



Plant Hire

01245 403353



Excavators, Dumpers & Rollers



01245 403353



Hyundai 125 LCR-9A 13T Diesel

Max. Digging Depth	5.06 m
Max. Dumping Height	5.74 m
Machine Width	2.7 m
Machine Height	2.9 m
Overall Length	6.86 m

[Hyundai R125 LCR-9A Datasheet - Page 8](#)

JCB 85Z-1 8T Diesel

Max. Digging Depth (Dozer Down)	3.715 m
Max. Dumping Height	5.023 m
Machine Width	2.3 m
Machine Height	2.71 m
Overall Length	5.84

[JCB 85z-1 Datasheet - Page 9 - 10](#)



JCB 67C-1 6T Diesel



Max. Digging Depth (Dozer Down)	4.07 m
Max. Dumping Height	4.281 m
Machine Width	2 m
Machine Height	2.58 m
Overall Length	5.6 m

[JCB 67c Datasheet - Page 12 - 15](#)



Hyundai R27Z-9 3T Diesel

Max. Digging Depth	2.5 m
Max. Dumping Height	2.89 m
Machine Width	1.55 m
Machine Height	2.5 m
Overall Length	4.18 m

[Hyundai R27Z-9 Datasheet - Page 11](#)

JCB 19C-1 1.9T Electric

Max. Digging Depth (Dozer Down)	2.426 m
Max. Dumping Height	2.598 m
Machine Width	0.99 m
Machine Height	2.34 m
Overall Length	3.86 m



[JCB 19C-E Datasheet - Page 20 - 23](#)

JCB 18Z-1 1.7T Diesel

Max. Digging Depth (Dozer Down)	2.426 m
Max. Dumping Height	2.598 m
Machine Width	0.99 m
Machine Height	2.34 m
Overall Length	3.54 m



[18Z-1 Datasheet - Page 24 - 27](#)

Takeuchi TB216 1.6T Hybrid

Max. Digging Depth	2.39 m
Max. Dumping Height	2.7 m
Machine Width	1.3 m
Machine Height	2.36 m
Overall Length	4.04 m

[Takeuchi TB216 Datasheet - Page 16](#)



Wacker Neuson 803 1T Dual Power

Max. Digging Depth	1.76 m
Max. Dumping Height	2.01 m
Machine Width	0.71 m
Machine Height	2.26 m
Overall Length	2.83 m



[Wacker Neuson 803 Datasheet - Page 17 - 19](#)

Thwaites MACH2066 6T Diesel Power Swivel

Unladen Weight	4420 kg
Machine Width	2.28 m
Machine Height	3.3 m
Overall Length	5.08 m

[Thwaites MACH2066 Datasheet - Page 28 - 29](#)





Wacker Neuson 4001 4T Diesel Four-wheel Pro Swivel Tip

Unladen Weight	2730 kg
Machine Width	1.795 m
Machine Height	2.7 m
Overall Length	4.2 m

[Wacker Neuson 4001 Datasheet - Page 30 - 33](#)

Wacker Neuson 3001 3T Diesel Four-wheel Swivel Tip

Unladen Weight	2550 kg
Machine Width	1.785 m
Machine Height	2.67 m
Overall Length	4.14 m



[Wacker Neuson 3001 Datasheet - Page 34 - 35](#)



Ecovolve ED1000 1T Electric

Unladen Weight	1300 kg
Machine Width	0.965 m
Machine Height	1.31 m
Overall Length	2.565 m

[Ecovolve ED1000 Datasheet - Page 36](#)

JCB 1T Diesel Front Tip—High Tip

Unladen Weight	1350 kg
Machine Width	1.12 m
Machine Height	2.832 m
Overall Length	2.98 m

[JCB 1T Datasheet - Page 37 - 39](#)



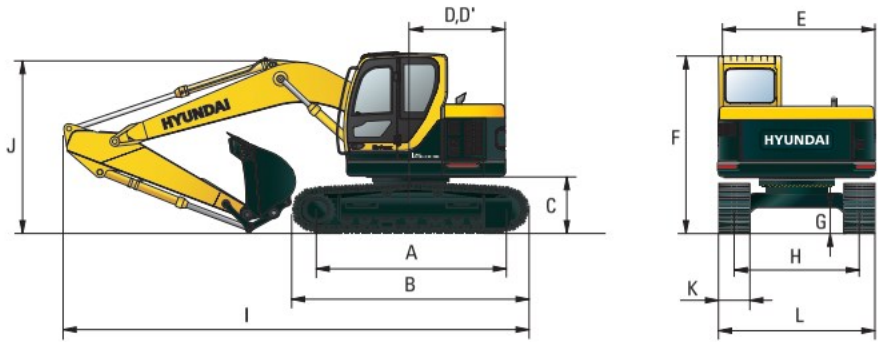
BOMAG BW 120 AD-5 Tandem Roller

Operating Weight	2.700kg
Drum Width	1200 mm
Machine Height	2.568 m
Overall Length	2.59 m

[Bomag BW120 AD-5 Datasheet - Page 40 - 41](#)

Dimensions & Working Range

R125LCR-9A DIMENSIONS



mm (ft-in)

A	Tumbler distance	2,780 (9' 2")	Boom length	4,300 (14' 1")		
B	Overall length of crawler	3,680 (12' 1")	Arm length	2,260 (7' 5")		
C	Ground clearance of counterweight	890 (2' 10")	I Overall length	6,860 (22' 6")		
D	Tail swing radius	1,500 (4' 10")	J Overall height of boom	2,740 (9' 0")		
D'	Rear-end length	1,500 (4' 10")				
E	Overall width of upperstructure	2,490 (8' 2")	K Track shoe width			700 (28")
F	Overall height of cab	2,900 (9' 6")	L Overall width			2,700 (8' 10")
G	Min. ground clearance	440 (1' 5")				
H	Track gauge	1,990 (6' 6")				

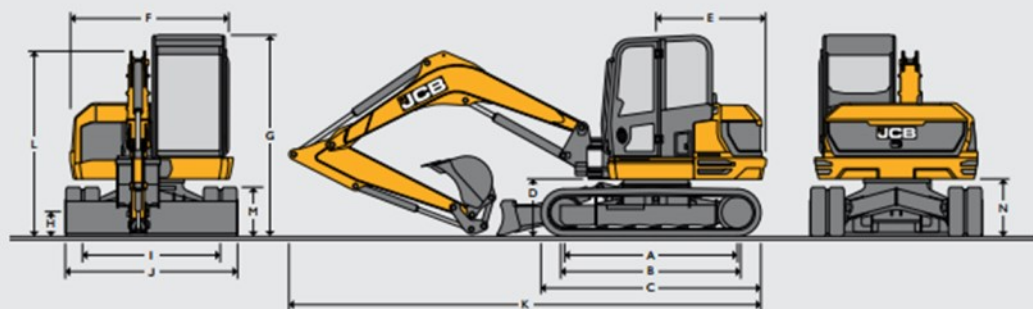
R125LCR-9A WORKING RANGE

mm (ft-in)

	Boom length	4,300 (14' 1")
	Arm length	2,260 (7' 5")
A	Max. digging reach	7,700 (25' 3")
A'	Max. digging reach on ground	7,560 (24' 10")
B	Max. digging depth	5,060 (16' 7")
B'	Max. digging depth (8' level)	4,830 (15' 10")
C	Max. vertical wall digging depth	4,410 (14' 6")
D	Max. digging height	8,100 (26' 7")
E	Max. dumping height	5,740 (18' 10")
F	Min. swing radius	2,340 (7' 8")



STATIC DIMENSIONS

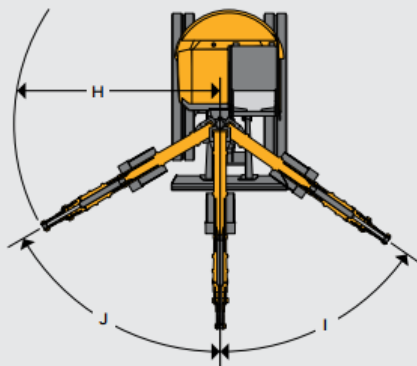
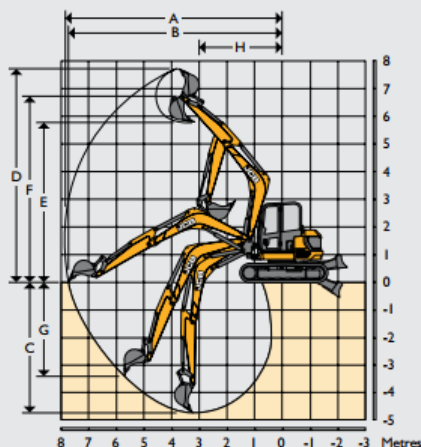


