	20-3 (6,181)
(-) 9'10" (3 m)	16,446 (7,460)	13,073 (5,930)	11,839 (5,370)	8,400 (3,810)	9,039 (4,100)	6,151 (2,790)			7,981 (3,620)	5,489 (2,490)	18-0 (5,474)

 Lift capacity front and rear.

 Lift capacity full circle.
Notes:

1. For lifting capacity including bucket, subtract total weight of bucket or bucket and quick hitch from above values.
2. Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
3. Lift capacities assume that the machine is on firm, level ground.
4. Lift capacities may be limited by local regulations. Please refer to your dealer.

LIFT CAPACITIES – DIPPER LENGTH: 8'10" (2.70 M), 15'5" (4.70 M) MONOBOOM, TRACKSHOES: 20-INCH (500 MM), NO BUCKET.**JS131 LC**

Reach	9'10" (3 m)		13'1" (4 m)		16'5" (5 m)		19'8" (6 m)		Capacity at Max Reach		
											
Load Point Ht.	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	ft-in (mm)
19'8" (6 m)					6,261 (2,840)	6,261 (2,840)	0	0	5,578 (2,530)	5,578 (2,530)	18-5 (5,653)
16'5" (5 m)			5,997 (2,720)	5,997 (2,720)	5,997 (2,720)	6,217 (2,820)	6,504 (2,950)	5,379 (2,440)	5,269 (2,390)	4,938 (2,240)	20-8 (6,326)
13'1" (4 m)			6,944 (3,150)	6,944 (3,150)	6,702 (3,040)	6,702 (3,040)	6,614 (3,000)	5,247 (2,380)	5,137 (2,330)	4,321 (1,960)	22-3 (6,785)
9'10" (3 m)	10,273 (4,660)	10,273 (4,660)	8,444 (3,830)	8,444 (3,830)	7,518 (3,410)	6,548 (2,970)	7,033 (3,190)	5,049 (2,290)	5,115 (2,320)	3,968 (1,800)	23-2 (7,075)
6'7" (2 m)	13,823 (6,270)	12,522 (5,680)	10,185 (4,620)	8,422 (3,820)	8,488 (3,850)	6,239 (2,830)	6,944 (3,150)	4,872 (2,210)	5,247 (2,380)	3,770 (1,710)	23-7 (7,210)
3'3" (1 m)	16,579 (7,520)	11,993 (5,440)	11,751 (5,330)	8,025 (3,640)	8,686 (3,940)	5,974 (2,710)	6,768 (3,070)	4,696 (2,130)	5,291 (2,400)	3,682 (1,670)	23-6 (7,205)
0'0" (0 m)	17,835 (8,090)	11,773 (5,340)	11,662 (5,290)	7,760 (3,520)	8,466 (3,840)	5,798 (2,630)	6,614 (3,000)	4,564 (2,070)	5,357 (2,430)	3,726 (1,690)	23-2 (7,060)
(-) 3'3" (1 m)	17,923 (8,130)	11,662 (5,290)	11,530 (5,230)	7,650 (3,470)	8,355 (3,790)	5,688 (2,580)	6,548 (2,970)	4,497 (2,040)	5,644 (2,560)	3,902 (1,770)	22-2 (6,759)
(-) 6'7" (2 m)	17,196 (7,800)	11,618 (5,270)	11,486 (5,210)	7,606 (3,450)	8,311 (3,770)	5,644 (2,560)	6,548 (2,970)	4,497 (2,040)	6,195 (2,810)	4,277 (1,940)	20-6 (6,287)
(-) 9'10" (3 m)	15,675 (7,110)	11,640 (5,280)	11,552 (5,240)	7,672 (3,480)	8,400 (3,810)	5,710 (2,590)			7,275 (3,300)	5,004 (2,270)	18-3 (5,592)

LIFT CAPACITIES – DIPPER LENGTH: 9'10" (3.00 M), 15'5" (4.7 M) MONOBOOM, TRACKSHOES: 20-INCH (500 MM), NO BUCKET.**JS131 LC**

Reach	9'10" (3 m)		13'1" (4 m)		16'5" (5 m)		19'8" (6 m)		Capacity at Max Reach		
											
Load Point Ht.	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	lb (kg)	ft-in (mm)
19'8" (6 m)					5,600 (2,540)	5,600 (2,540)	5,556 (2,520)	5,556 (2,460)	4,806 (2,180)	4,806 (2,180)	20-1 (6,113)
16'5" (5 m)					5,754 (2,610)	5,754 (2,610)	5,997 (2,720)	5,997 (2,470)	4,564 (2,070)	4,431 (2,010)	22-1 (6,741)
13'1" (4 m)			6,526 (2,960)	6,526 (2,960)	6,371 (2,890)	6,371 (2,890)	6,261 (2,840)	6,261 (2,430)	4,475 (2,030)	3,946 (1,790)	23-5 (7,175)
9'10" (3 m)	9,833 (4,460)	9,833 (4,460)	8,179 (3,710)	8,179 (3,710)	7,297 (3,310)	6,922 (3,140)	6,790 (3,080)	6,790 (2,370)	4,497 (2,040)	3,660 (1,660)	24-4 (7,448)
6'7" (2 m)	13,691 (6,210)	13,691 (6,210)	10,141 (4,600)	9,215 (4,180)	8,422 (3,820)	6,636 (3,010)	7,231 (3,280)	7,231 (2,290)	4,608 (2,090)	3,505 (1,590)	24-9 (7,578)
3'3" (1 m)	16,843 (7,640)	13,360 (6,060)	11,927 (5,410)	8,730 (3,960)	9,281 (4,210)	6,349 (2,880)	7,055 (3,200)	7,055 (2,220)	4,828 (2,190)	3,461 (1,570)	24-8 (7,574)
0'0" (0 m)	16,557 (7,510)	12,853 (5,830)	12,721 (5,770)	8,400 (3,810)	9,039 (4,100)	6,129 (2,780)	6,922 (3,140)	6,922 (2,160)	5,071 (2,300)	3,505 (1,590)	24-4 (7,434)
(-) 3'3" (1 m)	18,982 (8,610)	12,654 (5,740)	12,500 (5,670)	8,201 (3,720)	8,885 (4,030)	5,997 (2,720)	6,812 (3,090)	6,812 (2,120)	5,335 (2,420)	3,682 (1,670)	23-5 (7,150)
(-) 6'7" (2 m)	18,585 (8,430)	12,632 (5,730)	12,434 (5,640)	8,135 (3,690)	8,818 (4,000)	5,952 (2,700)	6,790 (3,080)	6,790 (2,100)	5,842 (2,650)	4,012 (1,820)	22-0 (6,704)
(-) 9'10" (3 m)	17,372 (7,880)	12,743 (5,780)	12,478 (5,660)	8,179 (3,710)	8,862 (4,020)	5,974 (2,710)	6,856 (3,110)	6,856 (2,130)	6,768 (3,070)	4,652 (2,110)	19-9 (6,060)



Lift capacity front and rear.



Lift capacity full circle.

Notes:

1. For lifting capacity including bucket, subtract total weight of bucket or bucket and quick hitch from above values.
2. Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
3. Lift capacities assume that the machine is on firm, level ground.
4. Lift capacities may be limited by local regulations. Please refer to your dealer.