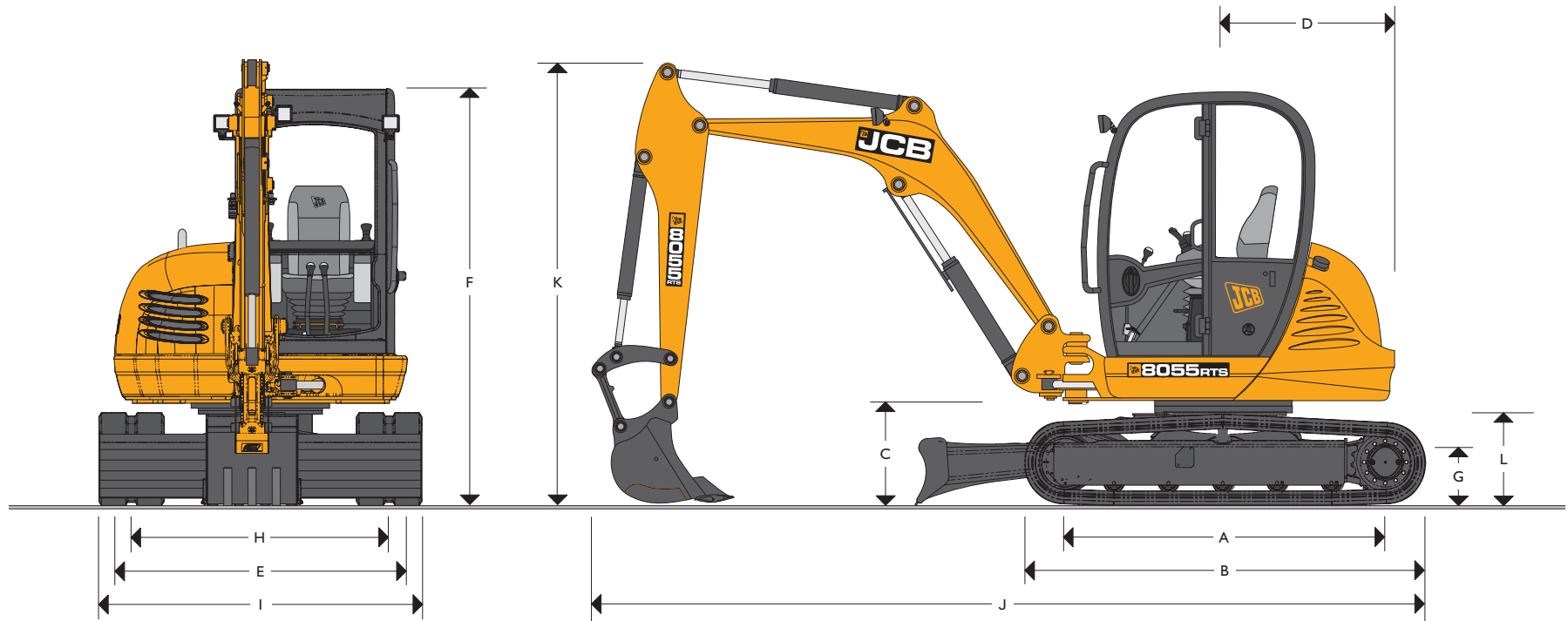




OPERATING WEIGHT: 11,660 lb (5,300 kg) NET ENGINE POWER: 45.7 hp (34.1 kW) Interim Tier IV



STATIC DIMENSIONS

Machine Model	8055 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	3-5 (1055)
E Overall Width of Superstructure	5-11 (1800)

Machine Model	8055 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	16-11 (5153)
K Transport Height	9-1 (2758)
L Track Height	2-2 (650)



ENGINE

Machine Model	8055 RTS	
Model	Isuzu 4LE-1NA	
Fuel	Diesel	
Cooling	Water Cooled	
Gross Power	hp (kW) @ 2600 rpm	48.1 (35.9)
Net Power	hp (kW) @ 2600 rpm	45.7 (34.1)
Gross Torque	lbf ft (Nm) @ 1800 rpm	103 (140)
Net Torque	lbf ft (Nm) @ 1800 rpm	99.1 (134.4)
Displacement	cid (cc)	132 (2179)
Gradeability	degrees	35
Battery	V (A)	12 (75)
Alternator	A	80 (120)
Emissions Certification	Interim Tier IV	

MACHINE WEIGHTS

Machine Model	8055 RTS	
Operating Weight*	lb (kg)	11,660 (5300)
Transport Weight	lb (kg)	11,495 (5225)
With FOGS Guard	lb (kg)	+55 (+25)
With Bridgestone Geogrip	lb (kg)	+185 (+81)

