



JCB MICRO AND MICRO PLUS

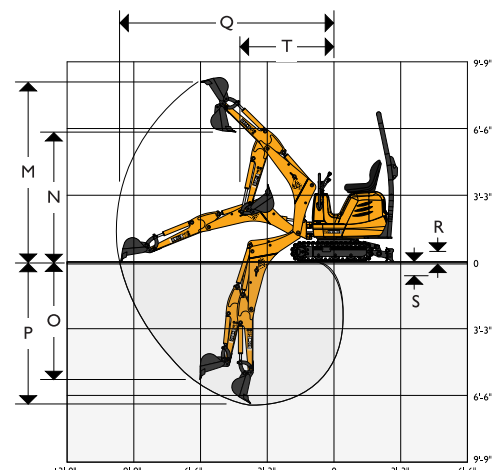
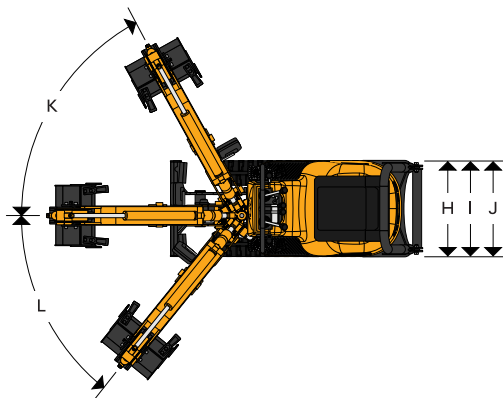
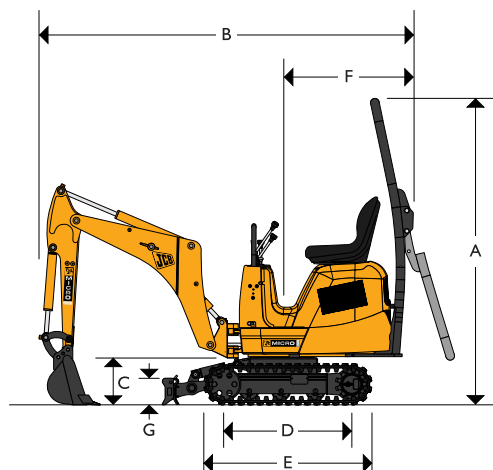


MAX. ENGINE POWER

17hp (12.7kW)

MAX. DIG DEPTH:

6ft 2in - 7ft 1in (1.88 - 2.15 metres)



PERFORMANCE AND DIMENSIONS

Machine model		Micro		Micro Plus	
Dipper	ft-in (mm)	2-6 (800)	3-1 (950)	3-1 (950)	3-7 (1138)
A Overall height (trans pos)	ft-in (mm)	7-6 (2295)	7-6 (2295)	7-8 (2345)	7-8 (2345)
B Overall length (trans pos)	ft-in (mm)	9-7 (2957)	9-8 (3000)	9-10 (3065)	10-1 (3120)
C Kingpost clearance	ft-in (mm)	1-1 (345)	1-1 (345)	1-3 (395)	1-3 (395)
D Sprocket idler centers	ft-in (mm)	3-1 (930)	3-1 (930)	3-3 (1008)	3-3 (1008)
E Undercarriage length	ft-in (mm)	4-0 (1230)	4-0 (1230)	4-5 (1370)	4-5 (1370)
F Tailswing	ft-in (mm)	2-9 (900)	2-9 (900)	2-9 (900)	2-9 (900)
G Dozer height	in (mm)	7 (200)	7 (200)	7 (215)	7 (215)
H Dozer width (retracted)	ft-in (mm)	2-3 (700)	2-3 (700)	3-3 (1000)	3-3 (1000)
Dozer width (extended)	ft-in (mm)	3-3 (1000)	3-3 (1000)	4-5 (1380)	4-5 (1380)
I Superstructure width	ft-in (mm)	2-2 (695)	2-2 (695)	2-2 (695)	2-2 (695)
J Width over tracks (retracted)	ft-in (mm)	2-3 (700)	2-3 (700)	3-2 (970)	3-2 (970)
Width over tracks (extended)	ft-in (mm)	3-3 (1000)	3-3 (1000)	4-4 (1350)	4-4 (1350)
Max bucket breakout	lbf (kN)	2427 (10.8)	2427 (10.8)	2169 (9.65)	2169 (9.65)
Max dipper breakout	lbf (kN)	1875 (8.34)	1578 (7.02)	1578 (7.02)	1322 (5.88)
Travel speeds mph 1st Gear	mph (kph)	2 (1.2)	2 (1.2)	2.1 (1.3)	1.3 (2.1)
Drawbar pull	lbf (kN)	2023 (9)	2023 (9)	2023 (9)	2023 (9)
Slew speed	rpm	8	8	8	8

BOOM SWING RADIUS

Machine model		Micro		Micro Plus	
Dipper	ft-in (mm)	2-6 (800)	3-1 (950)	3-1 (950)	3-7 (1138)
K Boom swing right	degrees	70	70	70	70
L Boom swing left	degrees	70	70	70	70

