ENGINE

Model ..... Isuzu 4BD1T
Type ..... 4-cycle, water-cooled, direct injection
Aspiration ..... Turbochanged
No. of cylinders 4
Rated flywheel horsepower (DIN 6271, net) ..... 63 kW (85 PS) at 2 200 min^{-1} (rpm)
Rated flywheel horsepower (SAE J1349, net) ..... 60 kW (81 HP) at 2 200 min^{-1} (rpm)
Maximum torque ..... 299 N.m (30.5 kgf.m, 221 lbf.ft) at 1 600 rpm
Piston displacement ..... 3.86 L (235 in^3)
Bore and stroke ..... 102 mm × 118 mm (4.02" × 4.65")
Batteries ..... 2 × 12 V, 65 AH
Governor ..... Mechanical, speed control with stepping motor

HYDRAULIC SYSTEM

ELLE (Electronic Load-sensing Excavation) system designed for job efficiency and controllability.

- Load-sensing system
- Flow dividing control system
- Work mode selector
  General-purpose mode / Trenching mode
  Grading mode / Precision mode

Power elector designed for maximum productivity and fuel savings.

- Engine speed sensing system
  P (Power) mode / E (Economy) mode
  L (Low speed) mode / I (Low idle) mode

Main pump ..... 1 variable displacement axial piston pump
Maximum oil flow ..... 1 × 198 L/min (52.3 US gpm, 43.6 Imp gpm)
Pilot pump ..... 1 gear pump
Maximum oil flow ..... 37.0 L/min (9.8 US gpm, 8.1 Imp gpm)

Hydraulic Motors

Travel ..... 2 variable displacement axial piston motors
Swing ..... 1 axial piston motor

Relief Valve Settings

Implement circuit ..... 34.3 MPa (350 kgf/cm^2, 4 980 psi)
Swing circuit ..... 34.8 MPa (355 kgf/cm^2, 5 050 psi)
Travel circuit ..... 34.3 MPa (350 kgf/cm^2, 4 980 psi)
Pilot circuit ..... 4.9 MPa (50 kgf/cm^2, 710 psi)

Hydraulic Cylinders

High-strength piston rods and tubes. Cylinder cushion mechanisms provided in all cylinders to absorb shocks at stroke ends.

Dimensions

	Qty	Bore	Rod diameter
Boom	2	105 mm (4.13")	70 mm (2.76")
Arm	1	110 mm (4.33")	80 mm (3.15")
Bucket	1	95 mm (3.74")	65 mm (2.56")

Hydraulic Filters

Hydraulic circuits use high-quality hydraulic filters. A suction filter is incorporated in suction line, and 10 μm full-flow filters in return line and swing/travel motor drain lines.

CONTROLS

Pilot controls. Hitachi's original shockless valve and quick warm-up system built in the pilot circuit. Hydraulic warm-up control system for engine and hydraulic oil. Multi selection lever with rotary valve is optionally available for selection of control lever direction.
Implement levers 2
Travel levers with pedals 2

UPPERSTRUCTURE

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 dampener valve in the swing circuit prevents coasting when stopping swing. Swing cushion valve built in swing motor absorbs shocks when stopping swing.
Swing speed ..... 11.0 min^{-1} (rpm)

Operator's Cab

Independent roomy cab, 940 mm (37") wide by 1 620 mm (64") high, conforming to ISO* Standards. Reinforced glass windows on 4 sides for visibility. Front windows (upper and lower) are openable and spring-assisted for easy storing in the cab and absorbing shocks during lowering. Adjustable, suspension seat with armrests;movable with or without control levers and monitor panel.