Machine model		85z-I	
A	Sprocket idler centres	mm	2325
B	Track length on ground	mm	2325
C	Undercarriage overall length – rubber	mm	2950
	Undercarriage overall length – steel		2900
D	Kingpost clearance	mm	793
E	Tailswing radius	mm	1145
F	Overall width of superstructure	mm	2168
G	Height over cab	mm	2706
H	Ground clearance	mm	350
I	Track gauge	mm	1850
J	Width over tracks (450 shoes)	mm	2300
K	Transport length with standard dipper	mm	5833
L	Transport height with standard dipper	mm	2706
M	Track height	mm	650
N	Counterweight clearance	mm	762

ENGINE

Machine model		85z-I	
Model		Stage IIIB Tier 4 Final KDI 2504 TCR	
Fuel		Diesel	
Cooling		Water cooled	
Gross power ISO 14396	kW (hp) @ 2200 rpm	48	
Net power	kW (hp) @ 2200 rpm	45.4	
Gross torque ISO 14396	Nm @ 1500 rpm	305	
Displacement	cc / litres	2500	
Gradeability	degrees	30	
Starter motor	kW (hp)	2	
Battery	volt / Ah	12V, 750	
Alternator	volt / amps	12V, 100	

WORKING RANGE



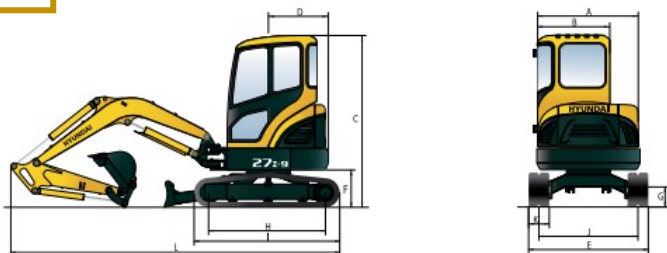
		85z-I
Boom length	mm	2900
Dipper length	mm	1650 / 2000 / 2100
A Max digging reach	mm	6596 / 6933 / 7029
B Max digging reach on ground	mm	6401 / 6748 / 6848
C Max digging depth – dozer up	mm	3234 / 3584 / 3684
Max digging depth – dozer down	mm	3615 / 3625 / 3715
D Max digging height	mm	6487 / 6758 / 6836
E Max dump / load-over height	mm	4674 / 4946 / 5023
F Max height to dipper nose pivot pin	mm	5547 / 5819 / 5896
G Max vertical wallcut depth	mm	2525 / 2849 / 2941
H Min. front swing radius (no offset)	mm	2847 / 3002 / 3047
Min. front swing radius (fully offset)	mm	2478 / 2620 / 2660
I Boom swing left	degrees	
J Boom swing right	degrees	
Bucket rotation	degrees	
Dipper rotation	degrees	114
Bucket tearout	kN	57.1
Dipper tearout	kN	43.8
Slew speed	rpm	10

DOZER

Machine model		85z-I
Dozer length	mm	1497
Max height above ground	mm	471
Dig depth below ground	mm	461
Approach angle (degrees)	mm	27.8
Width	mm	2320
Height	mm	473
Reach in front of tracks	mm	615

Dimensions & Working Range

R27Z-9 DIMENSIONS



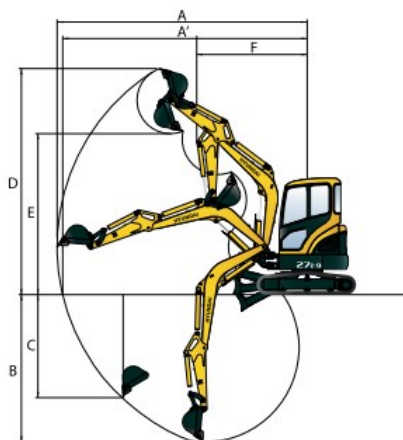
mm (ft-in)

A	Overall width of upper structure	1,485 (4' 10")
B	Overall width of cab	1,050 (3' 5")
C	Overall height of cab	2,500 (8' 2")
D	Tail swing radius	775 (2' 7")
E	Overall width	1,550 (5' 1")
F	Clearance under counterweight	540 (1' 9")

G	Ground clearance	290 (0' 11")
H	Tumbler distance	1,550 (5' 1")
I	Track length	1,970 (6' 6")
J	Track gauge	1,250 (4' 1")
K	Track shoe width	300 (0' 12")
L	Overall length	4,180 (13' 9")

R27Z-9 WORKING RANGE

mm (ft-in)



Boom length	2,030 (6' 8")
Arm length	1,120 (3' 8")
A Max. digging reach	4,650 (15' 3")
A' Max. digging reach at ground	4,515 (14' 10")
B Max. digging depth	2,500 (8' 2")
C Max. vertical wall digging depth	2,085 (6' 10")
D Max. digging height	4,270 (14' 0")
E Max. dumping height	2,890 (9' 6")
F Min. swing radius	2,055 (6' 9")

* Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards.

* The photos may include attachments and optional equipment that are not available in your area.

* Materials and specifications are subject to change without advance notice.

* All imperial measurements rounded off to the nearest pound or inch.

PLEASE CONTACT

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VOSSENDAAL 11, 2440 GEEL, BELGIUM TEL: (32) 14-56-2200 FAX: (32) 14-59-3405

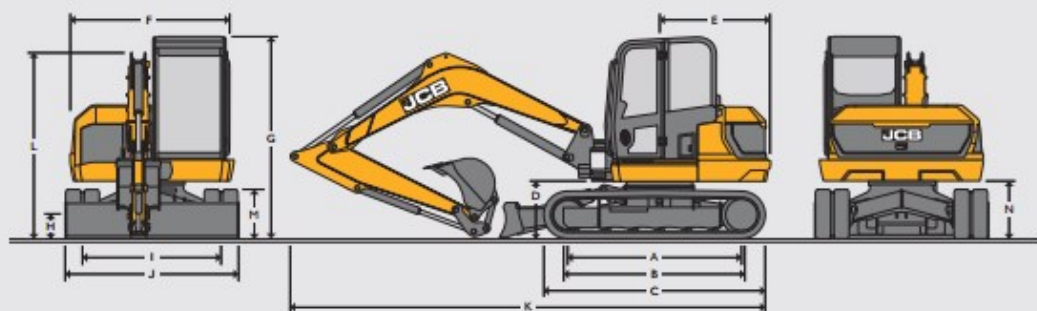
India Operation: Hyundai Construction Equipment India Pvt., Ltd.
PLOT NO. A-2, CHAKAN INDUSTRIAL AREA, VILL - KHALUMBRE, TALUK - KHED, DIST - PUNE 410 501, INDIA
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2010.03 Rev 0



STATIC DIMENSIONS



Machine model		67C-I
A Sprocket idler centres (rubber)	mm	1985
B Track length on the ground	mm	1985
C Undercarriage overall length (rubber)	mm	2490
Undercarriage overall length (steel)	mm	2490
D Kingpost clearance	mm	620
E Tailswing radius	mm	1385
F Overall width of superstructure	mm	1798
G Height over cab	mm	2582
H Ground clearance	mm	240
I Track gauge	mm	1600
J Width over tracks	mm	2000
K Transport length - standard dipper	mm	5600
L Transport height	mm	2600
M Track height	mm	560
N Counterweight clearance	mm	637

ENGINE

Machine model		67C-I
Model		Tier 4 Final KDI 1903
Fuel		Diesel
Cooling		Water Cooled
Gross power	kW @ 2200 rpm	41
Net power	kW @ 2200 rpm	38.4
Gross torque	Nm @ 1500 rpm	225
Displacement	cc	1903
Gradeability	degrees	30
Starter motor	kW	2
Battery	volt/amps	12V / 75Ah
Alternator	amps	80 (100)



UNDERCARRIAGE

Machine model		67C-1
No of top rollers		1
No of bottom rollers		4
Track width rubber (STD)	mm	400
Track width steel	mm	400 / 550
Ground bearing pressure STD tracks	kg/cm ²	0.42
Ground clearance	mm	240
Track tensioning		Grease
Travel speed - Low	kph	2.6
Travel speed - High	kph	4.6
Tractive effort	kN	54.5

HYDRAULIC SYSTEM

Machine model		67C-1
Pump		72cc
Nominal output (@ rated)	lpm	144
Excavator/track main relief	bar	250
Slew main relief	bar	216
Auxiliary hydraulic flow (Low)	bar	190
Auxiliary hydraulic flow (High)	bar	190
Auxiliary hydraulic flow (Low)	lpm	25
Auxiliary hydraulic flow (High)	lpm	90
Hydraulic motors		Piston

WEIGHTS

Machine model		67C-1
Operating weight* (400mm rubber tracks)	kg	6760
Transport weight (400mm rubber tracks)	kg	6685
With FOGs guard - stage I	kg	+ 14
With FOGs guard - stage I Aircon	kg	+ 49
400mm steel tracks	kg	+ 148
550mm steel tracks	kg	+ 270
400mm Geo grip tracks	kg	+ 170
Ground bearing pressure 400 tracks	kg/cm ²	0.42
Ground bearing pressure 550 tracks	kg/cm ²	0.31
With wide dozer (2170)	kg	+ 9
With 4 way dozer (Hydraulic quickhitch weight = 95kg)	kg	+ 172
With long dipper (2000)	kg	Standard
With long dipper (1900)	kg	N/A
With short dipper (1650)	kg	-34

*Operating weight to ISO 6016 including cab, rubber tracks, standard dipper, 600mm bucket, full tanks and a 75kg operator.

