

HITACHI

Super EX

EX300

Rated Engine HP: 155 kW (208 HP)

Operating Weights

EX300-3c: 29 400 kg (64 800 lb)

EX300LC-3c: 30 900 kg (68 100 lb)

Bucket Capacity

PCSA Heaped: 1.15—1.86 m³ (1.50—2.43 yd³)

CECE Heaped: 1.00—1.60 m³



SuperEX EX300

The age calls for a productive, environmentally-friendly hydraulic excavator. The EX300 is Hitachi's answer. The EX300 comes with impressive features. Take a look at the emissions control engine, strengthened sturdy body, and enhanced operator comfort through refined suspension seat.

Refined Sealing of Hydraulic Cylinders

Dust seals at boom, arm and bucket cylinders are refined for higher resistance to oil leakage.

High-tensile steel is employed at the top of the boom for increased strength.

Refined Suspension Seat and Seat Belt for Operator Comfort

Strengthened Cab Bed Structure

Interlocking mounting side cutters prevent the bucket side plates from wear, increasing durability.

Emergency evacuation hammer is provided in the cab.

H

itachi's Answer to Today's Needs. The EX300. Environmentally Friendly Hydraulic Excavator.

Boom foot pin is hard chrome plated for added wear resistance.

Emissions Control Engine

The engine is designed to reduce pollutants (hydrocarbons, carbon monoxide and nitrogen oxides) in gas emissions for environmental protection, conforming to the Emission Standards in Japan and USA.

Enhanced Cooling Ability

Blower flow rate is increased, and engine cover is slit for effective cooling around the radiator inside the machine.

Improved Stability

Reinforcement of frame and undercarriage increases machine weight for higher stability.

Weight-added Counterweight

The 500 kg (1 100 lb) added counterweight increases stability. The 1 000 kg (2 200 lb) added counterweight is also optionally available.

Strengthened center frame, using 16% thicker plates at the top and bottom of the center frame.

Strengthened Idler Bracket

Front idler bracket is thickened (40%) for added strength.

Strengthened Side Steps

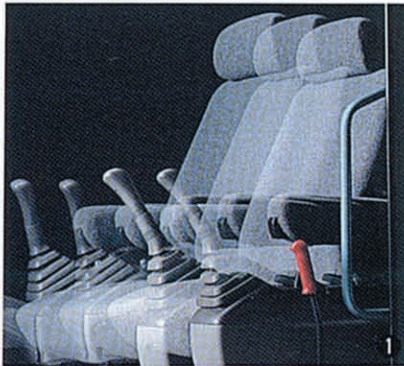
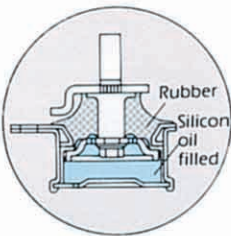
Bolted side steps are strengthened to resist deformation.

Round Travel Motor Covers

H Hitachi's Design Advances Stay Ahead . . .

● Comfortable Shock-Dampening Ride

Fluid-filled elastic mount supporting the cab effectively dampens shocks and vibration. Cab bed structure is re-designed for added strength and rigidity. Six seat adjustments—including seat tilt angle and height adjustments—help the operator to find the most comfortable operating position. The refined suspension seat enhances riding comfort.



① Sliding Cockpit

The operator seat, termed the sliding cockpit, glides separately, or together with control levers and monitor, panel, adjusting to the proportions of the operator.



• Seat Belt



② E-P Control for Bigger Production

The job-proven E-P (Engine-Pump) control delivers power and speed to suit job requirements. Auto Idle is provided for energy savings.

● Quick Response to Lever Control

Up-down movement of the boom is well matched with lever inching control. This brings productivity to tamping in civil engineering works and land grading projects. Power Boost yields power surges when needed.



③ Improved Four Work Mode Selector

The operator can choose from four work modes according to job needs at the touch of a finger. Select the standard work mode for heavy-duty operation and loading; the light excavation mode for light-duty operation and digging; the slow mode for final finishing and leveling; and the precision mode for accurate work and inching.



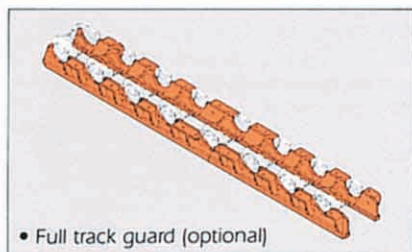
④ Curved Monitor

The monitor is ergonomically curved for easy reading. Touch-control resin-molded switches seal out dirt.



Operator- and Environmentally-Friendly Design Enhances Simplified Maintenance and Reliability.

① **Large track links** are fitted with struts for added durability. Pin seal prevents dirt entry and reduces internal wear. Full track guard is optionally available.

