

# LOADED WITH SUCCESS

## JCB 437.4 WHEEL LOADER



**10%\*** Better  
Fuel Efficiency



**15%\*** More  
Cabin Space



**500** Hours  
Engine Oil &  
Filter Change



**560Nm**  
High Peak  
Torque Engine

Advanced  
**LIVE JCB LINK**  
4.0

Stay Connected 24x7

Powered by

JCB ENGINE  
eCOMAX



CEV  
STAGE IV

INTELLI  
LOAD

To know more



Scan the QR code

Engine power: 108kW (145hp) | Operating weight: 12,040kg  
Payload: 3,650kg | Standard shovel range: 2.2 m<sup>3</sup>

\*Against the previous BS-III 432ZX Plus,  
tested under controlled environment. T&C Apply.



## SPECIFICATION: JCB WHEEL LOADER 437-4

### ENGINE

Make & model	JCB ecoMax 448
Type	4 stroke, direct injection, Water cooled, 4 cylinder, Turbo charged, after cooler with after treatment system
Displacement	4.88 L
Gross power	108 kW (145 HP) @ 2200 rpm
Max. torque	560 Nm @ 1500 rpm
Emission Norms	CEV Stage IV

### HYDRAULIC SYSTEM

Axial piston pump with load sensing and priority valve. Twin spool remote mounted valve block with float. Main services are servo actuated from hydraulic remote lever (joystick) and loader control through accumulator backup hydraulic supply unit.

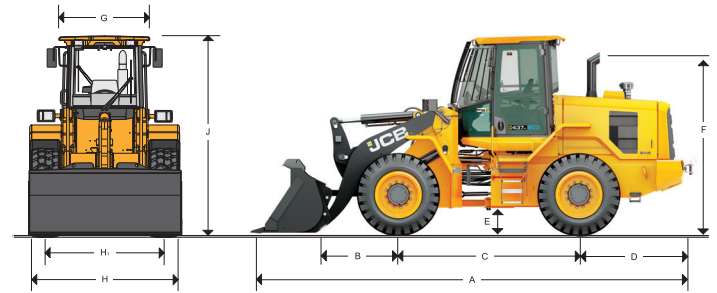
Pump displacement	80 cc/rev and 34.56 cc/rev
System pressure	245 bar
Pump flow	176 lpm

### SERVICE CAPACITIES

Hydraulic system	L	210
Fuel tank	L	210
Engine oil	L	14
Cooling system	L	29
Transmission	L	36
Front axle oil	L	26
Rear axle oil	L	26
DEF tank	L	20

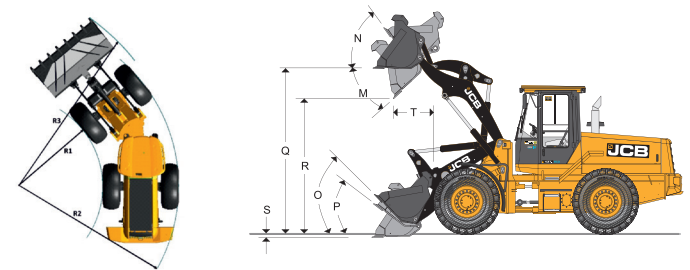
### TYRES

Standard	17.5 x 25 (20PR) E3/L3 (Heavy-duty)
Optional	20.5 x 25 (16PR) L3 (Tubeless)



### STATIC DIMENSIONS

A	Overall length with bucket	m	7.51
B	Axle to pivot pin	m	1.20
C	Wheel base	m	3.00
D	Axle to tow hitch on counterweight	m	1.91
E	Minimum ground clearance	mm	380
F	Height over exhaust	m	2.99
G	Width over cab	m	1.53
H	Width over tyres	m	2.40
HI	Wheel track	m	1.96
J	Height over cab	m	3.26



### WORKING RANGE 437-4 STANDARD

		335/B6693	402/K1065	336/F5101	402/L3266	335/B6606	335/B6534	336/F3615	400/Y8488	401/D8780
Shovel equipment		Rock bucket	Iron ore bucket	Welded teeth			With teeth	Bolt on toe plate	Welded teeth	Welded teeth hardox
Bucket capacity (ISO/SAE heaped)	m <sup>3</sup>	1.8	1.8	2.2	2.4	2.7	3.1	3.4	3.4	2.2
Bucket capacity (Stuck)	m <sup>3</sup>	1.49	1.48	1.84	2.08	2.25	2.58	3.01	2.97	1.84
Bucket width	m	2.58	2.58	2.66	2.73	2.78	2.80	2.89	2.89	2.66
Bucket weight	kg	1102	1002	988	1176	1260	1201	1341	1284	1005
Max. allowed material density	kg/m <sup>3</sup>	1950	1833	1660	1522	1280	1160	980	1003	1655
Tipping load straight	kg	7799	8100	8030	7867	7678	7935	7304	7502	8010
Tipping load full turn	kg	7090	7364	7300	7152	6980	7214	6640	6820	7282
Payload	kg	3545	3682	3650	3576	3490	3607	3320	3410	3641
Maximum breakout force	kN	117	129	121	127	116	103	99	103	121
Operating weight	kg	12154	12054	12040	12228	12312	12253	12397	12336	12057
M Dump angle maximum	deg	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
N Roll back angle full height	deg	52	52	52	52	52	52	52	52	52
O Roll back at carry	deg	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
P Roll back at ground level	deg	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
Q Load over height	m	3.58	3.58	3.58	3.59	3.59	3.59	3.56	3.58	3.58
R Dump height (Max dump)	m	2.70	2.76	2.71	2.75	2.69	2.60	2.67	2.60	2.71
R1 Inside radius	m	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92	2.92
R2 Maximum radius over tyre size 17.5X25	m	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32	5.32
R3 Maximum radius over shovel	m	5.92	5.94	5.95	5.99	6.08	6.12	6.14	6.13	5.95
S Dig depth	mm	65	65	67	58	58	65	92	66	67
T Reach @ dump height	m	1.29	1.22	1.27	1.24	1.31	1.39	1.26	1.39	1.27
Reach maximum (45° dump) arm horizontal	m	2.02	1.96	2.00	1.97	2.04	1.98	1.99	2.12	2.00
Pin Height maximum	m	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83

### EXCEEDING EXPECTATIONS EVERYWHERE

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**3000+**  
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**250+** Service vans

**24x7 Support**  
12 Languages

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