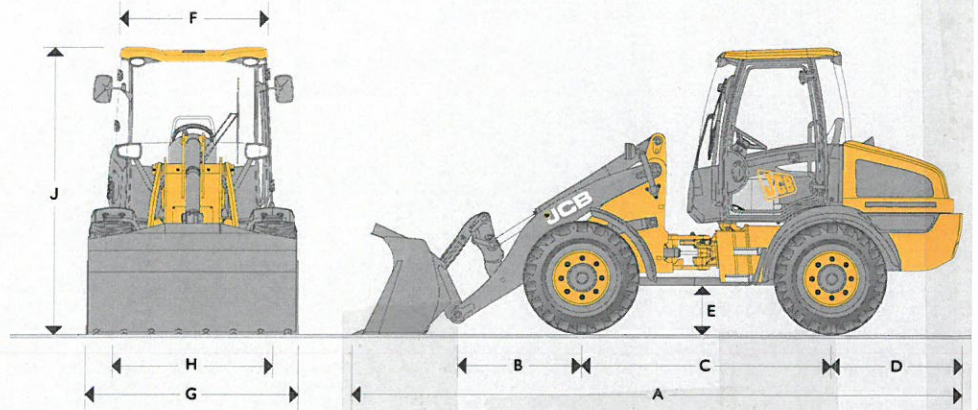


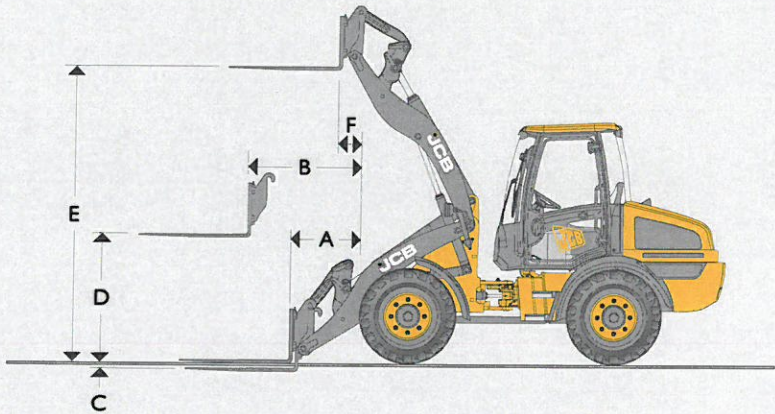
STATIC DIMENSIONS



A	Overall Length	mm	409
B	Axle to pivot pin	mm	5465
C	Wheel Base	mm	1130
D	Axle to counterweight face	mm	2205
E	Minimum ground clearance	mm	1295
F	Width over cab	mm	472
G	Width over tyres	mm	1468
H	Wheel track	mm	1490
J	Height Over Cab	mm	1950
	Front axle weight	kg	2643
	Rear axle weight	kg	1850
	Total weight	kg	4076
	Inside Turn Radius	mm	5926
	Maximum Turn Radius over Shovel	mm	2079
	Articulation Angle	deg	4432
	Maximum radius over tyre	mm	±40°
	Max. width across tyres	mm	3979
			1900

406/407 data based on machine equipped with pin mounted 0.8m³ bucket with toe plates and Solideal SLR4 12.5-18 tyres.
 409 data based on machine equipped with pin mounted 1.0 m³ bucket with toe plates and Goodyear SGL 16.0/70-20 tyres.

LOADER DIMENSIONS – FORK FRAME WITH FORKS



Parallel fork

409

Fork carriage width	mm	1345
Length of tines	mm	1200
A Reach at ground level	mm	724
B Reach at arms horizontal	mm	1187
C Below ground level	mm	17
D Arms, horizontal height	mm	1396
E Arms, maximum height	mm	3231
F Reach at maximum height	mm	231
Payload*	kg	2366
Tipping load straight	kg	3787
Tipping load full turn (40°)	kg	2907
Attachment weight	kg	191

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

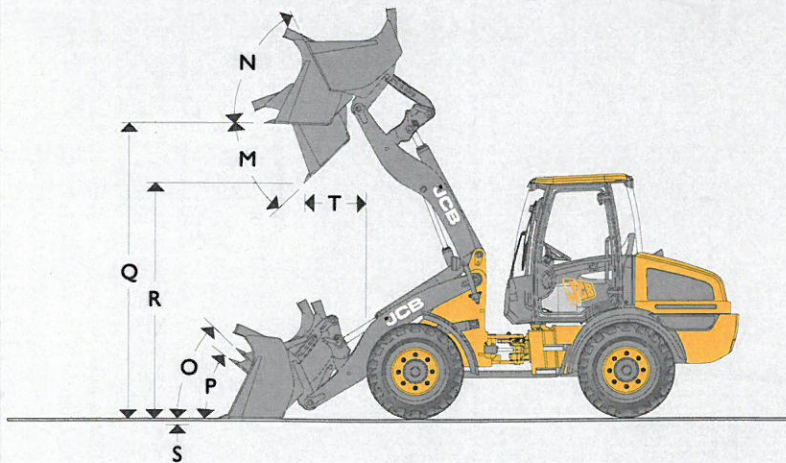
*FTL from calculation may vary after test work.

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

HEELLED LOADING SHOVEL SPECIFICATION

LOADER DIMENSIONS

Model (assumes machine is fitted with Solideal SLR4 12.5-18 tyres)		409				
Bucket type		General purpose	General purpose	Light duty	Light duty	6 in 1 clam shovel
Bucket equipment		Teeth or toeplate		Toeplate		Teeth or toeplate
Bucket capacity (SAE heaped)	m ³	1	1.2	1.4	1.6	0.9
Bucket width	mm	1950	1950	2100	2200	1950
Bucket weight	kg	332	358	399	434	436
Maximum material density	kg/m ³	1957	1602	1346	1157	2090
Tipping load straight	kg	4583	4503	4415	4337	3830
Tipping load full turn	kg	3648	3584	3513	3452	3507
Payload	kg	1824	1792	1756	1725	1754
Maximum breakout force	kN	53.8	46.6	43.1	41.6	50.8
M Dump angle maximum	degrees	45	45	45	45	45
N Roll back angle full height	degrees	63.6	63.6	63.6	63.6	63.6
O Roll back at carry	degrees	53.1	53.1	53.1	53.1	53.1
P Roll back at ground level	degrees	41	41	41	41	41
Q Load over height	mm	3189	3189	3189	3189	3189
R Dump height (45 deg dump)	mm	2619	2552	2500	2446	2609
S Dig depth	mm	60	60	60	60	60
T Reach at dump height	mm	523	599	652	705	523
Reach maximum (45deg dump) – horizontal arm	mm	523	599	652	705	523
Operating weight (includes 80Kg operator and full fuel tank)	kg	5927	5953	5994	6029	6031



ENGINE

409	
Type	4 stroke, Electronic Common Rail
Model	JCB Diesel by Kohler KDI 2504 TCR
Capacity	litres 2.482
Aspiration	Turbocharged
Cylinders	4
Max gross power to SAE J1995/ISO 14396	kW (hp) 55.4 (74) @ 2200rpm
Max torque	Nm @ 1500rpm 300
Emissions	Stage IIIB & T4F

TRANSMISSION

409	
Type	Hydrostatic
Model	Rexroth A6VM – 2 speed
Model (40kph options)	Rexroth A6VM – 3 speed
Low range	kph 6
High range	kph 20
High speed (optional)	kph 40

AXLES

409	
Type	Crash beam
Make and model	Dana 111

STEERING

Hydraulic power steering system emergency steering.