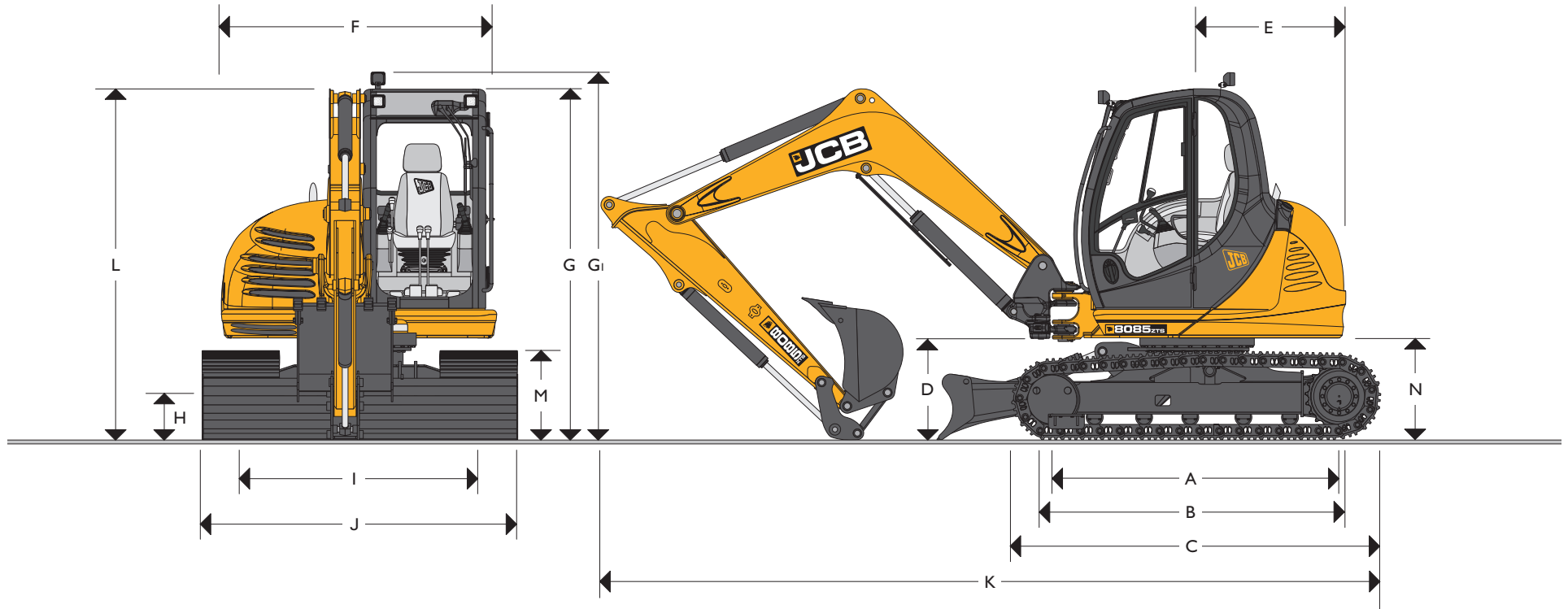




OPERATING WEIGHT: 17,694 lb (8026 kg) NET ENGINE POWER: 53 hp (39.5 kW) Interim Tier IV



STATIC DIMENSIONS

Machine Model	8085 ZTS
	ft-in (mm)
A Sprocket Idler Centers	7-6 (2280)
B Track Length on Ground	7-3 (2200)
C Undercarriage Overall Length – Rubber	9-3 (2830)
Undercarriage Overall Length – Steel	9-3 (2830)
D Kingpost Clearance	2-5 (741)
E Tailswing Radius	3-10 (1160)
F Overall Width of Superstructure	7-0 (2135)
G Height Over Cab	8-11 (2719)

Machine Model	8085 ZTS
	ft-in (mm)
G1 Height Over Cab - Work Lights	9-3 (2830)
H Ground Clearance	1-2 (363)
I Track Gauge	6-1 (1850)
J Width Over Tracks (450 shoes)	7-7 (2300)
K Transport Length with Standard Dipper	19-11 (6060)
L Transport Height with Standard Dipper	9-4 (2840)
M Track Height	2-2 (665)
N Counter Weight Clearance	2-6 (767)