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

UNDERCARRIAGE

Machine Model	8055 RTS	
No of Bottom Rollers (per side)	5	
Track Width	in (mm)	15¾ (400)
Ground Bearing Pressure	psi (kg/cm ²)	4.7 (0.333)
Ground Clearance	in (mm)	1-1 (340)
Track Tensioning	Grease	
Travel Speed – Low	mph (kph)	1.7 (2.7)
Travel Speed – High	mph (kph)	3.2 (5.1)
Tractive Effort	lbf (kN)	13646 (60.7)

OPERATOR ENVIRONMENT

		External	Internal
Cab Height with FOGS Guard	ft-in (mm)	8-5 (2563)	5-1 (1550)
Cab Height no FOGS Guard	ft-in (mm)	8-5¼ (2575)	5-1 (1550)
Cab Length	ft-in (mm)	4-4 (1328)	3-11 (1187)
Cab 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)

HYDRAULIC SYSTEM

Machine Model	8055 RTS	
Nominal Output (@ rated)	gal/min (l/min)	43 (163)
Excavator/Track Main Relief	psi (bar)	3626 (250)
Slew Main Relief	psi (bar)	3191 (220)
Auxiliary Hydraulic Flow	gal (l)	23.8 (90)
Auxiliary Low Flow	gal (l)	6.6 (25)
Hydraulic Motors	Piston	

SERVICE CAPACITIES

Machine Model	8055 RTS	
Fuel Tank	gal (l)	18 (68)
Engine Coolant	gal (l)	3.6 (13.5)
Engine Oil	gal (l)	2.3 (9)
Hydraulic System	gal (l)	25.9 (98)
Hydraulic Tank	gal (l)	14.5 (55)

WORKING RANGE

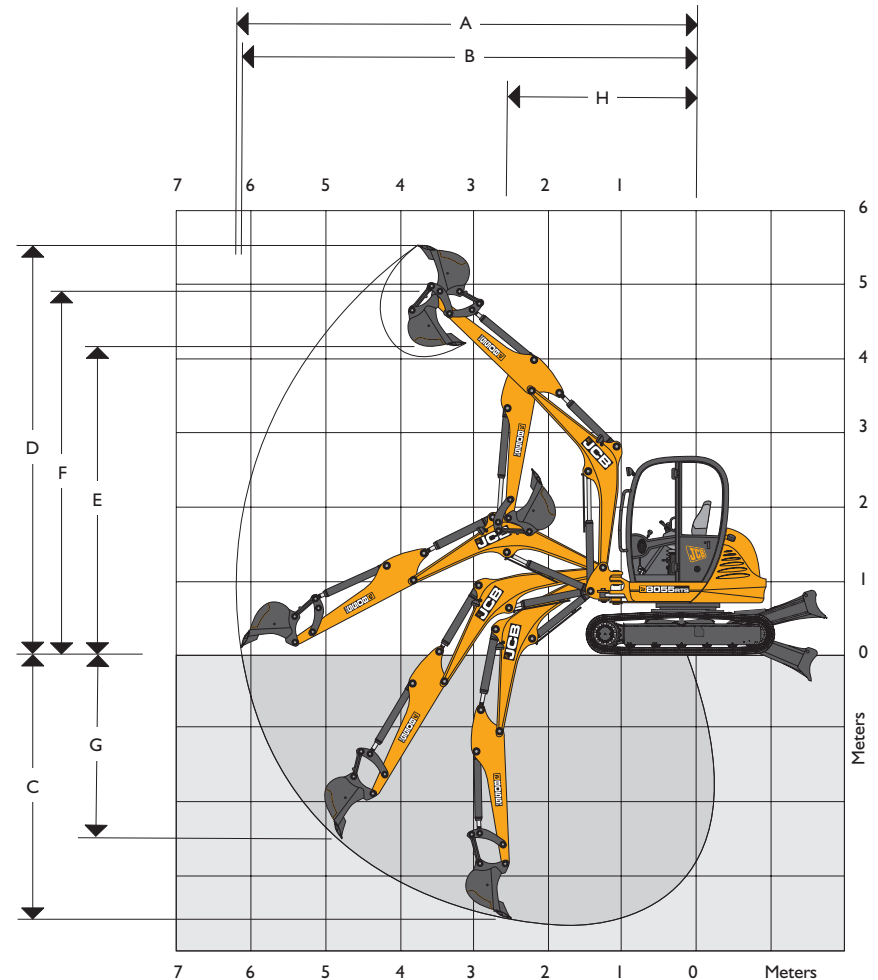
Machine Model		8055 RTS
Dipper Length	ft-in (mm)	6-3 (1900)
A Max Digging Reach	ft-in (mm)	19-10 (6050)
B Max Digging Reach on Ground	ft-in (mm)	19-6 (5933)
C Max Digging Depth – Dozer Up	ft-in (mm)	12-4 (3760)
D Max Digging Height	ft-in (mm)	18-1 (5525)
E Max Dump Height	ft-in (mm)	13-6 (4106)
F Max Height to Dipper Nose Pivot Pin	ft-in (mm)	15-8 (4787)
G Max Vertical Wallcut Depth	ft-in (mm)	8-11 (2705)
Min Front Swing Radius (no offset)	ft-in (mm)	9-6 (2891)
Min Front Swing Radius (fully offset)	ft-in (mm)	7-2 (2186)
Boom Swing Left	degrees	60
Boom Swing Right	degrees	65
Bucket Rotation	degrees	197
Dipper Rotation	degrees	126
Bucket Tearout	lbf (kN)	9486.9 (42.2)
Dipper Tearout	lbf (kN)	6249.7 (27.8)
Slew Speed	rpm	10

