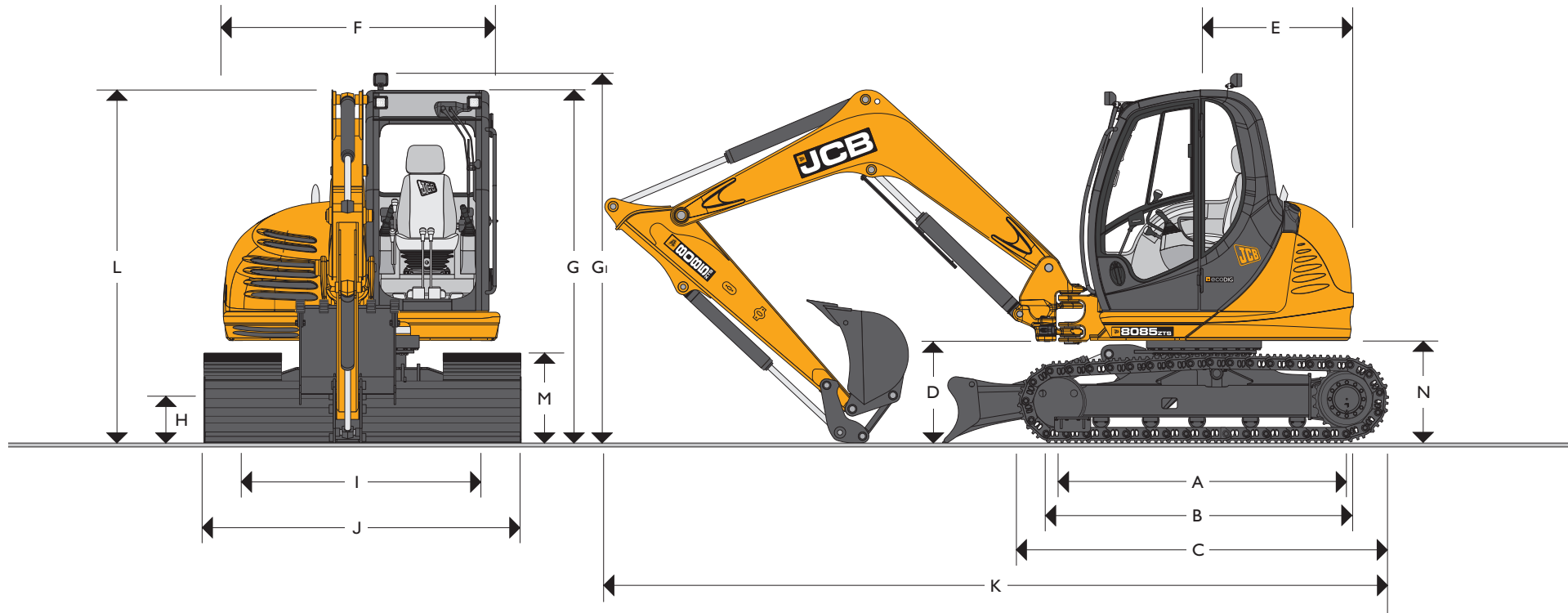




OPERATING WEIGHT: 8026 kg (17694 lbs) NETT ENGINE POWER: 39.5 kW (53 hp)



STATIC DIMENSIONS

	mm (ft-in)		mm (ft-in)
A Sprocket idler centres	2280 (7-6)	GI Height over cab - work lights	2830 (9-3)
B Track length on ground	2200 (7-3)	H Ground clearance	363 (1-2)
C Undercarriage overall length – rubber	2830 (9-3)	I Track gauge	1850 (6-1)
Undercarriage overall length – steel	2830 (9-3)	J Width over tracks (450 shoes)	2300 (7-7)
D Kingpost clearance	741 (2-5)	K Transport length with standard dipper	6060 (19-11)
E Tailswing radius	1160 (3-10)	L Transport height with standard dipper	2840 (9-4)
F Overall width of superstructure	2135 (7-0)	M Track height	665 (2-2)
G Height over cab	2719 (8-11)	N Counter weight clearance	767 (2-6)