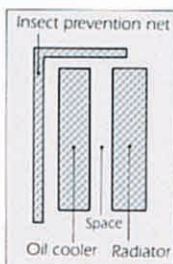


• Full track guard (optional)

② **Enlarged refueling strainer** eases gun refueling, and its float-type level indicator allows quick reading of fuel level.

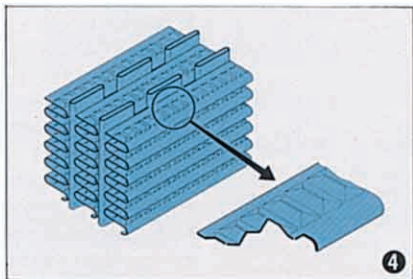
③ **Easy Cleaning of Radiator**

Insect prevention net is readily detachable to give space between radiator and oil cooler. This space makes an air nozzle accessible for easy cleaning.

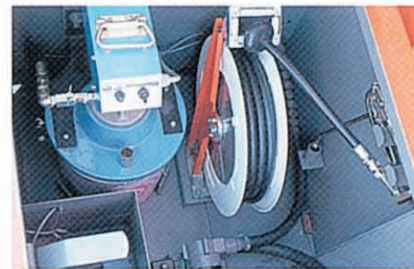


④ **Wave-finned Radiator**

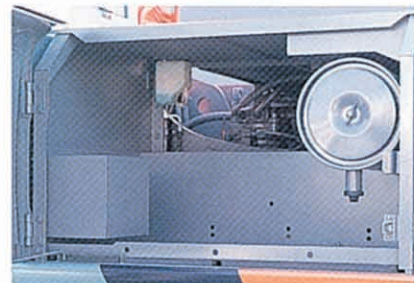
The radiator is fitted with waved fins to avoid dust clogging for simplified maintenance and servicing.



• Large tool box



• Electric grease gun with hose reel (optional) and refuel pump (optional)



• Utility space

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
- 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: with speed sensing system)
- Work 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
- Travel cushion valve in travel 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, auto-idle switch, seat belt, ashtray, parcel pocket, rear tray, floor mat, heater and pilot control shut-off lever, travel alarm with cancel switch.

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

- 3 working lights and 1 cab light

UPPERSTRUCTURE

- Undercover
- 6 700 kg (14 800 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
- Reinforced side step (bolt on type)
- 600 mm (24") triple grouser shoes: EX300-3c
- 800 mm (31") triple grouser shoes: EX300LC-3c

FRONT ATTACHMENTS

- Bucket clearance adjust mechanism
- Monolithically cast bucket link A
- Centralized lubrication system
- Dirt seals on all bucket pins
- 3.20 m (10'6") arm
- 1.38 m³ (1.80 yd³): PCSA heaped bucket

MISCELLANEOUS

- Standard tool kit
- Lockable machine covers
- 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
- Headguard-Integrated cab
- AM-FM radio
- Hose rupture valves
- Electric fuel refilling pump
- Swing motion alarm device with lamps
- Additional pump
- Piping kit for extra valve port
- Additional valve with piping kit

- Tropical cover
- 1.38 m³ (1.80 yd³): PCSA heaped rock bucket
- 1.38 m³ (1.80 yd³): PCSA heaped Level pin-reinforced bucket
- Front glass guard (lower & upper)
- Reinforced undercover for upperstructure
- Full track guard
- Air cleaner double element
- Fuel double element
- Electric grease gun with hose reel
- Front glass shatter-resistant film sheet



ENGINE

Model.....	Isuzu A-6SD1TQA
Type.....	4-cycle water-cooled, direct injection
Aspiration.....	Turbocharged
No. of cylinders.....	6
Rated flywheel.....	162 kW (220 PS) at 2 000 min ⁻¹ (rpm)
horsepower (DIN 6271, net)	
Rated flywheel.....	155 kW (208 HP) at 2 000 min ⁻¹ (rpm)
horsepower (SAE J1349, net)	
Maximum torque.....	834 N·m (85 kgf·m, 615 lbf·ft)
	at 1 400 min ⁻¹ (rpm)
Piston displacement.....	9.84 L (600 in ³)
Bore and stroke.....	120 mm × 145 mm (4.7" × 5.7")
Batteries.....	2 × 12 V, 160 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.