* International Standard Organization

UNDERCARRIAGE

Tracks

Tractor-type undercarriage. Welded track frame, using carefully selected materials. Side frame welded to track frame. Lubricated track rollers, idlers, and sprockets with floating seals.
Track shoes with triple grousers made of induction-hardened rolled alloy. Flat and triangular shoes also available. 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 roller 1
Lower rollers 7
Track shoes 44

Traction Device

Each track driven by 2-speed axial piston motor through planetary reduction gear for counterrotation of the tracks. Sprockets are replaceable. Parking brake is spring-set/hydraulic-released disc type. Travel shockless relief valve built in travel motor absorbs shocks when stopping travel.
Automatic transmission system: High—Medium.
Travel speeds ..... High: 0 to 5.5 km/h (3.4 mph)
Medium: 0 to 3.4 km/h (2.1 mph)
Low: 0 to 2.1 km/h (1.3 mph)
Maximum traction force ..... 94.1 kN (9 600 kgf, 21 200 lbf)
Gradeability ..... 35° (70%) continuous

WEIGHTS AND GROUND PRESSURE

Equipped with 4.60 m (15'1") boom, 2.52 m (8'3") arm and 0.55 m^3 (0.72 yd^3: PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	500 mm (20")	11 800 kg (26 000 lb)	37.3 kPa (0.38 kgf/cm^2, 5.40 psi)
	600 mm (24")	12 100 kg (26 700 lb)	31.4 kPa (0.32 kgf/cm^2, 4.55 psi)
	700 mm (28")	12 300 kg (27 100 lb)	27.5 kPa (0.28 kgf/cm^2, 3.98 psi)
Flat	510 mm (20")	12 300 kg (27 100 lb)	38.2 kPa (0.39 kgf/cm^2, 5.55 psi)
Triangular	700 mm (28")	12 100 kg (26 700 lb)	27.5 kPa (0.28 kgf/cm^2, 3.98 psi)

Operating weight implies total weight of the basic machine plus 2 350 kg (5 180 lb) counterweight and triple grouser shoes, excluding front-end attachment.

EX120 ..... 9 600 kg (21 200 lb) with 500 mm (20 ") shoes.

SERVICE REFILL CAPACITIES

	liters	US gal	Imp gal
Fuel tank	250.0	66.0	55.0
Engine coolant	16.4	4.3	3:6
Engine oil	16.2	4.3	3.6
Swing mechanism	4.0	1.1	0.9
Travel final drive ..... device (each side)	3.5	0.9	0.8
Hydraulic system	134.0	35.4	29.5
Hydraulic tank	69.0	18.2	15.2

BACKHOE ATTACHMENTS

Boom and arms are of welded, box-section design. 4.60 m (15'1") boom, and 2.10 m (6'11"), 2.52 m (8'3") and 3.01 m (9'11") arms are available. Bucket is of welded steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