WORKING RANGE

Machine model		Micro		Micro Plus	
Dipper	ft-in (mm)	2-6 (800)	3-1 (950)	3-1 (950)	3-7 (1138)
M Max dig height	ft-in (mm)	8-5 (2600)	8-9 (2700)	11-1 (3375)	11-6 (3525)
N Max dump height	ft-in (mm)	5-9 (1790)	6-3 (1895)	8-1 (2475)	8-6 (2625)
O Max vertical dig depth	ft-in (mm)	5-3 (1613)	5-8 (1763)	5-7 (1734)	6-3 (1922)
P Max dig depth-dozer up	ft-in (mm)	5-7 (1732)	6-2 (1882)	6-5 (1967)	7-1 (2155)
Max dig depth-dozer down	ft-in (mm)	1942 (6-4)	2092 (6-9)	2177 (7-1)	7-8 (2365)
Q Max ground level reach	ft-in (mm)	10-1 (3090)	10-5 (3190)	11-3 (3443)	11-6 (3528)
Bucket rotation	degrees	201°	201°	201°	201°
R Dozer cut above ground	in (mm)	6 (156)	6 (156)	7.6 (195)	7.6 (195)
S Dozer cut below ground	in (mm)	6 (169)	6 (169)	8 (255)	8 (255)
T Min. slew radius	ft-in (mm)	3-7 (1090)	3-7 (1110)	3-10 (1175)	3-10 (1195)

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ENGINE

Machine model		Micro	Micro Plus
Model		103-10	103-10
Gross power	HP (kW)	18.2 (13.6)	18.2 (13.6)
Net power	HP (kW)	17.0 (12.7)	17.0 (12.7)
Gross torque	lbf ft (Nm)	43.9 (59.6) @2000	43.9 (59.6) @2000
Net torque	lbf ft (Nm)	41.0 (55.6) @2000	41.0 (55.6) @2000
Displacement	Cu.In(cc)	58 (954)	58 (954)
Fuel injection system		BOSCH	BOSCH
Gradeability		35deg	35deg
Starter motor	HP (kW)	1.2(12v)	1.2(12v)
Alternator	Amp	40	40

UNDERCARRIAGE

Machine model		Micro	Micro Plus
No of bottom rollers		3	3
Track width	in (mm)	7 (180)	9 (230)
Ground bearing pressure	psi (Kg/cm²)	3.3 (0.23)	3.1 (0.22)
Ground clearance	in (mm)	5.9 (150)	7.9 (200)
Track tensioning		Grease	Screw

HYDRAULICS

Machine model		Micro	Micro Plus
Pump		2 section gear	2 section gear
Nominal output	US gal/m (Lpm)	3.6 x 2 (13.5 x 2)	3.6 x 2 (13.5 x 2)
Excavator/track main relief	psi (Bar)	2560 (180)	2560 (180)
Slew main relief	psi (Bar)	1378 (95)	1378 (95)
Auxiliary hydraulic flow	US Gal (Ltr)	7.1 (27)	7.1 (27)
Hydraulic motors		Piston	Piston

SERVICE CAPACITIES

Machine model		Micro	Micro Plus
Water system capacity	US Gal (Ltr)	1.3 (5)	1.3 (5)
Fuel tank capacity	US Gal (Ltr)	3.9 (14.6)	3.9 (14.6)
Engine oil capacity	US Gal (Ltr)	0.9 (3.5)	0.9 (3.5)
Hydraulic system capacity	US Gal (Ltr)	5.5 (21)	5.5 (21)
Hydraulic tank capacity	US Gal (Ltr)	4.2 (16)	4.2 (16)

MACHINE WEIGHTS

Machine model		Micro	Micro Plus
Operating weight*	lb (kg)	2509 (1138)	2893 (1312)
Transport weight with 2 post TOPS	lb (kg)	2343 (1063)	2727 (1237)
2 post TOPS weight	lb (kg)	- 146 (- 66)	- 146 (- 66)

STANDARD AND OPTIONAL EQUIPMENT

Machine model	Micro	Micro Plus	Machine model	Micro	Micro Plus
TOPS certified frame	O†	O†	Hammer pipework	S	S
Full audible systems	S	S	Boom mounted pipework	O	O
Toolkit	O	O	Double acting pipework	O	O
Slew travel lock	S	S	Boom worklight	O	O
Rubber tracks	S	S	General purpose buckets:		
Extending undercarriage	S	S	6" (160mm) to 18" (460mm)	O	-
ISO pattern controls	S	S	6" (160mm) to 24" (600mm)	-	O
Vinyl static seat	S	S	Ditching / grading buckets:		
31.5"(800mm) dipper	S	-	30" (760mm)	O	-
37.4"(950mm) dipper	O	S	35" (900mm)	-	O
45" (1138mm) dipper	-	O	JCB Breaker: HM60	O	O
Boom offset	S	S	JCB Breaker: HM100	-	O
Dozer blade	S	S	Earth drills	O	O

† Please note the TOPS frame may be a legal requirement in your territory.

* Operating weight to ISO 6016 including 2 post TOPS frame, rubber tracks, standard dipper, standard dozer, 18 in. bucket, full tanks and a 165 lb. operator.



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