

SPECIFICATION



WHEEL LOADER | 411/417 AGRI

Operating weight: 8722kg/9602kg Gross engine power: 81kW (109hp)/97kW (130hp)
Full turn tipping load: 5451kg/6042kg Standard shovel capacity: 1.4m³/1.6m³



FULLY LOADED.

The new JCB 411 and 417 Agri Stage V wheel loaders are fully loaded with new and innovative features: A powerful and efficient 4.8 litre DieselMAX engine. Improved fuel efficiency with new Autostop engine idle shutdown feature. A 4-speed JCB Powershift transmission and one of the most comfortable and operator friendly cabs on the market with unbeatable visibility. With over 50 years of proven wheel loader production, we're confident you'll be fully impressed with our latest models.

FULLY PRODUCTIVE.

The new 411 and 417 Agri wheel loaders are designed to provide fast cycle times with a powerful hydraulic pump, a load sensing valve block and 4-speed transmission as standard.

FULLY POWERED.

The new Stage V DieselMAX engine boasts power aplenty, delivering up to 130hp (97kW), while its efficient, smooth driveline and low fuel consumption help make your decision to buy JCB even easier.

FULLY IN COMMAND.

The JCB CommandPlus cab is one of the best cabs on the market featuring an optimal control layout and driver position for greater comfort, visibility and productivity.

FULLY SERVICABLE.

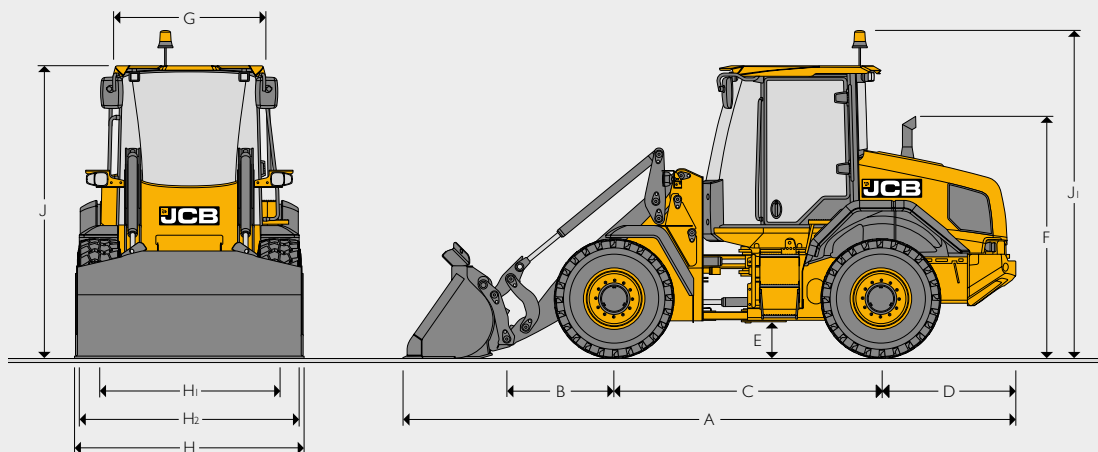
A one-piece bonnet, ground level access to key components, LiveLink telematics and world-class aftercare come as standard on the new 411 and 417 Agri machines, all helping to maximise your uptime.

FULLY TESTED.

The new 411 and 417 Agri machines have been built using the most advanced production techniques and premium componentry for superior structural strength, and tested to the limit on sites around the world.



