



# JCB MINI EXCAVATOR | 8035 ZTS

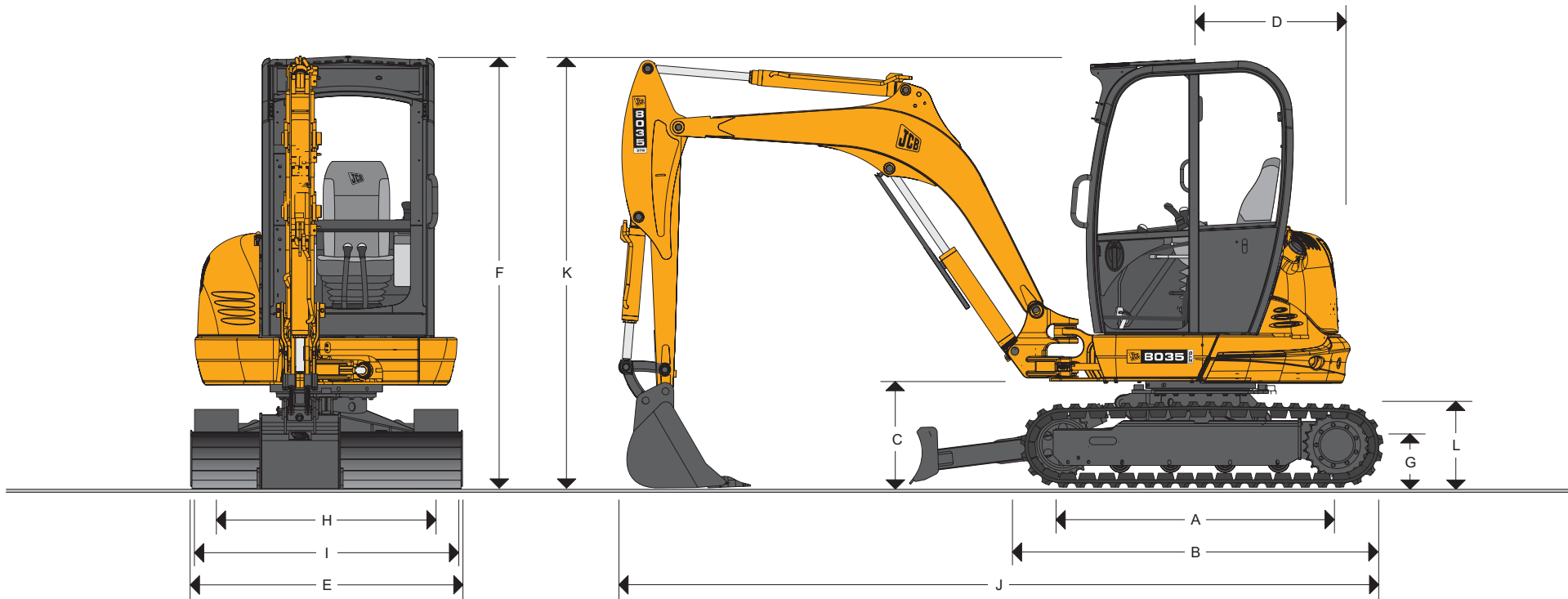


OPERATING WEIGHT

3651 kg (8032 lb)

NETT ENGINE POWER

22.7 kW (30.4 hp)



## STATIC DIMENSIONS

Machine model		8035
		mm (ft-in)
A	Sprocket idler centres	1707 (5-6¼)
B	Undercarriage overall length	2176 (7-7)
C	Kingpost clearance	600 (2-0)
D	Tailswing radius	850 (2-9½)
E	Overall width of superstructure	1656 (5-5)
F	Height over cab	2470 (8-1¼)

Machine model		8035
		mm (ft-in)
G	Ground clearance	300 (1-0)
H	Track gauge	1400 (4-7)
I	Width over tracks	1750 (5-9)
J	Transport length	4462 (14-7¾)
K	Transport height	2475 (8-1½)
L	Track height	470 (1-6½)



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## ENGINE

Machine Model		8035
Model		403-17
Fuel		Diesel
Cooling		Water cooled
Gross power	kW(HP) @ 2200 rpm	23.6
Net power	kW(HP) @ 2200 rpm	22.7
Gross torque	Nm (lbf ft) @ 1600 rpm	106.3
Net torque	Nm (lbf ft) @ 1600 rpm	102.3
Displacement	cc	1663
Gradeability	degrees	36
Starter motor	kW(HP)	2
Battery	volt/amps	12/75
Alternator	amps	55

