HITACHI

Super EX V

EX135USR

Rated Engine Horsepower
DIN 6271, net
Std. mode : 63 kW (85 PS)
H/P mode : 66 kW (90 PS)
SAE J1349, net
Std. mode : 60 kW (81 HP)
H/P mode : 63 kW (84 HP)
Operating Weight
13 200 kg (29 100 lb)
Bucket Capacity
PCSA Heaped : 0.19 – 0.59 m^3
(0.25 – 0.77 yd^3)
CECE Heaped : 0.17 – 0.50 m^3

Designed for Bigger Production in Smaller Space, the Hitachi EX135USR Comes with the Compact Rear Body, Without Sacrificing the Front and Cab of the EX120

Short Rear-end Turning Radius

- 1 690 mm (EX135USR) Vs. 2 130 mm (EX120)

Bigger Traction Force

- 11% Increase over the EX120

Ample Working Ranges and Fast Front Speeds

- The EX135USR gives the performance and operator comfort equivalent to the EX120, using the engine, hydraulic equipment and cab of the EX120

High Stability over the EX120

- Weight-added counterweight
- Reinforced main frame and track frame

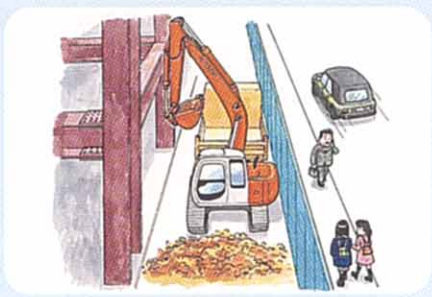
Roomy Comfortable Cab

- Spacious cab common to the EX Series
- Large-capacity air conditioner is optionally available

The EX135USR Makes the Difference on Tough Job Sites

Shortening Job Schedule on Confined Job Sites

The EX135USR boosts productivity on confined job sites, with short rear-end turning radius and high stability. Its compact rear body enables efficient work in narrow space where only smaller machines (of up to 6-ton class) can work. Also, dumping onto a 11-ton dump truck is easy and efficient, with the EX135USR positioned closer to the truck.



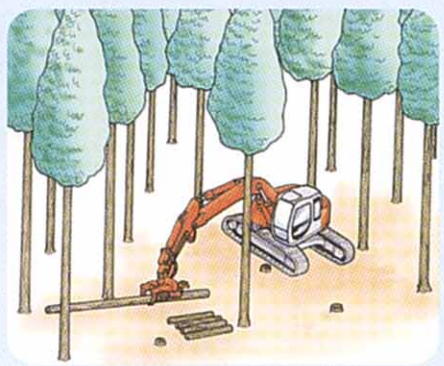
Efficient Forest Road Building with Short Rear-end Radius

The key to efficient forest road building is a short rear-end turning radius.
The right answer is the EX135USR.

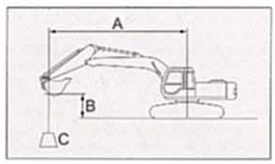
Productive Forest Work

The EX135USR gives efficient, productive forest work including logging and fixed-length log cutting, with a variety of special front attachments - the harvester, processor, feller-buncher, grapple saw and grapple.

NOTE: For logging work, each special attachment requires an exclusive piping.