*Shipping weight to ISO 6016 is mass of the base machine without an operator, with the fuel level at 10% of tank capacity.



OPERATOR ENVIRONMENT

Machine model		67C-I
Cab/canopy height	mm	1554
Cab/canopy height with FOGS guard level I	mm	1643
Cab/canopy length	mm	1942
Cab/canopy width	mm	1040
Distance from seat base to roof	mm	1120
Door aperture width	mm	612

SERVICE CAPACITIES

Machine model		67C-I
Fuel tank		83
Engine coolant		10
Engine oil		7.5
Hydraulic system		92.5
Hydraulic tank		57.2

STANDARD EQUIPMENT

Tilting cab, Fully glazed ROPS* & TOPS certified cab with JCB Impact Protection front screen, Intermittent wiper with wash/wipe, Roof mounted worklights, 3 speed heater/demister with 9 adjustable air vents, Colour LCD display, Digital clock, Internal lockable toolbox, Cup holder, Coat hook, 12v accessory socket, Interior light, Full audio/visual warning systems, Radio ready kit, Auto idle throttle, Below idle system, 2 digging modes (Eco & Heavy), ISO servo controls with electro-hydraulic dozer lever, Electro-proportional thumb controlled high flow double acting auxiliary, 10 selectable auxiliary flow rates, Joystick mounted hammer switch, Electronic single/double acting auxiliary changeover valve, Neutral start, Full control isolation, "2 go" hydraulic isolation, Midback suspension seat, 2 piece removable floor mat, Beacon ready kit, Two speed tracking, Auto-kickdown track motors, 400mm short pitch rubber tracks, Double element air cleaner, Heavy-duty alternator, Heavy-duty battery, Hydraulic slew braking with disc type park brake, ORFS hydraulics, Colour coded hydraulic hoses, Bushed kingpost (67c), 500 hour dig end greasing intervals, Heavy duty boom cylinder guard, Protected boom worklight, 2000mm dipper (67c), 1900mm dipper (65R), 2 position bucket tipping link - Speed & Power, Quick release auxiliary couplers, 100% steel bodywork.

OPTIONAL EQUIPMENT

Air-conditioning, Adjustable sunblind, FOPS guard stage I, 400mm or 550mm steel tracks, 400mm Geo Grip Road Liner tracks, Fan & chaff guards, Battery isolator (standard for EU), High back seat or deluxe heated high back air-suspension seat, Radio installation, Electro-proportional thumb controlled low flow auxiliary, Hose burst check valve lifting kit (dozer, boom & dipper), Bucket-to-grab change over valve, Mechanical quickhitch, Hydraulic quickhitch, Hydraulic quickhitch ready pipework, General purpose digging buckets, Ditch/grading buckets, Hydraulic hammers, Rotating/strobe beacon, Travel alarm, Face fan, Toolkit, Greasegun & cartridge, Fire extinguisher, Exterior cab mounted mirrors, Interior mirror, Electric refuelling pump, JCB Immobiliser (Unique key or keypad system), CESAR datatag (UK only), Dozer float, Angled dozer blade (67c), Dual pattern controls (ISO/SAE change-over), Front screen guard, Short & long dipper options, Thumb ready dipper, LiveLink, Special paint options, Front pair of LED roof mounted worklights.

* Dependant on specification.

DOZER

Machine model		67C-I
Dozer length	mm	1466
Max height above ground	mm	473
Dig depth below ground	mm	562
Approach angle	degrees	26
Width	mm	2018
Height	mm	417
Reach in front of tracks	mm	787



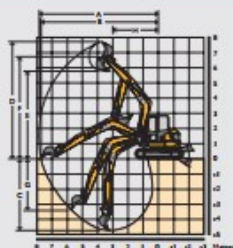
NOISE AND VIBRATION – 67C-I

		Uncertainty		Measurement conditions
Noise at the operator station (LpA)	73dB	(KpA)	1db	ISO 6396: 2008
Noise emission from the machine (LWA)	96dB	(KWA)	1db	ISO 6395: 1988
Hand arm vibration (m/s ²)				
Tracking duty	2.93**	(K)	1.47	EN ISO 5349-2: 2001 (Based upon a test cycle defined in SAE J 1166)
Low idle and excavating duty	≤2.5	(K)	*	EN ISO 5349-2: 2001 (Based upon a test cycle defined in SAE J 1166)
Whole body vibration (m/s ²)	0.49	(K)	0.25	ISO 2631-1: 1997 (Based upon a test cycle defined in SAE J 1166)

* Based on 50% uncertainty of measurement.

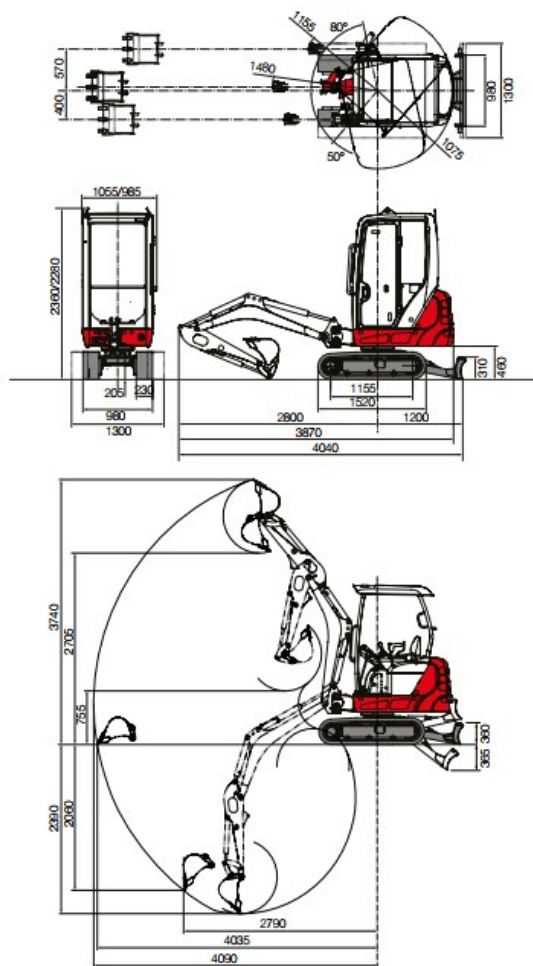
** Using foot operation for long periods of tracking will prevent exposure to Hand-Arm Vibration above the action level.

WORKING RANGE



			67C-I
Dipper length	mm		1650 / 2000
Boom length	mm	2900	
A Max digging reach	mm		6285 / 6617
B Max digging reach on ground	mm		6175 / 6504
C Max digging depth - dozer up	mm		3704 / 4054
Max digging depth - dozer down	mm		3720 / 4070
D Max digging height	mm		5836 / 6075
E Max dump height	mm		4041 / 4281
F Max height to dipper nose pivot pin	mm		4920 / 5153
G Max vertical wallcut depth	mm		2603 / 2963
H Min. front swing radius (no offset)	mm		2579 / 2637
Min. front swing radius (fully offset)	mm		2327 / 2384
I Boom swing left	degrees	60	
J Boom swing right	degrees	60	
Bucket rotation	degrees	186 (Power) / 188 (Speed)	
Dipper rotation	degrees	118	
Bucket tearout kN (power position)	kN	47.6	
Dipper tearout kN	kN		30.6 / 29.6
Slew speed	rpm		9