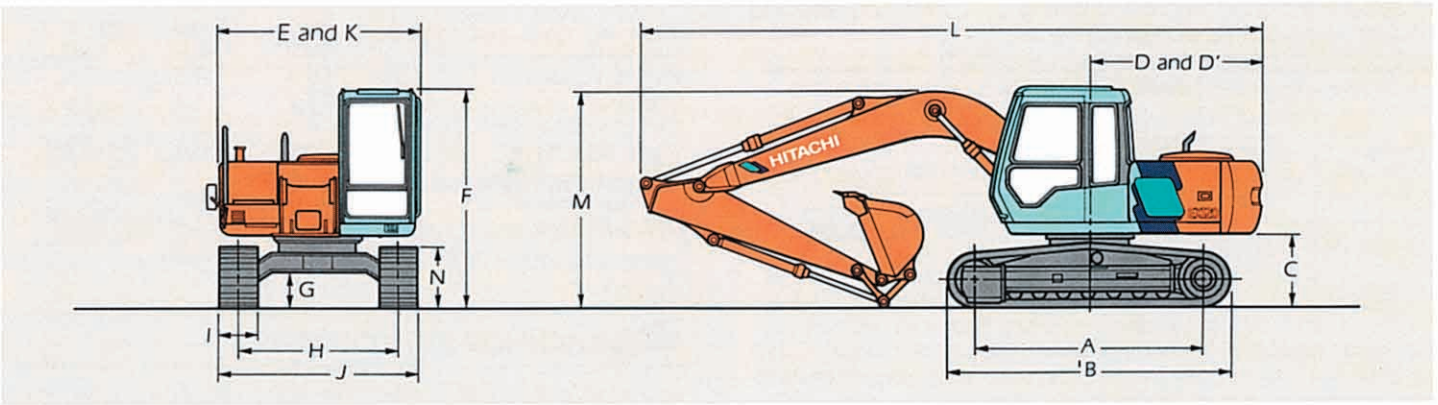
Buckets

Capacity		Width		No. of teeth	Weight	Recommendation		
PCSA heaped	CECE heaped	Without side cutters	With side cutters			2.10 m (6'11") arm	2.52 m (8'3") arm	3.01 m (9'11") arm
0.19 m^3 (0.25 yd^3)	0.17 m^3	450 mm (18")	550 mm (22")	3	240 kg (530 lb)	◎	◎	◎
0.30 m^3 (0.39 yd^3)	0.25 m^3	580 mm (23")	700 mm (28")	3	280 kg (620 lb)	◎	◎	◎
0.40 m^3 (0.52 yd^3)	0.33 m^3	680 mm (27")	800 mm (31")	4	320 kg (710 lb)	◎	◎	◎
0.46 m^3 (0.60 yd^3)	0.40 m^3	850 mm (33")	970 mm (38")	5	370 kg (820 lb)	◎	◎	○
0.55 m^3 (0.72 yd^3)	0.45 m^3	890 mm (35")	1 010 mm (40")	5	390 kg (860 lb)	◎	◎	○*
0.59 m^3 (0.77 yd^3)	0.50 m^3	950 mm (37")	1 070 mm (42")	5	410 kg (900 lb)	◎	○	—
0.66 m^3 (0.86 yd^3)	0.55 m^3	1 030 mm (41")	—	5	400 kg (880 lb)	□	—	—
One-point ripper				1	320 kg (710 lb)	●	●	—
Clamshell bucket: 0.30 m^3 (0.39 yd^3: CECE heaped) Width-560 mm (22")				6	690 kg (1 520 lb)	◎	◎	—
Slope-finishing blade: Width-1 000 mm (39"), Length-1 600 mm (63")					475 kg (1 050 lb)	◇	◇	◇

*With 700 mm (28") shoes only

◎ Suitable for materials with density of 2 000 kg/m^3 (3 370 lb/yd^3) or less
○ Suitable for materials with density of 1 600 kg/m^3 (2 700 lb/yd^3) or less
□ Suitable for materials with density of 1 100 kg/m^3 (1 850 lb/yd^3) or less
● Heavy-duty service
◇ Slope finishing service
— Not recommended