STATIC DIMENSIONS



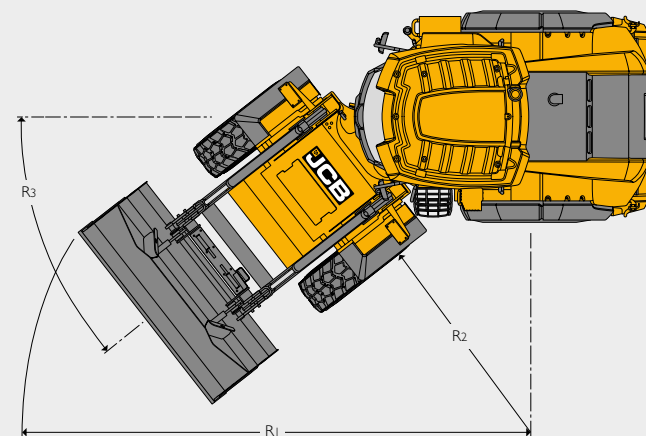
STATIC DIMENSIONS

| | | 411 | 417 | 417 HL | |
|----|----------------------------|-----|------|--------|------|
| A | Overall length | mm | 6229 | 6290 | 6491 |
| B | Axle to pivot pin | mm | 1226 | 1110 | 1311 |
| C | Wheelbase | mm | 2750 | 2800 | 2800 |
| D | Axle to counterweight face | mm | 1365 | 1365 | 1365 |
| E | Minimum ground clearance | mm | 344 | 371 | 371 |
| F | Height over exhaust | mm | 2575 | 2656 | 2656 |
| G | Width over cab | mm | 1431 | 1431 | 1431 |
| H | Maximum width over tyres | mm | 2204 | 2339 | 2339 |
| H1 | Wheel track | mm | 1800 | 1880 | 1880 |
| J | Height over cab | mm | 3057 | 3084 | 3084 |
| J1 | Height over raised beacon | mm | 3403 | 3484 | 3484 |
| | Front axle weight | kg | 3328 | 3790 | 3891 |
| | Rear axle weight | kg | 5517 | 5977 | 5936 |
| | Total weight | kg | 8845 | 9767 | 9827 |

411 data based on machine equipped with direct mounted 1.2 m³ bucket with toe plates and Michelin 15.5R25 XHA (L3) tyres.

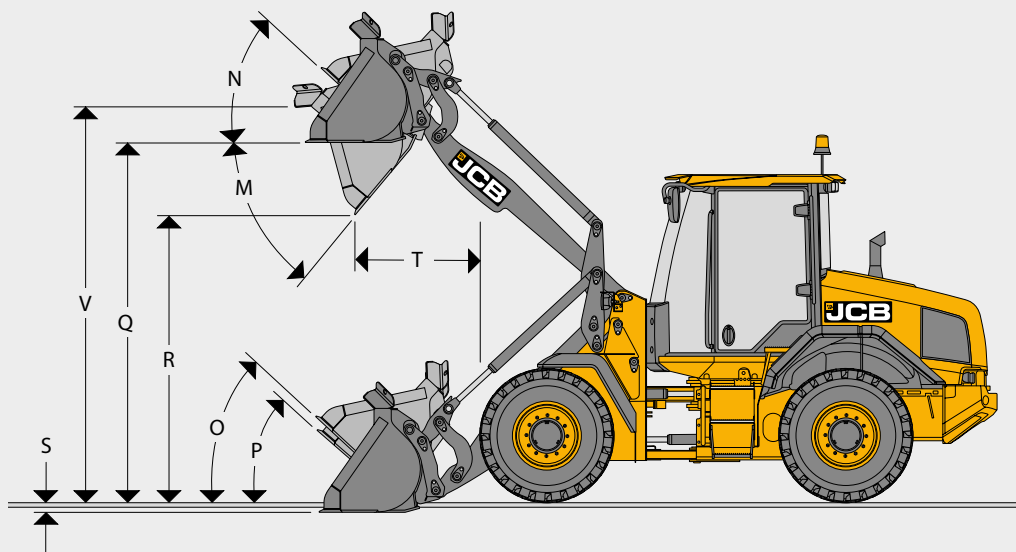
417 data based on machine equipped with direct mounted 1.6 m³ bucket with toe plates and Michelin 17.5R25 XHA2 (L3) tyres.

