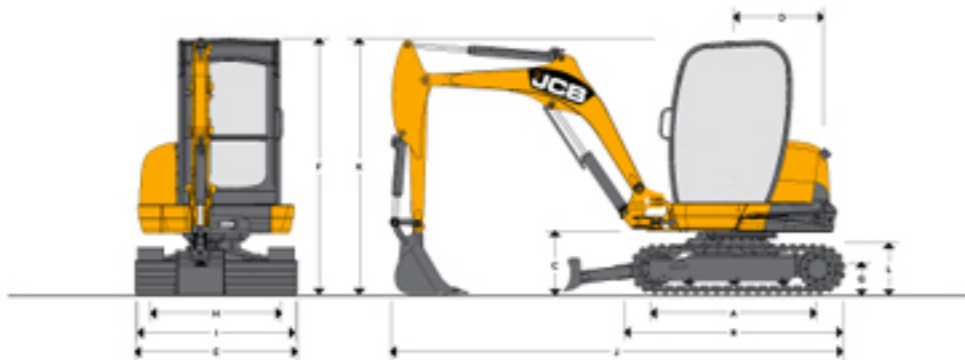


JCB JS30 Excavator Specification

GROSS ENGINE POWER	:	24.7 hp
MAX. OPERATING WEIGHT	:	2870 kg

STATIC DIMENSIONS



Machine model		JCB 30PLUS
A Sprocket idler centres	mm	1440
B Undercarriage overall length	mm	1870
C Kingpost clearance	mm	528
D Tailswing radius	mm	1220
E Overall width of superstructure	mm	1550
F Height over canopy	mm	2400
G Ground clearance	mm	270
H Track gauge	mm	1252
I Width over tracks	mm	1502
J Transport length	mm	4080
K Transport height	mm	2400
L Track height	mm	455

ENGINE

Model		Perkins 403D-15
Fuel		Diesel
Cooling		Water cooled
Gross power	kW (hp) @ 2100 rpm	18.4 (24.7)
Net power	kW (hp) @ 2100 rpm	16.5 (22.1)
Gross torque	Nm (lbf ft) @ 1800 rpm	96 (70.8)
Net torque	Nm (lbf ft) @ 1800 rpm	90.4 (66.7)
Displacement	cc	1496
Gradeability	degrees	36
Starter motor	kW(hp)	2 (2.68)
Battery	volt/Ah	12 / 75
Alternator	amps	65

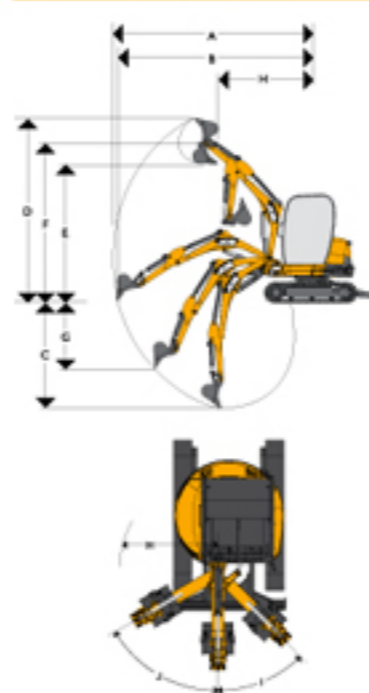
UNDERCARRIAGE

No of bottom rollers		3
Track width	mm	250
Ground bearing pressure	kg/cm ²	0.40
Ground clearance	mm	270
Track tensioning		Grease
Travel speed - low	kph (mph)	2.5 (1.6)
Travel speed - high	kph (mph)	4.9 (3.0)
Tractive effort	kN (lbf)	25 (5620)

HYDRAULIC SYSTEM

Hydraulic pump		2 Variable & 1 Gear
Gear pump @ 2250 rpm	lpm	70.21/min
Nominal output @ 2250 rpm		25.875/min
Excavator/track main relief	bar (psi)	235 (3408)
Slew main relief	bar (psi)	190 (2756)
Auxiliary hydraulic flow	litres	59 (15.6)

WORKING RANGE



Boom length	mm	2130
Dipper length	mm	1300
A Max digging reach	mm	4770
B Max digging reach on ground	mm	4660
C Max digging depth - dozer up	mm	2740
Max digging depth - dozer down	mm	3050
D Max digging height	mm	4495
E Max dump height	mm	3220
F Max height to dipper nose pivot pin	mm	3830
G Max vertical wallcut depth	mm	2080
H Min. front swing radius (no offset)	mm	2045
Min. front swing radius (fully offset)	mm	1870
I Boom swing left	degrees	45
J Boom swing right	degrees	60
Bucket rotation	degrees	189
Dipper rotation	degrees	119
Bucket tearout	kN	23
Dipper tearout	kN	17
Slew speed	rpm	9.6