Courtesy of Machine.Market

**TB216**

Standard UK Specification - Long Dipper

Engine	
Make	YANMAR
Model	3TNV70
Rated Output (kW/rpm)	11.6 / 2400
Maximum Torque (Nm)	62.7
Cylinders	3
Displacement (cc)	864
Electrical System	12V 40A
Dimensions & Weight	
Operating Weight inclusive of bucket and fuel: cab/canopy (kg)	1800 / 1680
Overall Length (mm)	3870
Width cab/canopy (mm)	1065 / 985
with extended track (mm)	1300
Height cab/canopy (mm)	2360 / 2280
Ground Clearance (mm)	206
Min. Front Swing Radius (mm)	1480
Tail Swing Radius (mm)	1076
Dozer Blade (W x H) (mm)	900 / 1300 x 310
Operating Information	
Max Digging Depth (mm)	2390
Max Dump Height (mm)	2706
Max Reach at Ground Level (mm)	4036
Max Vertical Digging Depth (mm)	2060
Max Bucket Digging Force (kN)	14
Max Arm Digging Force (kN)	8.2
Hydraulic System	
Set Pressure (bar)	210
Pump Type	Variable x 2 + Gear x 2
1st Aux Max Flow l/min	33
Pressure bar	210
2nd Aux Max Flow l/min	10
Pressure bar	200
Swing System	
Boom Swing Angle (FVL)	60° / 80°
Slew Speed (rpm)	9.2
Undercarriage	
Traction Motor	Piston
Traction Drive	Epicyclic Gearing
Traction Brake	Disc
Track Width (mm)	230
Ground Contact Length (mm)	1166
Ground Pressure (kpa)	31 / 29.4
Travel Speed (km/h)	2.2-4.2
Maximum Gradeability	15°
Capacities	
Hydraulic System (l)	24.6
Fuel Tank (l)	22
Engine Lubrication (l)	2.8
Cooling System (l)	3.8

All dimensions unless otherwise stated are in millimetres.





Technical specifications

803 excavator with dual power option

Operating data

Shipping weight min.	2,105 lb
Operating weight	2,319 - 2,452 lb
Biting force max.	1,012 lbf
Breakout force max.	2,001 lbf
Digging depth max.	69.41 in
Dumping height	79.2 – 80.1 in
Digging radius max.	121.7 in
L x W x H	111.3 x 27.6 x 89 in

Engine / Motor

Engine / Motor manufacturer	Yanmar
Engine / Motor type	3TNV74F
Engine / Motor	Liquid-cooled, 3-cylinder diesel engine
Displacement	60.57 in³
RPM / speed	2,500 rpm
Engine performance according to ISO	15.41 hp
Battery	20 Ah
Fuel tank capacity	1.8 US gal

Hydraulic system

Duty pump	Gear pumps
Flow rate	5.3 US gpm
Operating pressure for working and driving hydraulics	2,466 psi
Operating pressure Slewing gear	1,015 psi
RPM / speed Revolving superstructure	8 rpm
Hydraulic oil tank	3.7 US gal

Undercarriage

Travel speed	1.1 mph
Chain width	7.1 in
Ground clearance	5.1 in

Dozer Blade

Width min.	27.6 in
Height	7.9 in
Stroke - Above ground	7.76 in



Stroke - Below ground	6.85 in
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Sound level

Sound level (LwA) according to 2000/14/EC	93 dB(A)
Cabin - specified sound pressure level LpA	77 dB(A)

Electro-hydraulic unit HPU 8

Operating data

L x W x H	36.6 x 28.3 x 32.9-39.4 in
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Engine / Motor

Engine / Motor	3-phase electric motor
Engine performance	10 hp
Voltage	480 V
Input current	16 A
Frequency	60 Hz

Hydraulic system

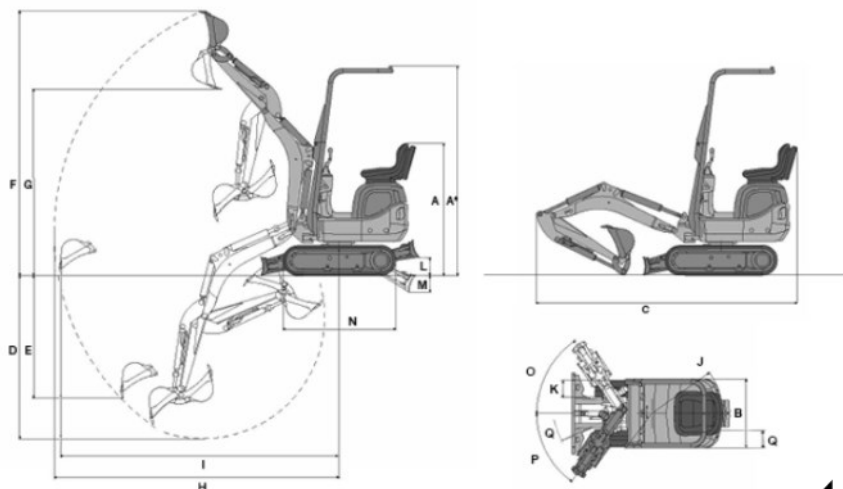
Flow rate	5.2 US gpm
Operating pressure	2,756 psi
RPM / speed	1,728 rpm
Hydraulic oil tank	2.4 US gal
Hose	39.4 ft

Undercarriage

Dozer Blade

Sound level

Dimensions



Wacker Neuson 803

A*	Height	89 in
A	Height	56.2 in
B	Width - Cab	28.7 in
B	Width - Undercarriage retracted	27.6 in
B	Width - Undercarriage extended	33.9 in
C	Transport length	111.3 in
D	Digging depth max.	69.4 in
E	Insertion depth	52 in
F	Insertion height	112.7 in
G	Dump height max.	79.2 in
H	Digging radius max.	121.7 in
I	Range	119.3 in
J	Rear swivel radius	29.4 in
K	Arm displacement to centre of bucket, right side	9.6 in
K	Arm displacement to centre of bucket, left side	11.1 in
L	Lift height - Above ground	7.8 in
M	Scraping depth - Below ground	7 in
N	Length - Track	48 in
O	Turning angle - Boom system to the right	56 °
P	Turning angle - Boom system to the left	55 °
Q	Chain width	7.1 in
R	Boom slewing radius	42.7 in

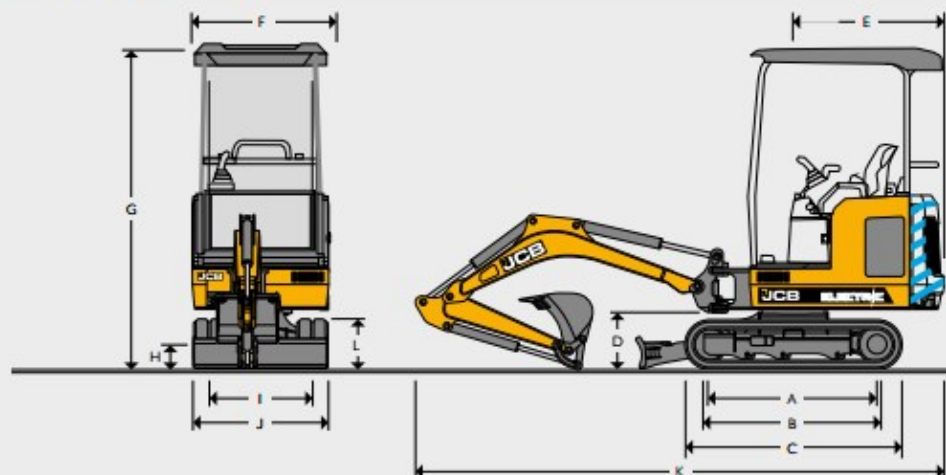
Please note

that product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the stated power may vary due to specific operating conditions. Subject to alterations and errors excepted. Applicable also to illustrations.

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STATIC DIMENSIONS



STATIC DIMENSIONS

A	Sprocket idler centres	mm	1218
B	Track length on ground	mm	1220
C	Undercarriage overall length – rubber	mm	1578
	Undercarriage overall length – steel	mm	1578
D	Kingpost clearance	mm	409
E	Tailswing radius	mm	1103
F	Overall width of superstructure	mm	996
G	Height over canopy	mm	2345
G	Height over cab	mm	2328
H	Ground clearance	mm	162
I	Track gauge – retracted/extended	mm	750 – 1110
J	Width over tracks / rubber / steel – retracted	mm	980
	Width over tracks / rubber / steel – extended	mm	1330
K	Transport length	mm	3860 – 3815
L	Track height	mm	367
M	Counterweight clearance	mm	434

POWER SOURCE

Battery Type	Manganese laminated Lithium-ion
Gross Capacity	19.8 kWh
System Voltage	48V
Zero Emissions at point of use	

CHARGING

On-board charger allowing direct connection to mains power.
Indicative Charge Time - 20-80%, subject to environmental conditions.