TURNING CIRCLE



TURNING CIRCLE

| | | | 411 | 417 | 417 HL |
|----|-----------------------------|-----|-------|-------|--------|
| R1 | Max Turn Radius over Shovel | mm | 5351 | 5519 | 5519 |
| R2 | Inside Turn Radius | mm | 2658 | 2705 | 2705 |
| R3 | Articulation Angle | deg | +/-40 | +/-40 | +/-40 |



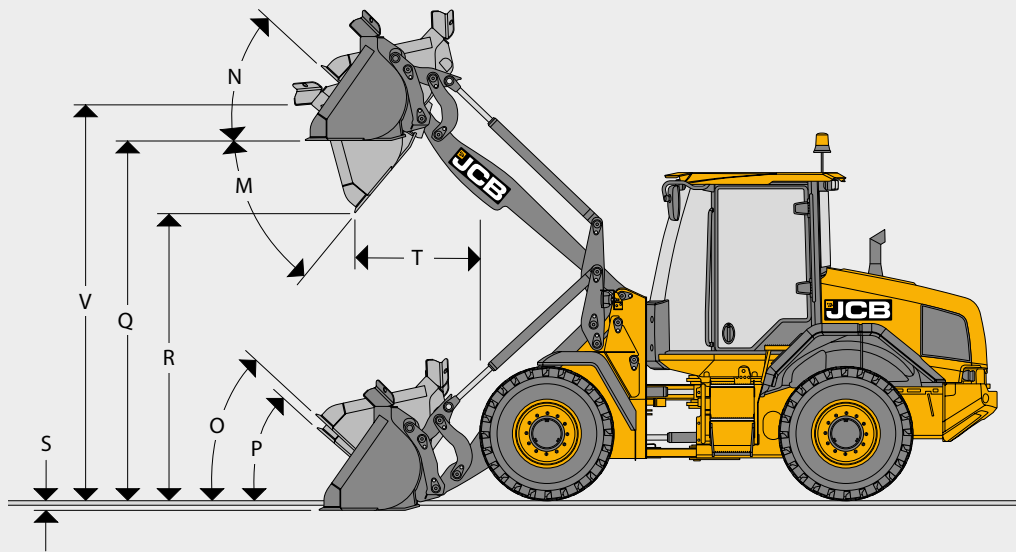
TYRE SIZE 411 AGRI

| Tyre size | Manufacturer | Type | Rating | Operating weight (kg) | Dimensions | | | |
|-----------|--------------|---------------|--------|-----------------------|------------|----------|-------------|----------|
| | | | | | STL kg | F TTL kg | Vertical mm | Width mm |
| 15.5-25 | Goodyear | SGL D/L12 Ply | L2 | -132 | -88 | -75 | -9 | -5 |
| 15.5-25 | Goodyear | HRL D/L12 Ply | L3 | -60 | -40 | -34 | 14 | -5 |
| 15.5R25 | Michelin | XTLA | L2 | -44 | -29 | -25 | -2 | -7 |
| 17.5R25 | Michelin | SNOPLUS | L2 | 276 | 184 | 156 | 25 | 84 |
| 17.5R25 | Michelin | XTLA | L2 | 224 | 149 | 127 | 21 | 95 |
| 15.5R25 | Nokian | LOADER GRIP 2 | L3 | -56 | -37 | -31 | 3 | -10 |
| 17.5R25 | Nokian | LOADER GRIP | L2 | 208 | 138 | 117 | 39 | 81 |