- Engine speed sensing system
P (Power) mode / E (Economy) mode
L (Low speed) mode / I (Low idle) mode
- Work mode selector
General-purpose mode / Light excavation
Slow mode / Precision mode

Power selector designed for maximum productivity and fuel savings.	
Main pumps.....	2 variable displacement axial piston pumps
Maximum oil flow.....	2 × 273 L/min (72.1 US gpm, 60.1 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.....	1 axial piston motor

Relief Valve Settings

Implement circuit.....	29.4 MPa [300 kgf/cm ² , 4 270 psi]
Swing circuit.....	26.4 MPa [270 kgf/cm ² , 3 840 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	145 mm (5.71")	100 mm (3.94")
Arm	1	165 mm (6.50")	110 mm (4.33")
Bucket	1	145 mm (5.71")	95 mm (3.74")

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. Multi rotary pilot control 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 cushion valve built in swing motor absorbs shocks when stopping swing.

Swing speed.....	12.0 min ⁻¹ (rpm)
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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 excellent visibility. Front windows (upper and lower) are openable and storable in the cab. Adjustable, reclining seat with arm-rests; movable with or without control levers and monitor panel.

* International Standard Organization



UNDERCARRIAGE

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. Flat and triangular shoes also available. Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

Number of Rollers and Shoes on Each Side

Upper rollers.....	2
Lower rollers.....	8: EX300-3c 9: EX300LC-3c
Track shoes.....	47: EX300-3c 50: EX300LC-3c
Track guard.....	1

Traction Device

Each track driven by axial piston motor through reduction gears for counter-rotation 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, ensuring smooth stops.

Automatic transmission system; High—Medium.

Travel speeds.....	High: 0 to 5.5 km/h (3.4 mph)
	Medium: 0 to 3.9 km/h (2.4 mph)
	Low: 0 to 2.6 km/h (1.6 mph)

Maximum traction force.....	220 kN [22 400 kgf, 49 400 lbf]
Gradeability.....	35° (70%) continuous

WEIGHTS AND GROUND PRESSURE

EX300-3c/EX300LC-3c:

Equipped with 6.40 m (21'0") boom, 3.20 m (10'6") arm, and 1.38 m³ (1.80 yd³) PCSA heaped) bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grouser	600 mm (24")	29 400 kg (64 800 lb)	60 kPa (0.61 kgf/cm ² , 8.67 psi)
		29 900 kg (65 900 lb)	57 kPa (0.58 kgf/cm ² , 8.25 psi)
	800 mm (31")	30 300 kg (66 800 lb)	46 kPa (0.47 kgf/cm ² , 6.68 psi)
		30 900 kg (68 100 lb)	44 kPa (0.45 kgf/cm ² , 6.40 psi)
Flat	600 mm (24")	30 500 kg (67 200 lb)	62 kPa (0.63 kgf/cm ² , 8.96 psi)
		31 100 kg (68 600 lb)	59 kPa (0.60 kgf/cm ² , 8.53 psi)
Triangular	910 mm (36")	30 800 kg (67 900 lb)	41 kPa (0.42 kgf/cm ² , 5.97 psi)
		31 400 kg (69 200 lb)	39 kPa (0.40 kgf/cm ² , 5.69 psi)

Figures in are data on the EX300LC-3c.

Note: Depending on the jobsite conditions, 800 mm (31") grouser shoe, 600 mm (24") flat shoes and 910 mm (36") triangular shoes may not be recommended for rock, hard surface or forestry application.

Weights of the basic machines [including 6 700 kg (14 800 lb), counterweight and triple grouser shoes, excluding front-end attachment, fuel, Hyd. oil, Eng. oil and coolant etc.] are:

EX300-3c	22 500 kg (49 600 lb) with 600 mm (24") shoes
EX300LC-3c	24 100 kg (53 100 lb) with 800 mm (31") shoes

Buckets

Capacity		Width		No. of teeth	Weight	Recommendation					
PCSA heaped	CECE heaped	Without side cutters	With side cutters			EX300-3c			EX300LC-3c		
						2.66 m (8'9") arm	3.20 m (10'6") arm	4.00 m (13'1") arm	2.66 m (8'9") arm	3.20 m (10'6") arm	4.00 m (13'1") arm
1.15 m ³ (1.50 yd ³)	1.00 m ³	1 100 mm (43")	1 230 mm (48")	5	970 kg (2 150 lb)	●	●	●	●	●	●
1.38 m ³ (1.80 yd ³)	1.20 m ³	1 280 mm (50")	1 410 mm (56")	5	1 080 kg (2 380 lb)	●	●	○	●	●	○
1.62 m ³ (2.12 yd ³)	1.40 m ³	1 460 mm (57")	1 600 mm (63")	5	1 150 kg (2 540 lb)	○	○	—	○	○	□
1.86 m ³ (2.43 yd ³)	1.60 m ³	1 640 mm (65")	—	5	1 070 kg (2 360 lb)	□	—	—	□	—	—
*1 1.40 m ³ (1.80 yd ³)	1.20 m ³	1 280 mm (50")	1 410 mm (56")	5	1 290 kg (2 840 lb)	●	●	○	●	●	○
*2 1.15 m ³ (1.50 yd ³)	1.00 m ³	1 160 mm (46")	—	5	1 260 kg (2 780 lb)	●	●	●	●	●	○
*2 1.38 m ³ (1.80 yd ³)	1.20 m ³	—	1 340 mm (53")	5	1 230 kg (2 710 lb)	●	●	●	●	●	○
*3 1.38 m ³ (1.80 yd ³)	1.20 m ³	—	1 340 mm (53")	5	1 230 kg (2 710 lb)	●	●	●	●	●	○
Ripper bucket: 0.92 m ³ (1.20 yd ³); PCSA heaped), 0.8 m ³ (CECE heaped)		1 010 mm (40")	—	3	1 490 kg (3 290 lb)	●	●	—	●	●	—
One-point ripper				1	850 kg (1 880 lb)	●	●	—	●	●	—
Clamshell bucket: 0.60 m ³ (0.78 yd ³); CECE heaped), Width 940 mm (37")				8	1 240 kg (2 730 lb)	●	●	●	●	●	●