## UNDERCARRIAGE

Machine model		8035
No of bottom rollers		4
Track width	mm (in)	300 (12)
Ground bearing pressure	kg/cm <sup>2</sup> (psi)	0.36 (4.9)
Ground clearance	mm (in)	300 (12)
Track tensioning		Grease
Travel speed – low	kph (mph)	2.4 (1.5)
Travel speed – high	kph (mph)	4.3 (2.7)
Tractive effort	kN (lbf)	32

## STANDARD EQUIPMENT

ROPS & TOPS certified canopy, suspension seat, full audio/visual warning systems, slew travel lock, control isolator; external lockable toolbox, 12v power socket, lifting points, rubber tracks, ISO servo controls, suspension seat, boom worklight, track pedals, single acting auxiliary circuit, boom ram protection, dozer blade, 1525mm dipper.

## OPTIONAL EQUIPMENT

ROPS & TOPS certified fully glazed cab (includes heater, interior light, cigarette lighter, foldback door, gas strut assisted front screen), steel tracks, dual pattern controls (ISO/SAE change-over), cab/canopy mounted worklights, double acting auxiliary circuit, electro-proportional auxiliary controls, air conditioning, engine fan guard, FOGS roof guard, mirror, toolkit, radio, biodegradable hydraulic oil, fire extinguisher, sunblind (cab builds), battery isolator, Datatag (UK, Italy & Holland only), travel alarm, immobiliser, yellow roof moulding, hose burst check valves, digging buckets (230mm to 760mm), 1000mm ditching/grading bucket, hydraulic breakers, earthdrill, mechanical quickhitch, hydraulic kerb-lifter.

## HYDRAULIC SYSTEM

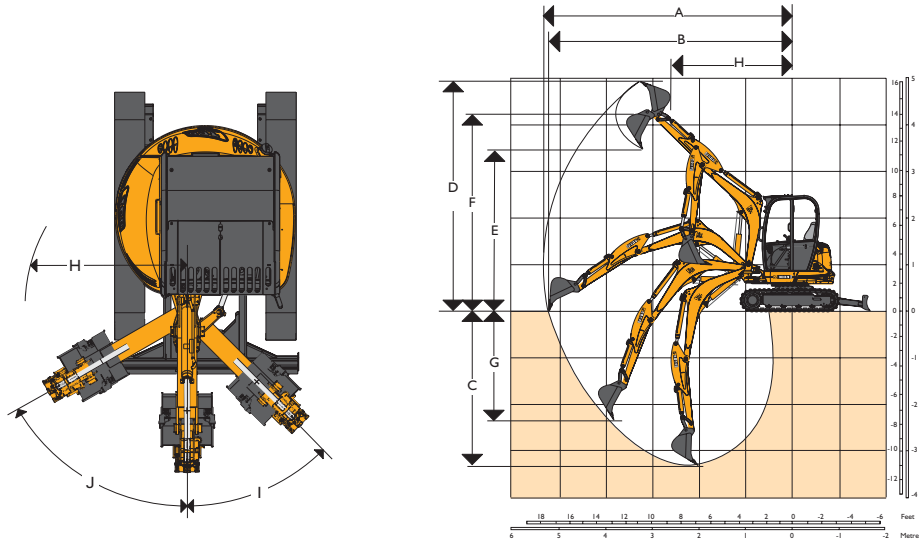
		8035
Pump		2 Variable & 1 Gear
Nominal output	Lpm	110
Nominal output	US gal/min	29.1
Excavator/track main relief	bar (psi)	245 (3553)
Slew main relief	bar (psi)	190 (2756)
Auxiliary hydraulic flow	Litres (US gal)	69 (18.2)
Hydraulic motors		Piston