LIFTING CAPACITIES



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

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

Operating Conditions	Load Point Height	Load Radius 2 m (6'7")		3 m (9'10")		4 m (13'2")		5 m (16'5")		6 m (19'8")		7 m (23'0")		Maximum Reach		
																meter (ft in)
Boom 4.6 m (15'1") Arm 2.52 m (8'3") Bucket PCSA Heaped: 0.46 m³ (0.60 yd³) CECE Heaped: 0.40 m³ Shoes: 500 mm (20")	6 m (19'8")							*2.21 (*4.87)	*2.21 (*4.87)					*1.16 (*2.56)	*1.16 (*2.56)	6.62 (21'9")
	5 m (16'5")							*2.53 (*5.58)	*2.53 (*5.58)	*2.00 (*4.41)	*2.00 (*4.41)			*1.11 (*2.45)	*1.11 (*2.45)	7.25 (23'9")
	4 m (13'2")							*2.74 (*6.04)	*2.74 (*6.04)	2.16 (4.76)	*2.54 (*5.60)			*1.09 (*2.40)	*1.09 (*2.40)	7.67 (25'2")
	3 m (9'10")			*3.47 (*7.65)	*3.47 (*7.65)	*3.38 (*7.45)	*3.38 (*7.45)	2.87 (6.33)	*3.25 (*7.17)	2.11 (4.65)	*2.97 (*6.55)	1.60 (3.53)	*2.01 (*4.43)	*1.11 (*2.45)	*1.11 (*2.45)	7.92 (26')
	2 m (6'7")					3.90 (8.60)	*4.70 (*10.4)	2.75 (6.06)	*3.80 (*8.38)	2.05 (4.52)	3.11 (6.86)	1.57 (3.46)	2.41 (5.31)	*1.15 (*2.54)	*1.15 (*2.54)	8.02 (26'4")
	1 m (3'3")					3.69 (8.14)	*5.65 (*12.5)	2.63 (5.80)	4.06 (8.95)	1.98 (4.37)	3.04 (6.70)	1.53 (3.37)	2.37 (5.22)	*1.22 (*2.69)	*1.22 (*2.69)	7.97 (26'2")
	0 (Ground)					3.55 (7.83)	5.66 (12.5)	2.54 (5.60)	3.96 (8.73)	1.92 (4.23)	2.98 (6.57)	1.50 (3.31)	2.34 (5.16)	1.26 (2.78)	*1.33 (*2.93)	7.77 (25'6")
	-1 m (-3'3")			*5.48 (*12.1)	*5.48 (*12.1)	3.48 (7.67)	5.59 (12.3)	2.48 (5.47)	3.89 (8.58)	1.88 (4.14)	2.93 (6.46)	1.48 (3.26)	2.31 (5.09)	1.36 (3.00)	*1.50 (*3.31)	7.41 (24'4")
	-2 m (-6'7")	*4.93 (*10.9)	*4.93 (*10.9)	5.34 (11.8)	*8.17 (*18.0)	3.47 (7.65)	5.57 (12.3)	2.46 (5.42)	3.87 (8.53)	1.87 (4.12)	2.92 (6.44)			1.55 (3.42)	*1.76 (*3.88)	6.85 (22'6")
	-3 m (-9'10")	*6.77 (*14.9)	*6.77 (*14.9)	5.60 (12.3)	*7.33 (*16.2)	3.49 (7.69)	5.60 (12.3)	2.48 (5.47)	3.89 (8.58)	1.89 (4.17)	2.94 (6.48)			1.92 (4.23)	*2.22 (*4.89)	6.03 (19'9")
	-4 m (-13'2")			5.71 (12.6)	*6.00 (*13.2)	3.56 (7.85)	*4.73 (*10.4)	2.54 (5.60)	*3.59 (*7.91)							

Notes: 1. Ratings are based on SAE J1097.
2. Lifting capacity does not exceed 75% of tipping load on firm, level ground or 87% of full hydraulic capacity.
3. The load point is the hook (not standard equipment) located behind the bucket.
4. An asterisk mark (*) indicates the load limited by hydraulic capacity.

BUCKETS

Capacity		Width		No. of Teeth	Weight	Recommendation
PCSA Heaped	CECE Heaped	Without Side Cutters	With Side Cutters			2.52 m (8'3") Arm
0.19 m³ (0.25 yd³)	0.17 m³	450 mm (18")	550 mm (22")	3	240 kg (530 lb)	◎
0.30 m³ (0.39 yd³)	0.25 m³	580 mm (23")	700 mm (28")	3	280 kg (620 lb)	◎
0.40 m³ (0.52 yd³)	0.33 m³	680 mm (27")	800 mm (31")	4	330 kg (730 lb)	◎
0.46 m³ (0.60 yd³)	0.40 m³	850 mm (33")	970 mm (38")	5	380 kg (840 lb)	◎
0.55 m³ (0.72 yd³)	0.45 m³	890 mm (35")	1 010 mm (40")	5	400 kg (880 lb)	◎
0.59 m³ (0.77 yd³)	0.50 m³	950 mm (37")	1 070 mm (42")	5	410 kg (900 lb)	○
0.55 m³ (0.72 yd³)*1	0.45 m³	890 mm (35")	1 010 mm (40")	5	460 kg (1 010 lb)	◎
0.55 m³ (0.72 yd³)*2	0.45 m³	890 mm (35")	1 010 mm (40")	5	490 kg (1 080 lb)	◎
0.55 m³ (0.72 yd³)*3	0.45 m³	890 mm (35")	1 010 mm (40")	5	470 kg (1 040 lb)	◎
0.59 m³ (0.77 yd³)*1	0.50 m³	950 mm (37")	1 070 mm (42")	5	480 kg (1 060 lb)	○

*1 Reinforced bucket
*2 Reinforced bucket (with level pin type teeth)
*3 Heavy-duty bucket

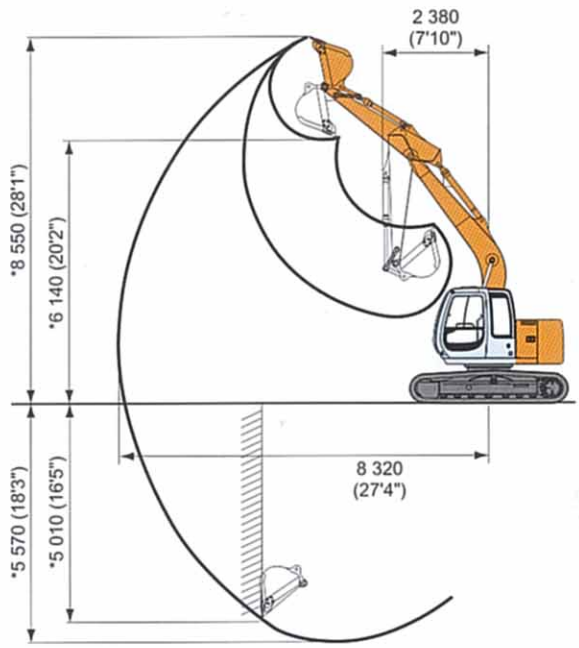
◎ Suitable for materials with density of 2 000 kg/m³ (3 370 lb/yd³) or less
○ Suitable for materials with density of 1 600 kg/m³ (2 700 lb/yd³) or less

