



PRECISION IN EVERY DIG, PRIDE IN EVERY BUILD.

JCB NXT140

TRACKED EXCAVATOR

Engine Power: 100 hp | Bucket Capacity: 0.63-0.72 cu.m | Operating Weight: 14320 kg



Available Variants

JCB NXT 130

Engine Power: 80 hp
Engine Make: Cummins
Bucket Capacity: 0.50-0.65 cu.m
Operating Weight: 12,800 kg



JCB NXT 145

Engine Power: 100 hp
Engine Make: Cummins
Bucket Capacity: 0.63 cu.m
Operating Weight: 14,500 kg



JCB NXT 150

Engine Power: 100 hp
Engine Make: Cummins
Bucket Capacity: 0.75 cu.m
Operating Weight: 14,700 kg



*T&C Apply.

SPECIFICATION: JCB NXT 140 TRACKED EXCAVATOR

ENGINE

Model	Cummins 4BT 3.9C
Type	Water cooled, 4 stroke, 4-cylinder in line, direct injection, turbocharged
Gross power	100 hp @ 2000 rpm
Displacement	3.9 L
Starting system	24 V
Batteries	2 x 12 V

HYDRAULIC SYSTEM

3 Work modes: eco, Power & Power+

Pumps

Main pumps	2 variable displacement axial piston type
Maximum flow	2 x 120 LPM
Servo pump	Gear type
Maximum flow	20 LPM

Control valve

Relief valve settings	
Boom/Arm/Bucket	330 bar
Swing circuit	279 bar
Travel circuit	330 bar
Pilot control	40 bar

SWING SYSTEM

Swing motor	Axial piston type
Swing brake	Hydraulic braking, electrically operated spring applied disc type parking brake
Final drive	Planetary reduction
Swing gear	Large diameter, internally toothed fully sealed grease bath lubricated
Swing speed	13.6 rpm

TRACK DRIVE

Gradeability	70% (35 deg.) continuous
Travel speed	3.6 kmph
Tractive effort	104.1 kN (10615 kgf)

UNDERCARRIAGE

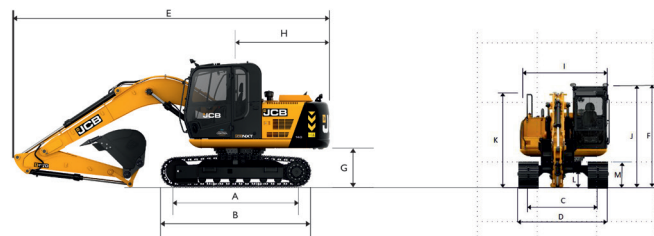
Track shoe	500mm
Upper & lower rollers	Heat-treated, sealed and lubricated
Track adjustment	Grease cylinder type
No. of track guides	1 per side
No. of lower rollers	7 Per side
No. of upper rollers	1 per side
No. of track shoes	44 per side

SERVICE CAPACITIES

Fuel tank	L	253
Engine coolant	L	21.2
Engine oil	L	13.5
Swing reduction gear	L	3.2
Track reduction gear (each side)	L	3.0
Hydraulic system	L	173.0
Hydraulic tank	L	73.0

WEIGHT AND GROUND BEARING PRESSURE

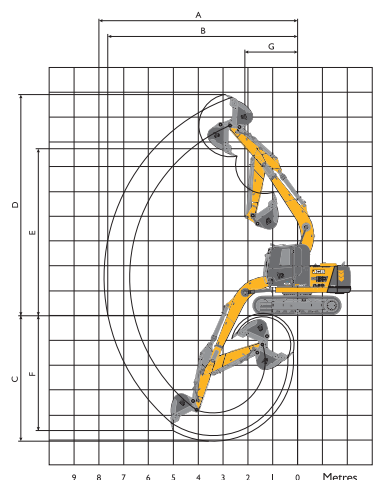
Operating weight	14,320 kg
Ground bearing pressure	0.52 kg/sq.cm



STATIC DIMENSIONS

With boom length: 4.70 m, dipper length: 2.10 m		m
A	Track length on ground	2.78
B	Undercarriage overall length	3.55
C	Track gauge	1.99
D	Width over tracks (500 mm track shoes)	2.49
E	Transport length with mono boom	7.63
F	Transport height with mono boom	3.0
G	Counter weight clearance	910
H	Tail swing radius	2.15
I	Width of superstructure	2.41
J	Height over cab	3.0
K	Height over grab rail	2.62
L	Ground clearance	460
M	Track height	815

* Machine in transport position



WORKING RANGE

Boom length		4.70 m (15-5)
Dipper length		2.10 m (6-11)
Maximum digging reach	m (ft-in)	8.03 (26-4)
Maximum digging reach (on ground)	m (ft-in)	7.88 (25-10)
Maximum digging depth	m (ft-in)	5.2 (17-0)
Maximum digging height	m (ft-in)	8.8 (28-10)
Maximum dumping height	m (ft-in)	6.37 (20-10)
Maximum vertical wall cut depth	m (ft-in)	4.52 (14-10)
Maximum swing radius	m (ft-in)	2.16 (7-1)
Bucket rotation	deg.	182°
Maximum dipper tear out (ISO 6015)	kgf (ibf)	7301 (16096)
Maximum bucket tear out (ISO 6015)	kgf (ibf)	8974 (19784)

*Results shown are based on internal trials done in standard test conditions, they may vary on the basis of operator efficiency and type of applications. T&C Apply.

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