Off-board fast charge - 0-100% @ 415V

Charging cable plug type

MOTOR

Motor Type
Motor Power
Operating Modes

UNDERCARRIAGE

No. of bottom rollers
Track width rubber
Travel speed – low
Travel speed – high
Tractive effort



n to AC mains power supply

On-board @ 110V – 10.5 hrs
On-board @ 230V – 5 hrs
2.5 hrs
16A 110V (Yellow)
16A 230V (Blue)
16A 415V (Red)

3 Phase AC Permanent Magnet

7kW continuous, 20kW peak

L: 1200rpm

G: 1600rpm

H: 1800rpm

	Retractable
	3
mm	230
kph	2.4
kph	4.1
kN	13.2

HYDRAULIC SYSTEM

Pump	cc	18
Nominal output @ max rpm	lpm	42
Excavator/track main relief pressure	bar	235
Slew main relief pressure	bar	167
Auxiliary hydraulic pressure (Aux 1)	bar	200
Auxiliary hydraulic pressure (Aux 2)	bar	200
Auxiliary hydraulic flow (Aux 1)	lpm	32
Auxiliary hydraulic flow (Aux 2)	lpm	32
Hydraulic pump		Piston

WEIGHTS

		Canopy	Cab
Operating weight	kg	1902	2037
Long dozer	kg		9
Mechanical quickhitch	kg		14
Hydraulic quickhitch (without hoses)	kg		24
Gravemaster dipper	kg		5
Ground bearing pressure (rubber tracks)	kg/cm ²		0.36
Transport weight (operator weight – 75kg)**	kg	1827	1962

*Operator weight to ISO 6016 including cab/canopy, rubber tracks, 1100 dipper, 300mm bucket, 75kg operator. **Transport weight to ISO 6016 is mass of the base machine without operator.

SERVICE CAPACITIES

Hydraulic system	ltr	28
Hydraulic tank	ltr	15

OPERATOR ENVIRONMENT

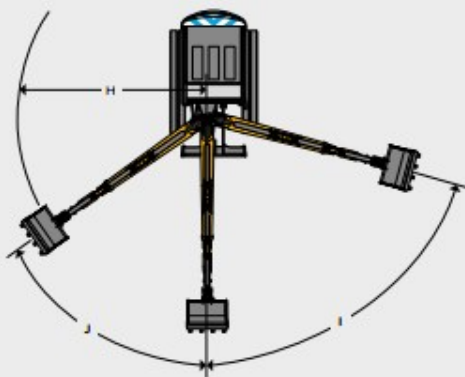
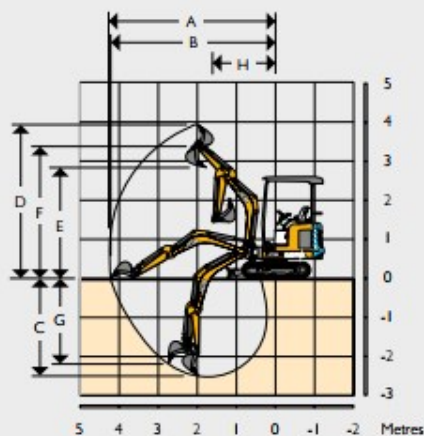
		Canopy	Cab
Canopy/cab height	mm	1364	1347
Canopy/cab length	mm	1427	1202
Canopy/cab width	mm	978	1040

DOZER

Dozer length (STD) centre of boss	mm	787
Max. height above ground	mm	239
Dig depth below ground	mm	225
Approach angle	degrees	25.3
Width (without wings)	mm	980
Width (with wings)	mm	1340
Height	mm	234



WORKING RANGE



		1100mm Dipper
	Boom length	mm 1800
A	Max. digging reach	mm 4043
B	Max. digging reach on ground	mm 3981
C	Max. digging depth – dozer up	mm 2421
	Max. digging depth – dozer down	mm 2576
D	Max. digging height	mm 3667
E	Max. dump/load-over height	mm 2637
F	Max. height to dipper nose pivot pin	mm 3154
G	Max. vertical wallout depth	mm 2139
H	Min. front swing radius (no offset)	mm 1517
	Min. front swing radius (fully offset)	mm 1196
I	Boom swing left	degrees 75
J	Boom swing right	degrees 55
	Bucket rotation	degrees 201
	Dipper rotation	degrees 126
	Bucket tearout (power position)	kN 18
	Dipper tearout	kN 9.1
	Slew speed	rpm 7.9

EQUIPMENT

SERVICE AND MAINTENANCE

500 hours dig end greasing intervals	•
Grease gun & cartridge	•
Toolkit	+

TRACKS AND UNDERCARRIAGE

230mm short pitch rubber tracks	•
Two speed tracking	•
Retractable undercarriage	•
Extendable dozer blade	•
Heavy duty recoiled tracked tensioners	•
Long dozer blade	+
Auto kick down track motors	•
Auto Kick-up	•

OPERATOR STATION

On-board charger	•
LED worklights	•
Full audio visual warning systems	•
Full control isolation	•
12 volt power socket	•
ISO servo controls	•
Static seat	•
Electro-proportional thumb controlled dual flow auxiliary	•
Dual patterned controls (ISO/SAE changeover)	+
Vinyl suspension seat	•
Track lever pedals	•

POWER SOURCE

4 power packs	•
---------------	---

HYDRAULICS

Hydraulic slew travel lock	•
Variable displacement pump	•
Straight line travel circuit	•
ORFS hydraulics	•
Quick release auxiliary couplers	•
Double acting auxiliaries	•
Auxiliary vent	•

PROTECTION AND SAFETY

ROPS, TOPS & FOPS certified cab/canopy	•
Internal lockable toolbox	•
Protected boom work light	•
2GO hydraulic isolation	•
Cesar Data Tag (UK ONLY)	•
Disconnect switch	•
Seat belt engaged green beacon	+
JCB LiveLink	•
Pin pad immobiliser	+
Polycarbonate front screen protection	+
Travel alarm	+

EXTERNAL EQUIPMENT

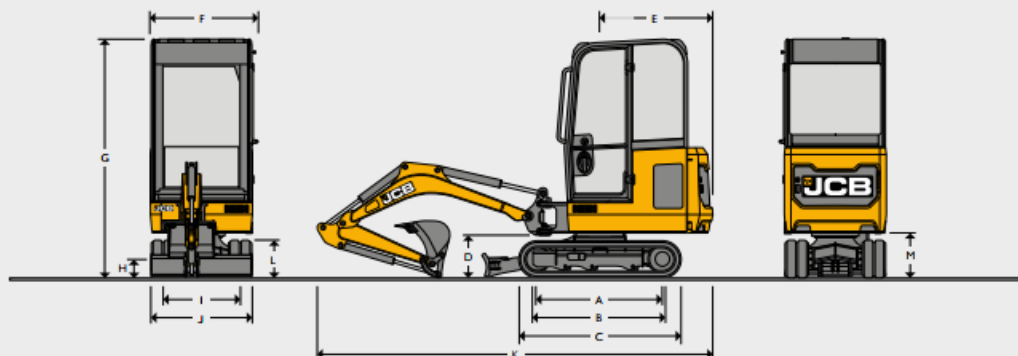
Charging leads 110V	•
Charging leads 230V	•
Fast charge 415V	+
Standard dipper (mm)	1100
Dipper options (mm)	1100/1344
Tie down points	•
LED amber beacon	•
Heavy duty kingpost	•
Exterior mirrors	+
GP & bladed bucket range	+
Mechanical quick hitch	+
Hydraulic quick hitch ind. pipework	+
Thumb ready dipper	+

STANDARD •

OPTIONAL +



STATIC DIMENSIONS



Machine model			18Z-1
A	Sprocket idler centres	mm	1218
B	Track length on ground	mm	1220
C	Undercarriage overall length - rubber	mm	1578
	Undercarriage overall length - steel	mm	1578
D	Kingpost clearance	mm	409
E	Tailswing radius	mm	685
F	Overall width of superstructure	mm	996
G	Height over cab	mm	N/A
	Height over canopy	mm	2340
H	Ground clearance	mm	162
I	Track gauge - retracted/extended	mm	750-1110
J	Width over tracks / rubber / steel - retracted	mm	980
	Width over tracks / rubber / steel - extended	mm	1330
K	Transport length	mm	3547
L	Track height	mm	367
M	Counterweight clearance	mm	434

ENGINE		
Machine model		15C-I, 16C-I, 18Z-I, 19C-I, 19C-I PC
Model		403D-07
Fuel		Diesel
Cooling		Water cooled
Gross power ISO 14396	kW	11.7 @ 2550 rpm
Net power	kW	10.8 @ 2550 rpm
Max. torque ISO 14396	Nm	45.6 @ 2000 rpm
Displacement	cc	762
Gradeability	degrees	35°
Starter motor	kW	1.2
Battery	volt / amps	12V / 65AH
Alternator	amps (aircon)	60

UNDERCARRIAGE		
Machine model		18Z-I
		Retractable
No. of bottom rollers		3
Track width rubber	mm	230
Track width steel	mm	230
Travel speed – low	kph	2.4
Travel speed – high	kph	4.1
Tractive effort	kN	13.2

