

SPECIFICATIONS



ENGINE

Model	Isuzu A-6RB1TQA
Type	4-cycle water-cooled, direct injection
Aspiration	Turbocharged
No. of cylinders	6
Rated flywheel	224 kW (305 PS) at 2 000 min ⁻¹ (rpm)
horsepower (DIN 6271, net)	
Rated flywheel	224 kW (301 HP) at 2 000 min ⁻¹ (rpm)
horsepower (SAE J1349, net)	
Maximum torque	1 230 N·m (125 kgf·m, 904 lbf·ft)
	at 1 400 min ⁻¹ (rpm)
Piston displacement	13.74 L (838 in ³)
Bore and stroke	135 mm × 160 mm (5.3" × 6.3")
Batteries	2 × 12 V, 170 AH
Governor	Mechanical, speed control by stepping motor



HYDRAULIC SYSTEM

Hitachi's new ETS (Electronic Total control System) designed for higher job efficiency with less fuel consumption/noise.

Main pumps	2-variable displacement axial piston pumps
Maximum oil flow	2 × 360 L/min
	(95.1 US gpm, 79.3 Imp gpm)
Pilot pump	1 gear pump
Maximum oil flow	33.6 L/min
	(8.9 US gpm, 7.4 Imp gpm)

Hydraulic Motors

Travel	2 axial piston motors with parking brake
Swing	2 axial piston motors

Relief Valve Settings

Implement circuit	29.4 MPa (300 kgf/cm ² , 4 270 psi)
Swing circuit	24.5 MPa (250 kgf/cm ² , 3 560 psi)
Travel circuit	34.3 MPa (350 kgf/cm ² , 4 980 psi)
Pilot circuit	3.9 MPa (40 kgf/cm ² , 570 psi)

Hydraulic Cylinders

Cylinder cushion mechanisms are provided for all cylinders to absorb shock when pistons reach their stroke ends.

Dimensions

	Qty	Bore	Rod diameter
Boom	2	170 mm (6.69")	115 mm (4.53")
Arm	1	190 mm (7.48")	130 mm (5.11")
Bucket	1	170 mm (6.69")	115 mm (4.53")

Hydraulic Filters

All hydraulic circuits use hydraulic filters. A suction filter is built in suction line, and 10 μm full-flow filters in return circuit and swing/travel motor drain lines.



CONTROLS

Pilot controls for all functions. Hitachi original shockless valve and quick warm-up system built in the pilot circuit.

Implement levers	2
Travel levers with pedals	2



UNDERCARRIAGE

Revolving Frame

Welded, sturdy box construction using, heavy-gauge steel plates for ruggedness. D-section frame for resistance to deformation.

Swing Mechanism

Axial piston motor with planetary reduction gear is bathed in oil. Swing circle is single-row, shear-type ball bearing with induction-hardened internal gear. Internal gear and pinion gear are immersed in lubricant. Swing parking brake is spring-set/hydraulic-released disc type. Swing cushion valve built in swing motor absorbs shocks when stopping swing.

Swing speed	9.0 min ⁻¹ (rpm)
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Operator's Cab

Independent, roomy cab, 1 005 mm (40") wide by 1 665 mm (66") high, conforming to ISO* Standards. Reinforced glass windows on 4 sides for excellent visibility. Front windows (upper and lower) are openable and storable in the cab. Adjustable, reclining seat with armrests; movable with or without control levers and monitor panel.

* International Standard Organization

EX450H-5/EX450LCH-5's cab: 1 005 mm (40") wide, 1 820 mm (72") high



UPPERSTRUCTURE

Tracks

Tractor-type undercarriage. Welded track frame, using carefully selected materials for tough jobs. Side frame welded to track frame. Lubricated track rollers, idlers, and sprockets with floating seals. Track shoes with triple grouser made of induction-hardened rolled alloy. Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

Numbers of Rollers and Shoes on Each Side

Upper rollers	2	EX400-5/EX450H-5
	3	EX400LC-5/EX450LCH-5
Lower rollers	8	EX400-5/EX450H-5
	9	EX400LC-5/EX450LCH-5
Track shoes	47	EX400-5/EX450H-5
	53	EX400LC-5/EX450LCH-5
Idler track guard	1	
Track center guard	1	EX400H-5/EX450H-5
		EX450LCH-5
	2	EX400LC-5
H-track center guard (dual type)	1	EX450H-5/EX450LCH-5

Traction Device

Each track driven by axial piston motor through reduction gears for counterrotation of the tracks. Sprockets are replaceable. Parking brake is spring-set/hydraulic-released disc type.

Travel speeds	High: 0 to 5.5 km/h (3.4 mph)
	Low: 0 to 3.4 km/h (2.1 mph)

Maximum traction force

Gradeability

319 kN (32 500 kgf, 71 600 lbf)

35° (70%) continuous

WEIGHTS AND GROUND PRESSURE

Backhoe

EX400-5/EX400LC-5:

Equipped with 7.0 m (23'0") boom, 3.4 m (11'2") arm, and 1.82 m³ (2.38 yd³; PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	41 900 kg (92 400 lb)	78 kPa (0.79 kgf/cm ² , 11.2 psi)
		44 500 kg (98 100 lb)	75 kPa (0.77 kgf/cm ² , 10.9 psi)
	750 mm (30")	43 000 kg (94 800 lb)	63 kPa (0.65 kgf/cm ² , 9.24 psi)
		45 600 kg (100 500 lb)	62 kPa (0.63 kgf/cm ² , 8.96 psi)
	900 mm (35")	43 100 kg (95 000 lb)	53 kPa (0.54 kgf/cm ² , 7.68 psi)
		45 700 kg (100 800 lb)	51 kPa (0.53 kgf/cm ² , 7.39 psi)

Figures in are data on the EX400LC-5.

Note: Depending on the jobsite conditions, 750 mm (30") grouser shoe and 900 mm (35") grouser shoe may not be recommended for rock, hard surface or forestry application.

EX450H-5/EX450LCH-5:

Equipped with 7.0 m (23'0") H-boom, 3.4 m (11'2") H-arm, and 1.82 m³ (2.38 yd³; PCSA heaped) rock bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	43 100 kg (95 000 lb)	80 kPa (0.82 kgf/cm ² , 11.7 psi)
		45 500 kg (100 300 lb)	77 kPa (0.79 kgf/cm ² , 11.2 psi)
	750 mm (30")	44 200 kg (97 400 lb)	66 kPa (0.67 kgf/cm ² , 9.53 psi)
		46 600 kg (102 700 lb)	63 kPa (0.64 kgf/cm ² , 9.10 psi)

Figures in are data on the EX450LCH-5.

Loading Shovel

Equipped with 2.6 m³ (3.40 yd³) bottom dump bucket

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	43 600 kg (96 100 lb)	81 kPa (0.82 kgf/cm ² , 11.7 psi)

Equipped with 2.8 m³ (3.66 yd³) tilt dump bucket

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grousers	600 mm (24")	43 400 kg (95 700 lb)	80 kPa (0.82 kgf/cm ² , 11.7 psi)

Backhoe Buckets

Capacity		Width		No. of teeth	Weight	Recommendation									
PCSA heaped	CECE heaped	Without side cutters	With side cutters			EX400-5				EX400LC-5				EX450H-5	EX450LCH-5
						2.9 m (9'6") arm	3.4 m (11'2") arm	3.9 m (12'10") arm	4.9 m (16'1") arm	2.9 m (9'6") arm	3.4 m (11'2") arm	3.9 m (12'10") arm	4.9 m (16'1") arm	3.4 m (11'2") H-arm	3.4 m (11'2") H-arm
1.36 m ³ (1.78 yd ³)	1.20 m ³	1 280 mm (4'2")	1 410 mm (4'8")	5	1 170 kg (2 580 lb)	—	—	—	●	—	—	—	●	—	—
1.60 m ³ (2.09 yd ³)	1.40 m ³	1 220 mm (4'0")	1 360 mm (4'6")	5	1 460 kg (3 220 lb)	●	●	●	—	●	●	●	—	●	●
1.82 m ³ (2.38 yd ³)	1.60 m ³	1 360 mm (4'6")	1 500 mm (4'11")	5	1 550 kg (3 420 lb)	●	●	□	—	●	●	●	—	●	●
2.07 m ³ (2.71 yd ³)	1.80 m ³	1 490 mm (4'11")	1 630 mm (5'4")	5	1 630 kg (3 590 lb)	●	□	—	—	●	●	□	—	□	●
2.28 m ³ (2.98 yd ³)	2.00 m ³	1 520 mm (5'0")	1 660 mm (5'5")	5	1 780 kg (3 920 lb)	□	—	—	—	●	□	—	—	—	□
*1.82 m ³ (2.38 yd ³)	1.60 m ³	1 400 mm (4'7")	1 420 mm (4'8")	5	1 980 kg (4 370 lb)	●	●	—	—	●	●	—	—	●	●
**1.36 m ³ (1.78 yd ³)	1.20 m ³	1 170 mm (3'10")	—	1	2 330 kg (5 140 lb)	●	●	—	—	●	●	—	—	●	●
One-point ripper					1 260 kg (2 780 lb)	●	●	—	—	●	●	—	—	●	●

*1 Rock bucket

*2 Ripper bucket

• 1.82 m³ (2.38 yd³) rock bucket equipped with side shroud.

• EX450H-5 and EX450LCH-5 equipped with H-front.