LOADER DIMENSIONS 411

| Model | 411 | | | | | | | | | | |
|--|-------------------|-----------------|---------------------|------|------|--------------|-----------------|---------------------|------|------|------|
| | | Direct | | | | | Quickhitch | | | | |
| | | General purpose | | | | | General purpose | | | | |
| Shovel mounting | | | | | | | | | | | |
| Shovel type | | | | | | | | | | | |
| Shovel equipment | Tipped teeth | | Reversible toeplate | | | Tipped teeth | | Reversible toeplate | | | |
| Shovel capacity (SAE heaped 100%) | m ³ | 1.2 | 1.4 | 1.2 | 1.4 | 1.6 | 1.2 | 1.4 | 1.2 | 1.4 | 1.6 |
| Shovel capacity (struck) | m ³ | 1.01 | 1.18 | 1.01 | 1.18 | 1.36 | 1.01 | 1.18 | 1.01 | 1.18 | 1.36 |
| Shovel width | mm | 2250 | 2400 | 2250 | 2400 | 2400 | 2250 | 2400 | 2250 | 2400 | 2400 |
| Shovel weight | kg | 528 | 603 | 528 | 603 | 638 | 505 | 580 | 505 | 580 | 614 |
| Maximum material density * | kg/m ³ | 2328 | 1947 | 2328 | 1947 | 1677 | 2224 | 1851 | 2224 | 1851 | 1591 |
| Tipping load straight * | kg | 6537 | 6392 | 6537 | 6392 | 6299 | 6276 | 6106 | 6276 | 6106 | 6005 |
| Tipping load full turn * | kg | 5585 | 5451 | 5585 | 5451 | 5366 | 5337 | 5182 | 5337 | 5182 | 5091 |
| Payload * | kg | 2793 | 2726 | 2793 | 2726 | 2683 | 2669 | 2591 | 2669 | 2591 | 2546 |
| Maximum breakout force | kN | 73.2 | 67.7 | 73.2 | 67.7 | 62.7 | 67.2 | 62.3 | 67.2 | 62.3 | 57.1 |
| M Dump angle maximum | degrees | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 47 |
| N Roll back angle full height | degrees | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 |
| O Roll back at carry | degrees | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 | 46 |
| P Roll back at ground level | degrees | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| Q Load over height | mm | 3344 | 3346 | 3344 | 3346 | 3345 | 3363 | 3365 | 3363 | 3365 | 3366 |
| R Dump height (45 deg dump) | mm | 2780 | 2718 | 2780 | 2718 | 2668 | 2749 | 2687 | 2749 | 2687 | 2638 |
| S Dig depth | mm | 132 | 130 | 132 | 130 | 131 | 113 | 113 | 113 | 113 | 113 |
| T Reach at dump height | mm | 926 | 978 | 926 | 978 | 1030 | 980 | 1042 | 980 | 1042 | 1084 |
| V Pin height (maximum) | mm | 3569 | 3569 | 3569 | 3569 | 3569 | 3569 | 3569 | 3569 | 3569 | 3569 |
| Reach maximum (45 deg dump) horizontal arm | mm | 1661 | 1724 | 1661 | 1724 | 1774 | 1719 | 1782 | 1719 | 1782 | 1832 |
| Operating weight (includes 80kg operator and full fuel tank (includes auxiliary tank)) | kg | 8655 | 8722 | 8655 | 8722 | 8756 | 8864 | 8931 | 8864 | 8931 | 8965 |

* Assumes machine is fitted with Michelin 15.5R25 XHA tyres.