DIMENSIONS

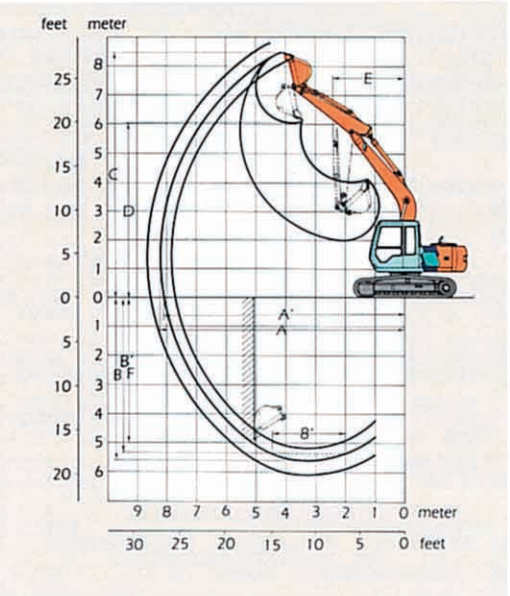


A	Distance between tumblers	2 880 mm (9'5")			
B	Undercarriage length	3 580 mm (11'9")			
*C	Counterweight clearance	890 mm (2'11")			
D	Rear-end swing radius	2 130 mm (7'0")			
D'	Rear-end length	2 100 mm (6'11")			
E	Overall width of upperstructure	2 460 mm (8'1")			
F	Overall height of cab	2 700 mm (8'10")			
*G	Min. ground clearance	440 mm (1'5")			
H	Track gauge	1 990 mm (6'6")			
I	Track shoe width	G 500 mm (20")	G 600 mm (24")	G 700 mm (28")	F 510 mm (20")
J	Undercarriage width	2 490 mm (8'2")	2 590 mm (8'6")	2 690 mm (8'10")	2 500 mm (8'2")
K	Over width	2 500 mm (8'2")	2 590 mm (8'6")	2 690 mm (8'10")	2 500 mm (8'2")
L	Overall length With 2.10 m (6'11") arm With 2.52 m (8'3") arm With 3.01 m (9'11") arm	7 560 mm (24'10") 7 580 mm (24'10") 7 580 mm (24'10")			
M	Overall height of boom With 2.10 m (6'11") arm With 2.52 m (8'3") arm With 3.01 m (9'11") arm	2 580 mm (8'6") 2 690 mm (8'10") **2 660 mm (8'9")			
N	Track height With triple grouser shoe	790 mm (2'7")			

* Excluding track shoe lug.
** This dimension is shown in the transportation hole position of the arm

G: Triple grouser shoe F: Flat shoe
T: Triangular shoe

WORKING RANGES



Arm length		2.10 m (6'11")	2.52 m (8'3")	3.01 m (9'11")
A	Max. digging reach	7 900 mm (25'11")	8 270 mm (27'2")	8 740 mm (28'8")
A'	Max. digging reach (on ground)	7 770 mm (25'6")	8 140 mm (26'8")	8 610 mm (28'3")
B	Max. digging depth	5 150 mm (16'11")	5 570 mm (18'3")	6 060 mm (19'11")
B'	Max. digging depth (8' level)	4 920 mm (16'2")	5 360 mm (17'7")	5 880 mm (19'3")
C	Max. cutting height	8 330 mm (27'4")	8 520 mm (27'11")	8 840 mm (29'0")
D	Max. dumping height	5 920 mm (19'5")	6 120 mm (20'1")	6 440 mm (21'2")
E	Min. swing radius	2 370 mm (7'9")	2 390 mm (7'10")	2 620 mm (8'7")
F	Max. vertical wall	4 640 mm (15'3")	4 980 mm (16'4")	5 450 mm (17'11")
Bucket digging force		78.5 kN (8 000 kgf, 17 600 lbf)	78.5 kN (8 000 kgf, 17 600 lbf)	78.5 kN (8 000 kgf, 17 600 lbf)
Arm crowd force		64.7 kN (6 600 kgf, 14 600 lbf)	57.9 kN (5 900 kgf, 13 000 lbf)	52.0 kN (5 300 kgf, 11 700 lbf)

Excluding track shoe lug

STANDARD EQUIPMENT

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

ENGINE

- 30 A alternator
- Dry-type air filter with evacuator valve (with safety element)
- Cartridge-type engine oil fiter
- 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

- Load-sensing system
- Flow dividing control system
- Work mode selector
- Engine speed sensing system
- E-P control system (power mode selector)
- 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
- Boom-arm holding valve
- 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, adjustable suspension seat with adjustable armrests, footrest, electric double horn, auto-tuning radio with digital clock, auto-idle switch, seat belt, cigarette lighter, ashtray, parcel pocket, rear tray, floor mat, heater, 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
- 2 350 kg (5 180 lb) counterweight
- Fuel level gauge
- Hydraulic oil level gauge
- Tool box
- Utility space
- Rearview mirror (right side)
- Swing parking brake

UNDERCARRIAGE

- Travel parking brake
- Travel motor covers
- Hydraulic track adjuster
- Bolt-on sprocket
- Upper rollers and lower rollers
- Reinforced track links with pin seals
- 500 mm (20") triple grouser shoes:

FRONT ATTACHMENTS

- Bucket clearance adjust mechanism
- Monolithically cast bucket link A
- Centralized lubrication system
- Dirt seals on all bucket pins
- 2.52 m (8'3") arm
- 0.55 m^3 (0.72 yd^3:PCSA heaped) bucket

MISCELLANEOUS

- Standard tool kit
- Lockable machine covers
- Lockable fuel filling cap
- Skid-resistant tapes and handrails.