STANDARD EQUIPMENT

ROPS & TOPS certified fully glazed cab (includes heater, air conditioning, interior light, cup holder, door holdback latch within tail swing, gas strut assisted front screen), 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, servo controls, suspension seat, boom worklight, dual acting auxiliary to dipper, boom ram protection, dozer blade, 8 ft 2 in boom, 6 ft 2 in dipper, 2-speed tracking, auto kickdown track motors, auto idle function.

OPTIONAL EQUIPMENT

Front or rear cab/canopy mounted worklights, air conditioning engine fan guard kit, FOPS roof guard, mirror, toolkit, radio, biodegradable hydraulic oil, fire extinguisher, battery isolator, travel alarm, boom, dipper and dozer, digging buckets, ditching/grading bucket, hydraulic breaker, earthdrill/auger, mechanical quickhitch, 4 ft 11 in short dipper, mirror kit, pin conversion kit to accept 3CX buckets, dual pattern controls (for ISO/SAE changeover).





EEC NOISE LEVELS (95/27/EC DYNAMIC)

Machine Model		8055 RTS
Cab / Canopy External	dB	96
Cab Internal	dB	76

DOZER BLADE

Machine Mode		8055 RTS
Max Height (above ground)	ft-in (mm)	1-5 (432)
Dig Depth (below ground)	ft-in (mm)	1-10 (553)
Approach Angle	degrees	27.5
Width	ft-in (mm)	6-7 (2020)
Height	ft-in (mm)	1-4 (411)

8055 RTS LIFT CAPACITIES – Standard Dozer, 16 in (400 mm) Rubber Tracks, 6 ft 3 in (1,900 mm) Dipper, No bucket.

Load Point	Reach from Slew Center																			
	8 ft 2½ in (2500 mm)			9 ft 10 in (3000 mm)			11 ft 5 in (3500 mm)			13 ft 1 in (4000 mm)			14 ft 8 in (4500 mm)			Capacity at Maximum Reach				
Height	Dozer Up	Dozer Down		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	lb	lb	lb	ft-in (mm)
8-2.5 (2500)										1861*	2156	1858	1843	2282	1843	1329*	2075	1131*	16-7 (5055)	
6-6 (2000)							2152*	2723	2152*	2110*	2626	2041	1594*	2416	1594*	1351*	2094	1071*	17-3 (5258)	
4-11 (1500)				2868	3624	3058	2315*	3073	2315*	1845*	2751	1684*	1510*	2551	1510*	1239*	2138	1049*	17-4 (5283)	
3-3 (1000)				2879*	4319	2526*	2306*	3457	2306*	1858*	2994	1645*	1501*	2729	1501*	1190*	2167	1032*	17-6 (5334)	
1-8 (500)				2551*	4702	2394*	2258*	3821	2258*	1667*	3203	1579*	146*	2837	1455*	1171*	2213	1005*	17-4 (5284)	
Ground Level	3309*	6224	3062*	2690*	5073	2359*	2350*	4114	2350*	1788*	3455	1554*	1715*	3060	1715*	1329*	2260	1080*	17-2 (5232)	
x	3314*	6402	2983*	2778*	5245	2249*	2361*	4526	2361*	1942*	3611	1506*	1631*	2996	1631*	1426*	2277	1122*	16-4 (4978)	
x	3329*	6338	2778*	2405*	5016	2145*	2196*	4065	2196*	1658*	3501	1444*	1534*	2721	1534*	1257*	2286	1157*	15-7.5 (4763)	

- 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.