HYDRAULIC SYSTEM		
Machine model		18Z-I
Pump	cc	18
Nominal output @ max rpm	lpm	42
Excavator/track main relief pressure	bar	235
Slew main relief pressure	bar	167
Auxiliary hydraulic pressure (Aux 1)	bar	200
Auxiliary hydraulic pressure (Aux 2)	bar	N/A
Auxiliary hydraulic flow (Aux 1)	lpm	32
Auxiliary hydraulic flow (Aux 2)	lpm	N/A
Hydraulic pump		Piston



WEIGHTS

Machine model		18z-1
		Canopy
Operating weight*	kg	1749
FOPS (Falling Object Protective Structure) guard	kg	N/A
Steel tracks	kg	81
Long dozer	kg	9
Mechanical quickhitch	kg	14
Hydraulic quickhitch (without hoses)	kg	N/A
Gravemaster dipper	kg	N/A
Shipping weight**	kg	1655
Ground bearing pressure (rubber tracks)	kg/cm ²	0.33
Ground bearing pressure (steel tracks)	kg/cm ²	0.35
Transport weight (operator weight - 75kg)	kg	1674

*Operator weight to ISO 6016 including cab/canopy, rubber tracks, 950 dipper (15C-1, 16C-1, 19C-1 & 18Z-1), 1100 dipper (19C-1 PC), 300mm bucket, full tanks and a 75kg operator. **Shipping weight to ISO 6016 is mass of the base machine without operator, with fuel level at 10% of tank capacity.

SERVICE CAPACITIES

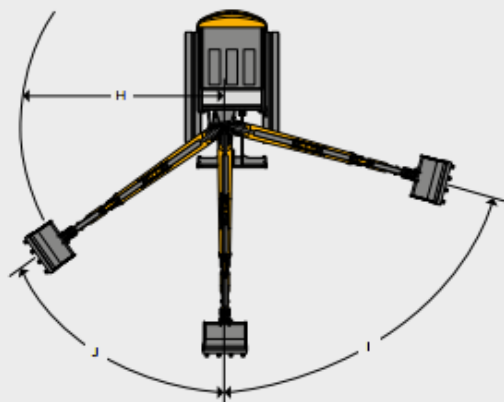
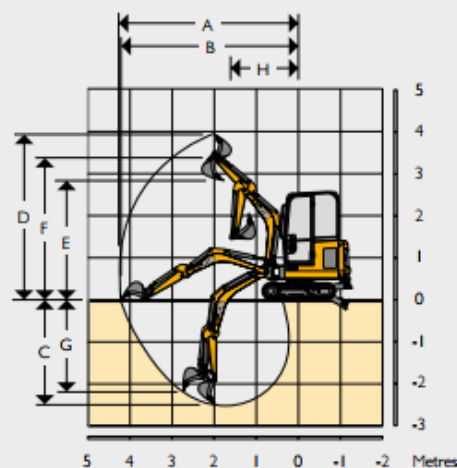
Machine model		18z-1
Fuel tank	ltr	20.5
		Canopy
Engine coolant	ltr	model: 4.2
Engine oil	ltr	2.5
Hydraulic system	ltr	28
Hydraulic tank	ltr	15

OPERATOR ENVIRONMENT

Machine model		18z-1
Cab/canopy height	mm	na / 2347
Cab/canopy height with FOGS guard LEVEL I	mm	na / 2347
Cab/canopy length with FOGS guard LEVEL I	mm	1107
Cab/canopy length	mm	1107
Cab/canopy width	mm	978

DOZER

Machine model		18z-1
Dozer length (STD) centre of boss	mm	787
Max. height above ground	mm	239
Dig depth below ground	mm	225
Approach angle	degrees	25.3
Width (without wings)	mm	980
Width (with wings)	mm	1340
Height	mm	234



	Boom length	mm
A	Max. digging reach	mm
B	Max. digging reach on ground	mm
C	Max. digging depth – dozer up	mm
	Max. digging depth – dozer down	mm
D	Max. digging height	mm
E	Max. dump/load-over height	mm
F	Max. height to dipper nose pivot pin	mm
G	Max. vertical wallcut depth	mm
H	Min. front swing radius (no offset)	mm
	Min. front swing radius (fully offset)	mm
I	Boom swing left	degrees
J	Boom swing right	degrees
	Bucket rotation	degrees
	Dipper rotation	degrees
	Bucket tearout (power position)	kN
	Dipper tearout	kN
	Slew speed	rpm

18Z-1 / 19C-1 /
19C-1 PC
(950mm
Dipper)

1800

3899

3834

2271

2426

3556

2598

3116

1933

1488

1171

75°

55°

201°

126°

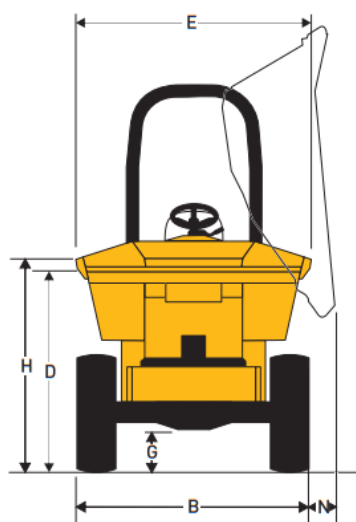
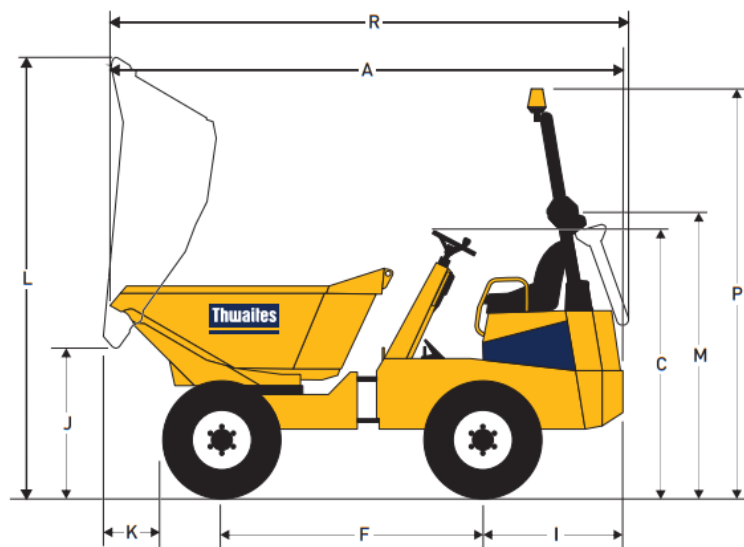
18

10.1

7.9

6 Tonne Power Swivel

MACH2066



Dimensions
(mm)

A	4815
B	2280
C	2230
D	1670
E	2240
F	2480
G	370
H	1850
I	1235
J	1100
K	550
L	3694
M	2230
N	100
P	3300
R	5082



6 Tonne Power Swivel

MACH2066

Capacities	Max safe load	6000kg
	Heaped	3150 litres
	Struck	2550 litres
	Water	1650 litres

Engine

Deutz TCD 3.6 L4 55.4kW/74hp at 2200rpm, water-cooled, four cylinder, charged air cooled turbo, electronic controlled fuel injected diesel engine. Powercore air intake filter and stainless steel exhaust system, including after treatment Diesel Oxidation Catalyst providing conformity to EU Stage IIIB emission regulations. Peak torque 390Nm at 1300 rpm.

Noise Levels

Operator's ear 84 LpA, airborne sound level 102 LwA

Transmission

Torque converter four speed forward and reverse Powershuttle transmission with column mounted directional control lever and heavy duty gear driven transfer box.

Speeds	Forward and Reverse
1	5.0km/h [3.1 mph]
2	8.0km/h [5.0 mph]
3	15.1km/h [9.3 mph]
4	27.7 km/h [17.2 mph]

Tyres	405/70 x 20
	14 ply
	Track grip tread

Brakes and Axles

Twin circuit totally enclosed multiplate oil immersed discs, mounted on both axles with automatic adjustment for wear. Hand operated parking brake. Heavy duty axles with epicyclic reduction and fully floating half shafts.

Kinglink Chassis

Front and rear chassis constructed from deep section folded steel plate, with three point Kinglink giving articulation and oscillation for better stability, traction and extra safety on site. Remote greasing point provided for lubrication of top Kinglink articulation pin.

Skip

Hydraulically operated, 8 mm steel base plate, fully welded, reinforced with box section giving greater strength to minimise skip damage. No material traps. Powerswivel mounted on a ball bearing turntable with powered rotation through 180° by means of twin slewing cylinders, operated by a single dual-axis control lever. Automatic safety lock holds skip in central position when travelling.