Loading Shovel Buckets

Capacity	Max. width	No. of teeth	Weight	Type
2.3 m ³ (3.01 yd ³)	1 860 mm (6'1")	6	3 380 kg (7 450 lb)	Bottom dump type rock bucket
2.6 m ³ (3.40 yd ³)	2 030 mm (6'8")	6	3 050 kg (6 730 lb)	Bottom dump type general purpose bucket
2.6 m ³ (3.40 yd ³)	1 900 mm (6'3")	6	2 740 kg (6 040 lb)	Tilt dump type rock bucket
2.8 m ³ (3.66 yd ³)	2 000 mm (6'7")	6	2 820 kg (6 220 lb)	Tilt dump type general purpose bucket



SERVICE REFILL CAPACITIES

	liters	US gal	Imp gal
Fuel tank	605.0	159.8	133.1
Engine coolant	45.0	11.9	9.9
Engine oil	50.0	13.2	11.0
Pump drive	1.6	0.4	0.4
Swing mechanism	8.2	4.3	3.6
(each side)			
Travel final device	10.0	5.3	4.4
(each side)			
Hydraulic system	520.0	137.4	114.4
Hydraulic tank	268.0	70.8	59.0



BACKHOE ATTACHMENTS

Boom and arms of all-welded, box-section design. 7.0 m (23'0") boom, 2.9 m (9'6"), 3.4 m (11'2"), 3.9 m (12'10") and 4.9 m (16'1") arms are available. Bucket is of all-welded, high-strength steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

EX400H-5/EX400LCH-5: The EX450H-5 and EX450LCH-5 are heavy-duty type featuring the reinforced H-boom and H-arm, and 1.82 m³ (2.38 yd³; PCSA heaped) rock bucket.



LOADING SHOVEL ATTACHMENTS

Boom and arm are of all-welded, low-stress full-box section design. Efficient, automatic horizontal crowding achieved by one-lever control because the parallel link mechanism keeps the bucket digging angle constant, and the level cylinder circuit maintains the bucket height constant.

● Suitable for materials with density of 2 000 kg/m³ (3 370 lb/yd³) or less

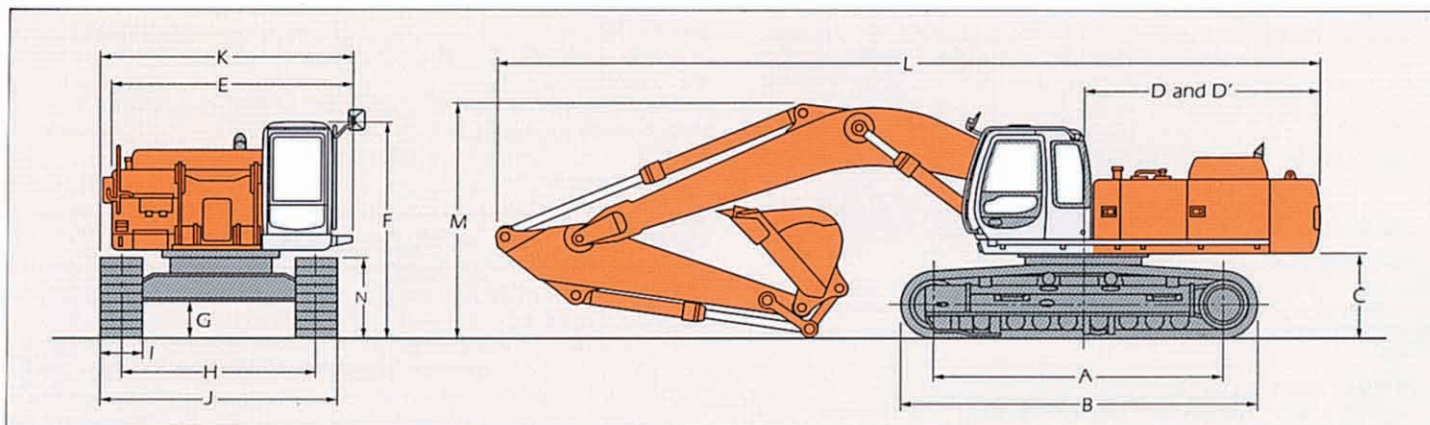
○ Suitable for materials with density of 1 600 kg/m³ (2 700 lb/yd³) or less

● Heavy-duty service

— Not recommended

BACKHOE EX400-5 / EX400LC-5

DIMENSIONS

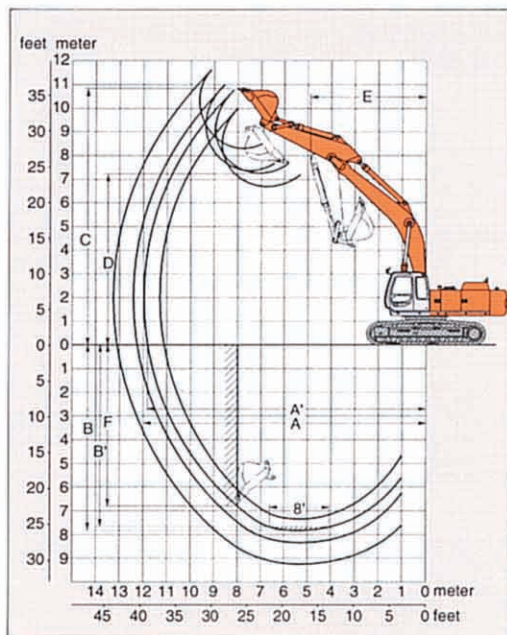


	EX400-5	EX400LC-5
A Distance between tumblers	4 050 mm (13'3")	4 470 mm (14'8")
B Undercarriage length	5 050 mm (16'7")	5 470 mm (17'11")
*C Counterweight clearance	1 230 mm (4'0")	1 350 mm (4'5")
D Rear-end swing radius		3 470 mm (11'5")
D' Rear-end length		3 450 mm (11'4")
E Overall width of upperstructure		3 610 mm (11'10")
F Overall height of cab	3 160 mm (10'5")	3 280 mm (10'9")
*G Min. ground clearance	496 mm (19.5")	735 mm (28.9")
H Track gauge	2 740 mm (9'0")	—
Extended / Retracted	—	2 890 mm (9'6") / 2 390 mm (7'10")
I Track shoe width	G 600 mm (24")	G 750 mm (30")
J Undercarriage width	3 340 mm (10'11")	—
Extended / Retracted	—	3 640 mm (11'11") / 3 140 mm (10'4")
K Overall width	3 670 mm (12'0")	3 750 mm (12'4")
L Overall length	11 820 mm (38'9")	11 790 mm (38'8")
M Overall height of boom	3 450 mm (11'4")	3 480 mm (11'5")
N Track height	1 140 mm (3'9")	1 220 mm (4'0")

Notes: 1. Equipped with 3.4 m (11'2") arm.
2. *Excluding track shoe lug.