TYRE SIZE 417 AGRI

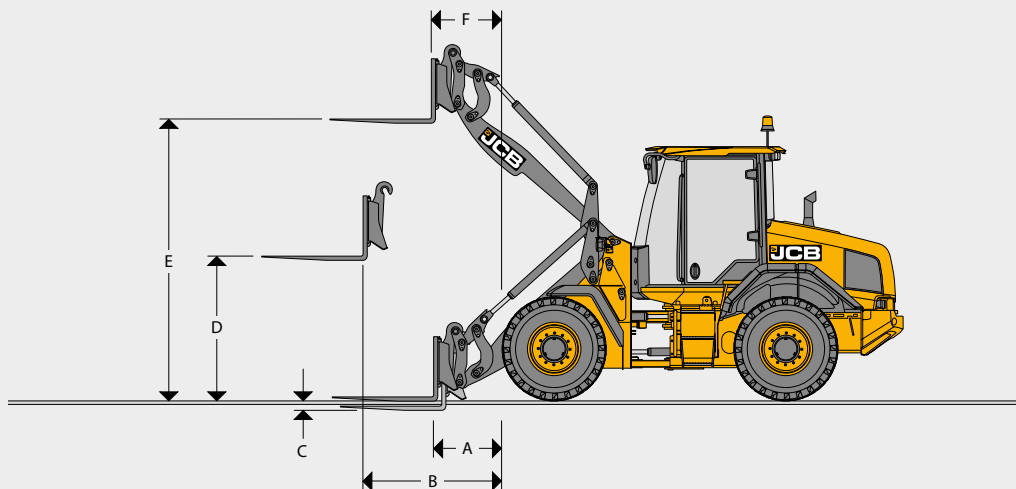
| Tyre size | Manufacturer | Type | Rating | Operating weight (kg) | 417 | | 417 HL | | Dimensions | |
|-------------|--------------|-------------|--------|-----------------------|--------|----------|--------|----------|-------------|----------|
| | | | | | STL kg | F TTL kg | STL kg | F TTL kg | Vertical mm | Width mm |
| 17.5-25 | Goodyear | SGL | L2 | -184 | -125 | -106 | -118 | -100 | 2 | 9 |
| 17.5-25 | Goodyear | HRL | L3 | -52 | -35 | -30 | -33 | -28 | 15 | 2 |
| 17.5-25 | Michelin | XTLA | L3 | -92 | -62 | -53 | -59 | -50 | -6 | 11 |
| 17.5-25 | Michelin | XSNOPPLUS | L2 | -40 | -27 | -23 | -26 | -22 | -2 | 0 |
| 17.5-25 | JCB | Earthmover | L3 | 104 | 70 | 60 | 66 | 57 | 31 | -1 |
| 500/70R24 | Michelin | XMCL | | -196 | -133 | -113 | -125 | -106 | 1 | 163 |
| 17.5R25 | Nokian | L GRIP | L2 | -108 | -73 | -62 | -69 | -59 | 12 | -3 |
| 17.5R25 | BKT | XL GRIP | L3 | -68 | -46 | -39 | -43 | -37 | 40 | -3 |
| 600/55R26.5 | Trelleborg | Twin Radial | Radial | 140 | 95 | 81 | 90 | 77 | 23 | 388 |
| 20.5-25 | Michelin | XHA | L3 | 504 | 342 | 291 | 324 | 277 | 62 | 180 |