ENGINE

Model		Tier 3 4LE2X
Fuel		Diesel
Cooling		Water cooled
Net power	kW(hp) @ 2200 rpm	39.5 (53.0)
Gross power	kW(hp) @ 2200 rpm	43 (57.6)
Gross torque	Nm(lbf ft) @ 1600 rpm	220 (162)
Displacement	cc	2179
Gradability	degrees	35
Starter motor	kW(hp)	2.2 (3)
Battery	volt/amps	12/680
Alternator	volt/amps	12/80

UNDERCARRIAGE

No of top rollers		1
No of bottom rollers		5
Track width	mm (in)	400 (16)
Track width (optional)	mm (in)	600 (24)
Ground clearance	mm (in)	363 (14¼)
Track tensioning		Grease
Travel speed - low	kph (mph)	3.6 (2.2)
Travel speed - high	kph (mph)	4.2 (2.6)
Tractive effort	kN (lbf)	52.9 (11892)

HYDRAULIC SYSTEM

Max. flow	lpm (US gal/min)	170 (37.4)
Excavator/track main relief	bar (psi)	300 (4351)
Slew main relief	bar (psi)	226 (3278)
Auxiliary low flow	lpm (US gal/min)	25 (6.6)
Auxiliary high flow	lpm (US gal/min)	80 (21.1)

Hydraulic systems – A variable flow load sensing system with flow on demand and servo operated, multi-function open centre control. A nine spool control valve with auxiliary service spool is standard (2nd auxiliary optional with 10 spool block). The hydraulic components are protected by a high standard of filtration to ensure long hydraulic fluid and component life.

MACHINE WEIGHT

	Weights kg (lb)	Ground bearing pressure kg/cm ² (lb/sq in)
Operating weight* (450mm Rubber tracks)	8026 (17694.0)	0.40 (5.67)
Transport weight (450mm Rubber tracks)	7951 (17529)	0.40 (5.67)
With FOGS guard – Stage 1	+48 (106)	0.41 (5.83)
With FOGS guard – Stage 2	+56 (124)	0.41 (5.83)
With steel tracks (450mm)	+136 (300)	0.41 (5.83)
With steel tracks (600mm)	+342 (754)	0.31 (4.41)
With offset steel tracks (450mm)	+136 (300)	0.41 (5.83)
With Bridgestone Geogrips	+108 (238)	0.41 (5.83)
With wide dozer (2450mm)	+10 (22)	0.31 (4.41)
With offset dozer (2150mm)	-6 (13)	0.41 (5.83)

*Operating weight to ISO 6016 including, rubber tracks, 460mm (18in) bucket, full tanks and a 75kg (165lb) operator.

OPERATOR ENVIRONMENT

		External	Internal
Cab/canopy height	mm (ft-in)	1707 (5-7)	1600 (5-3)
Cab/canopy height with FOGS guard LEVEL 1	mm (ft-in)	1776 (5-9¾)	1600 (5-3)
Cab/canopy height with FOGS guard LEVEL 2	mm (ft-in)	1808 (5-11)	1600 (5-3)
Cab/canopy length	mm (ft-in)	1510 (4-11)	1405 (4-7)
Cab/canopy width	mm (ft-in)	960 (3-2)	945 (3-1)
Distance from seat base to roof	mm (ft-in)	1130 (3-8)	
Door aperture width	mm (ft-in)	735 (2-5)	

SERVICE CAPACITIES

Fuel tank	litres (US gal)	103 (27.3)
Engine coolant	litres (US gal)	14.2 (3.8)
Engine oil	litres (US gal)	6.8 (1.49)
Hydraulic system	litres (US gal)	105 (27.7)
Hydraulic tank	litres (US gal)	59.9 (15.8)

