

TYRE SIZE – 407

Tyre size	Manufacturer	Type	Op weight (kg)	Dimensions	
				Vertical (mm)	Width (mm)
335/80 R18	Dunlop	SPT9 EM	+41.2	-4	0
365/70 R18	Dunlop	SPT9 EM	+64.16	-14	+69
405/70 R18	Dunlop	SPT9 EM	+94.00	+9	+113
335/80 R20	Dunlop	SPT9 MPT	+77.44	+22	-22
335/80 R18	Michelin	XZSL	+81.6	+9	+14
340/80 R18	Michelin	XMCL	+71.6	-6	+25
340/80 R18	Nokian	TRI 2	+55.6	+1	+12
12.5-18	Camso	SLR4	0.00	0	0
12.5/80-18	Camso	SLR4	0.00	-15	-15

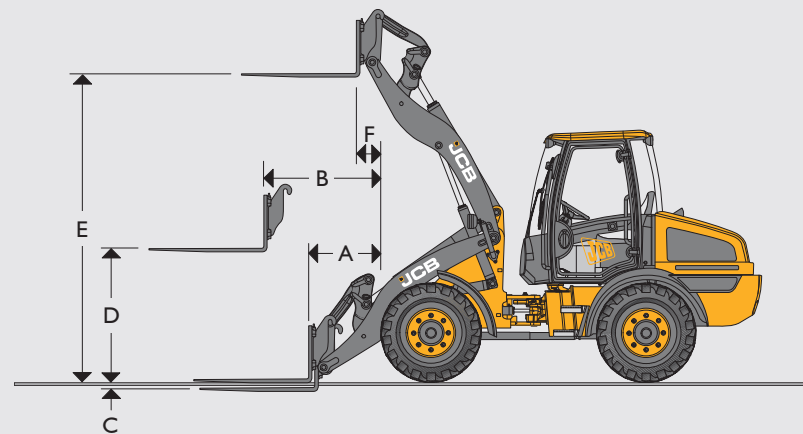
Loader dimensions quoted on 12.5-18 Wheels and Tyres.

TYRE SIZE – 409

Tyre size	Manufacturer	Type	Op weight (kg)	Dimensions	
				Vertical (mm)	Width (mm)
405/70 R18	Dunlop	SPT9 EM	-56.36	-8	-8
335/80 R20	Dunlop	SPT9 MPT	-72.96	-85	-85
365/80 R20	Dunlop	SPT9 MPT	-55.20	-51	-51
405/70 R20	Dunlop	SPT9 MPT	-13.67	-7	-7
375/75 R20	Michelin	XZSL	-0.80	-13	-13
380/75 R20	Michelin	XMCL	-12.80	-15	-15
400/70 R20	Michelin	XMCL	0.00	+4	+4
405/70 R20	Michelin	XZSL	+24.80	+10	+10
420/75 R20	Michelin	XMCL	+38.00	+10	+10
340/80 R18	Nokian	TRI 2	-82.40	-65	-65
360/80 R20	Nokian	TRI 2	-56.80	-51	-51

Loader dimensions quoted on 16.0/70-20 Wheels and Tyres.

LOADER DIMENSIONS – FORK FRAME WITH FORKS



		Parallel fork		
		407	409	
	Fork carriage width	mm	1345	1345
	Length of tines	mm	1200	1200
A	Reach at ground level	mm	710	724
B	Reach at arms horizontal	mm	1232	1187
C	Below ground level	mm	84	17
D	Arms, horizontal height	mm	1426	1396
E	Arms, max. height	mm	3012	3231
F	Reach at max. height	mm	506	231
	Payload*	kg	2142	2366
	Tipping load straight	kg	3324	3787
	Tipping load full turn (40°)	kg	2600	2907
	Attachment weight	kg	191	191

* At the centre of gravity distance 500mm. Based on 80% of FTTL as defined in ISO 8313.

Manual fork spacings at 50mm increments. Fork section 100mm x 50mm.

ELECTRICAL SYSTEM			407/409
System voltage	Volt		12
Alternator output	Amp hour		80
Battery capacity	Amp hour		100

HYDRAULICS			
		407	409
Pump type		Single Gear Pump	Single Gear Pump
Pump type for High Flow Option		2 x Single Gear Pump	2 x Single Gear Pump
Pump max. pressure	bar	230	250
Auxiliary flow	l/min	60	83
Hydraulic cycle times at full engine			
Arms raise (full bucket)	Seconds	4.9	4.9
Bucket dump (full bucket)	Seconds	3.5	4.1
Arms lower (empty bucket)	Seconds	3.1	3
Total cycle	Seconds	11.5	12
Hydraulics (High Flow)		plus 30l	plus 30l
Pump max. flow	l/min	64	89

SERVICE FILL CAPACITIES			
		407	409
Hydraulic system	litres	70	70
Fuel tank	litres	80	80
Engine oil sump	litres	11.2	11.2
Axle oil (front)	litres	4.4	4.4
Axle oil (rear)	litres	6.05	6.05

STANDARD EQUIPMENT		
	407	409
GENERAL MACHINE FEATURES	Parallel lift geometry, JCB Hydraulic Quickhitch, articulated steering, front and rear fenders, one piece opening bonnet, recovery hitch, lifting lugs, temperature controlled engine cooling fan.	
TRANSMISSION		
BRAKES	In board oil immersed brakes with combined handbrake; cable operated parkbrake.	In board oil immersed brakes with combined handbrake; spring actuated hydraulic released parkbrake.
ELECTRIC		
HYDRAULICS	Single lever manual control, gear pump with priority steer, emergency steer back up.	Single lever servo control, gear pump with priority steer, emergency steer back up, flow sharing.
CAB	ROPS/FOPS safety structure, fully adjustable seat, interior light, adjustable tilt steering column, safety glass, LCD display, front and rear screen wash/wipe, 3 speed heater fan with replacable filters, radio aperture (high spec cab only), sun visor.	

OPTIONAL EQUIPMENT		407/409
GENERAL MACHINE FEATURES	HBCV, 4th Spool aux circuit, LSD axles, locking differential front axle with on the fly operation (409 only), immobiliser, livelink, under bonnet battery isolator, worklights, bio oil, aircon, constant flow, high flow plus 30 l/min., SRS, Rockinger Tow hitch 3.5t, rear aux. hydraulics, rear electrical connection, creep speed, shovel level indicator, stowage box, fully opening RH window with locks. See Dealer for full list.	

NOISE AND VIBRATION					
		407	409	Uncertainty	Measurement conditions.
Noise at the operator station	LpA	78 dB	76 dB	+/- 1 dB	Determined in accordance with the test method defined in ISO 6396 and the dynamic test condition defined on 2000/14/EC.
Noise emission from the machine LWA	l01 dB	l01 dB		+/- 1 dB	Guaranteed equivalent sound power (external noise) determined in accordance with the dynamic test conditions defined in 2000/14/EC.
Whole body vibration	m/s ²	0.59	0.59	+/- 0.11 dB	ISO 2631-1:1997 normalised to an 8h reference period and based upon a test cycle comprising of loader work (soil).
Hand-arm vibration	m/s ²	<2.5	<2.5	N/A	ISO 5349-2:2001 dynamic test conditions.