*1 Reinforced bucket

*2 Rock bucket

*3 1.38 m³ (1.80 yd³) rock bucket equipped with side shroud.

*4 Level-pin-reinforced bucket

● 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

□ Suitable for materials with density of 1 100 kg/m³ (1 850 lb/yd³) or less

● Heavy-duty service

— Not recommended



SERVICE REFILL CAPACITIES

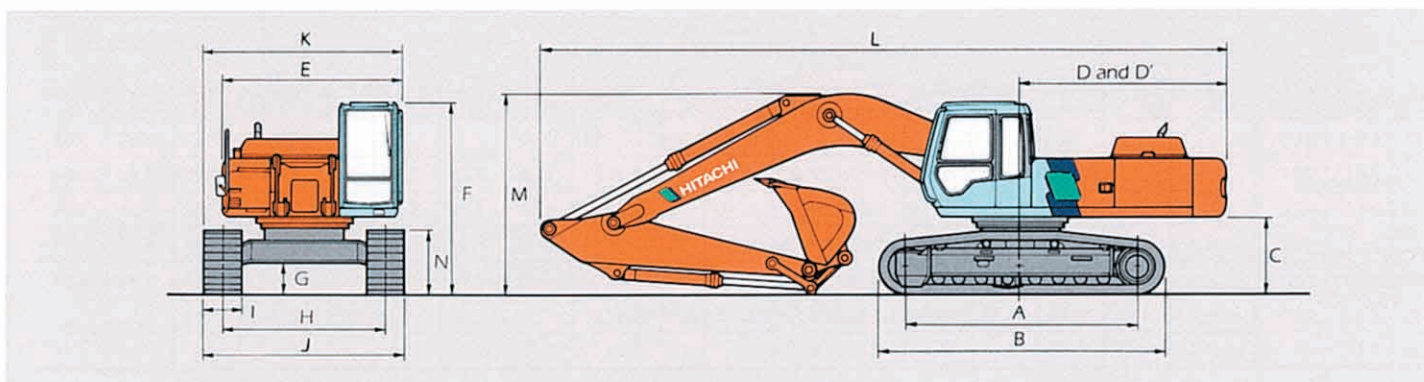
	liters	US gal	Imp gal
Fuel tank	510.0	134.7	112.2
Engine coolant	33.5	8.9	7.4
Engine oil	35.0	9.2	7.7
Pump drive	1.4	0.4	0.3
Swing mechanism	17.0	4.5	3.7
Travel final device	8.8	2.3	1.9
(each side)			
Hydraulic system	310.0	81.9	68.2
Hydraulic tank	154.0	40.7	33.9



BACKHOE ATTACHMENTS

Boom and arms of all-welded, box-section design. 6.40 m (21'0") boom, 2.66 m (8'9"), 3.20 m (10'6") and 4.00 m (13'1") arms are available. Bucket is of all-welded, high-strength steel structure. Side clearance adjust mechanism provided on the bucket joint bracket.