LOADER DIMENSIONS 417

| Model | 417 | | | | | | | | 417 HL | | | | | | | | |
|--|-----------------|------|---------------------|------|-----------------|------|---------------------|------|-----------------|------|---------------------|------|-----------------|------|---------------------|------|------|
| | Direct | | | | Quickhitch | | | | Direct | | | | Quickhitch | | | | |
| | General purpose | | | | General purpose | | | | General purpose | | | | General purpose | | | | |
| Shovel mounting | Tipped teeth | | Reversible toeplate | | Tipped teeth | | Reversible toeplate | | Tipped teeth | | Reversible toeplate | | Tipped teeth | | Reversible toeplate | | |
| Shovel capacity (SAE heaped 100%) | m³ | 1.4 | 1.6 | 1.4 | 1.6 | 1.4 | 1.6 | 1.4 | 1.6 | 1.4 | 1.6 | 1.4 | 1.6 | 1.4 | 1.6 | 1.4 | 1.6 |
| Shovel capacity (struck) | m³ | 1.18 | 1.36 | 1.18 | 1.36 | 1.18 | 1.36 | 1.18 | 1.36 | 1.18 | 1.36 | 1.18 | 1.36 | 1.18 | 1.36 | 1.18 | 1.36 |
| Shovel width | mm | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 | 2400 |
| Shovel weight | kg | 658 | 698 | 680 | 720 | 643 | 683 | 665 | 705 | 658 | 698 | 680 | 720 | 643 | 683 | 665 | 705 |
| Maximum material density * | kg/m³ | 2189 | 1888 | 2189 | 1888 | 2088 | 1802 | 2088 | 1802 | 2039 | 1760 | 2039 | 1760 | 1945 | 1668 | 1945 | 1668 |
| Tipping load straight * | kg | 7236 | 7141 | 7236 | 7141 | 6932 | 6844 | 6932 | 6844 | 6748 | 6666 | 6748 | 6666 | 6469 | 6392 | 6469 | 6392 |
| Tipping load full turn * | kg | 6129 | 6042 | 6129 | 6042 | 5847 | 5767 | 5847 | 5767 | 5707 | 5632 | 5707 | 5632 | 5445 | 5337 | 5445 | 5337 |
| Payload * | kg | 3065 | 3021 | 3065 | 3021 | 2924 | 2884 | 2924 | 2884 | 2854 | 2816 | 2854 | 2816 | 2723 | 2669 | 2723 | 2669 |
| Maximum breakout force | kN | 70 | 64.6 | 70 | 64.6 | 64.9 | 59.9 | 64.9 | 59.9 | 70 | 64.6 | 70 | 64.6 | 64.9 | 59.9 | 64.9 | 59.9 |
| M Dump angle maximum | degrees | 50 | 50 | 50 | 50 | 51 | 50 | 51 | 50 | 47 | 47 | 47 | 47 | 47 | 46 | 47 | 46 |
| N Roll back angle full height | degrees | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| O Roll back at carry | degrees | 44 | 44 | 44 | 44 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 | 43 |
| P Roll back at ground level | degrees | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 42 | 42 | 42 | 42 | 42 | 42 | 42 | 42 |
| Q Load over height | mm | 3341 | 3343 | 3341 | 3343 | 3339 | 3358 | 3339 | 3358 | 3559 | 3554 | 3559 | 3554 | 3568 | 3567 | 3568 | 3567 |
| R Dump height (45 deg dump) | mm | 2714 | 2666 | 2714 | 2666 | 2661 | 2631 | 2661 | 2631 | 2930 | 2878 | 2930 | 2878 | 2890 | 2839 | 2890 | 2839 |
| S Dig depth | mm | 110 | 109 | 110 | 109 | 92 | 92 | 92 | 92 | 116 | 111 | 116 | 111 | 96 | 96 | 96 | 96 |
| T Reach at dump height | mm | 930 | 973 | 930 | 973 | 993 | 1031 | 993 | 1031 | 986 | 1034 | 986 | 1034 | 1046 | 1097 | 1046 | 1097 |
| V Pin height (maximum) | mm | 3566 | 3566 | 3566 | 3566 | 3566 | 3566 | 3566 | 3566 | 3946 | 3946 | 3946 | 3946 | 3946 | 3946 | 3946 | 3946 |
| Reach maximum (45 deg dump) horizontal arm | mm | 1639 | 1688 | 1639 | 1688 | 1697 | 1746 | 1697 | 1746 | 1790 | 1839 | 1790 | 1839 | 1848 | 1897 | 1848 | 1897 |
| Operating weight (includes 80kg operator and full fuel tank (includes auxiliary tank)) | kg | 9567 | 9602 | 9567 | 9602 | 9777 | 9812 | 9777 | 9812 | 9617 | 9652 | 9617 | 9652 | 9827 | 9862 | 9827 | 9862 |

* Assumes machine is fitted with Michelin 17.5 R25 XHA tyres.