Seating & Controls

Adjustable suspension seat, fitted with high visibility rigid seat belt with adjustable web, accessible from both sides. Audible warning device for handbrake in "on" position, electric horn, large pedal pads, ignition key, park brake and skip controls ready to hand. Super bright LED warning lights visible from the drivers position for all critical functions.

Service Access

Lockable three sided cover opens to provide easy access from ground level to engine service points, all located on the same side. Rear chassis panel can be hinged back on retainers. An additional service access door incorporates the battery. Moulded plastic diesel tank and steel hydraulic tank are positioned low in chassis side members, permitting access to the filler caps from ground level.

Electrics

Engine control unit with shutdown monitoring. Electronic equipment function includes diagnostic port and tri-function hour meter/ fault code reader/ battery volt meter. Fuse & relay panel housed in easy to access position, with all wiring contained in solid sealed conduit and all electrical components water resistant to IP67 rating.

Steering and Hydraulics

Single gear pump providing hydraulic functions includes priority power steering. Filter mounted on top of the tank accessible from ground level. Hydraulic test point fitted as standard.

Tank Capacities	Fuel	72 litres
	Hydraulic	50 litres

Shipping Cube	25.8 m ³ [with ROPS]
---------------	---------------------------------

Unladen Weight	4420kg
----------------	--------

Clearance Diameter	12m
--------------------	-----

Standard Equipment	Towing bracket
	Folding ROPS frame
	Rotary beacon
	Low fuel level warning
	Water in fuel warning
	High visibility rigid seat belt
	Reverse alarm
	Low brake fluid warning
	Handbrake test switch

Distributor



Thwaites Ltd. Leamington Spa, Warwickshire CV32 7NQ, England
Tel +44 (0)1926 422471 Fax +44 (0)1926 337155
www.thwaitesdumpers.co.uk



We reserve the right to change all specifications without prior notice.
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**WACKER
NEUSON**
all it takes!

4001

Wheel Dumpers



The four-wheel pro – 4001.

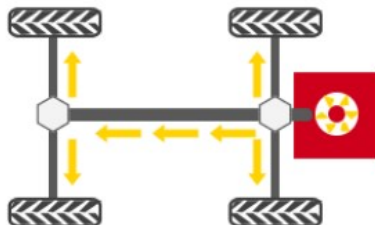
Shifts up to 4,000 kg payload quickly and efficiently and then dumps the load with the spot on precision of the standard swivel-tipping skip. Guaranteed to get things going on the building site.

- Low maintenance hydrostatic four-wheel drive;
- swivel tipping skip (standard), large-volume, robust and hard-wearing skip design; standard skip capacity of up to 2,550 l (heaped).
- With high ground clearance and a top speed of 21 km/h transport jobs get done fast.
- Maximum payload 4,000 kg
- More of a speedster: the 4001s Speed Version gets up to 25 km/h!



Hydrostatic all-wheel drive

- total focus on the job, no busy shifting of gears
- one central hydraulic engine drives both axles via a cardan shaft
- hydrostatic braking effect as soon as the foot is taken off the accelerator pedal
- low-wear drive for reduced service and maintenance costs
- controlled delay for regulated switching, thus no abrupt change of drive
- accelerate from 0 to maximum speed of 28km/h without traction loss





Technical specifications

Operating data

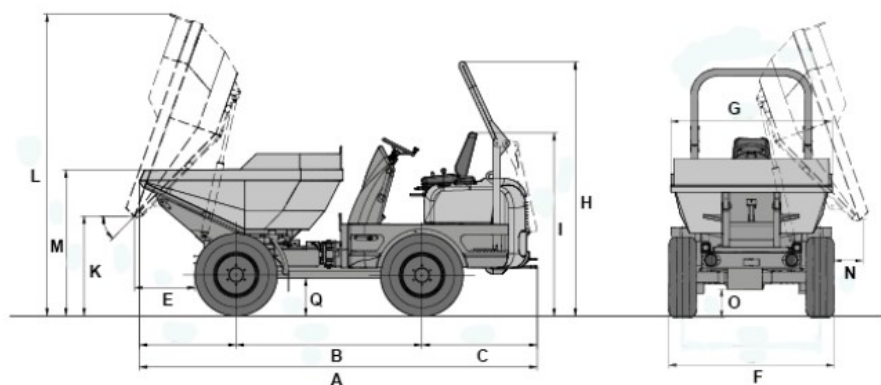
Payload	4,000 kg
Shipping weight	2,730 kg
Skip capacity level	1,650 l
Skip capacity heaped	2,130 l
Skip capacity water level	1,030 l

Engine / Motor

Engine / Motor manufacturer	Yanmar
Engine / Motor type	4TNV88
Engine / Motor	Diesel
Engine performance acc. to ISO 3046/1	34.1 kW
Displacement	2,189 cm ³
Engine RPM	2800 rpm
Travel speed	21 km/h
Articulation angle	37 °
Pendulum angle	15 °
Turning radius	3,730 mm
Gradeability	50 %
L x W x H	4200 x 1795 x 2700 mm
Flow rate	46.5 l/min
Operating pressure	175 bar
Tank capacity	38.9 l
Sound level (LwA)	101.4 dB(A)



Dimensions



A	Overall length	4,200 mm
B	Wheelbase	1,960 mm
C	Rear overhang	1,215 mm
E	Dumping distance	600 mm
F	Width vehicle	1,795 mm
G	Skip width	1,740 mm
H	Height ROPS	2,700 mm
I	Height ROPS tipped	1,930 mm
K	Dump height max.	1,030 mm
L	Skip height tipped	3,200 mm



M	Skip height	1,500 mm
N	Dumping distance seitlich	270 mm
O	Ground clearance	300 mm
--	Dump angle	46 °
Q	Distance	390 mm

Please note

that product availability can vary from country to country. It is possible that information / products may not be available in your country. More detailed information on engine power can be found in the operator's manual; the stated power may vary due to specific operating conditions.

Subject to alterations and errors excepted. Applicable also to illustrations.

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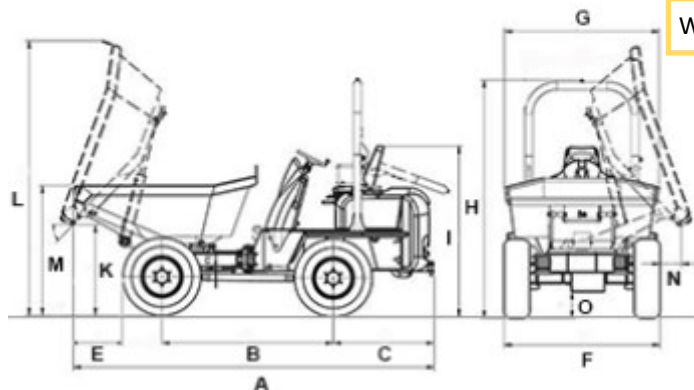




Technical specifications

	Swivel tip skip
Operating data	
Payload kg	3,000
Shipping weight kg	2,550
Skip capacity level I	1,300
Skip capacity heaped I	1,750
Skip capacity water level I	900
Engine / Motor	
Engine / Motor manufacturer	Yanmar
Engine / Motor type	3TNV88
Engine / Motor	Diesel
Engine performance acc. to ISO 3046/1 kW	24.4
Displacement cm ³	1,642
Engine RPM rpm	2800
Travel speed km/h	22
Articulation angle °	37
Pendulum angle °	15
Turning radius mm	3,650
Gradeability %	50
Tires	11.50/80-15.3
L x W x H mm	4140 x 1785 x 2670
Steering pump	axial piston pump
Flow rate l/min	126
Operating pressure bar	360
Duty pump	gear pump
Flow rate l/min	45
Operating pressure bar	220
Sound level (L _{WA}) dB(A)	101





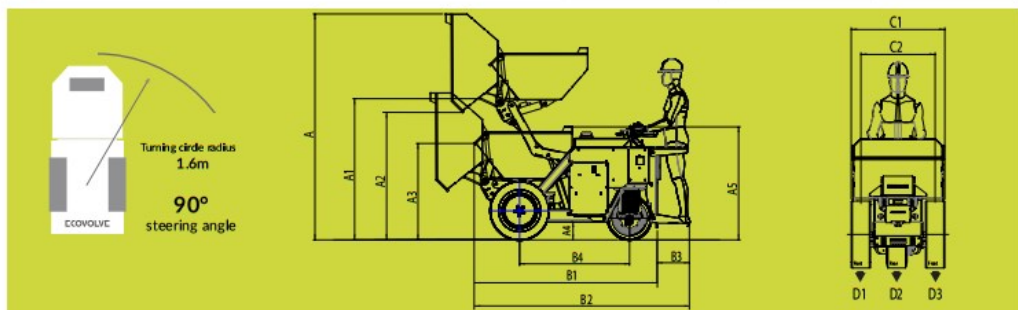
Swivel tip skip

A	Overall length	4,140 mm
A	Overall length cabin	4,140 mm
B	Wheelbase	1,960 mm
C	Rear overhang	1,160 mm
E	Dumping distance	600 mm
F	Width	1,785 mm
G	Skip width	1,775 mm
H	Height	2,670 mm
I	Height ROPS folded down	1,870 mm
J	Height cabin	2,610 mm
K	Dump height max.	1,020 mm
L	Skip height tipped	3,125 mm
M	Skip height not tipped	1,475 mm
N	Dumping distance lateral	245 mm
O	Ground clearance	280 mm
--	Dump angle	46 °