DIMENSIONS

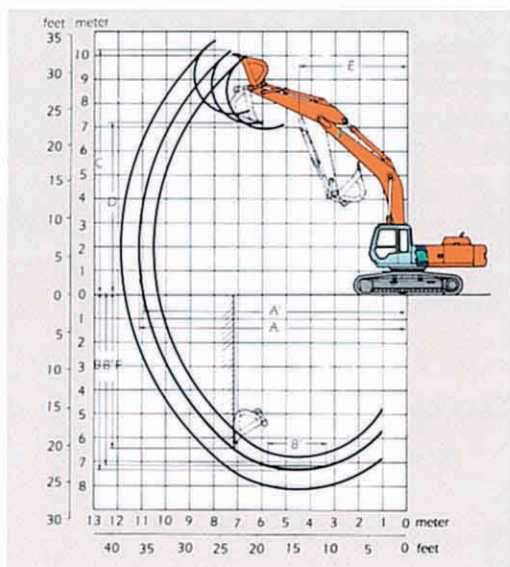


	EX300-3c	EX300LC-3c
A Distance between tumbler	3 710 mm (12'2")	4 010 mm (13'2")
B Undercarriage length	4 570 mm (15'0")	4 870 mm (16'0")
*C Counterweight clearance	1 170 mm (3'10")	1 170 mm (3'10")
D Rear-end swing radius	3 300 mm (10'10")	3 300 mm (10'10")
D' Rear-end length	3 290 mm (10'10")	3 290 mm (10'10")
E Overall width of upperstructure	2 880 mm (9'5")	2 880 mm (9'5")
F Overall height of cab	3 010 mm (9'11")	3 010 mm (9'11")
*G Min. ground clearance	500 mm (1'8")	500 mm (1'8")
H Track gauge	2 590 mm (8'6")	2 590 mm (8'6")
I Track shoe width	G600 mm (24")	G800 mm (31")
J Undercarriage width	3 190 mm (10'6")	3 390 mm (11'1")
K Overall width	3 190 mm (10'6")	3 390 mm (11'1")
L Overall length		
With 2.66 m (8'9") arm	11 060 mm (36'3")	11 060 mm (36'3")
With 3.20 m (10'6") arm	10 940 mm (35'11")	10 940 mm (35'11")
With 4.00 m (13'1") arm	11 010 mm (36'1")	11 010 mm (36'1")
M Overall height of boom		
With 2.66 m (8'9") arm	3 410 mm (11'2")	3 410 mm (11'2")
With 3.20 m (10'6") arm	3 200 mm (10'6")	3 200 mm (10'6")
With 4.00 m (13'1") arm	3 490 mm (11'5")	3 490 mm (11'5")
N Track height	1 000 mm (3'3")	1 000 mm (3'3")

* Excluding track shoe lug

G: Triple grouser shoe

WORKING RANGES



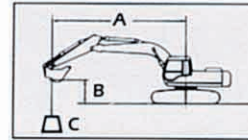
EX300-3c/EX300LC-3c

Unit: mm (ft in)

		EX300-3c/EX300LC-3c		
Arm length		2.66 m (8'9")	3.20 m (10'6")	4.00 m (13'1")
A	Max. digging reach	10 570 (34'8")	11 100 (36'5")	11 860 (38'11")
A'	Max. digging reach (on ground)	10 360 (34'0")	10 900 (35'9")	11 680 (38'4")
B	Max. digging depth	6 840 (22'5")	7 380 (24'3")	8 180 (26'10")
B'	Max. digging depth (8' level)	6 650 (21'10")	7 220 (23'8")	8 050 (26'5")
C	Max. cutting height	9 850 (32'4")	10 220 (33'6")	10 600 (34'9")
D	Max. dumping height	6 810 (22'4")	7 120 (23'4")	7 490 (24'7")
E	Min. swing radius	4 540 (14'11")	4 450 (14'7")	4 380 (14'4")
F	Max. vertical wall	5 610 (18'5")	6 480 (21'3")	7 360 (24'2")
Bucket digging force	ISO	204 kN (20 800 kgf, 45 900 lbf)		
	SAE: PCSA	178 kN (18 100 kgf, 39 900 lbf)		
Arm crowd force	ISO	169 kN (17 200 kgf, 37 900 lbf)	140 kN (14 300 kgf, 31 500 lbf)	120 kN (12 200 kgf, 26 900 lbf)
	SAE: PCSA	162 kN (16 500 kgf, 36 400 lbf)	134 kN (13 700 kgf, 30 200 lbf)	116 kN (11 800 kgf, 26 000 lbf)

Excluding track shoe lug

LIFTING CAPACITIES



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

METRIC MEASURE

EX300-3C

Rating over-side or 360 degrees Rating over-front Unit: 1 000 kg

Conditions	Load point height m	Load radius														At max. reach		
		4		5		6		7		8		9		10		@m		
																		
