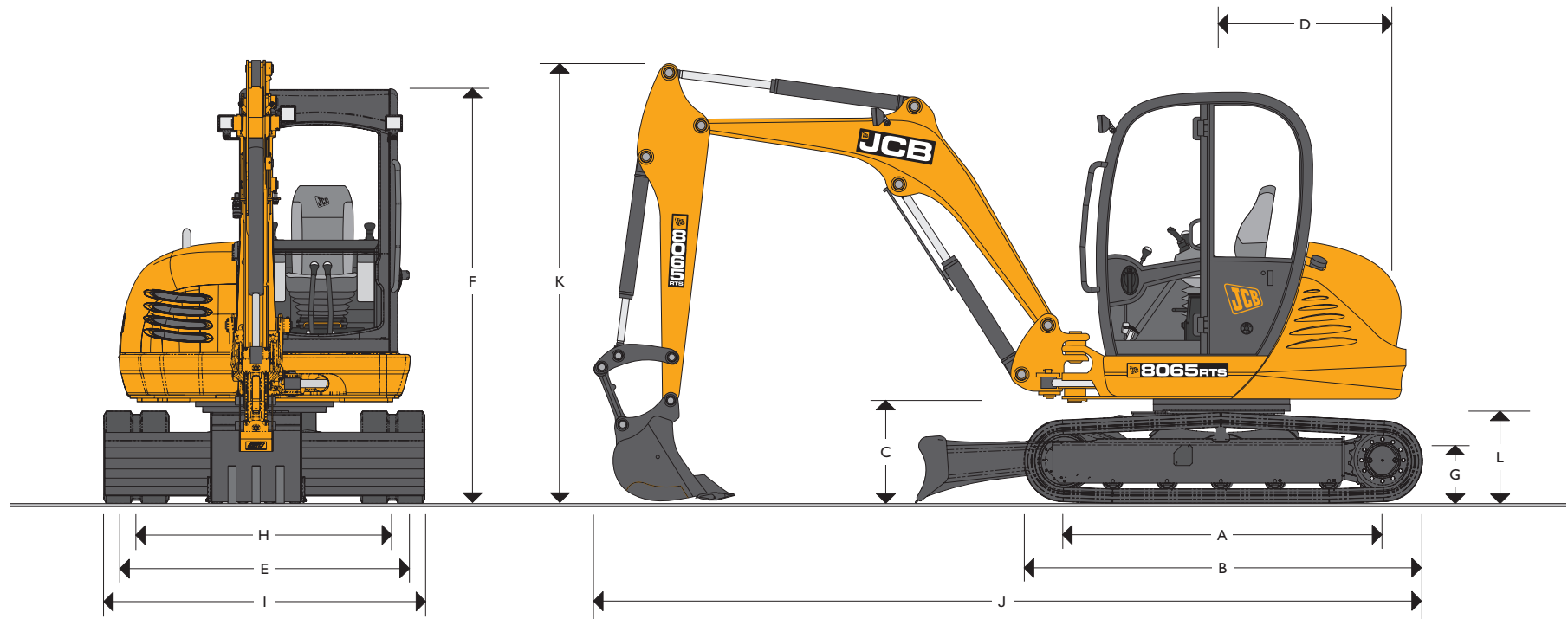




OPERATING WEIGHT: 14,515 lb (6,584 kg) NET ENGINE POWER: 51.1 hp (38.1 kW) Interim Tier IV



STATIC DIMENSIONS

Machine Model	8065 RTS
	ft-in (mm)
A Sprocket Idler Centers – Rubber	6-6 (1991)
Sprocket Idler Centers – Steel	6-7 (2006)
B Undercarriage Overall Length – Rubber	8-3 (2516)
Undercarriage Overall Length – Steel	8-4 (2531)
C Kingpost Clearance	2-3 (682)
D Tailswing Radius	3-10 (1183)
E Overall Width of Superstructure	5-11 (1800)

Machine Model	8065 RTS
	ft-in (mm)
F Height Over Cab	8-5 (2563)
G Ground Clearance	1-1 (340)
H Track Gauge	5-3 (1600)
I Width Over Tracks	6-7 (2000)
J Transport Length with Standard Dipper	17-10 (5426)
K Transport Height	9-1 (2758)
L Track Height	2-2 (650)



ENGINE

Machine Model		8065 RTS
Model		Isuzu 4LE-1T
Fuel		Diesel
Cooling		Water Cooled
Gross Power	hp (kW) @ 2600 rpm	54.3 (40.5)
Net Power	hp (kW) @ 2600 rpm	51.1 (38.1)
Gross Torque	lbf ft (Nm) @ 1800 rpm	134.2 (182)
Net Torque	lbf ft (Nm) @ 1800 rpm	126.2 (171.1)
Displacement	cid (cc)	132 (2179)
Gradeability	degrees	35
Battery	V (A)	12 (75)
Alternator	A	80
Emission Certification		Interim Tier IV

