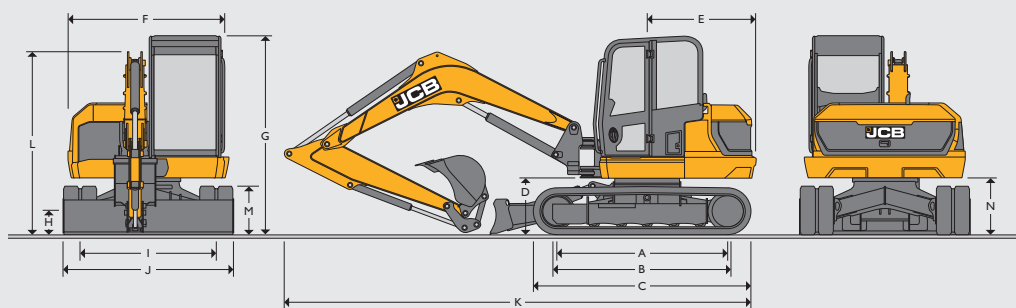


STATIC DIMENSIONS



Machine model	65R-I	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	1185	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	5710	5600
L Transport height	mm	2360	2600
M Track height	mm	560	
N Counterweight clearance	mm	637	

ENGINE

Machine model	65R-I	
Model	Stage 3A 404D-22	
Fuel	Diesel	
Cooling	Water Cooled	
Gross power	kW @ 2600 rpm	35.7
Net power	kW @ 2600 rpm	33.1
Gross torque	Nm @ 1800 rpm	143
Displacement	cc	2179
Gradeability	degrees	35
Starter motor	kW	2
Battery	volt/amps	12V / 75Ah
Alternator	amps (Air Con)	85

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	65R-I	67C-I	
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 <sup>2</sup>	0.41	0.42
Ground clearance	mm	240	
Track tensioning		Grease	
Travel speed - Low	kph	2.6	
Travel speed - High	kph	4.7	4.6
Tractive effort	kN	54.5	

HYDRAULIC SYSTEM

Machine model	65R-I	67C-I	
Pump	63cc	72cc	
Nominal output (@ rated)	lpm	145	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	65R-I	67C-I	
Operating weight* (400mm rubber tracks)	kg	6601	6760
Transport weight (400mm rubber tracks)	kg	6526	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 <sup>2</sup>	0.41	0.42
Ground bearing pressure 550 tracks	kg/cm <sup>2</sup>		0.31
With wide dozer (2170)	kg		+9
With 4 way dozer (Hydraulic quickhitch weight = 95kg)	kg		+172
With long dipper (2000)	kg	N/A	Standard
With long dipper (1900)	kg	Standard	N/A
With short dipper (1650)	kg	-25	-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	65R-1	67C-1
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	65R-1	67C-1
Fuel tank	ltr	83
Engine coolant	ltr	11.9
Engine oil	ltr	9.1
Hydraulic system	ltr	92.5
Hydraulic tank	ltr	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	65R-1	67C-1
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 – 65R-1

		Uncertainty	Measurement conditions
Noise at the operator station (LpA)	73dB (KpA)	1db	ISO 6396: 2008
Noise emission from the machine (LWA)	94dB (KWA)	3db	ISO 6395: 1988
Hand arm vibration (m/s <sup>2</sup> )			
Tracking duty	≤2.5 (K)	*	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 <sup>2</sup> )	0.41 (K)	0.2	ISO 2631-1: 1997 (Based upon a test cycle defined in SAE J 1166)

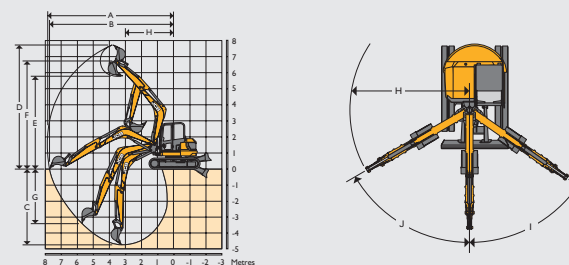
## NOISE AND VIBRATION – 67C-1

		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 <sup>2</sup> )			
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 <sup>2</sup> )	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



	65R-1	67C-1
Dipper length	mm	1650 / 1900
Boom length	mm	2900
A Max digging reach	mm	6485 / 6724
B Max digging reach on ground	mm	6375 / 6617
C Max digging depth - dozer up	mm	3704 / 3954
Max digging depth - dozer down	mm	3761 / 4011
D Max digging height	mm	5836 / 6026
E Max dump height	mm	4041 / 4216
F Max height to dipper nose pivot pin	mm	4920 / 5085
G Max vertical wallcut depth	mm	2603 / 2818
H Min. front swing radius (no offset)	mm	2779 / 2815
Min. front swing radius (fully offset)	mm	2481 / 2515
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 / 30.7
Slew speed	rpm	9.2