G: Triple grouser shoe

WORKING RANGES

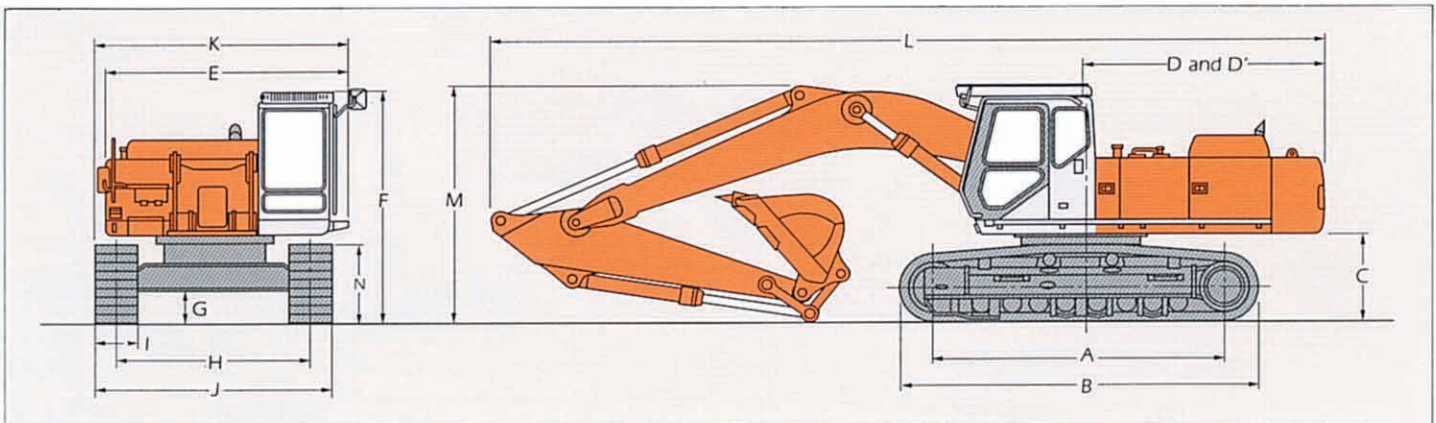


Arm length		2.9 m (9'6")		3.4 m (11'2")		3.9 m (12'10")		4.9 m (16'1")	
Type of undercarriage		EX400-5	EX400LC-5	EX400-5	EX400LC-5	EX400-5	EX400LC-5	EX400-5	EX400LC-5
A	Max. digging reach	11 390 mm (37'4")	11 420 mm (37'6")	12 050 mm (39'6")	12 480 mm (40'11")	13 380 mm (43'11")	13 180 mm (43'3")	13 380 mm (43'11")	13 180 mm (43'3")
A'	Max. digging reach (on ground)	11 180 mm (36'8")	11 190 mm (36'9")	11 860 mm (38'11")	11 810 mm (38'9")	12 290 mm (40'4")	12 270 mm (40'3")	13 200 mm (43'4")	13 180 mm (43'3")
B	Max. digging depth	7 390 mm (24'3")	7 300 mm (23'11")	7 890 mm (25'11")	7 760 mm (25'6")	8 390 mm (27'6")	8 260 mm (27'1")	9 240 mm (30'4")	9 110 mm (29'11")
B'	Max. digging depth (B' level)	7 190 mm (23'7")	7 100 mm (23'4")	7 750 mm (25'5")	7 620 mm (25'0")	8 260 mm (27'1")	8 130 mm (26'8")	9 120 mm (29'11")	9 000 mm (29'6")
C	Max. cutting height	10 150 mm (33'4")	10 270 mm (33'8")	10 950 mm (35'11")	11 080 mm (36'4")	11 050 mm (36'3")	11 180 mm (36'8")	11 730 mm (38'6")	11 850 mm (38'11")
D	Max. dumping height	6 910 mm (22'8")	7 040 mm (23'1")	7 540 mm (24'9")	7 660 mm (25'2")	7 660 mm (25'2")	7 780 mm (25'6")	8 640 mm (28'4")	8 770 mm (28'9")
E	Min. swing radius	4 920 mm (16'2")	4 840 mm (15'11")	4 840 mm (15'11")	4 810 mm (15'9")	4 810 mm (15'9")	4 810 mm (15'9")	4 820 mm (15'10")	4 820 mm (15'10")
F	Max. vertical wall	5 460 mm (17'11")	4 780 mm (15'8")	6 780 mm (22'3")	6 660 mm (21'10")	7 170 mm (23'6")	7 040 mm (23'1")	8 580 mm (28'2")	8 450 mm (27'9")
Bucket digging force*	ISO	249 kN (25 400 kgf, 56 000 lbf)	228 kN (23 200 kgf, 51 200 lbf)	251 kN (25 600 kgf, 56 400 lbf)	229 kN (23 400 kgf, 51 600 lbf)	251 kN (25 600 kgf, 56 400 lbf)	226 kN (23 000 kgf, 50 700 lbf)	208 kN (19 000 kgf, 41 900 lbf)	186 kN (15 900 kgf, 35 100 lbf)
	SAE: PCSA	225 kN (22 900 kgf, 50 500 lbf)	228 kN (23 200 kgf, 51 200 lbf)	229 kN (23 400 kgf, 51 600 lbf)	194 kN (19 800 kgf, 43 700 lbf)	226 kN (23 000 kgf, 50 700 lbf)	176 kN (17 900 kgf, 39 500 lbf)	156 kN (15 900 kgf, 35 100 lbf)	152 kN (15 500 kgf, 34 000 lbf)
Arm digging force*	ISO	228 kN (23 200 kgf, 51 200 lbf)	221 kN (22 500 kgf, 49 600 lbf)	194 kN (19 800 kgf, 43 700 lbf)	189 kN (19 300 kgf, 42 500 lbf)	176 kN (17 900 kgf, 39 500 lbf)	172 kN (17 500 kgf, 38 600 lbf)	156 kN (15 900 kgf, 35 100 lbf)	152 kN (15 500 kgf, 34 000 lbf)
	SAE: PCSA	221 kN (22 500 kgf, 49 600 lbf)	228 kN (23 200 kgf, 51 200 lbf)	189 kN (19 300 kgf, 42 500 lbf)	189 kN (19 300 kgf, 42 500 lbf)	172 kN (17 500 kgf, 38 600 lbf)	172 kN (17 500 kgf, 38 600 lbf)	152 kN (15 500 kgf, 34 000 lbf)	152 kN (15 500 kgf, 34 000 lbf)

Excluding track shoe lug

EX450H-5 / EX450LCH-5

DIMENSIONS

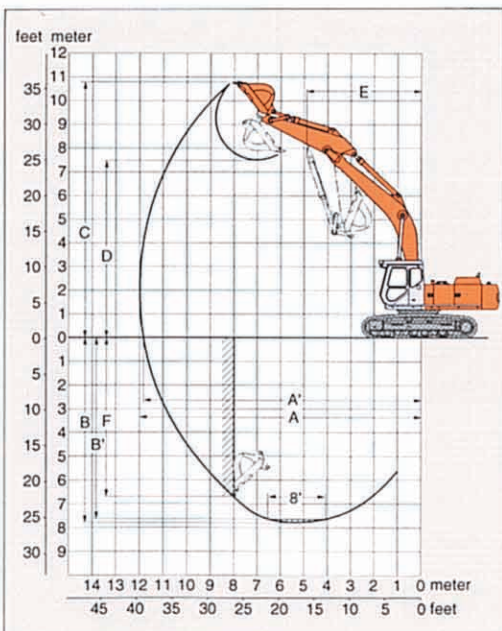


	EX450H-5	EX450LCH-5
A Distance between tumblers	4 050 mm (13'3")	4 470 mm (14'8")
B Undercarriage length	5 050 mm (16'7")	5 470 mm (17'11")
*C Counterweight clearance	1 230 mm (4'0")	1 350 mm (4'5")
D Rear-end swing radius		3 470 mm (11'5")
D' Rear-end length		3 450 mm (11'4")
E Overall width of upperstructure		3 610 mm (11'10")
F Overall height of cab	3 310 mm (10'10")	3 430 mm (11'3")
*G Min. ground clearance	496 mm (19.5")	735 mm (28.9")
H Track gauge	2 740 mm (9'0")	—
Extended/Retracted	—	2 890 mm (9'6")/2 390 mm (7'10")
I Track shoe width		G 600 mm (24")
J Undercarriage width	3 340 mm (10'11")	—
Extended/Retracted	—	3 490 mm (11'5")/2 990 mm (9'10")
K Overall width	3 670 mm (12'0")	3 750 mm (12'4")
L Overall length	11 820 mm (38'9")	11 790 mm (38'8")
M Overall height of boom	3 450 mm (11'4")	3 480 mm (11'5")
N Track height	1 140 mm (3'9")	1 210 mm (4'0")

Notes: 1. Equipped with 3.4 m (11'2") H-arm and H-boom.
2. *Excluding track shoe lug.

G: Triple grouser shoe

WORKING RANGES

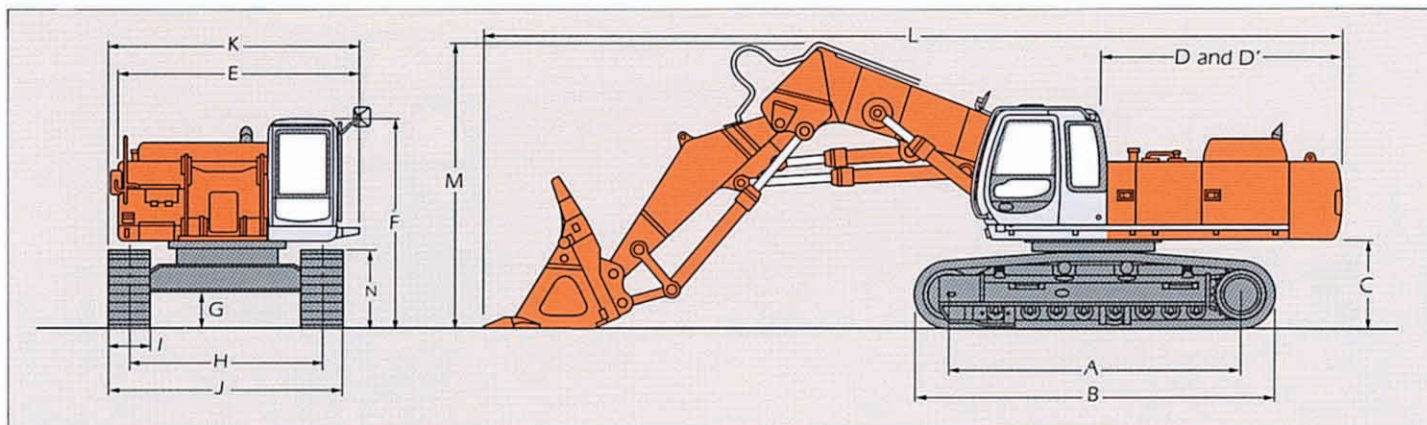


Arm length		3.4 m (11'2") H-arm	
Type of undercarriage		EX450H-5	EX450LCH-5
A	Max. digging reach	12 050 mm (39'6")	
A'	Max. digging reach (on ground)	11 860 mm (38'11")	11 810 mm (38'9")
B	Max. digging depth	7 890 mm (25'11")	7 760 mm (25'6")
B'	Max. digging depth (B' level)	7 750 mm (25'5")	7 620 mm (25'0")
C	Max. cutting height	10 950 mm (35'11")	11 080 mm (36'4")
D	Max. dumping height	7 540 mm (24'9")	7 660 mm (25'2")
E	Min. swing radius	4 840 mm (15'11")	
F	Max. vertical wall	6 780 mm (22'3")	6 660 mm (21'10")
Bucket digging force	ISO	261 kN (26 600 kgf, 58 700 lbf)	
	SAE: PCSA	233 kN (23 800 kgf, 52 500 lbf)	
Arm digging force	ISO	196 kN (20 000 kgf, 44 100 lbf)	
	SAE: PCSA	191 kN (19 500 kgf, 42 500 lbf)	

Excluding track shoe lug.

LOADING SHOVEL EX400-5

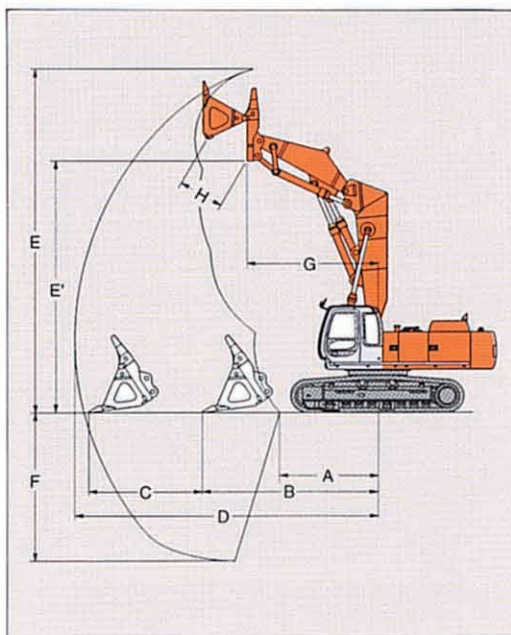
DIMENSIONS



	EX400-5
A Distance between tumblers	4 050 mm (13'3")
B Undercarriage length	5 050 mm (16'7")
*C Counterweight clearance	1 230 mm (4'0")
D Rear-end swing radius	3 470 mm (11'5")
D' Rear-end length	3 450 mm (11'4")
E Overall width of upperstructure	3 610 mm (11'10")
F Overall height of cab	3 160 mm (10'5")
*G Min. ground clearance	496 mm (19.5")
H Track gauge	2 740 mm (9'0")
I Track shoe width	600 mm (24")
J Undercarriage width	3 340 mm (10'11")
K Overall width	3 670 mm (12'0")
L Overall length	11 900 mm (39'1")
M Overall height of boom	4 000 mm (13'1")
N Track height	1 140 mm (3'9")

Note: *Excluding track shoe lug.