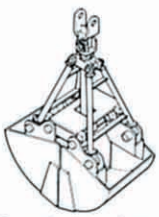
OPTIONAL EQUIPMENT

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

- Air conditioner
- Multi selection lever with rotary valve
- Hose rupture valves
- Electric fuel refilling pump
- Swing motion alarm device with lamp
- Travel motion alarm device
- Additional pump
- Piping kit for extra port
- PTO valve & Additional valve with piping kit
- One-point ripper for ripping hardpan
- Clamshell bucket for deep, vertical excavations like manholes, pilings, footings, etc.
- Slope-finishing blade for slope finishing jobs. . . scraping up or down, compacting, leveling, grading etc.

Type of Bucket

One-point ripper



Clamshell bucket

Slope-finishing blade

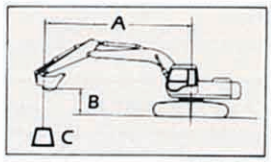
Type of Shoe

Triple grouser shoe
600 mm (24"), 700 mm (28")

Flat shoe
510 mm (20")

Triangular shoe
700 mm (28")

LIFTING CAPACITIES



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

METRIC MEASURE

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) 2 (6'7")		3 (9'10")		4(13'1")		5 (16'5")		6 (19'8")		7 (23'0")		At max. reach		
																m @(ft in)
Boom 4.60 m (15'1") Arm 2.10 m (6'11") Bucket PCSA: 0.55 m³ (0.72 yd³) CECE: 0.45 m³ Shoes 500 mm (20")	6 (19'8")							*1.96 (4.32)	*1.96 (4.32)					*1.39 (3.06)	*1.39 (3.06)	6.13 (20'1")
	5 (16'5")							2.61 (5.76)	*2.95 (6.50)					*1.33 (2.93)	*1.33 (2.93)	6.81 (22'4")
	4 (13'1")					*3.27 (7.21)	*3.27 (7.21)	2.56 (5.64)	*3.15 (6.95)	1.84 (4.06)	2.73 (6.02)			1.30 (2.87)	*1.30 (2.87)	7.25 (23'9")
	3 (9'10")			*5.37 (11.8)	*5.37 (11.8)	3.57 (7.87)	*4.13 (9.11)	2.47 (5.45)	*3.55 (7.83)	1.80 (3.97)	2.69 (5.93)			1.19 (2.62)	*1.32 (2.91)	7.51 (24'8")
	2 (6'7")					3.34 (7.36)	*5.10 (11.2)	2.35 (5.18)	3.54 (7.81)	1.74 (3.84)	2.62 (5.78)	1.31 (2.89)	*1.94 (4.28)	1.13 (2.49)	*1.36 (3.00)	7.60 (24'11")
	1 (3'3")					3.14 (6.92)	4.92 (10.8)	2.24 (4.94)	3.43 (7.56)	1.68 (3.70)	2.55 (5.62)	1.29 (2.84)	1.98 (4.37)	1.13 (2.49)	*1.44 (3.18)	7.55 (24'9")
	0 (Ground)					3.04 (6.70)	4.79 (10.6)	2.17 (4.78)	3.34 (7.36)	1.63 (3.59)	2.50 (5.51)	1.26 (2.78)	1.96 (4.32)	1.17 (2.58)	*1.56 (3.44)	7.33 (24'1")
	−1 (−3'3")			4.81 (10.6)	*5.20 (11.5)	3.00 (6.62)	4.75 (10.5)	2.12 (4.67)	3.29 (7.25)	1.60 (3.53)	2.47 (5.45)			1.29 (2.84)	*1.75 (3.86)	6.94 (22'9")
