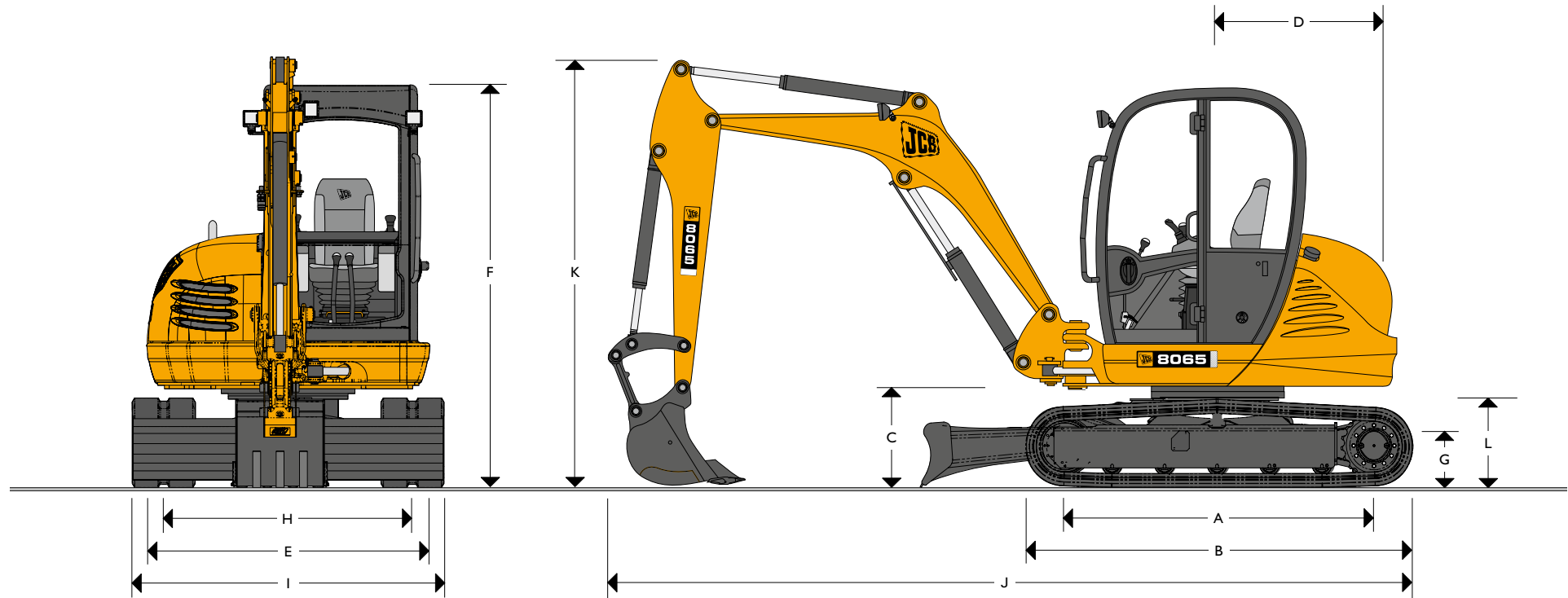




OPERATING WEIGHT: 6584 kg (14484.8 lbs) NETT ENGINE POWER: 38.1 kW (51.1hp)



STATIC DIMENSIONS

Machine model	8065 RTS	Machine model	8065 RTS
	mm (ft-in)		mm (ft-in)
A Sprocket idler centres – rubber	1991 (6-6)	F Height over cab	2563 (8-5)
Sprocket idler centres – steel	2006 (6-7)	G Ground clearance	340 (1-1)
B Undercarriage overall length – rubber	2516 (8-3)	H Track gauge	1600 (5-3)
Undercarriage overall length – steel	2531 (8-4)	I Width over tracks	2000 (6-7)
C Kingpost clearance	682 (2-3)	J Transport length with standard dipper	5426 (17-10)
D Tailswing radius	1183 (3-10)	K Transport height	2758 (9-1)
E Overall width of superstructure	1800 (5-11)	L Track height	650 (2-2)