WORKING RANGES



Type of bucket	Bottom dump type	Tilt dump type
A Min. digging distance	2 860 mm (9'5")	2 360 mm (7'9")
B Min. level crowding distance	5 070 mm (16'8")	5 030 mm (16'6")
C Level crowding distance	3 340 mm (10'11")	3 370 mm (11'1")
D Max. digging reach	8 760 mm (28'9")	8 720 mm (28'7")
E Max. cutting height	9 940 mm (32'7")	9 900 mm (32'6")
E' Max. dumping height	7 370 mm (24'2")	4 290 mm (14'1")
F Max. digging depth	4 260 mm (14'0")	4 230 mm (13'10")
G Working radius at max. dumping height	3 760 mm (12'4")	4 460 mm (14'8")
H Max. bucket opening width	1 390 mm (4'7")	—
Crowding force	296 kN (30 200 kgf, 66 600 lbf)	305 kN (31 100 kgf, 68 600 lbf)
Breakout force	271 kN (27 600 kgf, 60 900 lbf)	259 kN (26 400 kgf, 58 200 lbf)



STANDARD EQUIPMENT

Standard equipment may vary by country, so please consult your Hitachi dealer for details.

ENGINE

- 40 A alternator
- Dry-type air filter with evacuator valve
- Cartridge-type engine oil filter
- Cartridge type engine oil bypass filter
- Cartridge type fuel filter
- Radiator and oil cooler with dust protective net
- Radiator reserve tank
- Fan guard
- Isolation-mounted engine
- Auto-idling system

HYDRAULIC SYSTEM

- ETS
- E-P control system (power mode selector)
- OHS
- FPS
- Hydraulic warm-up control system for hydraulic oil
- Quick warm-up system for pilot circuit
- Shockless valve in pilot circuit
- Swing cushion valve in swing circuit
- Accumulator in pilot circuit
- Control valve with main relief valve
- Extra port for control valve
- Suction filter

- Full-flow filter
- Pilot filter

CAB

All-weather sound-suppressed steel cab equipped with reinforced, tinted (bronze color) glass windows, openable front windows-upper, with assist spring, and lower and both side windows with intermittent windshield wipers, front window washer, curved rear window, side mirror, adjustable suspension seat with armrests, footrest, electric double horn, auto-tuning radio with digital clock, or without digital clock in North America, auto-idle switch, seat belt, cigarette lighter, ashtray, parcel pocket, rear tray, floor mat, and pilot control shut-off lever.

MONITOR SYSTEM

- Meters: Hourmeter, engine coolant temperature gauge and fuel meter.
- Warning lamps: Alternator charge, engine oil pressure, engine overheat, air cleaner clog and minimum fuel level.

- Pilot lamps: Engine preheat, engine oil level, engine coolant level and hydraulic oil level.
- Alarm buzzers: Engine oil pressure and engine overheat

LIGHTS

- 2 working lights and 1 cab light

UPPERSTRUCTURE

- Undercover
- 9 300 kg (20 500 lb) counterweight
- Fuel level gauge
- Hydraulic oil level gauge
- Tool box
- Utility space
- Rearview mirror
- Swing parking brake

UNDERCARRIAGE

- Travel parking brake
- Travel motor covers
- Track guards and hydraulic track adjuster
- Bolt-on sprocket
- Upper rollers and lower rollers
- Reinforced track links with pin seals
- 600 mm (24") triple grouser shoes
- Idler track guard
- Track center guard

FRONT ATTACHMENTS

- Bucket clearance adjust mechanism
- Monolithically cast bucket link A
- Centralized lubrication system
- Dirt seals on all bucket pins
- 3.4 m (11'2") arm
- 1.82 m³ (2.38 yd³): PCSA heaped bucket

MISCELLANEOUS

- Standard tool kit
- Lockable machine covers
- Fuel filling cap
- Skid-resistant tapes, left sidewalk and handrails.

EX450H-5/EX450LCH-5 (Heavy-duty version)

- Headguard-integrated cab
- H-boom 7.0 m (23'0")
- H-arm 3.4 m (11'2")
- 1.82 m³ (2.38 yd³): PCSA heaped rock bucket
- Reinforced undercover for upperstructure
- Reinforced side steps
- H-track center guard (dual type)



OPTIONAL EQUIPMENT

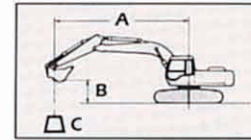
Optional equipment may vary by country, so please consult your Hitachi dealer for details.

- 750 mm (30") triple grouser shoes
- 900 mm (35") triple grouser shoes
- H-track center guard (dual type)
- Full track guard
- Air conditioner (fresh air induction)
- Hot & cool box
- Electric grease gun with hose reel

- Hose rupture valve
- Swing alarm with lamps
- Travel alarm with cancel switch
- Ladder
- Electric fuel refilling pump
- Headguard-integrated cab
- H-boom 7.0 m (23'0")

- H-arm 3.4 m (11'2")
- 1.82 m³ (2.38 yd³): PCSA heaped rock bucket
- H-track center guard
- Reinforced undercover for upperstructure
- Reinforced side steps

LIFTING CAPACITIES



A: Load radius
B: Load point height
C: Lifting capacity

METRIC MEASURE

EX400-5



Rating over-side or 360 degrees



Rating over-front

Unit: 1 000 kg (1 000 lb)

Conditions	Load point height m (ft in)	Load radius																m (ft in)		At max. reach		
		4 (13'1")		5 (16'5")		6 (19'8")		7 (23'0")		8 (26'3")		9 (29'6")		10 (32'10")		11 (36'1")		12 (39'4")		m (ft in)	@	m (ft in)
																						