	−2 (−6'7")	*5.33 (11.8)	*5.33 (11.8)	4.85 (10.7)	*7.45 (16.4)	3.00 (6.62)	4.75 (10.5)	2.12 (4.67)	3.29 (7.25)	1.60 (3.53)	2.48 (5.49)			1.51 (3.33)	*2.06 (4.54)	6.34 (20'10")
	−3 (−9'10")	*6.19 (13.6)	*6.19 (13.6)	4.93 (10.9)	*6.60 (14.6)	3.05 (6.73)	4.81 (10.6)	2.15 (4.74)	3.33 (7.34)					1.98 (4.37)	*2.62 (5.78)	5.43 (17'10")
	−4 (−13'1")			*5.02 (11.1)	*5.02 (11.1)	3.15 (6.95)	*3.98 (8.78)									
Boom 4.60 m (15'1") Arm 2.52 m (8'3") Bucket PCSA: 0.55 m³ (0.72 yd³) CECE: 0.45 m³ Shoes 500 mm (20")	6 (19'8")							*2.22 (4.90)	*2.22 (4.90)					*1.18 (2.60)	*1.18 (2.60)	6.59 (21'7")
	5 (16'5")							*2.56 (5.64)	*2.56 (5.64)	1.89 (4.17)	*1.99 (4.39)			*1.13 (2.49)	*1.13 (2.49)	7.22 (23'8")
	4 (13'1")							2.61 (5.76)	*2.78 (6.13)	1.88 (4.15)	*2.55 (5.62)			*1.12 (2.47)	*1.12 (2.47)	7.63 (25'0")
	3 (9'10")			*3.60 (7.94)	*3.60 (7.94)	*3.45 (7.61)	*3.45 (7.61)	2.51 (5.53)	*3.25 (7.17)	1.83 (4.04)	2.72 (6.00)	1.36 (3.00)	*1.96 (4.32)	1.09 (2.40)	*1.13 (2.49)	7.87 (25'10")
	2 (6'7")			5.21 (11.5)	*6.48 (14.3)	3.41 (7.52)	*4.66 (10.3)	2.39 (5.27)	3.59 (7.92)	1.76 (3.88)	2.64 (5.82)	1.33 (2.93)	2.03 (4.48)	1.04 (2.29)	*1.18 (2.60)	7.97 (26'2")
	1 (3'3")					3.18 (7.01)	4.97 (11.0)	2.26 (4.98)	3.45 (7.61)	1.69 (3.73)	2.57 (5.67)	1.29 (2.84)	1.98 (4.37)	1.03 (2.27)	*1.25 (2.76)	7.91 (25'11")
	0 (Ground)			*3.82 (8.42)	*3.82 (8.42)	3.04 (6.70)	4.80 (10.6)	2.17 (4.78)	3.34 (7.36)	1.63 (3.59)	2.50 (5.51)	1.26 (2.78)	1.95 (4.30)	1.07 (2.36)	*1.36 (3.00)	7.71 (25'4")
	−1 (−3'3")			4.73 (10.4)	*5.85 (12.9)	2.97 (6.55)	4.72 (10.4)	2.11 (4.65)	3.28 (7.23)	1.59 (3.51)	2.46 (5.42)	1.24 (2.73)	1.93 (4.26)	1.16 (2.56)	*1.53 (3.37)	7.34 (24'1")
	−2 (−6'7")	*5.18 (11.4)	*5.18 (11.4)	4.76 (10.5)	*7.98 (17.6)	2.96 (6.53)	4.71 (10.4)	2.09 (4.61)	3.26 (7.19)	1.58 (3.48)	2.45 (5.40)			1.33 (2.93)	*1.79 (3.95)	6.78 (22'3")
	−3 (−9'10")	*7.03 (15.5)	*7.03 (15.5)	4.82 (10.6)	*7.16 (15.8)	2.99 (6.59)	4.74 (10.5)	2.11 (4.65)	3.28 (7.23)					1.60 (3.53)	2.48 (5.47)	5.95 (19'6")
	−4 (−13'1")	*7.26 (16.0)	*7.26 (16.0)	4.94 (10.9)	*5.85 (12.9)	3.07 (6.77)	*4.61 (10.2)	2.18 (4.81)	3.36 (7.41)							

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.

