



# THE NXT LEVEL

## JCB NXT205

### TRACKED EXCAVATOR



InelliControl  
for Ease of  
Use & Service



32%\*  
Fuel saving  
in eco mode

Class-leading fuel efficiency with  
energy saving ecoHydraulics



Heavy-duty  
Structure &  
Reliable Aggregates



Low on  
Maintenance



To know more



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Engine Power : 104 kW (140 hp) | Bucket Capacity : 0.9 cu.m GP / 0.9 cu.m(HD)  
Operating Weight : 20,200 kg | Standard Carriage : 500 mm Track Shoe

\*T & C Apply.

## SPECIFICATION: JCB NXT 205 TRACKED EXCAVATOR

### ENGINE

Model	Cummins 6BT 5.9C
Type	Water cooled, 4 stroke, 6 cylinder in line, direct injection, turbocharged diesel
Rated power	140 HP @ 2000 rpm
Piston displacement	5.88 L
Starting system	24 V

### 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
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

### TRACK DRIVE

Gradeability	70% (35deg.) continuous
Travel speed	3.8 kmph
Tractive effort	170 kN

### UNDERCARRIAGE

Track Shoe	500mm (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	7 Per side
No. of upper rollers	2 per side
No. of track shoes	46 per side

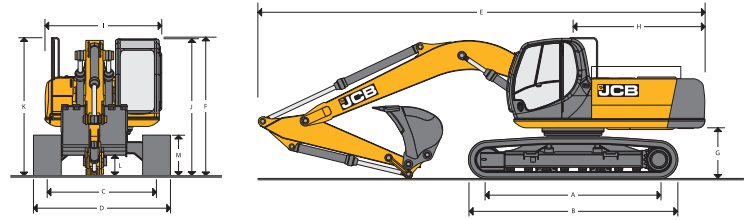
### SERVICE CAPACITIES

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

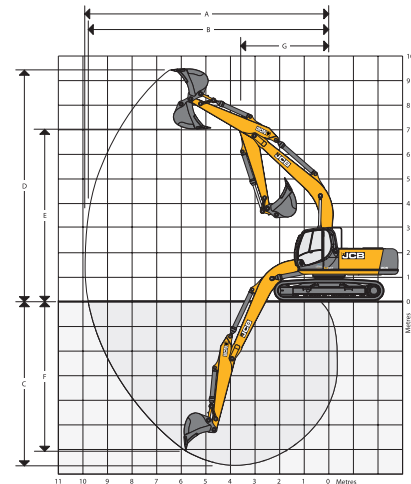
Standard machine with bucket, operator, full capacity lubes and fuel

Max operating weight	<b>JCB NXT 205</b>	
	20,200 kg	
Ground bearing pressure	0.6 kg / sq cm	




### STATIC DIMENSIONS

		JCB NXT 205 (SC Track, 500 mm track shoe)	
		2.4 m arm	
A	Track length on ground	m	3.37
B	Undercarriage overall length	m	4.17
C	Track gauge	m	2.2
D	Width over tracks	m	2.7
E	Transport length with mono boom and arm	m	9.63
F	Transport height with mono boom and dipper	m	3.12
G	Counterweight clearance	m	1.08
H	Tailswing radius	m	2.83
I	Width of superstructure	m	2.55
J	Height over cab	m	3.06
L	Ground clearance	mm	435
M	Track height	mm	885



### WORKING RANGE

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

## EXCEEDING EXPECTATIONS EVERYWHERE



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