Boom 7.0 m (23'0") Arm 2.9 m (9'6") Bucket PCSA: 2.07 m ³ (2.71 yd ³) CECE: 1.80 m ³ Shoes 600 mm (24")	8 (26'3")																		5.49 (12.1)	*5.98 (13.2)	9.21 (30'3")	
	7 (23'0")									6.95 (15.3)	*8.11 (17.9)								4.71 (10.4)	*5.96 (13.1)	9.82 (32'2")	
	6 (19'8")									6.95 (15.3)	*8.69 (19.2)								4.71 (10.4)	*4.08 (9.0)		
									*8.75 (19.3)	*8.75 (19.3)	6.86 (15.1)	*8.23 (18.1)							4.18 (9.2)	*6.01 (13.3)	10.27 (33'8")	
									8.84 (19.5)	*9.36 (20.6)	6.86 (15.1)	*8.82 (19.4)							4.18 (9.2)	*4.07 (9.0)		
	4 (13'1")			14.07 (31.0)	*14.51 (32.0)	10.53 (23.2)	*11.78 (26.0)	8.15 (18.0)	*10.14 (22.4)	6.44 (14.2)	*9.05 (19.9)	5.14 (11.3)	8.19 (18.1)						3.57 (7.9)	*5.90 (13.0)	10.79 (35'5")	
				14.07 (31.0)	*15.47 (34.1)	10.53 (23.2)	*12.59 (27.8)	8.15 (18.0)	*10.85 (23.9)	6.44 (14.2)	*9.70 (21.4)	5.14 (11.3)	8.19 (18.1)						3.57 (7.9)	*4.19 (9.2)		
	2 (6'7")					9.33 (20.6)	*14.20 (31.3)	7.37 (16.3)	*11.72 (25.8)	5.92 (13.1)	9.56 (21.1)	4.81 (10.6)	7.83 (17.3)						3.35 (7.4)	*5.64 (12.4)	10.86 (35'7")	
						9.33 (20.6)	*15.13 (33.3)	7.37 (16.3)	11.90 (26.2)	5.92 (13.1)	9.56 (21.1)	4.81 (10.6)	7.83 (17.3)						3.05 (6.7)	*4.52 (10.0)		
	0 (Ground)			11.57 (25.5)	*16.17 (35.6)	8.70 (19.2)	14.56 (32.1)	6.86 (15.1)	11.33 (25.0)	5.43 (12.0)	9.14 (20.1)	4.54 (10.0)	7.54 (16.6)						3.47 (7.6)	5.87 (12.9)	10.49 (34'5")	
				11.57 (25.5)	*17.11 (37.7)	8.70 (19.2)	14.56 (32.1)	6.86 (15.1)	11.33 (25.0)	5.43 (12.0)	9.14 (20.1)	4.54 (10.0)	7.54 (16.6)						3.47 (7.6)	5.87 (12.9)		
	-2 (-6'7")			17.27 (38.1)	*17.27 (38.1)	11.61 (25.6)	*16.98 (37.4)	8.57 (18.9)	14.41 (31.8)	6.69 (14.7)	11.14 (24.6)	5.39 (11.9)	8.98 (19.8)	4.45 (9.8)	7.44 (16.4)				4.06 (8.9)	6.77 (14.9)	9.63 (31'7")	
			17.33 (38.2)	*18.27 (40.3)	11.61 (25.6)	*18.16 (40.0)	8.57 (18.9)	14.41 (31.8)	6.69 (14.7)	11.14 (24.6)	5.39 (11.9)	8.98 (19.8)	4.45 (9.8)	7.44 (16.4)				4.06 (8.9)	6.77 (14.9)			
-4 (-13'1")			15.86 (35.0)	*15.86 (35.0)	11.91 (26.3)	*14.24 (31.4)	8.76 (19.3)	*12.38 (27.3)	6.82 (15.0)	*10.57 (23.3)	5.53 (12.2)	*8.79 (19.4)										
			17.01 (37.5)	*17.01 (37.5)	11.91 (26.3)	*15.27 (33.7)	8.76 (19.3)	*13.29 (29.3)	6.82 (15.0)	11.29 (24.9)	5.53 (12.2)	9.13 (20.1)										
-6 (-19'8")							*7.50 (16.5)	*7.50 (16.5)														
							*8.13 (17.9)	*8.13 (17.9)														
Boom 7.0 m (23'0") Arm 3.4 m (11'2") Bucket PCSA: 1.82 m ³ (2.38 yd ³) CECE: 1.60 m ³ Shoes 600 mm (24")	8 (26'3")									*6.84 (15.1)	*6.84 (15.1)								*3.86 (8.5)	*3.86 (8.5)	10.01 (32'10")	
										7.19 (15.8)	*7.28 (16.0)								*4.14 (9.1)	*4.14 (9.1)		
	7 (23'0")									7.19 (15.8)	*7.59 (16.7)	5.59 (12.3)	*5.40 (11.9)						*3.80 (8.4)	*3.80 (8.4)	10.56 (34'8")	
										7.19 (15.8)	*8.13 (17.9)	5.59 (12.3)	*5.76 (12.7)						*4.08 (9.0)	*4.08 (9.0)		
	6 (19'8")									7.08 (15.6)	*7.79 (17.2)	5.57 (12.3)	*7.52 (16.6)						3.72 (8.2)	*3.79 (8.4)	10.97 (36'0")	
										7.08 (15.6)	*8.35 (18.4)	5.57 (12.3)	*8.07 (17.8)						3.72 (8.2)	*4.07 (9.0)		
	4 (13'1")			13.43 (29.6)	*13.43 (29.6)	10.91 (24.1)	*11.15 (24.6)	8.41 (18.5)	*9.70 (21.4)	6.64 (14.6)	*8.72 (19.2)	5.32 (11.7)	*8.03 (17.7)	4.26 (9.4)	6.86 (15.1)				3.23 (7.1)	*3.90 (8.6)	11.45 (37'7")	
				14.31 (31.5)	*14.31 (31.5)	10.91 (24.1)	*11.90 (26.2)	8.41 (18.5)	*10.38 (22.9)	6.64 (14.6)	*9.35 (20.6)	5.32 (11.7)	8.37 (18.5)	4.26 (9.4)	6.86 (15.1)				3.23 (7.1)	*4.19 (9.2)		
	2 (6'7")			12.65 (27.9)	*17.64 (38.9)	9.68 (21.3)	*13.77 (30.4)	7.62 (16.8)	*11.43 (25.2)	6.11 (13.5)	9.75 (21.5)	4.96 (10.9)	7.99 (17.6)	4.04 (8.9)	6.63 (14.6)				3.05 (6.7)	*4.21 (9.2)	11.52 (37'10")	
				12.65 (27.9)	*18.81 (41.5)	9.68 (21.3)	*14.71 (32.4)	7.62 (16.8)	12.17 (26.8)	6.11 (13.5)	9.75 (21.5)	4.96 (10.9)	7.99 (17.6)	4.04 (8.9)	6.63 (14.6)				3.05 (6.7)	*4.52 (10.0)		
	0 (Ground)			11.79 (26.0)	*16.72 (36.9)	8.92 (19.7)	14.80 (32.6)	7.04 (15.5)	11.52 (25.4)	5.68 (12.5)	9.49 (20.9)	4.65 (10.3)	7.66 (16.9)	3.84 (8.5)	6.41 (14.1)				3.15 (6.9)	*4.77 (10.5)	11.18 (36'8")	
				11.79 (26.0)	*17.69 (39.0)	8.92 (19.7)	14.80 (32.6)	7.04 (15.5)	11.52 (25.4)	5.68 (12.5)	9.49 (20.9)	4.65 (10.3)	7.66 (16.9)	3.84 (8.5)	6.41 (14.1)				3.15 (6.9)	*5.10 (11.2)		
-2 (-6'7")			14.7 (32.5)	*14.7 (32.5)	11.65 (25.7)	*17.89 (39.4)	8.68 (19.1)	14.52 (32.0)	6.79 (15.0)	11.24 (24.8)	5.47 (12.1)	9.06 (20.0)	4.50 (9.9)	7.50 (16.5)	6.34 (14.0)			3.61 (8.0)	*5.74 (12.7)	10.39 (34'1")		
			15.6 (34.4)	*15.6 (34.4)	11.65 (25.7)	*19.11 (42.1)	8.68 (19.1)	14.52 (32.0)	6.79 (15.0)	11.24 (24.8)	5.47 (12.1)	9.06 (20.0)	4.50 (9.9)	7.50 (16.5)	6.34 (14.0)			3.61 (8.0)	*6.04 (13.3)			
-4 (-13'1")			17.6 (38.9)	*17.9 (39.4)	11.90 (26.2)	*15.49 (34.2)	8.78 (19.4)	*13.25 (29.2)	6.84 (15.1)	*11.28 (24.9)	5.52 (12.2)	9.11 (20.1)	4.60 (10.1)	7.60 (16.8)								
			17.6 (38.9)	19.1 (42.1)	11.90 (26.2)	*16.58 (36.6)	8.78 (19.4)	*14.20 (31.3)	6.84 (15.1)	11.30 (24.9)	5.52 (12.2)	9.11 (20.1)	4.60 (10.1)	7.60 (16.8)								
-6 (-19'8")			12.2 (27.0)	*12.2 (27.0)	*10.88 (24.0)	*10.88 (24.0)	9.23 (20.3)	*9.30 (20.5)	7.26 (16.0)	*7.45 (16.4)												
			13.2 (29.1)	*13.2 (29.1)	*11.72 (25.8)	*11.72 (25.8)	9.23 (20.3)	*10.03 (22.1)	7.26 (16.0)	*8.07 (17.8)												

with heavy-lifting system

- Notes:
1. Ratings are based on SAE J1107.
 2. Lifting capacity of the Super EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
 3. The load point is a hook (not standard equipment) loaded on the back of the bucket.
 4. *Indicates load limited by hydraulic capacity.

METRIC MEASURE

EX400-5



Rating over-side or 360 degrees



Rating over-front

Unit: 1 000 kg (1 000 lb)

Conditions	Load point height m (ft in)	Load radius																m (ft in)			At max. reach					
		4 (13'1")		5 (16'5")		6 (19'8")		7 (23'0")		8 (26'3")		9 (29'6")		10 (32'10")		11 (36'1")		12 (39'4")				@ m (ft in)				
																										
Boom 7.0 m (23'0") Arm 3.9 m (12'10") Bucket PCSA: 1.60 m³ (2.09 yd³) CECE: 1.40 m³ Shoes 600 mm (24")	8 (26'3")																						3.21 (7.1)	3.21 (7.1)	10.51 (34'6")	
	7 (23'0")																						3.16 (7.0)	3.16 (7.0)	11.03 (36'2")	
	6 (19'8")																						3.16 (7.0)	3.16 (7.0)	11.43 (37'6")	
	4 (13'1")																						3.00 (6.6)	3.27 (7.2)	11.89 (39'0")	
	2 (6'7")																						2.83 (6.2)	3.55 (7.8)	11.95 (39'2")	
	0 (Ground)																						2.90 (6.4)	4.03 (8.9)	11.62 (38'2")	
	-2 (-6'7")																						3.28 (7.2)	4.88 (10.7)	10.87 (35'8")	
	-4 (-13'1")																						4.23 (9.3)	6.47 (14.3)	9.57 (31'5")	
	-6 (-19'8")																									

Boom 7.0 m (23'0") Arm 4.9 m (16'1") Bucket PCSA: 1.36 m³ (1.78 yd³) CECE: 1.20 m³ Shoes 600 mm (24")	8 (26'3")																	3.11 (6.9)	11.58 (38'0")
	7 (23'0")																	3.05 (6.7)	12.04 (39'6")
	6 (19'8")																	3.03 (6.7)	12.40 (40'8")
	4 (13'1")																	2.91 (6.4)	12.82 (42'1")
	2 (6'7")																	2.91 (6.4)	12.89 (42'4")
	0 (Ground)																	2.80 (6.2)	12.61 (41'4")
	-2 (-6'7")																	3.05 (6.7)	11.95 (39'3")
	-4 (-13'1")																	3.66 (8.1)	10.84 (35'7")
	-6 (-19'8")																	5.07 (11.2)	9.08 (29'9")
	-7 (-23'0")																		

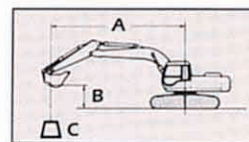
with heavy-lifting system

Notes: 1. Ratings are based on SAE J1097.

2. Lifting capacity of the Super EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook (not standard equipment) loaded on the back of the bucket.

4. *Indicates load limited by hydraulic capacity.