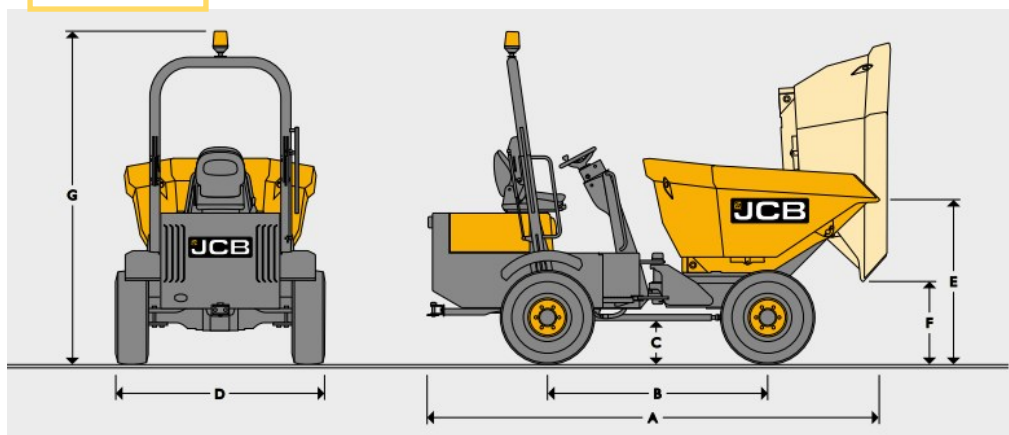
		0	ED1000
Capacity	Max safe load (Kg)	1000	
	Unladen weight (Kg)	1300	
	Skip - Leveled (Ltr)	435	
	- Heaped (Ltr)	600	
	- Water level (Ltr)	315	
Drive	Drive type	1 wheel drive	
	Steering	1 wheel steer	
	Speed (Km/h)	0-8	
	Steering angle	90°	
	Grade ability	15°	
Transmission	Proportional Steering	Drive Electric	
	Tires - Front (2no. Super elastic)	27x8,5x15	
	- Rear (1no. Super elastic)	21x8x9	
	Brakes	Dynamic electric brake	
		Negative parking brake	
Hydraulic system	Gear pump - Flow rate (Ltr/Min)	6.5	
	- Oper. pressure (Bar)	130	
	Pump motor (KW)	2.2	
	Hydraulic tank capacity (Ltr)	2.8	
Electric system	Voltage (V)	24	
	Battery (Ah)	400	
	Integrated Charging - Input (V AC)	100-240	
	- Output (V DC)	24	
	Recharge (Hrs)	8	
Drive motor	Type	Induction motor	
	Output	5KW/7HP	
	Emission	Zero	
Noise	Driving (Db)	65	
	Buzzer [adjustable] (Db)	60-80	



														Unladen		Laden	
[mm]	A	A1	A2	A3	A4	A5	B1	B2	B3	B4	C1	C2		D1/D3	D2	D1/D3	D2
ED1000	2610	1630	1470	1120	210	1310	2200	2565	330	1270	965	762		310 kg	680 kg	785 kg	730 kg

Ground Pressure





			ITHT
A	Overall length	mm	2980
B	Wheel base	mm	1440
C	Minimum ground clearance	mm	241
D	Width	mm	998* / 1120
E	Height to front lip of skip (untipped)	mm	1167
F	Height to front lip of skip (tipped)	mm	1620 (raised)
	Turning radius to outside of skip	mm	2295
	Steering angle		+/- 45°
	Oscillation		+/- 14°
G	Height to top of ROPS (raised with beacon)	mm	2832

*When fitted with narrow tyres

ENGINE

Type		ITHT
Engine model		Kubota D905
Capacity	cc	898
Aspiration		Naturally Aspirated
Cylinders		3
Max gross power to SAE J1995/ISO 14396	kW (hp)	15.5 (20.8)
Max torque	Nm	56
Emissions compliance		EU Stage 3A

CAPACITIES

Payload	kg	1000
Unladen weight	kg	1350
Tipping type		Front tip - High tip
Skip capacity (water)	litres	320
Skip capacity (struck)	litres	450
Skip capacity (heaped)	litres	540

*When fitted with narrow tyres



TRANSMISSION

	ITHT
Type (standard)	Hydrostatic pump to 4 hydraulic wheel motors
Type (option)	-
Tyre size	255 / 75 x 15.2 x 8 ply (option 7.0 x 12 narrow tyre)
Drive	Hydrostatic 1/1
Max travel speed (unladen)	mph (kph)
Gradeability (maximum slope gradient)	20% (1 in 5)

ELECTRICAL SYSTEM

	ITHT
System voltage	Volt
Alternator output	Amp hour
Battery capacity	Amp hour

SERVICE FILL CAPACITIES

	ITHT
Hydraulic tank	litres
Fuel tank	litres

HYDRAULICS

	ITHT
Pump 1 max. flow	l/min
Pump 1 max. pressure	bar
Steering system	

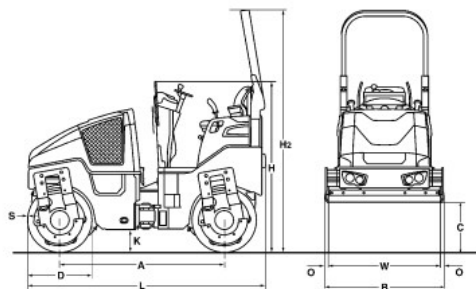
STEERING

	ITHT
Working brake	Hydrostatic dynamic braking on rear wheel motors
Parking brake	Hydrostatic dynamic braking on rear wheel motors

ENVIRONMENTAL

	ITHT
Noise emission (to ISO 4871) - Sound pressure (LpAd)	83db
Sound power level (LWA)	101db
Noise compliance	
Vibration – hand arm (as defined in EN474-1 all operations)	
Vibration – whole body (as defined in ISO/TR 25398-Work Cycle)	



**Dimensions in mm**

	A	B	C	D	H	H2	K	L	O	S	W
BW 120 AD-5	1752	1272	523	700	1808	2568	254	2529	36	13	1200

Shipping dimensions in m3

BW 120 AD-5

without ROPS

5,816

with ROPS

8,261

Machine type	Compaction output (m3/h) at recommended soil layer thicknesses		
	Gravel, sand	Mixed soil	Silt, clay
BW 120 AD-5	85-170	65-125	43-85

Machine type	Compaction output (t/h) at different asphalt layer thicknesses		
	2-4 cm	6-8 cm	10-12 cm
BW 120 AD-5	20-45	40-70	70-120



Technical Data

BOMAG
BW 120 AD-5

Weights

Operating weight w. ROPS CECE	kg	2.700
Average static linear load CECE	kg/cm	11,3
Grossweight	kg	3.150

Dimensions

Working width	mm	1.200
Track radius, inner	mm	2.450

Driving Characteristics

Speed	km/h	0- 9,0
Working speed with vibration	km/h	0- 5,0
Max. gradeability without/with vibr.	%	40/30

Drive

Engine manufacturer	Deutz	
Type	D 2.2	
Emission stage	Stage V / TIER4f	
Cooling	water	
Number of cylinders	3	
Performance ISO 14396	kW	18,4
Performance SAE J 1995	hp	25,0
Speed	min-1	2.300
Electric equipment	V	12
Driven drum		front + rear

Brakes

Service brake	hydrot.
Parking brake	hydromec.

Steering

Steering system		oscil.artic.
Steering method		hydrot.
Steering / oscillating angle +/-	grad	32/10
Crab walk	mm	0- 50

Exciter system

Vibrating drum		front + rear
Drive system		hydrot.
Frequency	Hz	67/56
Amplitude	mm	0,50
Centrifugal force	kN	41/29

Sprinkler System

Type of sprinkling	pressure
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Capacities

Fuel	l	35,0
Water	l	205,0

Technical modifications reserved. Machines may be shown with options.







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