UNDERCARRIAGE

Machine Model		8065 RTS
No of Bottom Rollers (per side)		5
Track Width	in (mm)	15¼ (400)
Ground Bearing Pressure	psi (kg/cm²)	5.63 (0.396)
Ground Clearance	in (mm)	1-1 (340)
Track Tensioning		Grease
Travel Speed – Low	mph (kph)	1.8 (2.9)
Travel Speed – High	mph (kph)	3.3 (5.3)
Tractive Effort	lbf (kN)	12,814.11 (57)

HYDRAULIC SYSTEM

Machine Model		8065 RTS
Pump	cc	74
Nominal Output (@ rated)	lpm	163
Nominal Output	gal/min	43
Excavator/Track Main Relief	bar (bar)	3336 (230)
Slew Main Relief	bar (bar)	3191 (220)
Auxiliary Hydraulic Flow	gal (l)	23.8 (90)
Auxiliary Low Flow	gal (l)	6.6 (25)
Hydraulic Motors		Piston

MACHINE WEIGHTS

Machine Model		8065 RTS
Operating Weight*	lb (kg)	14,515 (6584)
Transport Weight	lb (kg)	14,347 (6508)
With Canopy	lb (kg)	-176 (-80.0)
With FOGS Guard	lb (kg)	+55 (+25)

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

OPERATOR ENVIRONMENT

		External	Internal
Cab/Canopy Height with FOGS Guard	ft-in (mm)	8-8½ (2658)	5-1 (1556)
Cab/Canopy Height no FOGS Guard	ft-in (mm)	8-7¼ (2623)	5-1 (1556)
Cab Height with Air Conditioning	ft-in (mm)	9-1 (2768)	5-1 (1556)
Cab Height No Air Conditioning	ft-in (mm)	8-7¼ (2623)	5-1 (1556)
Cab/Canopy Length	ft-in (mm)	4-4 (1328)	3-11 (1187)
Cab/Canopy Width	ft-in (mm)	3-2½ (980)	3-1 (933)
Distance from Seat Base to Roof	ft-in (mm)	5-2 (1570)	5-2 (1570)
Door Aperture Width	ft-in (mm)	1-10 (564)	1-10 (564)

SERVICE CAPACITIES

Machine Model		8065 RTS
Fuel Tank	gal (l)	19.3 (73)
Engine Coolant	gal (l)	3.6 (13.5)
Engine Oil	gal (l)	2.4 (9)
Hydraulic System	gal (l)	27.7 (105)
Hydraulic Tank	gal (l)	15.6 (59)

WORKING RANGE

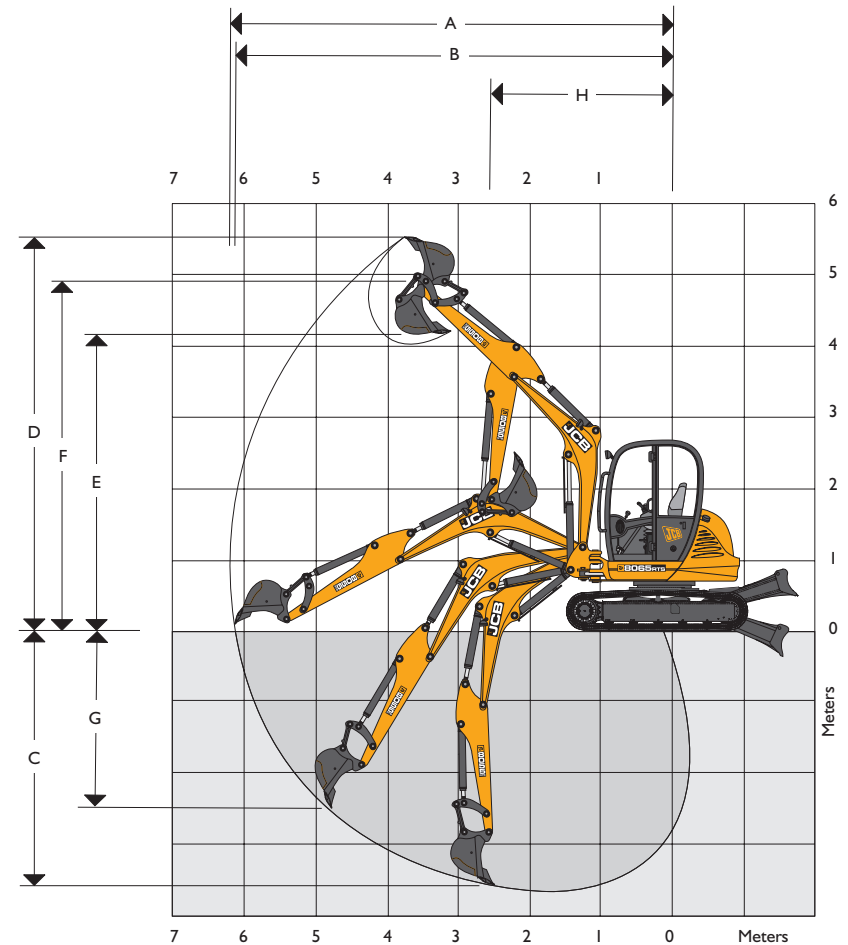
Machine Model		8065 RTS
Dipper Length	ft-in (mm)	6-3 (1900)
A Max Digging Reach	ft-in (mm)	21-8 (6624)
B Max Digging Reach on Ground	ft-in (mm)	21-4 (6514)
C Max Digging Depth – Dozer Up	ft-in (mm)	13-4 (4068)
C Max Digging Depth – Dozer Down	ft-in (mm)	14-3 (4350)
D Max Digging Height	ft-in (mm)	19-8 (6004)
E Max Dump Height	ft-in (mm)	14-0 (4271)
F Max Height to Dipper Nose Pivot Pin	ft-in (mm)	16-8 (5085)
G Max Vertical Wallcut Depth	ft-in (mm)	8-9 (2689)
Min Front Swing Radius (no offset)	ft-in (mm)	8-10 (2695)
Min Front Swing Radius (fully offset)	ft-in (mm)	7-10 (2373)
Boom Swing Left	degrees	60
Boom Swing Right	degrees	65
Bucket Rotation	degrees	197
Dipper Rotation	degrees	123
Bucket Tearout	lbf (kN)	9240 (41.1)
Dipper Tearout	lbf (kN)	6677 (29.7)
Slew Speed	rpm	10