ENGINE

Model	Isuzu 4LE2X	
Fuel	Diesel	
Cooling	Water Cooled	
Gross Power	hp (kW) @ 2200 rpm	58 (43.0)
Net Power	hp (kW) @ 2200 rpm	53 (39.5)
Gross Torque	lbf ft (Nm) @ 1600 rpm	162 (220)
Displacement	in ³ (cc)	133 (2179)
Gradability	degrees	35
Starter Motor	hp (kW)	3 (2.2)
Battery	V (A)	12 (80)
Alternator	A	80
Emissions Certification	Interim Tier IV	

UNDERCARRIAGE

Machine Model	8085 ZTS	
No of Top Rollers	1	
No of Bottom Rollers	5	
Width Over Tracks	in (mm)	7-7 (2300)
Ground Clearance	in (mm)	1-2 (363)
Track Tensioning	Grease	
Travel Speed - Low	mph (kph)	2-2 (3.6)
Travel Speed - High	mph (kph)	2-6 (4.2)
Tractive Effort	lbf (kN)	15,736.63 (70)

HYDRAULIC SYSTEM

Machine Model	8085 ZTS	
Nominal Output (@ rated)	gal/min (lpm)	45 (170)
Nominal Output	gal/min	37.4
Excavator/Track Main Relief	psi (bar)	4351 (300)
Slew Main Relief	psi (bar)	3277 (226)
Auxiliary Low Flow	gal/min (lpm)	6.6 (25)
Auxiliary Std Flow	gal/min (lpm)	23.8 (90)

Hydraulic systems – A variable flow load sensing system with flow on demand and servo operated, multi-function open center 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 WEIGHTS

Machine Model	8085 ZTS Weights lb (kg)	8085 ZTS Bearing Pressure lb/sq in (kg/cm ²)
Operating Weight* 18" (450 mm) Rubber Tracks	17,694 (8026)	5.67 (0.40)
Transport Weight 18" (450 mm) Rubber Tracks	17,529 (7951)	5.67 (0.40)
With FOGS Guard – Stage 1	+106 (48)	5.83 (0.41)
With FOGS Guard – Stage 2	+124 (56)	5.83 (0.41)
With Steel Tracks 18 in (150 mm)	+300 (136)	5.83 (0.41)
With Steel Tracks 24 in (600 mm)	+754 (342)	4.41 (0.31)
With Bridgestone Geogrips	+238 (108)	5.83 (0.41)
With Wide Dozer 96 in (2,450 mm)	+22 (10)	4.41 (0.31)

*Operating weight to ISO 6016 including cab, rubber tracks, standard dipper, 18 in (450 mm) bucket, full tanks and a 165 lb (75 kg) operator.

OPERATOR ENVIRONMENT

		External	Internal
Cab/Canopy Height	ft-in (mm)	8-11 (2729)	8-11 (2729)
Cab/Canopy Height with FOGS Guard LEVEL 1	ft-in (mm)	9-2 (2798)	9-2 (2798)
Cab/Canopy Height with FOGS Guard LEVEL 2	ft-in (mm)	9-4 (2830)	9-4 (2830)
Cab/Canopy Length	ft-in (mm)	4-11 (1510)	4-7 (1405)
Cab/Canopy Width	ft-in (mm)	3-1 (960)	3-1 (945)
Distance from Seat Base to Roof	ft-in (mm)	3-8 (1130)	3-8 (1130)
Door Aperture Width	ft-in (mm)	2-5 (735)	2-5 (735)

SERVICE CAPACITIES

Machine Model	8085 ZTS	
Fuel Tank	gal (l)	27.3 (103)
Engine Coolant	gal (l)	3.8 (14.2)
Engine Oil	gal (l)	1.8 (6.8)
Hydraulic System	gal (l)	27.7 (105)
Hydraulic Tank	gal (l)	15.8 (59.9)