WORKING RANGE

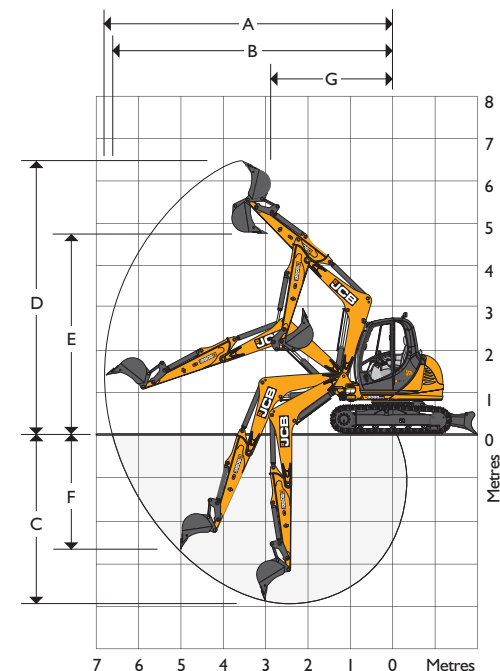
Boom length	mm (ft-in)	2875 (9-5)
Dipper length	mm (ft-in)	2000 (6-7)
A Max digging reach	mm (ft-in)	6887 (22-7)
B Max digging reach on ground	mm (ft-in)	6729 (22-1)
C Max digging depth – dozer up	mm (ft-in)	4195 (13-9)
C Max digging depth – dozer down	mm (ft-in)	4345 (14-3)
D Max digging height	mm (ft-in)	6312 (20-9)
E Max dump height	mm (ft-in)	4580 (15-0)
F Max height to dipper nose pivot pin	mm (ft-in)	5391 (17-8)
G Max vertical wallcut depth	mm (ft-in)	2668 (8-9)
H Min. front swing radius (no offset)	mm (ft-in)	2862 (9-5)
H Min. front swing radius (fully offset)	mm (ft-in)	2358 (7-9)
I Boom swing left	degrees	60
J Boom swing right	degrees	57
Bucket rotation	degrees	197
Dipper rotation	degrees	119
Bucket tearout	kN (lbf)	50 (11240)
Dipper tearout	kN (lbf)	36 (8093)
Slew speed	rpm	9

STANDARD EQUIPMENT

Fully glazed cab with laminated front up-and-over opening window with integral lower window storage (conforms to EN474);, speakers and aerial; intermittent wiper; courtesy light; automatic idle; electronic throttle control; single acting hi flow auxiliary; cab and boom worklights; coolbox; cup holder; two speed track motors; joystick mounted hammer switch; suspension seat; undercarriage belly guards; cab handrail; quickhitch electrics; cold start pre-heat; double element air cleaner; heavy-duty alternator; heavy-duty battery; cab and engine soundproofing; cab heater and screen demister; tinted glass; coat hook; 12v accessory socket; removable floormat with floor access plate below; cab side service access into valve block; windscreen wash wipe; plug in power socket; one-touch engine speed control; dozer blade.

OPTIONAL EQUIPMENT

FOPS guard stage 1 or 2; air-conditioned cab; track and dozer options; fan guard; battery isolator (standard for EU); radio with aux line in; low flow auxiliary; electronic proportional auxiliary controls; bucket-to-grab change over valves; double acting hi flow auxiliary; mechanical quickhitch; hydraulic quickhitch; tipping link mounted lifting point; general purpose buckets; ditch/grading buckets; hydraulic hammers; rotating beacon; electric refuelling pump; hose burst check valves (either 1 x boom and 1 x dozer or 1 x boom, 1 x dozer and 1 x dipper); headrest; deluxe high backed seat and deluxe high backed air-suspension seat options; special paint options.

WORKING RANGE

EEC NOISE LEVELS (95/27/EC DYNAMIC)

Cab / canopy external	dB (LwA)	98
Cab internal	dB (LpA)	73

DOZER BLADE – 450mm

Max height (above ground)	mm (ft-in)	463 (1-6¼)
Dig depth (below ground)	mm (ft-in)	403 (1-3¾)
Approach angle	degrees	23
Width	mm (ft-in)	2320 (7-7¼)
Height	mm (ft-in)	514 (1-8¼)
Reach in front of tracks	mm (ft-in)	632 (2-1)



OPTIONAL WIDE DOZER BLADE – 600mm TRACKS

Max height (above ground)	mm (ft-in)	463 (1-6¼)
Dig depth (below ground)	mm (ft-in)	403 (1-3¾)
Approach angle	degrees	23
Width	mm (ft-in)	2470 (8-1¼)
Height	mm (ft-in)	514 (1-8¼)
Reach in front of tracks	mm (ft-in)	632 (2-1)