Boom 6.40 m Arm 2.66 m Bucket PCSA: 1.38 m ³ CECE: 1.20 m ³ Shoes 600 mm	6							*5.87	*5.87	4.90	*5.73					3.47	*4.69	9.54
	4			*9.53	*9.53	7.57	*7.86	5.88	*6.90	4.67	*6.28	3.75	5.50			2.98	4.46	10.1
	2					6.80	*9.89	5.40	7.97	4.36	6.44	3.56	5.30			2.84	4.30	10.1
	0			8.30	*9.38	6.40	9.71	5.07	7.62	4.13	6.19	3.41	5.14			2.99	4.53	9.74
	-2	*12.2	*12.2	8.50	*8.92	6.34	9.64	4.99	7.53	4.06	6.12					3.58	5.38	8.79
	-4	*9.45	*9.45	8.74	*10.2	6.51	*8.75	5.13	*7.34									
	-5	*9.13	*9.13	*8.20	*8.20	6.72	*6.96											
Boom 6.40 m Arm 3.20 m Bucket PCSA: 1.38 m ³ CECE: 1.20 m ³ Shoes 600 mm	6									4.97	*5.19	3.90	*4.37			*2.92	*2.92	10.1
	4					*7.17	*7.17	5.97	*6.37	4.72	*5.85	3.78	*5.50			2.67	*3.00	10.6
	2			9.05	*12.0	6.93	*9.34	5.46	*7.78	4.38	6.47	3.56	5.30	2.91	4.40	2.54	*3.24	10.7
	0	*7.39	*7.39	8.47	*10.6	6.43	9.75	5.08	7.64	4.11	6.18	3.37	5.11	2.80	4.28	2.66	*3.71	10.3
	-2	*9.65	*9.65	8.41	*11.7	6.28	9.59	4.93	7.48	3.99	6.05	3.30	5.03			3.13	*4.58	9.41
	-4	*10.9	*10.9	8.60	*11.0	6.39	*9.34	5.01	7.56							4.08	6.14	7.82
	-6			*6.89	*6.89	*5.55	*5.55											
Boom 6.40 m Arm 4.00 m Bucket PCSA: 1.15 m ³ CECE: 1.00 m ³ Shoes 600 mm	6											4.11	*4.57	*2.85	*2.85	*2.31	*2.31	10.9
	4									4.91	*5.29	3.93	*5.02	3.17	4.68	*2.37	*2.37	11.4
	2			9.56	*10.7	7.24	*8.50	5.67	*7.19	4.53	*6.33	3.68	5.43	3.01	4.51	2.27	*2.55	11.4
	0	*7.99	*7.99	8.65	*13.0	6.58	9.92	5.20	7.77	4.20	6.28	3.45	5.18	2.85	4.34	2.35	*2.90	11.1
	-2	*8.76	*8.76	8.39	13.1	6.31	9.61	4.96	7.51	4.02	6.08	3.31	5.04	2.77	4.26	2.68	*3.53	10.3
	-4	*12.2	*12.2	8.47	*12.1	6.31	9.62	4.95	7.49	4.01	6.07					3.31	5.03	8.88
	-6	*10.7	*10.7	8.81	*9.08	6.58	*7.62	5.19	*6.17									

- Notes: 1. Ratings are based on SAE J11097
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3. The load point is a hook (not standard equipment) located on the back of the bucket.
4. *Indicates load limited by hydraulic capacity.