LOADER DIMENSIONS – FORK FRAME WITH FORKS



LOADER DIMENSIONS – FORK FRAME WITH FORKS

| | | Parallel fork | | | Non parallel fork | | |
|------------------------------|----|---------------|------|--------|-------------------|------|--------|
| | | 411 | 417 | 417 HL | 411 | 417 | 417 HL |
| Fork carriage width | mm | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 |
| Length of tines | mm | 1220 | 1220 | 1220 | 1220 | 1220 | 1220 |
| A Reach at ground level | mm | 924 | 787 | 969 | 923 | 785 | 984 |
| B Reach at arms horizontal | mm | 1527 | 1459 | 1590 | 1512 | 1447 | 1596 |
| C Below ground level | mm | 78 | 57 | 55 | 62 | 68 | 64 |
| D Arms, horizontal height | mm | 1671 | 1745 | 1744 | 1626 | 1735 | 1735 |
| E Arms, maximum height | mm | 3395 | 3395 | 3618 | 3414 | 3385 | 3599 |
| F Reach at maximum height | mm | 823 | 829 | 806 | 776 | 817 | 819 |
| Payload* | kg | 3360 | 3722 | 3482 | 3477 | 3714 | 3466 |
| Tipping load straight | kg | 4948 | 5480 | 5172 | 5093 | 5505 | 5150 |
| Tipping load full turn (40°) | kg | 4200 | 4653 | 4353 | 4346 | 4642 | 4333 |
| Attachment weight | kg | 435 | 435 | 435 | 430 | 430 | 430 |

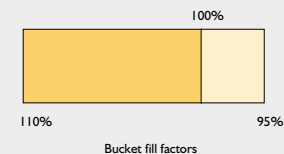
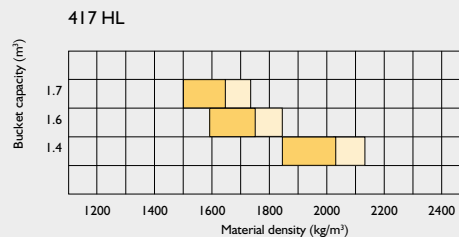
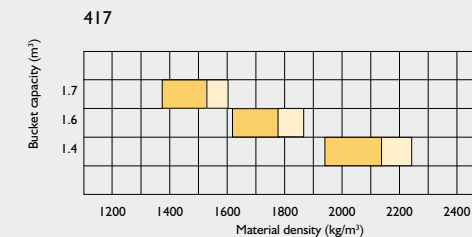
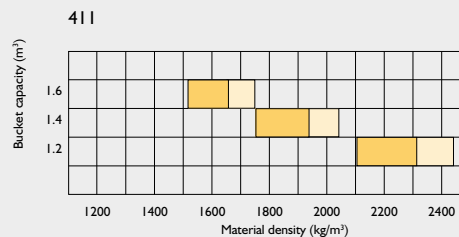
Assumes the fitment of Michelin 15.5R25 XHLA (L3) tyres for 411 and Michelin 17.5R25 XHA (L3) tyres for 417.

Manual fork spacing's at 50mm increments. Fork section 100mm x 50mm.

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

BUCKET SELECTOR

| Material | Loose density (kg/m ³) | Fill factor (%) |
|------------------------------|------------------------------------|-----------------|
| Snow (fresh) | 200 | 110 |
| Peat (dry) | 400 | 100 |
| Sugar beet | 530 | 100 |
| Coke (loose) | 570 | 85 |
| Barley | 600 | 85 |
| Petroleum coke | 680 | 85 |
| Wheat | 730 | 85 |
| Coal bituminous | 765 | 100 |
| Fertiliser (mixed) | 1030 | 85 |
| Coal anthracite | 1046 | 100 |
| Earth (dry) (loose) | 1150 | 100 |
| Nitrate fertiliser | 1250 | 85 |
| Sodium chloride (dry) (salt) | 1300 | 85 |
| Cement Portland | 1440 | 100 |
| Limestone (crushed) | 1530 | 100 |
| Sand (dry) | 1550 | 100 |
| Asphalt | 1600 | 100 |
| Gravel (dry) | 1650 | 85 |
| Clay (wet) | 1680 | 110 |
| Sand (wet) | 1890 | 110 |
| Fire clay | 2080 | 100 |
| Copper (concentrate) | 2300 | 85 |
| Slate | 2800 | 100 |
| Magnetite | 3204 | 100 |