ENGINE

Machine Model	8065 RTS	
Model	Isuzu 4LE-1T Tier 3	
Fuel	Diesel	
Cooling	Water Cooled	
Gross power	kW (hp) @ 2600 rpm	40.5 (54.3)
Net power	kW (hp) @ 2600 rpm	38.1 (51.1)
Gross torque	Nm (lbf ft) @ 1800 rpm	182 (134.2)
Net torque	Nm (lbf ft) @ 1800 rpm	171.1 (126.2)
Displacement	cc	2179
Gradeability	degrees	35
Battery	volt/amps	12 / 75Ah
Alternator	amps	80 (120)

UNDERCARRIAGE

Machine model	8065 RTS	
No of bottom rollers (per side)	5	
Track width	mm (in)	400 (15¾)
Ground bearing pressure	kg/cm² (psi)	0.396 (5.63)
Ground clearance	mm (in)	340 (1-1)
Track tensioning	Grease	
Travel speed – low	kph (mph)	2.9 (1.8)
Travel speed – high	kph (mph)	5.3 (3.3)
Tractive effort	kN (lbf)	77.5 (17422.69)

HYDRAULIC SYSTEM

Machine Model	8065 RTS	
Pump	74cc	
Nominal output (@ rated)	lpm	163
Nominal output	US gal/min	43
Excavator/track main relief	bar (psi)	230 (3626)
Slew main relief	bar (psi)	220 (3191)
Auxiliary hydraulic flow	litres (US gal)	90 (23.8)
Auxiliary low flow	litres (US gal)	25 (6.6)
Auxiliary high flow	litres (US gal)	140 (37)
Hydraulic motors	Piston	

OPERATOR ENVIRONMENT

		External	Internal
Cab/canopy height with FOGS guard	mm (ft-in)	2658 (8-8½)	1556 (5-1)
Cab/canopy height no FOGS guard	mm (ft-in)	2623 (8-7¼)	1556 (5-1)
Cab height with air conditioning	mm (ft-in)	2768 (9-1)	1556 (5-1)
Cab height no air conditioning	mm (ft-in)	2623 (8-7¼)	1556 (5-1)
Cab/canopy length	mm (ft-in)	1328 (4-4)	1187 (3-11)
Cab/canopy width	mm (ft-in)	980 (3-2½)	933 (3-1)
Distance from seat base to roof	mm (ft-in)	1570 (5-2)	1570 (5-2)
Door aperture width	mm (ft-in)	564 (1-10)	564 (1-10)

SERVICE CAPACITIES

Machine model	8065 RTS	
Fuel tank	litres (US Gal)	73 (19.3)
Engine coolant	litres (US Gal)	13.5 (3.56)
Engine oil	litres (US Gal)	9 (2.3)
Hydraulic system	litres (US Gal)	105 (30)
Hydraulic tank	litres (US Gal)	59 (25)

MACHINE WEIGHTS

Machine model	8065 RTS	
Operating weight*	kg (lb)	6584 (14515.22)
Transport weight	kg (lb)	6508 (14319.8)
With canopy	kg (lb)	-80.0 (-176.0)
With FOGS guard	kg (lb)	+25 (+55)