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## WORKING RANGE



Machine Model		8035
Dipper length	mm (ft-in)	1525 (4-0)
A Max digging reach	mm (ft-in)	5436 (17-9½)
B Max digging reach on ground	mm (ft-in)	5315 (17-5)
C Max digging depth – dozer up	mm (ft-in)	3179 (10-5)
Max digging depth – dozer down	mm (ft-in)	3512 (11-6½)
D Max digging height	mm (ft-in)	4601 (15-2)
E Max dump height	mm (ft-in)	3482 (11-5)
F Max height to dipper nose pivot pin	mm (ft-in)	4009 (13-8¾)
G Max vertical wallcut depth	mm (ft-in)	2165 (7-1¼)
H Min. front swing radius (no offset)	mm (ft-in)	2492 (8-2)
Min. front swing radius (fully offset)	mm (ft-in)	1630 (5-4½)
I Boom swing left	degrees	45
J Boom swing right	degrees	60
Bucket rotation	degrees	186
Dipper rotation	degrees	119
Bucket tearout	kN (lbf)	32 (7193)
Dipper tearout	kN (lbf)	20 (4496)
Slew speed	rpm	9.6

## 8035 LIFT CAPACITIES – Standard Dozer, 300mm (12in) Rubber Tracks, 1525mm (5ft-0¼in) dipper, No bucket.

Load Point	Reach from slew centre														
	2.5m (8ft 2½in)			3.0m (9ft 10in)			3.5m (11ft 6in)			4.0m (13ft 1in)			Capacity at maximum reach		
Height	Lift capacity front and rear			Lift capacity front and rear			Lift capacity front and rear			Lift capacity front and rear			Lift capacity full circle		
m (ft-in)	Dozer up	Dozer down	kg	Dozer up	Dozer down	kg	Dozer up	Dozer down	kg	Dozer up	Dozer down	kg	Dozer up	Dozer down	kg
2.0 (6-7)				593*	610*	626*	578*	617*	606*	390	623*	431	315	596*	330
1.5 (4-11)	954*	1031*	996*	617	846*	676	490	755*	522	386	697*	414	312	668*	315
I (3-3)	800	1366*	846	606	1061*	614	465	878*	486	388	854*	407	306	711*	307
0.5 (1-8)	720	1579*	800	534	1205*	636	476	996*	481	367	849*	397	315	741*	313
Ground Level	660	1679*	787	529	1444*	604	438	1066*	483	361	883*	386	301	740*	522
-0.5 -(1-8)	684	1804*	759	555	1466*	577	446	1125*	475	378	922*	390	337	819*	337
-1 -(3-3)	691	1693*	772	499	1321*	585	401	1117*	481	361	935*	399	362	859*	385

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.



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## OPERATOR ENVIRONMENT

Machine Model	8035	
Cab/canopy height	mm (ft-in)	1517 (4-11 <sup>3</sup> / <sub>4</sub> )
Cab/canopy length	mm (ft-in)	1205 (3-11 <sup>1</sup> / <sub>2</sub> )
Cab/canopy width	mm (ft-in)	980 (3-2 <sup>1</sup> / <sub>2</sub> )
Door aperture width	mm (ft-in)	532 (1-9)

## SERVICE CAPACITIES

Machine model	8035	
Fuel tank	litres (US Gal)	40 (10.6)
Engine coolant	litres (US Gal)	8.5 (2.5)
Engine oil	litres (US Gal)	4.5 (1.2)
Hydraulic system	litres (US Gal)	70 (18.5)
Hydraulic tank	litres (US Gal)	45 (11.9)

## EEC NOISE LEVELS (95/27/EC DYNAMIC)

Machine model	8035	
Cab / canopy external	dB (LwA)	95

## MACHINE WEIGHTS

Machine model	8035	
Operating weight*	kg (lb)	3651 (8032)
Transport weight	kg (lb)	3576 (7868)
With canopy	kg (lb)	- 100 - (220.5)
With FOGS guard	kg (lb)	+ 36 + (79)
With steel tracks	kg (lb)	+ 70 + (154)
With long dozer	kg (lb)	N/A
With suspension seat	kg (lb)	N/A

\*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	8035	
Max height (above ground)	mm (ft-in)	413 (1-4)
Dig depth (below ground)	mm (ft-in)	629 (2-0 <sup>3</sup> / <sub>4</sub> )
Approach angle	degrees	24.5
Width	mm (ft-in)	1734 (5-8)
Height	mm (ft-in)	326 (1-0 <sup>3</sup> / <sub>4</sub> )
Reach in front of tracks	mm (ft-in)	668 (2-2 <sup>1</sup> / <sub>2</sub> )