OPTIONAL NARROW DOZER BLADE – OFFSET TRACKS

Max height (above ground)	mm (ft-in)	463 (1-6¼)
Dig depth (below ground)	mm (ft-in)	403 (1-3¾)
Approach angle	degrees	23
Width	mm (ft-in)	2220 (7-3½)
Height	mm (ft-in)	514 (1-8¼)
Reach in front of tracks	mm (ft-in)	632 (2-1)

LIFT CAPACITIES – 8085 ZTS 450mm Rubber Tracks, No bucket, 2000 mm Dipper

Load Point	2.5m (8ft 2in)			3.0m (9ft 10in)			3.5m (11ft 6 in)			4m (13ft 1 in)			4.5m (14ft 9in)			5m (16ft 5in)			5.5m (18ft 1in)			Capacity at max. reach							
	Dozer up	Dozer down	Dozer up	Dozer up	Dozer down	Dozer up	Dozer up	Dozer down	Dozer up	Dozer up	Dozer down	Dozer up	Dozer up	Dozer down	Dozer up	Dozer up	Dozer down	Dozer up	Dozer up	Dozer down	Dozer up	Dozer up	Dozer down	Dozer up					
Height	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	m (ft-in)			
3.5 (11-6)													1262*	1331*	1392*	1340*	1436*	1125						1110	1523*	1005	5.3 m		
3 (9-10)													1331*	1375*	1383*	1392*	1488*	1444*	1208	1505*	1058	990	1575*	915	990	1575*	915	5.5 m	
2.5 (8-2)							1044*	1557*	1601*	1514*	1601*	1566*	1496*	1601*	1462*	1170	1636*	1073	1028	1636*	923	990	1679*	863	990	1679*	863	5.6 m	
2 (6-7)				2540*	2297*	2393*	1931*	2036*	2062*	1705*	1853*	1508	1549*	1757*	1275	1170	1697*	1043	990	1688*	900	945	1688*	840	945	1688*	840	5.75 m	
1.5 (4-11)				2784*	2984*	2085	2262*	2462*	1635	1590	2158*	1403	1343	1958*	1178	1170	1853*	1005	983	1792*	863	900	1766*	795	900	1766*	795	5.75 m	
1 (3-3)				2340	3611*	1898	1883	2871*	1620	1560	2419*	1365	1320	2158*	1133	1148	2001*	983	960	1897*	848	900	1836*	818	900	1836*	818	5.75 m	
0.5 (1-8)	2700	4968*	2325	2295	4176*	1875	1830	3341*	1605	1538	2706*	1298	1268	2349*	1088	1103	2166*	945	960	1975*	833	908	1905*	803	908	1905*	803	5.75 m	
Ground Level	2730	5203*	2250	2288	4489*	1853	1770	3497*	1515	1545	2993*	1283	1268	2540*	1103	1095	2262*	953	953	2027*	833	923	1992*	810	923	1992*	810	5.6 m	
-0.5 -(1-8)	2678	5481*	2325	2213	4507*	1860	1748	3698*	1508	1455	3071*	1268	1268	2636*	1080	1095	2366*	953					998	2071*	855	998	2071*	855	5.4 m
-1 -(3-3)	2873	5742*	2348	2258	4681*	1883	1755	3680*	1500	1485	3106*	1275	1230	2680*	1095	1080	2262*	953					1035	2123*	930	1035	2123*	930	5.2 m

Lift capacity front and rear.

Lift capacity full circle.

- Notes:**
- Lifting capacities are based on ISO 10567, that is: 75% of minimum tipping load or 87% of hydraulic lift capacity, whichever is the less. Lifting capacities marked* are based on hydraulic capacity.
 - Lift capacities assume that the machine is on firm, level ground and equipped with an approved lifting point.
 - A bucket must be fitted when lifting, the weight of this bucket must be deducted from the above lift capacities.
 - Lift capacities may be limited by local regulations. Please refer to your dealer.