WORKING RANGE

Machine Model		8085 ZTS*
Boom Length	ft-in (mm)	9-5 (2875)
Dipper Length	ft-in (mm)	6-7 (2000)
A Max Digging Reach	ft-in (mm)	22-7 (6887)
B Max Digging Reach on Ground	ft-in (mm)	22-1 (6729)
C Max Digging Depth – Dozer Up	ft-in (mm)	13-9 (4195)
C Max Digging Depth – Dozer Down	ft-in (mm)	14-3 (4345)
D Max Digging Height	ft-in (mm)	20-9 (6312)
E Max Dump Height	ft-in (mm)	15-0 (4580)
F Max Height to Dipper Nose Pivot Pin	ft-in (mm)	17-8 (5391)
G Max Vertical Wallcut Depth	ft-in (mm)	8-9 (2668)
H Min Front Swing Radius (no offset)	ft-in (mm)	9-5 (2862)
H Min Front Swing Radius (fully offset)	ft-in (mm)	7-9 (2358)
I Boom Swing Left	degrees	60
J Boom Swing Right	degrees	57
Bucket Rotation	degrees	197
Dipper Rotation	degrees	119
Bucket Tearout	lbf (kN)	11,240 (50)
Dipper Tearout	lbf (kN)	8093 (36)
Slew Speed	rpm	9

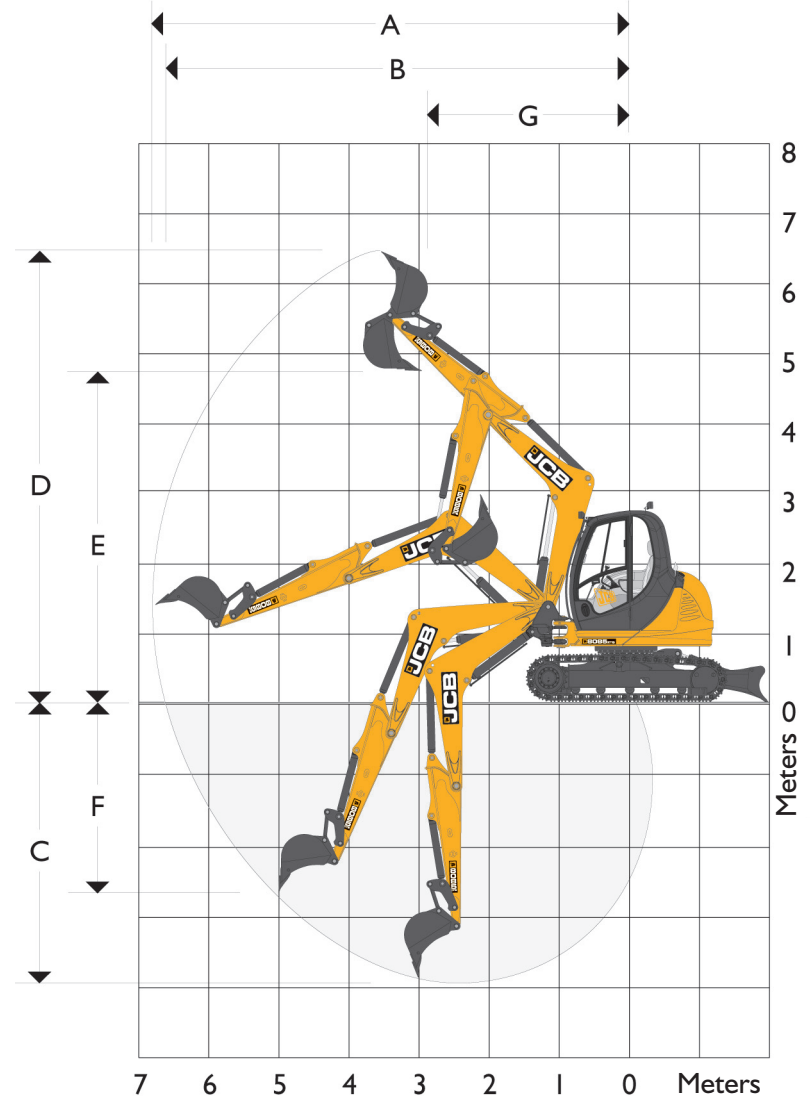
* Standard machine, measurements without quickhitch.