METRIC MEASURE

EX300LC-3c



Rating over-side or 360 degrees



Rating over-front

Unit: 1 000 kg

Conditions	Load point height m	Load radius														At max. reach		
		4		5		6		7		8		9		10		m		
																@m		
Boom 6.40 m Arm 2.66 m Bucket PCSA: 1.38 m ³ CECE: 1.20 m ³ Shoes 800 mm	6							*5.87	*5.87	5.14	*5.73					3.66	*4.69	9.54
	4			*9.53	*9.53	*7.86	*7.86	6.16	*6.90	4.91	*6.28	3.96	*5.90			3.16	*4.84	10.1
	2					7.14	*9.89	5.67	*8.19	4.60	*7.11	3.77	6.22			3.02	5.07	10.1
	0			8.72	*9.38	6.74	*10.8	5.35	*8.98	4.36	7.29	3.61	6.06			3.18	5.35	9.74
	-2	*12.2	*12.2	*8.92	*8.92	6.68	*10.5	5.27	*8.84	4.29	7.21					3.79	*6.01	8.79
	-4	*9.45	*9.45	9.17	*10.2	6.85	*8.75	5.41	*7.34									
	-5	*9.13	*9.13	*8.20	*8.20	*6.96	*6.96											
Boom 6.40 m Arm 3.20 m Bucket PCSA: 1.38 m ³ CECE: 1.20 m ³ Shoes 800 mm	6									*5.19	*5.19	4.11	*4.37			*2.92	*2.92	10.1
	4					*7.17	*7.17	6.25	*6.37	4.95	*5.85	3.98	*5.50			2.84	*3.00	10.6
	2			9.49	*12.0	7.27	*9.34	5.74	*7.78	4.62	*6.77	3.76	*6.08	3.09	5.19	2.71	*3.24	10.7
	0	*7.39	*7.39	8.90	*10.6	6.77	*10.6	5.36	*8.78	4.35	7.28	3.58	6.02	2.98	5.07	2.84	*3.71	10.3
	-2	*9.65	*9.65	8.84	*11.7	6.62	*10.6	5.21	8.84	4.23	7.15	3.51	5.95			3.32	*4.58	9.41
	-4	*10.9	*10.9	9.03	*11.0	6.73	*9.34	5.24	*7.88							4.31	*6.50	7.82
	-6			*6.89	*6.89	*5.55	*5.55											
Boom 6.40 m Arm 4.00 m Bucket PCSA: 1.15 m ³ CECE: 1.00 m ³ Shoes 800 mm	6											4.31	*4.57	*2.85	*2.85	*2.31	*2.31	10.9
	4									5.15	*5.29	4.14	*5.02	3.36	*4.86	*2.37	*2.37	11.4
	2			9.99	*10.7	7.57	*8.50	5.94	*7.19	4.77	*6.33	3.89	*5.73	3.19	*5.30	2.43	*2.55	11.4
	0	*7.99	*7.99	9.08	*13.0	6.92	*10.2	5.48	*8.46	4.44	*7.24	3.65	6.10	3.03	5.13	2.51	*2.90	11.1
	-2	*8.76	*8.76	8.82	*13.2	6.64	*10.8	5.24	8.87	4.25	7.17	3.52	5.96	2.96	5.05	2.86	*3.53	10.3
	-4	*12.2	*12.2	8.90	*12.1	6.65	*10.1	5.22	*8.47	4.24	*7.16					3.54	5.93	8.88
	-6	*10.7	*10.7	*9.08	*9.08	6.92	*7.62	5.47	*6.17									

- 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) located on the back of the bucket.
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ENGLISH MEASURE

EX300-3c



Rating over-side or 360 degrees



Rating over-front

Unit: 1 000 lb

Conditions	Load point height	Load radius												At max. reach		
		5 ft		10 ft		15 ft		20 ft		25 ft		30 ft		35 ft		@ft in
Boom 21'0" Arm 8'9" Bucket PCSA: 1.80 yd ³ Shoes 24"	20 ft									11.9	*12.7					7.73 *10.3 31'2"
	15 ft							*15.9	*15.9	11.4	*13.7	8.09	11.9			6.80 10.1 32'9"
	10 ft							15.5	*19.2	10.8	*15.3	7.84	11.6			6.35 9.56 33'4"
	5 ft							14.4	21.5	10.2	15.2	7.54	11.3			6.28 9.51 33'1"
	0							13.8	20.9	9.82	14.7	7.32	11.0			6.60 9.99 31'11"
	-5 ft					21.6	*22.1	13.6	20.7	9.65	14.5	7.27	11.0			7.46 11.2 29'9"
	-10 ft			*32.2	*32.2	*20.1	*20.1	13.8	20.9	9.74	14.6					9.37 *12.9 26'3"
	-15 ft					*21.3	*21.3	14.2	*17.0							
Boom 21'0" Arm 10'6" Bucket PCSA: 1.80 yd ³ Shoes 24"	20 ft									*11.5	*11.5	*7.48	*7.48			*6.43 *6.43 33'0"
	15 ft									11.6	*12.7	8.17	*11.8			6.08 *6.52 34'6"
	10 ft					24.5	*25.7	15.8	*17.8	10.9	*14.4	7.86	11.6			5.69 *6.82 35'1"
	5 ft							14.6	*21.1	10.3	15.2	7.52	11.3			5.61 *7.35 34'10"
	0					*20.0	*20.0	13.8	21.0	9.80	14.7	7.24	11.0			5.87 *8.19 33'9"
	-5 ft			*13.8	*13.8	*19.3	*19.3	13.5	20.6	9.54	14.4	7.10	10.8			6.55 *9.53 31'9"
	-10 ft			*25.8	*25.8	21.7	*24.7	13.6	20.7	9.53	14.4					8.00 *11.8 28'6"
	-15 ft			*18.7	*18.7	22.3	*23.9	13.9	*18.8	9.85	*13.9					*11.1 *11.1 23'6"
Boom 21'0" Arm 13'1" Bucket PCSA: 1.50 yd ³ Shoes 24"	20 ft											8.77	*10.1			*5.10 *5.10 35'8"
	15 ft											8.54	*10.7			*5.16 *5.16 37'1"
	10 ft					*21.4	*21.4	*15.8	*15.8	11.4	*13.2	8.17	*11.7	5.95	*8.61	5.09 *5.38 37'7"
	5 ft					23.3	*28.7	15.2	*19.5	10.6	*15.2	7.75	11.5	5.74	8.75	5.01 *5.77 37'5"
	0					21.8	*27.5	14.2	21.3	10.0	15.0	7.39	11.1	5.56	8.60	5.18 *6.40 36'5"
	-5 ft			*15.2	*15.2	21.4	*26.1	13.6	20.7	9.64	14.5	7.15	10.9			5.67 *7.37 34'6"
	-10 ft	*18.3	*18.3	*20.8	*20.8	21.5	*28.6	13.5	20.6	9.50	14.4	7.09	10.8			6.68 *8.97 31'8"
	-15 ft			*21.6	*21.6	21.8	*27.3	13.7	20.8	9.62	14.5					8.77 *11.2 27'3"
	20 ft					*26.6	*26.6	*21.0	*21.0	14.2	*16.1					