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, 12 V 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 2,750 mm, 1,900 mm 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, biodegradeable hydraulic oil, fire extinguisher, sunblind (cab builds), battery isolator, 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 (550 mm/1 ft 10 in), flashing beacon, double acting circuit, buckets in widths (mm/in): 3CX (standard 230/9 in, 305/1 ft, 350/1 ft 2 in, 400/1 ft 4 in, 460/1 ft 6 in, 610/2 ft, 915/3 ft, 8052 (higher tearout) 300/1 ft, 350/1 ft 2 in, 400/1 ft 4 in, 460/1 ft 6 in, 600/2 ft, 750/2 ft 6 in, 900/3 ft. Ditching/grading bucket (mm/ft): 1525/5 ft. Attachments: JCB 260/360 breaker, earthdrill, mechanical quickhitch.





DOZER BLADE

Machine Model	8065 RTS	
Max Height (above ground)	ft-in (mm)	1-5 (432)
Dig Depth (below ground)	ft-in (mm)	1-9¼ (553)
Approach Angle	degrees	27.5
Width	ft-in (mm)	6-7½ (2020)
Height	ft-in (mm)	1-4 (411)
Reach in Front of Tracks	ft-in (mm)	2-4½ (721.4)

EEC NOISE LEVELS (95/27/EC DYNAMIC)

Machine Model	8065 RTS	
Cab / Canopy External	LwA (dB)	96
Cab Internal	LwA (dB)	76

8065 RTS LIFT CAPACITIES – Standard Dozer, 16 in (400 mm) Rubber Tracks, 6 ft 3 in (1,900 mm) Dipper, No Bucket.

Reach from Slew Center

Load Point	8 ft 2½ in (2502 mm)			9 ft 10 in (2997 mm)			13 ft 1½ in (4001 mm)			16 ft 6 in (5029 mm)			Maximum Reach			ft-in (mm)
Height	Dozer Up	Dozer Down		Dozer Up	Dozer Down		Dozer Up	Dozer Down		Dozer Up	Dozer Down		Dozer Up	Dozer Down		
ft-in (mm)	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb	lb
8-2½ (2502)							2804.3	2914.5	2705.1	1801.2	2943.2	1593.9	1593.9	3007.1	1377.9	17-9 (5410)
6-6 (1981)				2861.6	3849.3	3752.3	3013.7	3260.6	2244.3	1847.5	3066.6	1593.9	1538.8	3088.7	1322.8	18-½ (5499)
4-11 (1499)	6073.7	6536.7	4431.3	4620.9	5048.6	3496.5	2564.0	3701.6	2206.8	1770.3	3223.2	1554.3	1468.3	3119.5	1276.5	18-5 (5613)
3-3 (991)	4728.9	8093.2	4056.5	3732.4	6040.7	3225.4	2436.1	4142.5	2114.2	1770.3	3403.9	1492.5	1448.4	3179.1	1250.0	18-5 (5613)
1-8 (508)	4612.1	8822.9	4058.7	3635.4	6823.3	3073.2	2381.0	4497.4	2017.2	1710.8	3600.1	1472.7	1459.5	3280.5	1241.2	18-2½ (5550)
Ground Level	4316.7	9153.6	3714.8	3545.0	7414.1	2960.8	2367.8	4949.4	2004.0	1704.2	3743.4	1474.9	1512.4	3397.3	1287.5	17-11 (5461)
-1-8 (-508)	4168.9	8930.9	3683.9	3410.6	7486.9	2850.6	2339.1	5198.5	1959.9	1715.2	3796.4	1441.8	1565.3	3481.1	1336.0	17-5 (5309)
-3-3 (-991)	3357.6	7471.5	3597.9	2654.4	6051.7	2874.8	1926.8	4374.0	1970.9			1474.9	1611.6	3575.9	1446.2	15-1 (4597)



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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