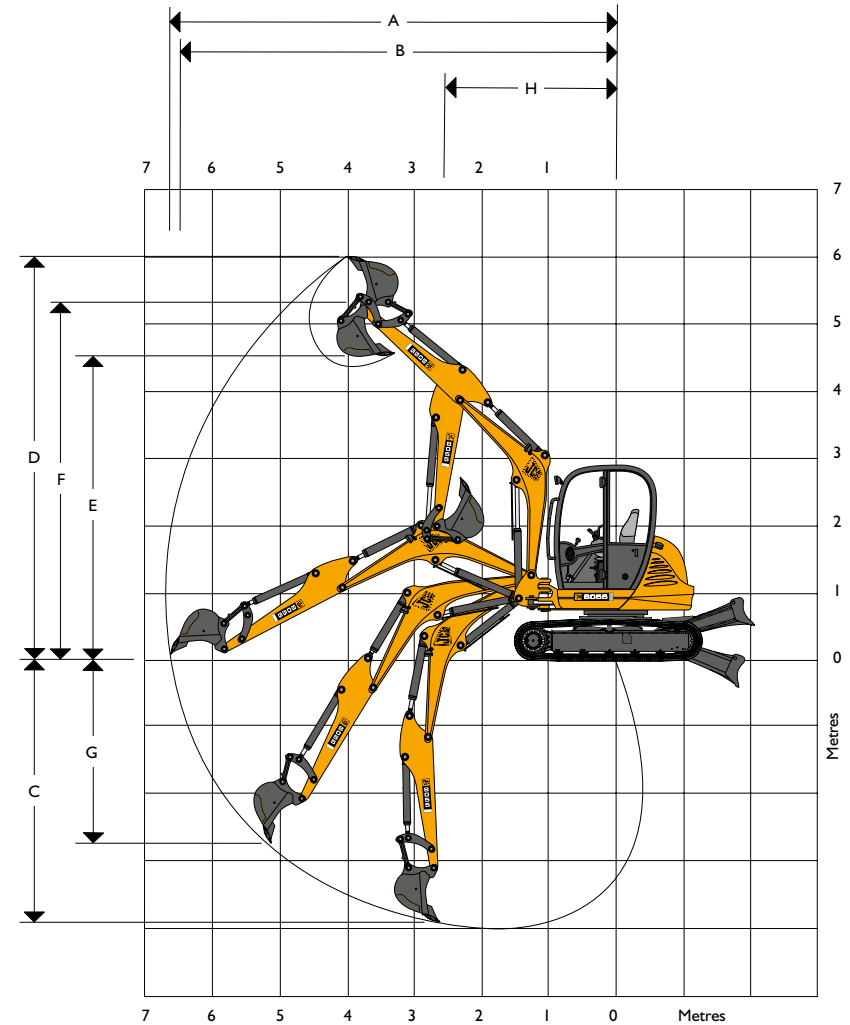
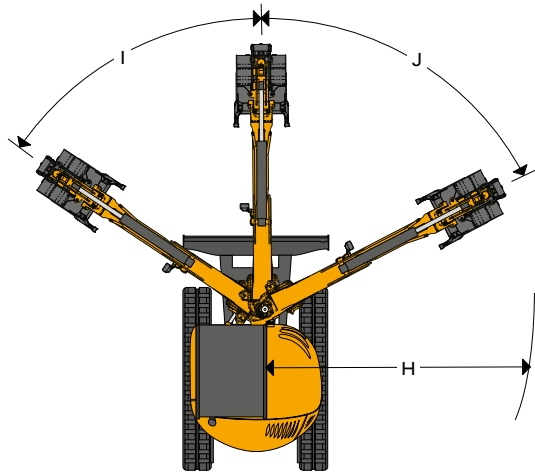
*Operating weight to ISO 6016 including cab, rubber tracks, standard dipper, 460mm (18in) bucket, full tanks and a 75kg (165lb) operator.

DOZER BLADE

Machine model	8065 RTS	
Max height (above ground)	mm (ft-in)	432 (1-5)
Dig depth (below ground)	mm (ft-in)	553 (1-9¾)
Approach angle	degrees	27.5
Width	mm (ft-in)	2020 (6-7½)
Height	mm (ft-in)	411 (1-4)
Reach in front of tracks	mm (ft-in)	721.4 (2-4½)

WORKING RANGE

Machine model		8065 RTS
Boom length	mm (ft-in)	2780 (9-1)
Dipper length	mm (ft-in)	1900 (6-3)
A Max digging reach	mm (ft-in)	6624 (21-8)
B Max digging reach on ground	mm (ft-in)	6514 (21-4)
C Max digging depth – dozer up	mm (ft-in)	4068 (13-4)
C Max digging depth – dozer down	mm (ft-in)	4350 (14-3)
D Max digging height	mm (ft-in)	6004 (19-8)
E Max dump height	mm (ft-in)	4271 (14-0)
F Max height to dipper nose pivot pin	mm (ft-in)	5085 (16-8)
G Max vertical wallcut depth	mm (ft-in)	2689 (8-9)
H Min. front swing radius (no offset)	mm (ft-in)	2695 (8-10)
H Min. front swing radius (fully offset)	mm (ft-in)	2373 (7-10)
I Boom swing left	degrees	60
J Boom swing right	degrees	65
Bucket rotation	degrees	197
Dipper rotation	degrees	123
Bucket tearout	kN (lbf)	41.1 (9239.65)
Dipper tearout	kN (lbf)	29.7 (6676.83)
Slew speed	rpm	10