A: Load radius
B: Load point height
C: Lifting capacity

METRIC MEASURE

EX450H-5



Rating over-side or 360 degrees



Rating over-front

Unit: 1 000 kg (1 000 lb)

Conditions	Load point height m (ft in)	Load radius																m (ft in)		At max. reach				
		4 (13'1")		5 (16'5")		6 (19'8")		7 (23'0")		8 (26'3")		9 (29'6")		10 (32'10")		11 (36'1")		12 (39'4")						
																						@	m (ft in)	
Boom 7.0 m (23'0") H-boom Arm 3.4 m (11'2") H-arm Bucket PCSA: 1.82 m³ (2.38 yd³) CECE: 1.60 m³ Rock bucket Shoes 600 mm (24")	8 (26'3")									*6.77 (14.9)	*6.77 (14.9)											*3.41 (7.5)	*3.41 (7.5)	10.13 (33'3")
	7 (23'0")									6.87 (15.1)	*7.22 (15.9)											*3.69 (8.1)	*3.69 (8.1)	10.67 (35'0")
	6 (19'8")									6.85 (15.1)	*7.04 (15.5)	5.24 (11.6)	*5.63 (12.4)									*3.35 (7.4)	*3.35 (7.4)	11.08 (36'4")
	4 (13'1")									6.85 (15.1)	*7.58 (16.7)	5.24 (11.6)	*6.03 (13.3)									*3.63 (8.0)	*3.63 (8.0)	11.54 (37'10")
	2 (6'7")									6.72 (14.8)	*7.28 (16.0)	5.21 (11.5)	*6.97 (15.4)									3.27 (7.2)	*3.34 (7.4)	11.59 (38'0")
	0 (Ground)									6.72 (14.8)	*7.83 (17.3)	5.21 (11.5)	*7.52 (16.6)									3.27 (7.2)	*3.62 (8.0)	11.23 (36'10")
	-2 (-6'7")																					2.79 (6.1)	*3.47 (7.6)	10.42 (34'2")
	-4 (-13'1")																					2.79 (6.1)	*3.75 (8.3)	
	-6 (-19'8")																					2.62 (5.8)	*4.08 (9.0)	
																						2.73 (6.0)	*4.34 (9.6)	
																						2.73 (6.0)	*4.66 (10.3)	

with heavy-lifting system

- Notes:
1. Ratings are based on SAE J1097.
 2. Lifting capacity of the Super EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87 % of full hydraulic capacity.
 3. The load point is a hook (not standard equipment) loaded on the back of the bucket.
 4. *Indicates load limited by hydraulic capacity.

ENGLISH MEASURE

EX400LC-5



Rating over-side or 360 degrees



Rating over-front

Unit: 1 000 lb (1 000 kg)

Conditions	Load point height	Load radius										At max. reach					
		10 ft (3.05 m)		15 ft (4.57 m)		20 ft (6.10 m)		25 ft (7.62 m)		30 ft (9.14 m)		35 ft (10.67 m)					
														@	ft in (m)		
Boom 23'0" (7.0 m) Arm 9'6" (2.9 m) Bucket PCSA: 2.98 yd ³ (2.28 m ³) Shoes 30" (750 mm)	25 ft (7.62 m)							*17.7 (8.0)	*17.7 (8.0)					*11.8 (5.4)	*11.8 (5.4)	31'7" (9.6)	
									*19.0 (8.6)	*19.0 (8.6)					*12.6 (5.7)	*12.6 (5.7)	
	20 ft (6.10 m)								*18.2 (8.3)	*18.2 (8.3)					10.5 (4.8)	*11.9 (5.4)	34'0" (10.4)
									18.9 (8.6)	*19.6 (8.9)					10.5 (4.8)	*12.7 (5.8)	
	15 ft (4.57 m)			*32.8 (14.9)	*32.8 (14.9)	*24.1 (10.9)	*24.1 (10.9)	18.1 (8.2)	*19.9 (9.0)	12.8 (5.8)	*17.6 (8.0)			9.4 (4.2)	*12.4 (5.6)	35'5" (10.8)	
				*34.9 (15.8)	*34.9 (15.8)	*25.7 (11.7)	*25.7 (11.7)	18.1 (8.2)	*21.0 (9.7)	12.8 (5.8)	*18.9 (8.6)			9.4 (4.2)	*13.2 (6.0)		
	10 ft (3.05 m)					24.4 (11.1)	*28.3 (12.8)	17.0 (7.7)	*21.9 (9.9)	12.3 (5.6)	*18.5 (8.4)			8.8 (4.0)	*13.2 (6.0)	36'0" (11.0)	
						24.4 (11.1)	*30.2 (13.7)	17.0 (7.7)	*23.6 (10.7)	12.3 (5.6)	*19.9 (9.0)			8.8 (4.0)	*14.0 (6.4)		
	5 ft (1.52 m)					22.7 (10.3)	*31.4 (14.3)	16.1 (7.3)	*23.8 (10.8)	11.8 (5.4)	*19.4 (8.8)			8.7 (3.9)	*14.4 (6.5)	35'8" (10.9)	
						22.7 (10.3)	*33.6 (15.2)	16.1 (7.3)	*25.5 (11.6)	11.8 (5.4)	20.8 (9.5)			8.8 (3.9)	*15.3 (6.9)		
	0 (Ground)					21.9 (9.9)	*32.5 (14.7)	15.4 (7.0)	*24.8 (11.2)	11.4 (5.2)	*19.9 (9.0)			9.0 (4.1)	*16.2 (7.4)	34'7" (10.5)	
						21.9 (9.9)	*34.8 (15.8)	15.4 (7.0)	*26.6 (12.1)	11.4 (5.2)	20.4 (9.3)			9.0 (4.1)	*17.2 (7.8)		
-5 ft (-1.52 m)			35.1 (15.9)	*40.1 (18.2)	21.6 (9.8)	*31.6 (14.3)	15.1 (6.9)	*24.5 (11.1)	11.3 (5.1)	*19.3 (8.8)			10.1 (4.6)	*16.3 (7.4)	32'6" (9.9)		
			35.1 (15.9)	*42.9 (19.5)	21.6 (9.8)	*33.8 (15.3)	15.1 (6.9)	*36.3 (16.5)	11.3 (5.1)	20.2 (9.2)			10.1 (4.6)	*17.6 (8.0)			
-10 ft (-3.05 m)		*41.5 (18.8)	*41.5 (18.8)	35.5 (16.1)	*35.9 (16.3)	21.8 (9.9)	*28.9 (13.1)	15.2 (6.9)	*22.6 (10.3)								
		*44.5 (20.2)	*44.5 (20.2)	35.5 (16.1)	*38.4 (17.4)	21.8 (9.9)	*31.0 (14.1)	15.2 (6.9)	*24.3 (11.0)								
-15 ft (-4.57 m)			*29.2 (13.3)	*29.2 (13.3)	22.3 (10.1)	*23.9 (10.8)	15.7 (7.1)	*17.8 (8.1)									
			*31.4 (14.3)	*31.4 (14.3)	22.3 (10.1)	*25.7 (11.7)	15.7 (7.1)	*19.3 (8.7)									

Boom 23'0" (7.0 m) Arm 11'2" (3.4 m) Bucket PCSA: 2.71 yd ³ (2.07 m ³) Shoes 30" (750 mm)	25 ft (7.62 m)													*8.3 (3.8)	*8.4 (3.8)	33'10" (10.3)
														*8.9 (4.0)	*8.9 (4.0)	
	20 ft (6.10 m)							*17.4 (7.9)	*17.4 (7.9)	13.7 (6.2)	*16.4 (7.4)			*8.2 (3.7)	*8.2 (3.7)	36'0" (11.0)
								*18.6 (8.5)	*18.6 (8.5)	13.7 (6.2)	*17.6 (8.0)			*8.8 (4.0)	*8.8 (4.0)	
	15 ft (4.57 m)					*22.8 (10.4)	*22.8 (10.4)	18.7 (8.5)	*19.1 (8.7)	13.4 (6.1)	*17.1 (7.7)			*8.4 (3.8)	*8.4 (3.8)	37'4" (11.4)
						*24.4 (11.1)	*24.4 (11.1)	18.7 (8.5)	*20.6 (9.3)	13.4 (6.1)	*18.3 (8.3)			8.7 (3.9)	*9.0 (4.1)	
	10 ft (3.05 m)					25.4 (11.5)	*27.2 (12.3)	17.7 (8.0)	*21.5 (9.7)	12.8 (5.8)	*18.2 (8.3)			8.2 (3.7)	*8.8 (4.0)	37'10" (11.5)
						25.4 (11.5)	*29.1 (13.2)	17.7 (8.0)	*23.0 (10.4)	12.8 (5.8)	*19.6 (8.9)			8.2 (3.7)	*9.4 (4.3)	
	5 ft (1.52 m)					23.6 (10.7)	*30.9 (14.0)	16.7 (7.6)	*23.6 (10.7)	12.3 (5.6)	*19.3 (8.8)			8.1 (3.7)	*9.5 (4.3)	37'7" (11.1)
						23.6 (10.7)	*33.0 (15.0)	16.7 (7.6)	*25.3 (11.5)	12.3 (5.6)	*20.8 (9.4)			8.1 (3.7)	*10.1 (4.6)	
	0 (Ground)			*23.0 (10.4)	*23.0 (10.4)	22.5 (10.2)	*32.7 (14.8)	15.9 (7.2)	*24.9 (11.3)	11.8 (5.4)	*20.1 (9.1)			8.4 (3.8)	*10.5 (4.8)	36'7" (11.1)
				*24.4 (11.1)	*24.4 (11.1)	22.5 (10.2)	*35.0 (15.9)	15.9 (7.2)	*26.7 (12.1)	11.8 (5.4)	20.8 (9.4)			8.4 (3.8)	*11.2 (5.1)	
	-5 ft (-1.52 m)			35.3 (16.0)	*39.3 (17.8)	22.0 (10.0)	*32.6 (14.8)	15.5 (7.0)	*25.1 (11.4)	11.5 (5.2)	*20.0 (9.1)			9.2 (4.2)	*12.1 (5.5)	32'10" (9.7)
				35.3 (16.0)	*41.6 (18.9)	22.0 (10.0)	*34.8 (15.8)	15.5 (7.0)	*26.9 (12.2)	11.5 (5.2)	20.5 (9.3)			9.2 (4.2)	*12.9 (5.8)	
	-10 ft (-3.05 m)	*35.3 (16.0)	*35.3 (16.0)	35.6 (16.2)	*39.2 (17.8)	22.0 (10.0)	*30.6 (13.9)	15.4 (7.0)	*23.8 (10.8)	11.6 (5.2)	*18.4 (8.3)			10.9 (4.9)	*14.6 (6.6)	31'9" (9.7)
		*37.3 (16.9)	*37.3 (16.9)	35.6 (16.2)	*41.9 (19.0)	22.0 (10.0)	*32.7 (14.8)	15.4 (7.0)	*25.6 (11.6)	11.6 (5.2)	*19.8 (9.0)			10.9 (4.9)	*15.5 (7.0)	
	-15 ft (-4.57 m)	*39.7 (18.0)	*39.7 (18.0)	*33.2 (15.1)	*33.2 (15.1)	22.4 (10.2)	*26.4 (12.0)	15.7 (7.1)	*20.3 (9.2)					*13.3 (6.0)	*13.3 (6.0)	27'3" (8.3)
		*42.6 (19.3)	*42.6 (19.3)	*35.6 (16.1)	*35.6 (16.1)	22.4 (10.2)	*28.3 (12.9)	15.7 (7.1)	*21.9 (9.9)					14.4 (6.5)	*14.4 (6.5)	
	-20 ft (-6.10 m)			*23.5 (10.7)	*23.5 (10.7)	*18.5 (8.4)	*18.5 (8.4)									
				*25.3 (11.5)	*25.3 (11.5)	*20.0 (9.1)	*20.0 (9.1)									