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ENGLISH MEASURE

EX300LC-3C



Rating over-side or 360 degrees



Rating over-front Unit: 1 000 lb

Conditions	Load point height	Load radius												At max. reach				
		5 ft		10 ft		15 ft		20 ft		25 ft		30 ft		35 ft		At max. reach		
																		@ft in
Boom 21'0" Arm 8'9" Bucket PCSA: 1.80 yd ³ Shoes 31"	20 ft									12.4	*12.7					8.15	*10.3	31'2"
	15 ft							*15.9	*15.9	12.0	*13.7	8.53	*12.8			7.20	*10.5	32'9"
	10 ft							16.2	*19.2	11.4	*15.3	8.28	*13.3			6.74	*11.0	33'4"
	5 ft							15.1	*22.1	10.8	*16.9	7.99	13.3			6.67	11.2	33'1"
	0							14.5	*23.4	10.4	17.3	7.76	13.0			7.01	11.8	31'11"
	-5 ft					*22.1	*22.1	14.3	*23.1	10.2	17.2	7.72	13.0			7.91	13.2	29'9"
	-10 ft			*32.2	*32.2	*20.1	*20.1	14.5	*21.2	10.3	*16.4					9.89	*12.9	26'3"
	-15 ft					*21.3	*21.3	15.0	*17.0									
-20 ft																		
Boom 21'0" Arm 10'6" Bucket PCSA: 1.80 yd ³ Shoes 31"	20 ft									*11.5	*11.5	*7.48	*7.48			*6.43	*6.43	33'0"
	15 ft									12.1	*12.7	8.61	*11.8			6.45	*6.52	34'6"
	10 ft					25.6	*25.7	16.5	*17.8	11.5	*14.4	8.30	*12.6			6.06	*6.82	35'1"
	5 ft							15.3	*21.1	10.8	*16.2	8.00	13.2			5.99	*7.35	34'10"
	0					*20.0	*20.0	14.6	*23.0	10.4	17.3	7.68	12.9			6.25	*8.19	33'9"
	-5 ft			*13.8	*13.8	*19.3	*19.3	14.3	*23.3	10.1	17.1	7.54	12.8			6.97	*9.53	31'9"
	-10 ft			*25.8	*25.8	22.8	*24.7	14.3	*22.0	10.1	*17.0					8.47	*11.8	28'6"
	-15 ft			*18.7	*18.7	23.3	*23.9	14.6	*18.8	10.4	*13.9					*11.1	*11.1	23'6"
-20 ft																		
Boom 21'0" Arm 13'1" Bucket PCSA: 1.50 yd ³ Shoes 31"	20 ft											9.22	*10.1			*5.10	*5.10	35'8"
	15 ft											8.98	*10.7			*5.16	*5.16	37'1"
	10 ft					*21.4	*21.4	*15.8	*15.8	11.9	*13.2	8.61	*11.7	6.32	*8.61	*5.38	*5.38	37'7"
	5 ft					24.4	*28.7	15.9	*19.5	11.2	*15.2	8.20	*12.8	6.11	*10.1	5.35	*5.77	37'5"
	0					22.9	*27.5	14.9	*22.1	10.6	*16.9	7.84	13.1	5.93	*9.81	5.53	*6.40	36'5"
	-5 ft			*15.2	*15.2	22.5	*26.1	14.4	*23.3	10.2	17.2	7.60	12.9			6.05	*7.37	34'6"
	-10 ft	*18.3	*18.3	*20.8	*20.8	22.5	*28.6	14.2	*22.9	10.1	17.0	7.54	12.8			7.10	*8.97	31'8"
	-15 ft			*21.6	*21.6	22.9	*27.3	14.4	*20.8	10.2	*16.0					9.27	*11.2	27'3"
-20 ft			*26.6	*26.6	*21.0	*21.0	14.9	*16.1										

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These specifications are subject to change without notice.
Illustrations and photos show the standard models, and may or may not include optional
equipment, accessories, and all standard equipment.