



BULK DIGGING BRILLIANCE

JCB 385_{LC}

TRACKED EXCAVATOR

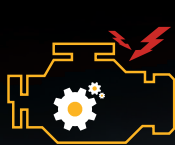
Engine Power: 284 hp | Bucket Capacity: 1.4-2.3 cu.m | Operating Weight: 37,331 kg



HD deep section boom and arm with cast pivots for durability



Excellent block handling capability in marble & granite application



High performance with 284 hp engine with 1150 Nm Max torque



Fuel efficient JCB DieselMax engine with CRDi technology & ecoHydraulic



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



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1 YEAR
STANDARD
WARRANTY*
—OR—
2000
HOURS



*T & C Apply.

Available Variants



JCB 345 LC
Engine Power: 221hp
Bucket Capacity: 1.24-1.8 cu.m
Operating Weight: 32,940 kg



SPECIFICATION: JCB 385LC TRACKED EXCAVATOR

ENGINE

Model	JCB DIESELMAX 672 TCAE Electronic Engine
Type	4-stroke, 6-cylinder, high pressure common rail, ECU, turbocharged, intercooled
Rated power	212 kW (284 hp) at 2000 rpm
Piston displacement	7.2 L
Batteries	2 x 12 V

HYDRAULIC SYSTEM

Open centered, negative control hydraulic system with twin variable flow piston pumps providing flow on demand.

Pumps

Main pumps	2 variable displacement axial piston type
Maximum flow	2 x 304 l/min
Servo pump	Gear type
Maximum flow	28.5 l/min

Control valve

A combined four and five spool control valve with auxiliary service spool as standard.

Relief valve settings

Boom/Arm/Bucket	343 bar
With power boost	373 bar
Swing circuit	284 bar
Travel circuit	343 bar
Pilot control	45 bar

SWING SYSTEM

Swing motor	Axial piston type.
Swing brake	Hydraulic braking plus automatic spring applied disc type parking brake.
Swing torque	129 kNm
Swing speed	8.9 rpm
Swing gear	Large diameter, internally toothed fully sealed grease bath lubricated.

TRACK DRIVE

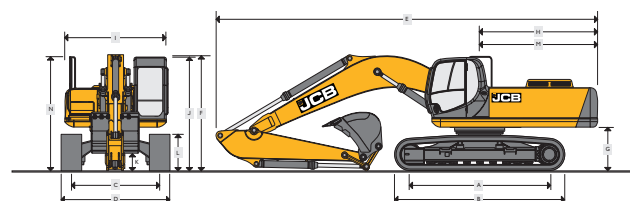
Type	Fully hydrostatic, three speed with autoshift.
Travel motors	Variable axial piston type, fully guarded within undercarriage frame.
Final drive	Planetary reduction, bolt on sprockets.
Service brake	Hydraulic counter balance valve to prevent overspeeding on declines.
Park brake	Disc type, spring applied, automatic hydraulic release.
Gradeability	70% (35 deg) continuous.
Travel speed	High - 5.3 km/h
	Mid - 3.1 km/h
	Low - 2.2 km/h
Tractive effort	287 kN

UNDERCARRIAGE

Track shoe options	600 mm
Track type	Sealed and lubricated
Rollers and shoes (each side)	JCB 380LC
No. of track guides	3 per side
No. of lower rollers	9 per side
No. of upper rollers	2 per side
No. of track shoes	48 per side

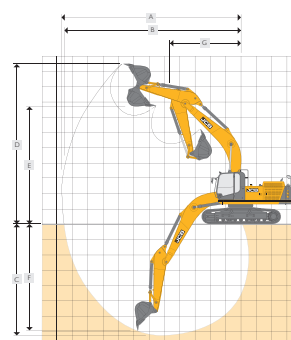
SERVICE CAPACITIES

Fuel tank	L	590
Engine coolant	L	45
Engine oil	L	25
Swing reduction gear	L	16
Track reduction gear (each side)	L	5
Hydraulic system	L	430
Hydraulic tank	L	239



STATIC DIMENSIONS

Model	JCB 385LC	
A Track length on ground	m	4.02
B Undercarriage overall length	m	4.96
C Track gauge	m	2.60
D Width over tracks (600 mm trackshoes)	m	3.20
G Counterweight clearance	m	1.16
H Tail swing radius	m	3.57
I Width of upper superstructure	m	2.99
J Height over cab	m	3.24
K Ground clearance	mm	507
L Track height	m	1.0
M Tail length	m	3.56
N Height over grab rail	m	3.34
Boom option		Standard Monoboom 6.45 m
Dipper lengths		2.21m 2.63m
E Transport length	m	11.41 11.33
F Transport height	m	3.79 3.84



WORKING RANGE MONOBOOM 6.45M

Buckets	2.1 & 2.3 m³ Bucket	
Dipper length	2.21m	2.63m
A Maximum digging reach	m	10.18 10.58
B Maximum digging reach (on ground)	m	9.97 10.38
C Maximum digging depth	m	6.39 6.82
D Maximum digging height	m	9.72 9.93
E Maximum dumping height	m	6.66 6.85
F Maximum vertical wall cut depth	m	5.41 5.86
G Minimum swing radius	mm	4.4 4.49
Bucket rotation	deg	185 185
Dipper tearout with boost	kNm	254.9 223.8
Bucket tearout with boost	kNm	262.7 262.7

BUCKET AND ARM COMBINATION

Bucket capacity	m³	1.4	1.61	1.8	2.1	2.3*
Bucket weight	kg	1692	1555	1655	1807	1900
Toe plate or trench width	m	1.41	1.60	1.76	1.75	1.89
JCB 385LC						
2.21	m	□	□	□	●	●
2.63	m	□	□	■	●	

* Suitable for soft strata (Without quickhitch)

□ = Suitable for general excavating (materials up to 2000 kg/cu.m)

■ = Suitable for light excavating (materials up to 1600 kg/cu.m)

● = Suitable for grading & loading (material up to 1200 kg/cu.m)

*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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