with heavy-lifting system

Notes: 1. Ratings are based on SAE J1097.

2. Lifting capacity of the Super EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook (not standard equipment) loaded on the back of the bucket.

4. *Indicates load limited by hydraulic capacity.

ENGLISH MEASURE

EX400LC-5



Rating over-side or 360 degrees



Rating over-front

Unit: 1 000 lb (1 000 kg)

Conditions	Load point height	Load radius										At max. reach				
		10 ft (3.05 m)		15 ft (4.57 m)		20 ft (6.10 m)		25 ft (7.62 m)		30 ft (9.14 m)		35 ft (10.67 m)				@ ft in (m)
																
Boom 23'0" (7.0 m) Arm 12'10" (3.9 m) Bucket PCSA: 2.38 yd ³ (1.82 m ³) Shoes 30" (750 mm)	25 ft (7.62 m)									*10.1 (4.6)	*10.1 (4.6)			*6.8 (3.1)	*6.8 (3.1)	35'5" (10.8)
										*10.8 (4.9)	*10.8 (4.9)			*7.4 (3.4)	*7.4 (3.4)	
	20 ft (6.10 m)									14.0 (6.4)	*15.3 (6.9)			*6.8 (3.1)	*6.8 (3.1)	37'6" (11.4)
										14.0 (6.4)	*16.4 (7.5)			*7.4 (3.4)	*7.4 (3.4)	
	15 ft (4.57 m)							*18.0 (8.2)	*18.0 (8.2)	13.6 (6.2)	*16.2 (7.3)	9.0 (4.1)	9.0 (4.1)	*7.0 (3.2)	*7.0 (3.2)	38'9" (11.8)
								19.0 (8.6)	*19.3 (8.8)	13.6 (6.2)	*17.4 (7.9)	9.0 (4.1)	9.7 (4.4)	*7.5 (3.4)	*7.5 (3.4)	
	10 ft (3.05 m)			*36.3 (16.5)	*36.3 (16.5)	*25.9 (11.7)	*25.9 (11.7)	17.9 (8.1)	*20.4 (9.3)	13.0 (5.9)	*17.4 (7.9)	9.5 (4.3)	13.9 (6.3)	*7.3 (3.3)	*7.3 (3.3)	39'3" (12.0)
				*38.7 (17.5)	*38.7 (17.5)	25.9 (11.8)	*27.3 (12.4)	17.9 (8.1)	*21.8 (9.9)	13.0 (5.9)	*18.7 (8.5)	9.5 (4.3)	14.8 (6.7)	7.6 (3.5)	*7.9 (3.6)	
	5 ft (1.52 m)			*32.1 (14.6)	*32.1 (14.6)	23.9 (10.9)	*29.7 (13.5)	16.8 (7.6)	*22.8 (10.3)	12.3 (5.6)	*18.7 (8.5)	9.2 (4.2)	16.1 (7.3)	7.5 (3.4)	*7.9 (3.6)	39'0" (11.9)
				*34.0 (15.4)	*34.0 (15.4)	23.9 (10.9)	*31.7 (14.4)	16.8 (7.6)	*24.4 (11.1)	12.3 (5.6)	*20.2 (9.1)	9.2 (4.2)	16.4 (7.4)	7.5 (3.4)	*8.5 (3.9)	
	0 (ground)			*29.7 (13.5)	*29.7 (13.5)	22.6 (10.3)	*32.2 (14.6)	16.0 (7.2)	*24.4 (11.1)	11.8 (5.4)	*19.7 (8.9)	8.9 (4.1)	16.1 (7.3)	7.8 (3.5)	*8.8 (4.0)	38'0" (11.6)
				*31.5 (14.3)	*31.5 (14.3)	22.6 (10.3)	*34.4 (15.6)	16.0 (7.2)	*26.2 (11.9)	11.8 (5.4)	*20.8 (9.4)	8.9 (4.1)	16.1 (7.3)	7.8 (3.5)	*9.5 (4.3)	
	-5 ft (-1.52 m)	*17.6 (8.0)	*17.6 (8.0)	35.0 (15.9)	*40.2 (18.3)	22.0 (10.0)	*32.7 (14.8)	15.5 (7.0)	*25.0 (11.4)	11.5 (5.2)	*20.0 (9.1)			8.4 (3.8)	*10.2 (4.6)	36'3" (11.0)
		*18.7 (8.5)	*18.7 (8.5)	35.0 (15.9)	*42.5 (19.3)	22.0 (10.0)	*34.8 (15.8)	15.5 (7.0)	*26.9 (12.2)	11.5 (5.2)	20.4 (9.3)			8.4 (3.8)	*10.9 (4.9)	
	-10 ft (-3.05 m)	*33.6 (15.2)	*33.6 (15.2)	35.2 (16.0)	*41.2 (18.7)	21.8 (9.9)	*31.3 (14.2)	15.3 (6.9)	*24.3 (11.0)	11.4 (5.2)	*19.0 (8.6)			9.8 (4.5)	*12.3 (5.6)	33'5" (10.2)
	*35.5 (16.1)	*35.5 (16.1)	35.2 (16.0)	*44.0 (20.0)	21.8 (9.9)	*33.5 (15.2)	15.3 (6.9)	*26.1 (11.8)	11.4 (5.2)	20.3 (9.2)			9.8 (4.5)	*13.2 (6.0)		
-15 ft (-4.57 m)	*45.9 (20.8)	*45.9 (20.8)	35.8 (16.2)	*36.0 (16.3)	22.1 (10.0)	*28.0 (12.7)	15.5 (7.0)	*21.7 (9.8)					12.6 (5.7)	*13.6 (6.2)	29'4" (8.9)	
	*49.1 (22.3)	*49.1 (22.3)	35.8 (16.2)	*38.5 (17.5)	22.1 (10.0)	*30.0 (13.6)	15.5 (7.0)	*23.3 (10.6)					12.6 (5.7)	*14.8 (6.7)		
-20 ft (-6.10 m)			*27.5 (12.5)	*27.5 (12.5)	21.6 (9.8)	*21.6 (9.8)	*15.2 (6.9)	*15.2 (6.9)								
			*29.5 (13.4)	*29.5 (13.4)	22.8 (10.4)	*23.2 (10.5)	16.2 (7.3)	*16.5 (7.5)								

