HITACHI EX 135UR

EX135UR· EXCAVATOR

SPECIFICATIONS

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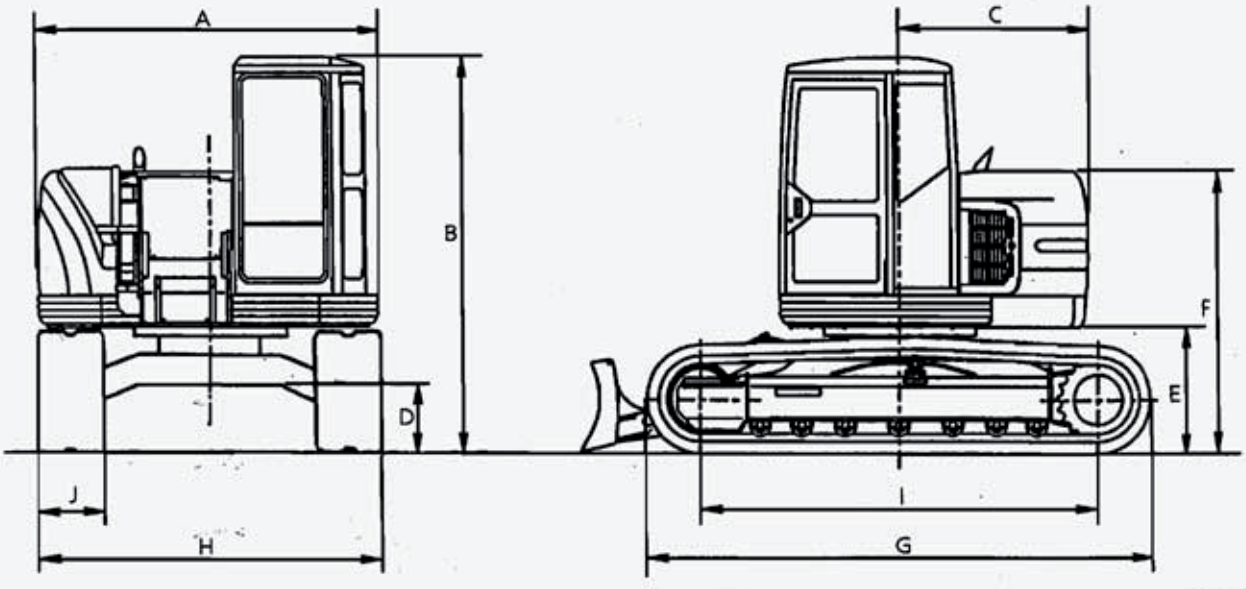
Model	EX135UR Hydraulic Excavator (Rubber Crawler)
Type of Front-End Attachment	Offset Type
Bucket Capacity (Heaped)	PCSA 0.45 m^3 (0.59 yd^3), CECE 0.40 m^3 (0.52 yd^3)
Operating Weight	14 000 kg (30 900 lb)
Basic Machine Weight	11 100 kg (24 500 lb)
Engine	Isuzu 4BG1T 63 kW / 1 900 min^{-1} (85 PS / 1 900 rpm)
A: Overall Width	2 490 mm (8 ft 2 in)
B: Cab Height	2 800 mm (9 ft 2 in)
C: Rear End Swing Radius	1 370 mm (4 ft 6 in)
D: Minimum Ground Clearance	* 430 mm (17 in) (Excluding shoe lug)
E: Counterweight Clearance	* 890 mm (2 ft 11 in) (Excluding shoe lug)
F: Engine Cover Height	* 1 980 mm (6 ft 6 in) (Excluding shoe lug)
G: Undercarriage Length	3 620 mm (11 ft 11 in)
H: Undercarriage Width	2 490 mm (8 ft 2 in)
I: Sprocket Center to Idler Center	2 900 mm (9 ft 6 in)
J: Track Shoe Width	500 mm (20 in)
Ground Pressure	47 kPa (0.48 kgf /cm^2, 6.8 psi)
Swing Speed	13.4 min^{-1} (rpm)
Travel Speed (fast / slow)	5.0 / 3.5 (3.1 / 2.2) km/h
Gradeability	35° (tanθ = 0.70)