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; double acting hydraulics; 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, DPC - Dual Pattern Control System.

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; mechanical quickhitch; tipping link mounted lifting point; general purpose buckets; ditch/grading buckets; hydraulic hammers; rotating beacon; electric refuelling pump; headrest; deluxe high backed seat and deluxe high backed air-suspension seat options.





DOZER BLADE – 18in TRACKS

Dozer Length	ft-in (mm)	4-6 (1360)
Max Height (above ground)	ft-in (mm)	1-6 (463)
Dig Depth (below ground)	ft-in (mm)	1-4 (403)
Approach Angle	degrees	23
Width	ft-in (mm)	7-7 (2320)
Height	ft-in (mm)	1-8 (514)
Reach in Front of Tracks	ft-in (mm)	2-1 (632)

EEC NOISE LEVELS (95/27/EC DYNAMIC)

Machine Model		8085 ZTS
Cab / Canopy External	dB (LwA)	98
Cab Internal	dB (LwA)	73

OPTIONAL WIDE DOZER BLADE – 24 in TRACKS

Dozer Length	ft-in (mm)	4-7 (1400)
Max Height (above ground)	ft-in (mm)	1-6 (463)
Dig Depth (below ground)	ft-in (mm)	1-4 (403)
Approach Angle	degrees	23
Width	ft-in (mm)	8-1 (2470)
Height	ft-in (mm)	1-8 (514)
Reach in Front of Tracks	ft-in (mm)	2-1 (632)

LIFT CAPACITIES – 8085 ZTS 18 in (457 mm) Rubber Tracks, No Bucket, 6 ft 7 in (2,007 mm) Dipper

Load Point	8 ft 2 in (2500 mm)			9 ft 10 in (3000 mm)			11 ft 6 in (3500 mm)			13 ft 1 in (4000 mm)			14 ft 9 in (4500 mm)			16 ft 5 in (5000 mm)			18 ft 1 in (5500 mm)			Capacity at Maximum Reach		
Height	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
ft-in (mm)	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb
11-6 (3500)													2781	2934	3068	2953	3165	2480				2446	3357	2215
9-10 (3000)										2934	3031	3048	3068	3280	3183	2662	3317	2332	2182	3471	2017	2182	3471	2017
8-2 (2500)							2301	3432	3529	3337	3529	3451	3297	3529	3222	2579	3606	2365	2266	3606	2034	2182	3701	1902
6-7 (2000)				5598	5063	5274	4256	4487	4545	3758	4084	3324	3414	3872	2810	2579	3740	2299	2182	3720	1984	2083	3720	1851
4-11 (1500)				6136	6577	4595	4985	5426	3604	3504	4756	3092	2960	4315	2596	2579	4084	2215	2167	3950	1902	1984	3892	1752
3-3 (1000)				5157	7959	4183	4150	6328	3570	3438	5331	3008	2909	4756	2497	2530	4410	2167	2116	4181	1869	1984	4047	1803
1-8 (500)	3747	10949	5124	5058	9204	4133	4033	7364	3537	3390	5964	2861	2795	5177	2398	2431	4774	2083	2116	4353	1836	2001	4199	1770
Ground Level	6017	11467	4959	5043	9894	4084	3901	7707	3339	3405	6597	2850	2795	5598	2431	2413	4985	2100	2100	4468	1836	2034	4390	1785
-1-8 (-500)	5902	12080	5124	4877	11917	4099	3853	8150	3324	3207	6768	2795	2795	5810	2380	2413	5215	2100				2200	4564	1884
-3-3 (-1000)	6332	12655	5175	4977	12521	4150	3868	8111	3306	3273	6846	2810	2711	5907	2413	2380	4985	2100				2281	4679	2050

- Lift capacity front and rear
- Lift capacity full circle

- Notes:**
1. 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.
 2. Lift capacities assume that the machine is on firm, level ground and equipped with an approved lifting point.
 3. A bucket must be fitted when lifting, the weight of this bucket must be deducted from the above lift capacities.
 4. Lift capacities may be limited by local regulations. Please refer to your dealer.



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