



BULK DIGGING POWER SAND LOADING PRECISION

JCB NXT 215_{LC}

TRACKED EXCAVATOR

Engine Power: 140 hp | Bucket Capacity: 0.9-1.02 cu.m | Operating Weight: 21,500 kg



Fuel saving in
eco Mode



Loaded with
power & power+
modes for higher
productivity



Heavy-duty
dig-end for next
level of durability



Extended
service interval
Engine oil: 500 hrs,
Hydraulic oil: 5000 hrs



InelliControl for
ease of use &
service



LiveLink
Stay connected 24x7



1 YEAR
STANDARD
WARRANTY*
—OR—
2000
HOURS



Available Variants

JCB NXT 205

Engine Power: 140 hp

Engine Make: Cummins

Bucket Capacity: 0.9-1.02 cu.m

Operating Weight: 20,500 kg



JCB 225LC M

Engine Power: 148 hp

Engine Make: Cummins

Bucket Capacity: 0.9-1.05 cu.m

Operating Weight: 20,500 kg



*T & C Apply.

SPECIFICATION: JCB NXT 215LC TRACKED EXCAVATOR

ENGINE

Model	Cummins 6 BT 5.9C
Type	Water cooled, 4 stroke, 6 cylinder in line direct injection, turbocharged diesel.
Gross power	140 HP @ 2000 rpm
Piston displacement	5.88 L
Starting system	24 V
Alternator	24 V, 75 amp, heavy-duty

HYDRAULIC SYSTEM

3 Work modes: eco, Power & Power+

Pumps

Main pumps	2 variable displacement axial piston type.
Maximum flow	2 x 220 LPM
Servo pump	Gear type
Maximum flow	20 LPM

Control valve

Relief valve settings	
Boom/Arm/Bucket	343 bar
Swing circuit	289 bar
Travel circuit	343 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 torque	65.2 kNm
Swing gear	Large diameter, internally toothed fully sealed grease bath lubricated.
Swing speed	13.0 RPM

TRAVEL SPEED & TRACTIVE EFFORT

Travel speed	3.8 kmph
Tractive force	170 kN

TRACK DRIVE OPTIONAL

Gradeability	70% (35 deg.) continuous
Travel speed - low	2.9 kmph
Travel speed - high	5.1 kmph
Max. tractive effort	211 kN

UNDERCARRIAGE

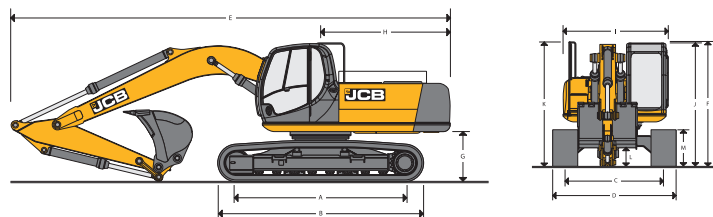
Track Shoe	600 mm Standard
Upper & lower rollers	Heat-treated, sealed and lubricated.
Track adjustment	Sealed and lubricated, with spring enhanced recoil.
No. of track guides	2 per side
No. of lower rollers	8 per Side
No. of upper rollers	2 per side
No. of track shoes	49 per side

SERVICE CAPACITIES

Fuel tank	L	343
Engine coolant	L	25.5
Engine oil	L	19
Hydraulic system	L	260
Hydraulic tank	L	120
Swing device	L	5
Travel device	L	2 x 5

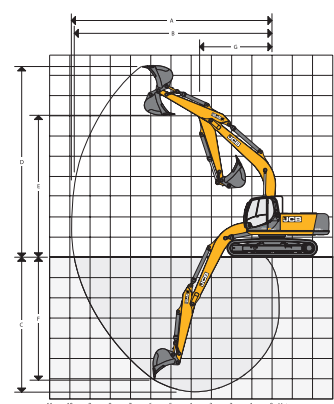
WEIGHT AND GROUND BEARING PRESSURE

Standard machine with bucket, operator, full capacity lubes and fuel		
Max operating weight		21,500 kg
Ground bearing pressure		0.49 kg / sq cm



STATIC DIMENSIONS

		JCB NXT 215LC (LC track, 600 mm track shoe)		
		2.4 m arm	3 m arm	
A	Track length on ground	m	3.66	3.66
B	Undercarriage overall length	m	4.46	4.46
C	Track gauge	m	2.39	2.39
D	Width over tracks	m	2.89	2.89
E	Transport length with mono boom and arm	m	9.63	9.56
F	Transport height with mono boom and dipper	m	3.12	3.12
G	Counterweight clearance	m	1.08	1.08
H	Tail swing radius	m	2.83	2.83
I	Width of superstructure	m	2.55	2.55
J	Height over cab	m	3.06	3.06
L	Ground clearance	mm	435	435
M	Track height	mm	885	885



WORKING RANGE

		Arm length	
Boom length 5.7 m		2.40 m	3.00 m
Arm	Unit		
Maximum digging reach	m	9.4	9.9
Maximum digging reach (on ground)	m	9.21	9.72
Maximum digging depth	m	6.14	6.73
Maximum digging height	m	9.13	9.22
Maximum dumping height	m	6.36	6.49
Maximum vertical wall cut depth	m	5.57	6.06
Minimum swing radius	m	3.84	3.8
Bucket rotation	deg.	177	177
Dipper tearout (ISO)	kgf	11832	9845.0
Bucket tearout (ISO)	kgf	13460	13460.0

*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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