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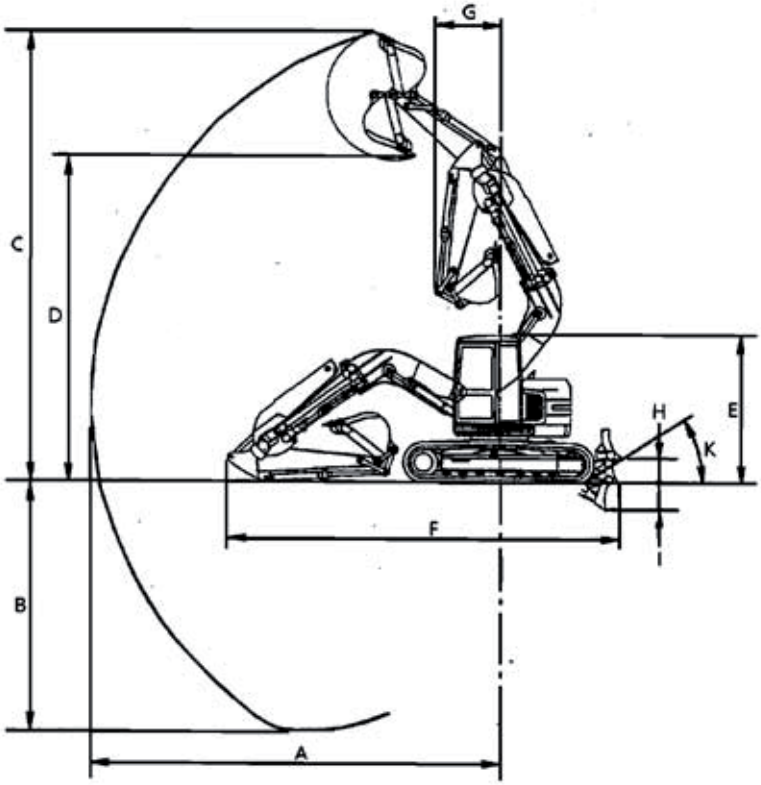
NOTE: * *The dimensions do not include the height of the shoe lug.*

SPECIFICATIONS

WORKING RANGES



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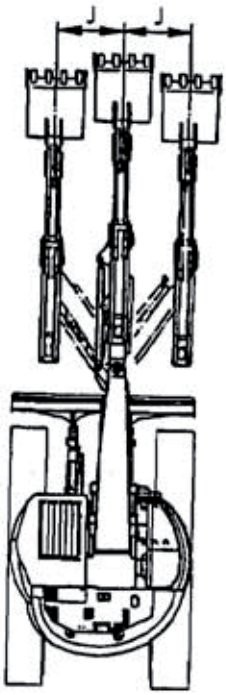

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Working Range

Item	Category	2.21 m (7'3") Arm	2.51 m (8'3") Arm
A: Maximum Digging Reach	mm (ft·in)	7 540 (24' 9")	7 830 (25' 8")
B: Maximum Digging Depth	mm (ft·in)	4 800 (15' 9")	5 100 (16' 9")
C: Maximum Cutting Height	mm (ft·in)	8 550 (28' 1")	8 790 (28' 10")
D: Maximum Dumping Height	mm (ft·in)	6 140 (20' 2")	6 380 (20' 11")
E: Overall Transport Height	mm (ft·in)	2 800 (9' 2")	2 800 (8' 2")
F: Overall Transport Length	mm (ft·in)	7 390 (24' 3")	7 450 (24' 5")
G: Minimum Swing Radius	mm (ft·in)	1 240 (4' 1")	1 470 (4' 10")
H: Blade Bottom Highest Position (above ground level)	mm (ft·in)	490 (1'7")	
I: Blade Bottom Lowest Position (below ground level)	mm (ft·in)	500 (1'8")	
J: Maximum Offset	mm (ft·in)	1 110 (3'8") / 1 160 (3'10") (from the center of the front-end attachment)	
K: Maximum Approach Angle	degree	30°	

NOTE: "E: Transport Height" includes the height of she lug; Other dimensions do not include the height of the shoe lua.

