



**BULK DIGGING EXCELLENCE,
SAND LOADING EXPERTISE.**

JCB 225_{LC}M

TRACKED EXCAVATOR

Engine Power: 148 hp | Bucket Capacity: 0.9-1.05 cu.m | Operating Weight: 22.2 Tonne



Heavy-duty
dig-end for next
level of durability



Excellent block
handling capability
in marble & granite
application



Ecohydraulic and
10 Working modes
for state-of-art fuel
economy



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



BRITISH ENGINEERING

Available Variants

JCB NXT 205

Engine Power: 140 hp

Engine Make: Cummins

Bucket: 0.9-1.02 cu.m

Operating Weight: 20,500 kg



JCB NXT 215LC

Engine Power: 140 hp

Engine Make: Cummins

Bucket: 0.9-1.02 cu.m

Operating Weight: 21,500 kg



*T & C Apply

SPECIFICATION: JCB 225LC M TRACKED EXCAVATOR

ENGINE

Model	Cummins 6BTA 5.9
Gross Power	110 kW (148hp) @ 2000 rpm
Piston displacement	5.9 L

TRACK DRIVE

Gradeability	70% (35 degree) continuous
Travel speed	High - 5.5 km/h, Mid - 3.2 km/h, Low - 2.3 km/h
Tractive effort	197.8 kN (20170 kgf)

HYDRAULIC SYSTEM

3 Work modes: eco, Power & Power+

Pumps

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

Control valve

Relief valve settings	
Boom/Arm/Bucket	343 bar
Power boost	373 bar
Swing circuit	289 bar
Travel circuit	343 bar
Pilot control	40 bar
Main control valve	9 Spool

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

UNDER CARRIAGE

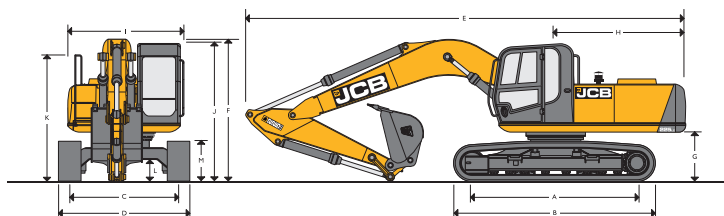
Track Shoe	600mm
Upper & lower rollers	Heat-treated, sealed and lubricated.
Track adjustment	Sealed and lubricated, with spring enhanced recoil. Grease cylinder type.
No. of track guides	2 per side
No. of lower rollers	8 Per side
No. of upper rollers	2 per side
No. of track shoes	49 per side

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

POWER BOOST

Dipper tearout maximum	12,723 kg
Bucket tearout maximum	14,360 kg



STATIC DIMENSIONS

Model	JCB 225LC M
A Track length on ground	m 3.71
B Undercarriage overall length	m 4.47
C Track gauge	m 2.40
D Width over tracks	m 2.99
E Transport length with mono boom and arm	m 9.65
F Transport height with mono boom and dipper	m 3.18
G Counterweight clearance	m 1.00
H Tail swing radius	m 2.82
I Width of superstructure	m 2.56
J Height over cab	m 3.00
K Height over handrail	m 2.75
L Ground clearance	m 0.46
M Track height	m 0.85

WORKING RANGE

Boom length 5.7 m		Arm length	
Dipper	unit	2.40 m	3.00 m
Maximum digging reach	m	9.40	9.89
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	3.85	6.06
Minimum swing radius	m	5.57	3.80
Bucket rotation	deg.	183	182
Dipper tearout (ISO6015)	kgf	11700	9842
Dipper tearout with boost	kgf	12723	10703
Bucket tearout (ISO6015)	kgf	13205	13205
Bucket tearout with boost	kgf	14360	14360

WEIGHT AND GROUND BEARING PRESSURE

Maximum operating weight	22.2 Tonne
Ground bearing pressure	0.49 kg/sq.cm

*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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