EEC NOISE LEVELS (95/27/EC DYNAMIC)

Machine model		8065 RTS/ZTS
Cab / canopy external	dB (LwA)	96
Cab internal	dB (LwA)	76

STANDARD EQUIPMENT

ROPS & TOPS certified fully glazed cab (includes heater, interior light, cup holder, door holdback latch within tail swing, gas strut assisted front screen), single acting circuit for breakers, full audio/visual warning systems, hydraulic slew braking with disc type park brake, control isolator, lockable toolbox, electronic throttle, switchable auto-idle, 12v power socket, fold-up tracking pedals, lifting points, rubber tracks, ISO servo controls, suspension seat, boom worklight, single acting auxiliary circuit to dipper, boom ram protection, dozer blade, boom 2750mm, 1900mm dipper, 2-speed tracking, auto kickdown track motors, auto idle function.

OPTIONAL EQUIPMENT

Dual pattern controls (ISO/SAE change-over), front or rear cab/canopy mounted worklights, air conditioning engine fan guard kit, FOPS roof guard (falling object protection guard), mirror, toolkit, radio, biodegradable hydraulic oil, fire extinguisher, sunblind (cab builds), battery isolator, Datatag (UK only), travel alarm, immobiliser, 1 tonne lift option, hose-burst-check-valves, boom, dipper and dozer, yellow roof moulding, digging buckets, ditching/grading bucket, hydraulic breaker, earthdrill/auger, mechanical quickhitch, double acting auxiliary pipework, mirror kit, JCB impact protection cab screen, wide steel tracks (550mm/1ft 10in), flashing beacon, double acting circuit, buckets in widths (mm/in): 3CX (standard 230/9in, 305/1ft, 350/1ft 2in, 400/1ft 4in, 460/1ft 6in, 610/2ft, 915/3ft, 8052 (higher tearout) 300/1ft, 350/1ft 2in, 400/1ft 4in, 460/1ft 6in, 600/2ft, 750/2ft 6in, 900/3ft. Ditching/grading bucket (mm/ft): 1525/5ft. Attachments: JCB 260/360 breaker, earthdrill, mechanical quickhitch.

8065 RTS LIFT CAPACITIES – Standard Dozer, 400mm (16in) Rubber Tracks, 1900mm (6ft 3in) dipper, No bucket.

Reach from slew centre

Load Point	2.5m (8ft 2½in)			3m (9ft 10in)			4m (13ft 1½in)			5m (16ft 6in)			Capacity at maximum reach			
Height m (ft-in)	Dozer up kg	Dozer down kg	kg	Dozer up kg	Dozer down kg	kg	Dozer up kg	Dozer down kg	kg	Dozer up kg	Dozer down kg	kg	Dozer up kg	Dozer down kg	kg	mm (ft-in)
2.5 (8-2½)							1272*	1322*	1227*	817	1335*	723	723	1364*	625	5.4 (17-9)
2.0 (6-6)				1298*	1746*	1702*	1367*	1479*	1018	838	1391*	723	698	1401*	600	5.5 (18-0½)
1.5 (4-11)	2755*	2965*	2010	2096*	2290*	1586	1163	1679*	1001	803	1462*	705	666	1415*	579	5.6 (18-5)
1 (3-3)	2145	3671*	1840	1693	2740*	1463	1105	1879*	959	803	1544*	677	657	1442*	567	5.6 (18-5)
0.5 (1-8)	2092	4002*	1841	1649	3095*	1394	1080	2040*	915	776	1633*	668	662	1488*	563	5.55 (18-2½)
Ground Level	1958	4152*	1685	1608	3363*	1343	1074	2245*	909	773	1698*	669	686	1541*	584	5.45 (17-11)
- 0.5 – (1-8)	1891	4051*	1671	1547	3396*	1293	1061	2358*	889	778	1722*	654	710	1579*	606	5.3 (17-5)
- 1 – (3-3)	1523	3389*	1632	1204	2745*	1304	874	1984*	894			669	731	1622*	656	4.6 (15-1)



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.