SHOE TYPES AND APPLICATIONS

EX135UR

Shoe Width		500 mm (20") Rubber Crawler	500 mm (20") Grouser Shoe
Application		For Paved Road (Standard)	Ordinary Ground (Option)
Operating Weight	kg (lb)	14 000 (30 900)	14 000 (30 900)
Basic Machine Weight	kg (lb)	11 100 (24 500)	11 100 (24 500)
Cab Height	mm (ft·in)	2 800 (8'2")	2 800 (8'2")
Minimum Ground Clearance	(mm)	430 (17")	※400 (16")
Undercarriage Length	mm (ft·in)	3 620 (11'11")	3 580 (11'9")
Undercarriage Width	mm (ft·in)	2 490 (8'2")	2 490 (8'2")
Ground Pressure		47 kPa (0.48 kgf/cm^2, 6.8 psi)	47 kPa (0.48 kgf/cm^2, 6.8 psi)

NOTE: (1) If the front attachment is replaced, the collision prevention system must be readjusted. When replacing the front attachment, be sure to consult your authorized dealer.

(2) The specifications given here are for the machine with a 0.45 m^3 (0.59 yd^3) bucket.

(3) Do not use the machine with rubber crawler on graval or rocky ground.

(4) Only the 500 mm (20") grouser shoe should be used on rough terrain (gravel or rocky ground). Otherwise, it will twist the shoes and loosen the shoe bolts, causing damages to other undercarriage parts (links, rollers or track frames, etc.).

(5) Dimensions marked ※ do not include the height of the shoe lug.

BUCKET TYPES AND APPLICATIONS

Bucket	Bucket Capacity m^3 (yd^3)		Bucket Width mm (in)		Front-End Attachment EX135UR	
	PCSA (Heaped)	CECE (Heaped)	With side cutter	Without side cutter	2.21 m Arm	2.51 m Arm
Hoe Bucket	0.19 (0.25)	0.17(0.22)	550 (22″)	450 (18″)	◎	◎
	0.30 (0.39)	0.25 (0.33)	700 (28″)	580 (23″)	◎	◎
	0.40 (0.52)	0.33 (0.43)	800 (31″)	680 (27″)	◎	◎
	0.45 (0.59)	0.40 (0.52)	970 (38″)	850 (33″)	◎	○
	0.50 (0.65)	0.45 (0.59)	1 010 (40″)	890 (35″)	○	×
	0.59 (0.77)	0.50 (0.65)	1 070 (42″)	950 (37″)	□	×

NOTE: (1) The symbols in the above table have the following meanings.
◎: General excavating
○: Light duty excavating
△: Rock digging
□: Loading work
◇: Slope finishing work
×: Not applicable (not warrantable)

(2) Hoe bucket is applicable to the following types of work.
General excavating:
For digging and loading operation of sand, gravel clay, ordinary earth and so on.

(3) When replacing the front attachment, be sure to consult your authorized dealer.

Light duty excavating:
For digging loading operation of dried, loosened earth, sand, mud and so on. Their bulk density shall be less than 1.60 t / m^3 (2 700 lb / yd^3) as a standard.
Loading:
For loading operation of dried, loosened earth and sand.
Their bulk density shall be less than 1.10 t / m^3 (1 850 lb / yd^3) as a standard.
Rock digging:
For digging loading operation of mountain gravels, blasted rock, hard clay, soft rock and so on.