SPECIFICATIONS

Operating weight		13 200 kg (29 100 lb)
Bucket capacity	PCSA heaped	0.55 m^3 (0.72 yd^3)
	CECE heaped	0.45 m^3
Shoes		500 mm (20") triple grouser
Ground pressure		41 kPa (0.42 kgf/cm^2)
Swing speed		12.7 min^{-1} (12.7 rpm)
Gradeability		35 deg. (70%)
Travel speed High / low		5.0 km/h (3.1 mph) / 3.1 km/h (1.9 mph)
Bucket digging force	ISO	89 kN (9 100 kgf, 20 100 lbf)
	SAE / PCSA	78 kN (8 000 kgf, 17 600 lbf)
Arm crowd force	ISO	60 kN (6 100 kgf, 13 400 lbf)
	SAE / PCSA	58 kN (50 900 kgf, 13 000 lbf)
Engine model		Isuzu A-4BG1T
Rated flywheel horsepower		
DIN 6271, net	Std. mode	63 kW (85 PS) at 2 100 mm^{-1} (rpm)
	H/P mode	66 kW (90 PS) at 2 200 mm^{-1} (rpm)
SAE J1349, net	Std. mode	60 kW (81 HP) at 2 100 mm^{-1} (rpm)
	H/P mode	63 kW (84 HP) at 2 200 mm^{-1} (rpm)
Hydraulic pumps	Main pumps	Two variable displacement axial piston pumps
	Pilot pump	One gear pump
Hydraulic motors	Travel	Two variable displacement axial piston motors
	Swing	One axial piston motor
Relief valve settings	Implement circuit	34.3 MPa (350 kgf/cm^2, 4 980 psi)
	Swing circuit	31.4 MPa (320 kgf/cm^2, 4 550 psi)
	Travel circuit	34.3 MPa (350 kgf/cm^2, 4 980 psi)
	Pilot circuit	3.7 MPa (38 kgf/cm^2, 540 psi)
Fuel tank capacity		250 L (66.1 US gal, 55.0 Imp gal)
Hydraulic tank capacity		69.0 L (18.2 US gal, 15.2 Imp gal)
Engine oil capacity		16.2 L (4.3 US gal, 3.6 Imp gal)

WORKING RANGES

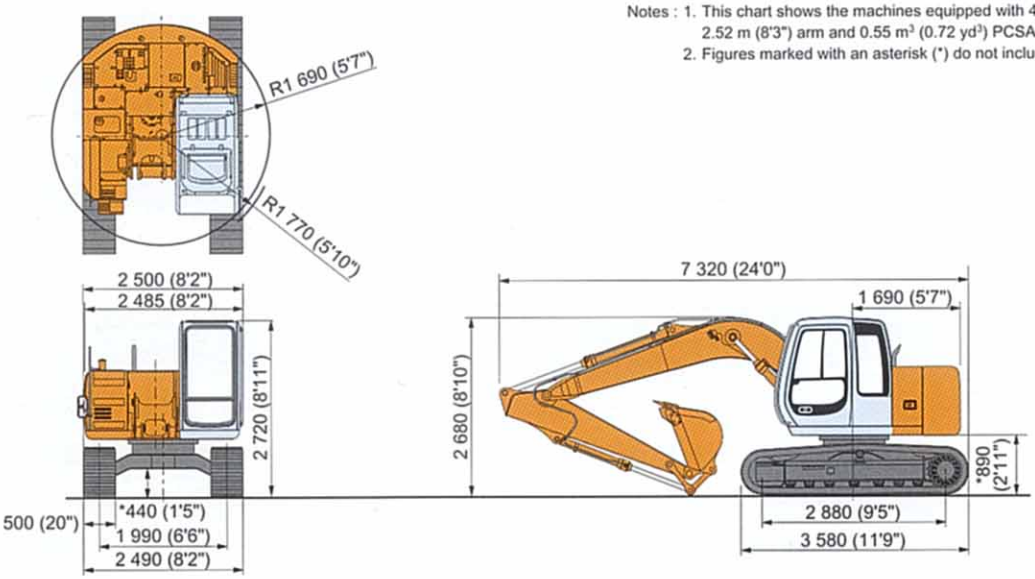
Unit : mm (ft in)



Notes : 1. This chart shows the machine equipped with 4.6 m (15'1") boom, 2.52 m (8'3") arm and 0.55 m^3 (0.72 yd^3) PCSA heaped bucket.
2. Figures marked with an asterisk (*) do not include shoe lug height .

DIMENSIOINS

Unit : mm (ft in)



Notes : 1. This chart shows the machines equipped with 4.6 m (15'1")boom, 2.52 m (8'3") arm and 0.55 m^3 (0.72 yd^3) PCSA heaped bucket.
2. Figures marked with an asterisk (*) do not include shoe lug height .

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

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