METRIC MEASURE

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) 2 (6'7")		3 (9'10")		4(13'1")		5 (16'5")		6 (19'8")		7 (23'0")		At max. reach		
																m @ (ft in)
Boom 4.60 m (15'1") Arm 3.01 m (9'11") Bucket PCSA: 0.40 m³ (0.52 yd³) ECE: 0.33 m³ Teeth 500 mm (20")	6 (19'8")									*1.53 (3.37)	*1.53 (3.37)			*1.06 (2.34)	*1.06 (2.34)	7.16 (23'6")
	5 (16'5")									1.97 (4.34)	*2.06 (4.54)			*1.02 (2.25)	*1.02 (2.25)	7.73 (25'4")
	4 (13'1")							*2.26 (4.98)	*2.26 (4.98)	1.94 (4.28)	*2.27 (5.01)	1.43 (3.15)	*1.79 (3.95)	*1.01 (2.23)	*1.01 (2.23)	8.12 (26'8")
	3 (9'10")					*2.46 (5.42)	*2.46 (5.42)	2.59 (5.71)	*2.60 (5.73)	1.88 (4.15)	*2.55 (5.62)	1.41 (3.11)	*2.11 (4.65)	*0.99 (2.18)	*1.02 (2.25)	8.35 (27'5")
	2 (6'7")			*5.51 (12.1)	*5.51 (12.1)	3.53 (7.78)	*4.13 (9.11)	2.46 (5.42)	*3.46 (7.63)	1.80 (3.97)	2.69 (5.93)	1.36 (3.00)	2.06 (4.54)	0.95 (2.09)	*1.06 (2.34)	8.43 (27'8")
	1 (3'3")					3.28 (7.23)	5.08 (11.2)	2.32 (5.12)	3.51 (7.74)	1.72 (3.79)	2.61 (5.76)	1.32 (2.91)	2.01 (4.43)	0.94 (2.07)	*1.11 (2.45)	8.39 (27'6")
	0 (Ground)			*4.80 (10.6)	*4.80 (10.6)	3.09 (6.81)	4.86 (10.7)	2.20 (4.85)	3.38 (7.45)	1.65 (3.64)	2.53 (5.58)	1.27 (2.80)	1.97 (4.34)	0.97 (2.14)	*1.21 (2.67)	8.20 (26'11")
	−1 (−3'3")	*2.60 (5.73)	*2.60 (5.73)	4.72 (10.4)	*5.78 (12.7)	2.99 (6.59)	4.74 (10.5)	2.12 (4.67)	3.30 (7.28)	1.60 (3.53)	2.47 (5.45)	1.24 (2.73)	1.93 (4.26)	1.03 (2.27)	*1.34 (2.95)	7.86 (25'9")
	−2 (−6'7")	*4.54 (10.0)	*4.54 (10.0)	4.71 (10.4)	*7.87 (17.4)	2.95 (6.50)	4.69 (10.3)	2.09 (4.61)	3.25 (7.17)	1.57 (3.46)	2.44 (5.38)	1.23 (2.71)	1.92 (4.23)	1.16 (2.56)	*1.55 (3.42)	7.35 (24'1")
	−3 (−9'10")	*6.88 (15.2)	*6.88 (15.2)	4.75 (10.5)	*7.74 (17.1)	2.95 (6.50)	4.70 (10.4)	2.08 (4.59)	3.25 (7.17)	1.58 (3.48)	2.45 (5.40)			1.40 (3.09)	*1.90 (4.19)	6.61 (21'8")
	−4 (−13'1")	*8.99 (19.8)	*8.99 (19.8)	4.84 (10.7)	*6.68 (14.7)	3.01 (6.64)	4.76 (10.5)	2.13 (4.70)	3.30 (7.28)					1.91 (4.21)	*2.53 (5.58)	5.54 (18'2")

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.