Boom 23'0" (7.0 m) Arm 16'1" (4.9 m) Bucket PCSA: 1.78 yd ³ (1.36 m ³) Shoes 30" (750 mm)	30 ft (9.14 m)													*7.1 (3.2)	*7.1 (3.2)	36'0" (11.0)
	25 ft (7.62 m)													*7.6 (3.5)	*7.6 (3.5)	38'10" (11.8)
	20 ft (6.10 m)									*14.4 (6.5)	*14.4 (6.5)	11.5 (5.2)	*12.4 (5.6)	*6.7 (3.0)	*6.7 (3.0)	40'9" (12.4)
	15 ft (4.57 m)									15.1 (6.8)	*15.5 (7.0)	11.2 (5.1)	*14.6 (6.6)	*6.8 (3.1)	*6.8 (3.1)	41'10" (12.8)
										15.1 (6.8)	*16.6 (7.5)	11.2 (5.1)	15.7 (7.1)	*7.3 (3.3)	*7.3 (3.3)	
	10 ft (3.05 m)							*19.4 (8.8)	*19.4 (8.8)	14.4 (6.5)	*17.0 (7.7)	10.9 (4.9)	*15.5 (7.0)	*7.0 (3.2)	*7.0 (3.2)	42'4" (12.8)
								19.6 (8.9)	*20.7 (9.4)	14.4 (6.5)	*18.2 (8.3)	10.9 (4.9)	16.6 (7.5)	7.5 (3.4)	*7.5 (3.4)	
	5 ft (1.52 m)			*39.8 (18.1)	*39.8 (18.1)	26.0 (11.8)	*28.1 (12.7)	18.4 (8.3)	*22.1 (10.0)	13.7 (6.2)	*18.6 (8.5)	10.4 (4.7)	*16.4 (7.4)	7.4 (3.3)	*7.4 (3.3)	42'2" (12.8)
				40.3 (18.3)	*42.4 (19.2)	26.0 (11.8)	*29.9 (13.6)	18.4 (8.3)	*23.7 (10.7)	13.7 (6.2)	*20.0 (9.1)	10.4 (4.7)	17.6 (8.0)	7.4 (3.3)	*7.9 (3.6)	
	0 (Ground)			37.3 (16.9)	*38.8 (17.6)	24.2 (11.0)	*31.7 (14.4)	17.3 (7.9)	*24.4 (11.1)	13.0 (5.9)	*20.0 (9.1)	10.0 (4.6)	*17.1 (7.8)	7.5 (3.4)	*8.0 (3.6)	41'3" (12.6)
				37.3 (16.9)	*41.0 (18.6)	24.2 (11.0)	*33.8 (15.3)	17.3 (7.9)	*26.1 (11.8)	13.0 (5.9)	*21.5 (9.7)	10.0 (4.6)	17.2 (7.8)	7.5 (3.4)	*8.6 (3.9)	
	-5 ft (-1.52 m)	*17.3 (7.8)	*17.3 (7.8)	36.0 (16.3)	*39.7 (18.0)	23.2 (10.5)	*33.5 (15.2)	16.6 (7.5)	*25.8 (11.7)	12.5 (5.7)	*20.9 (9.5)	9.7 (4.4)	16.9 (7.6)	8.0 (3.6)	*8.9 (4.1)	39'8" (12.1)
		*18.4 (8.3)	*18.4 (8.3)	36.0 (16.3)	*41.9 (19.0)	23.2 (10.5)	*35.7 (16.2)	16.6 (7.5)	*27.5 (12.5)	12.5 (5.7)	*21.5 (9.7)	9.7 (4.4)	16.9 (7.6)	8.0 (3.6)	*9.6 (4.3)	
	-10 ft (-3.05 m)	*27.3 (12.4)	*27.3 (12.4)	35.7 (16.2)	*45.3 (20.6)	22.7 (10.3)	*33.4 (15.2)	16.2 (7.3)	*25.0 (11.3)	12.2 (5.6)	*20.8 (9.4)	9.6 (4.4)	16.7 (7.6)	8.9 (4.0)	*10.3 (4.7)	37'3" (11.4)
		*28.9 (13.1)	*28.9 (13.1)	35.7 (16.2)	*48.3 (21.9)	22.7 (10.3)	*35.7 (16.2)	16.2 (7.3)	*27.7 (12.6)	12.2 (5.6)	21.2 (9.6)	9.6 (4.4)	16.7 (7.6)	8.9 (4.0)	*11.0 (5.0)	
	-15 ft (-4.57 m)	*39.9 (18.1)	*39.9 (18.1)	35.9 (16.3)	*41.7 (18.9)	22.6 (10.3)	*31.5 (14.3)	16.1 (7.3)	*24.6 (11.2)	12.2 (5.6)	*19.4 (8.8)			10.5 (4.8)	*12.6 (5.7)	33'10" (10.3)
		*42.1 (19.1)	*42.1 (19.1)	35.9 (16.3)	*44.5 (20.2)	22.6 (10.3)	*33.7 (15.3)	16.1 (7.3)	*26.4 (12.0)	12.2 (5.6)	*20.8 (9.4)			10.5 (4.8)	*13.4 (6.1)	
	-20 ft (-6.10 m)	*47.6 (21.6)	*47.6 (21.6)	35.4 (16.1)	*35.4 (16.1)	23.1 (10.5)	*27.3 (12.4)	16.4 (7.5)	*21.1 (9.6)					*12.8 (5.8)	*12.8 (5.8)	28'11" (8.8)
		*50.9 (23.1)	*50.9 (23.1)	36.7 (16.6)	*37.9 (17.2)	23.1 (10.5)	*29.3 (13.3)	16.4 (7.5)	*22.6 (10.3)					13.8 (6.3)	*13.9 (6.3)	
	-25 ft (-7.62 m)			*25.0 (11.3)	*25.0 (11.3)	*19.1 (8.7)	*19.1 (8.7)									
				*26.9 (12.2)	*26.9 (12.2)	*20.6 (9.3)	*20.6 (9.3)									

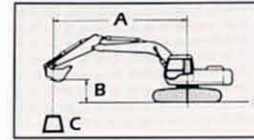
with heavy-lifting system

Notes: 1. Ratings are based on SAE J1097.

2. Lifting capacity of the Super EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook (not standard equipment) loaded on the back of the bucket.

4. *Indicates load limited by hydraulic capacity.



A: Load radius
B: Load point height
C: Lifting capacity

ENGLISH MEASURE

EX450LCH-5



Rating over-side or 360 degrees



Rating over-front

Unit: 1 000 lb (1 000 kg)

Conditions	Load point height	Load radius												At max. reach		
		10 ft (3.05 m)		15 ft (4.57 m)		20 ft (6.10 m)		25 ft (7.62 m)		30 ft (9.14 m)		35 ft (10.67 m)				@ ft in [m]
																
Boom 23'0" (7.0 m) H-boom Arm 11'2" (3.4 m) H-arm Bucket PCSA: 2.38 yd ³ (1.82 m ³) Rock bucket Shoes 24" (600 mm)	25 ft (7.62 m)													*7.4 (3.4)	*7.4 (3.4)	34'2" (10.4)
														*8.0 (3.6)	*8.0 (3.6)	
	20 ft (6.10 m)							*16.4 (7.4)	*16.4 (7.4)	12.7 (5.8)	*15.3 (6.9)			*7.4 (3.3)	*7.4 (3.3)	36'5" (11.1)
								16.4 (7.4)	*17.7 (8.0)	12.7 (5.8)	*16.5 (7.5)			*8.0 (3.6)	*8.0 (3.6)	
	15 ft (4.57 m)					22.0 (10.0)	*22.0 (10.0)	17.5 (7.9)	*18.3 (8.3)	12.3 (5.6)	*16.1 (7.3)			7.5 (3.4)	*7.6 (3.4)	37'8" (11.5)
						*23.6 (10.7)	*23.6 (10.7)	17.5 (7.9)	*19.6 (8.9)	12.3 (5.6)	*17.3 (7.9)			7.5 (3.4)	*8.2 (3.7)	
	10 ft (3.05 m)					23.9 (10.8)	*26.4 (12.0)	16.4 (7.4)	*20.6 (9.3)	11.7 (5.3)	*17.2 (7.8)			7.1 (3.2)	*8.0 (3.6)	38'1" (11.6)
						23.9 (10.8)	*28.3 (12.8)	16.4 (7.4)	*22.1 (10.0)	11.7 (5.3)	*18.6 (8.4)			7.1 (3.2)	*8.6 (3.9)	
	5 ft (1.52 m)					22.0 (10.0)	*30.1 (13.6)	15.3 (7.0)	*22.6 (10.3)	11.1 (5.0)	*18.4 (8.3)	8.1 (3.7)	*12.7 (5.8)	7.0 (3.2)	*8.6 (3.9)	37'10" (11.5)
						22.0 (10.0)	*32.2 (14.6)	15.3 (7.0)	*24.3 (11.0)	11.1 (5.0)	*19.8 (9.0)	8.1 (3.7)	*13.6 (6.2)	7.0 (3.2)	*9.3 (4.2)	
	0 (Ground)			*21.7 (9.9)	*21.7 (9.9)	20.9 (9.5)	*31.7 (14.4)	14.6 (6.6)	*23.9 (10.9)	10.6 (4.8)	*19.1 (8.7)			7.3 (3.3)	*9.7 (4.4)	36'9" (11.2)
				*23.2 (10.5)	*23.2 (10.5)	20.9 (9.5)	*34.0 (15.4)	14.6 (6.6)	*25.7 (11.7)	10.6 (4.8)	19.4 (8.8)			7.3 (3.3)	*10.4 (4.7)	
	-5 ft (-1.52 m)			33.4 (15.1)	*39.0 (17.7)	20.5 (9.3)	*31.4 (14.2)	14.2 (6.4)	*24.1 (10.9)	10.3 (4.7)	*18.9 (8.6)			8.1 (3.7)	*11.2 (5.1)	34'9" (10.6)
				33.4 (15.1)	*41.3 (18.7)	20.5 (9.3)	*33.6 (15.3)	14.2 (6.4)	*26.0 (11.8)	10.3 (4.7)	19.1 (8.7)			8.1 (3.7)	*12.0 (5.5)	
	-10 ft (-3.05 m)	*34.5 (15.6)	*34.5 (15.6)	33.8 (15.3)	*37.4 (17.0)	20.5 (9.3)	*29.2 (13.3)	14.1 (6.4)	*22.7 (10.3)	10.4 (4.7)	*17.3 (7.9)			9.8 (4.4)	*13.8 (6.2)	31'9" (9.7)
		*36.5 (16.6)	*36.5 (16.6)	33.8 (15.3)	*40.1 (18.2)	20.5 (9.3)	*31.4 (14.2)	14.1 (6.4)	*24.4 (11.1)	10.4 (4.7)	*18.7 (8.5)			9.8 (4.4)	14.7 (6.7)	
	-15 ft (-4.57 m)	*36.9 (16.7)	*36.9 (16.7)	31.3 (14.2)	*31.3 (14.2)	21.0 (9.5)	*24.9 (11.3)	14.5 (6.6)	*19.1 (8.6)							
		*39.7 (18.0)	*39.7 (18.0)	33.6 (15.3)	*33.6 (15.3)	21.0 (9.5)	*26.8 (12.2)	14.5 (6.6)	*20.6 (9.3)							
	-20 ft (-6.10 m)			*21.4 (9.7)	*21.4 (9.7)	*16.8 (7.6)	*16.8 (7.6)									
				*23.2 (10.5)	*23.2 (10.5)	*18.3 (8.3)	*18.3 (8.3)									

with heavy-lifting system

Notes: 1. Ratings are based on SAE J1097.

2. Lifting capacity of the Super EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook (not standard equipment) loaded on the back of the bucket.

4. *Indicates load limited by hydraulic capacity.