



# PRECISION FOR HIRERS, AFFORDABILITY FOR BUYERS.

## JCB NXT205 TRACKED EXCAVATOR

Engine Power: 140 hp | Engine Make: Cummins | Bucket Capacity: 0.9-1.02 cu.m | Operating Weight: 20,500 kg



Fuel saving in  
eco Mode



Loaded with  
Power & Power+  
Modes for higher  
productivity



Long Maintenance  
Intervals for Engine  
& Hydraulics



LiveLink  
Stay connected 24x7



\*T & C Apply.

### Available Variants

**JCB NXT 215LC**  
Engine Power: 140 hp  
Engine Make: Cummins  
Bucket: 0.9-1.02 cu.m  
Operating Weight: 21,500 kg



**JCB NXT 225LC M**  
Engine Power: 148 hp  
Engine Make: Cummins  
Bucket Capacity: 0.9-1.05 cu.m  
Operating Weight: 20,500 kg



## SPECIFICATION: JCB NXT 205LC TRACKED EXCAVATOR

### ENGINE

|                     |   |
|---------------------|---|
| Model               | Cummins 6 BT 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 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  |
| 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% (35 deg.) continuous |
| Travel speed    | 3.8 kmph                 |
| Tractive effort | 170 kN                   |

### UNDERCARRIAGE

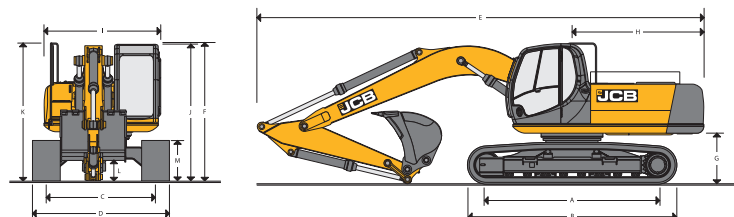
|                       |   |
|-----------------------|---|
| Track Shoe            | 500 mm/600 mm                                       |
| Upper & lower rollers | Heattreated, sealed and lubricated.                 |
| Track adjustment      | Sealed and lubricated, with spring enhanced recoil. |
| 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 |

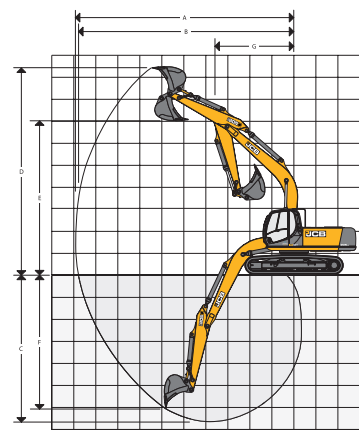
### WEIGHT AND GROUND BEARING PRESSURE

|  |                    |  |
|--|--------------------|--|
| Standard machine with bucket, operator, full capacity lubes and fuel |                    |  |
| Max operating weight   | <b>JCB NXT 205</b> |  |
|  | 20,500 kg          |  |
| Ground bearing pressure  | 0.51 kg / sq cm    |  |



### STATIC DIMENSIONS

|  | JCB NXT 205<br>(Std track, 600 mm track shoe) |         |
|--|---|---------|
|  | 2.4 m arm                                     | 3 m arm |
| A Track length on ground                     | 3.37  | 3.37    |
| B Undercarriage overall length               | 4.17  | 4.17    |
| C Track gauge                                | 2.2   | 2.2     |
| D Width over tracks                          | 2.7   | 2.7     |
| E Transport length with mono boom and arm    | 9.63  | 9.56    |
| F Transport height with mono boom and dipper | 3.12  | 3.12    |
| G Counterweight clearance                    | 1.08  | 1.08    |
| H Tail swing radius                          | 2.83  | 2.83    |
| I Width of superstructure                    | 2.55  | 2.55    |
| J Height over cab                            | 3.06  | 3.06    |
| L Ground clearance                           | 435   | 435     |
| M Track height                               | 885   | 885     |

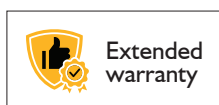


### WORKING RANGE

| Boom length 5.7 m                 | Unit | Arm length |        |
|-----------------------------------|------|------------|--------|
|                                   |      | 2.40 m     | 3.00 m |
| 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   |
| Bucket tearout (ISO)              | kgf  | 13460      | 13460  |

\*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.

### EXPERIENCE THE BEST SERVICE



Extended warranty



Best-in-class service



Easy parts availability



Advanced LiveLink

To know more, visit your nearest dealership