| ENGINE | | | |
|---------------------|--------------------|---|---|
| | | 411 | 417 |
| Manufacturer | | JCB DieselMax | JCB DieselMax |
| Model | | JCB DieselMax | JCB DieselMax |
| Capacity | litres | 4.8 | 4.8 |
| Cylinders | | 4 | 4 |
| Bore | mm | 106 | 106 |
| Stroke | mm | 139 | 139 |
| Aspiration | | Turbo charged | Turbo charged |
| Max Power | kW (hp) @ 2200 rpm | 81 (109) | 97 (130) |
| Rated Power | kW (hp) @ 2200 rpm | 81 (109) | 97 (130) |
| Power @ Max Torque | kW (hp) @ 1500 rpm | 78.4 (105) | 88 (118) |
| Max Torque | Nm | 516@1450 | 550@1500 |
| Valves per cylinder | | 4 | 4 |
| Air cleaner | | Cyclonic Pre filter | Cyclonic Pre filter |
| Fan drive type | | Standard: Viscous Drive Fan Option: Hydraulic (Auto Reverse) | Standard: Viscous Drive Fan Option: Hydraulic (Auto Reverse) |
| Emissions | | Stage V | Stage V |

| TRANSMISSION | | | | | |
|-------------------------------|-----|-------------------------|---------|---------|---------|
| | | 411 | | 417 | |
| | | Smooth shift Powershift | | | |
| Type / Model | | ZF 4WG115 | | | |
| Torque convertor stall ration | | 3.01:1 | | 2.3:1 | |
| | | Forward | Reverse | Forward | Reverse |
| 40kph | | | | | |
| 1 st gear | kph | 5.5 | 5.8 | 5.4 | 5.7 |
| 2 nd gear | kph | 13 | 13.7 | 12.8 | 13.5 |
| 3 rd gear | kph | 28.8 | 30.1 | 28.4 | 29.8 |
| 4 th gear | kph | 40 | - | 40 | - |

| LOADER HYDRAULICS | | | |
|--|---------|------------------|--------------------------------|
| | | 411 | 417 |
| Pump type | | Double gear pump | Variable placement piston pump |
| Pump 1 maximum flow | l/min | 50.6 | 156 |
| Pump 1 maximum pressure | bar | 220 | 240 |
| Pump 2 maximum flow | l/min | 72.6 | - |
| Pump 2 maximum pressure | bar | 230 | - |
| Hydraulic cycle times at full engine revs | | 411 | 417 |
| Arms raise (full bucket) | Seconds | 5.0 | 4.9 |
| Bucket dump (full bucket) | Seconds | 1.1 | 2.1 |
| Arms lower (empty bucket) | Seconds | 3.7 | 3.3 |
| Total cycle | Seconds | 9.8 | 10.3 |

| AXLES | | | |
|--------------------------|--------------|-------------------------|--|
| 411 | | | |
| Type | | Epicyclic hub reduction | |
| Make & model | Standard fit | JCB PD70 (front & rear) | |
| Overall axle ratio 40kph | | 18.16:1 | |
| Rear axle oscillation | | ± 11° | |
| 417 | | | |
| Type | | Epicyclic hub reduction | |
| Make & model | Standard fit | JCB PD87 (front & rear) | |
| Overall axle ratio 40kph | | 20.18:1 | |
| Rear axle oscillation | | ± 11° | |

| | |
|-----------------|---|
| STEERING | Hydraulic power steering system with emergency steering. |
| BRAKES | Hydraulic power braking on all wheels. In board mounted, oil immersed, multi-plate disc brakes. Mechanically or Electro-Hydraulically activated disc type parking brake operating on transmission output shaft. |
| CAB | In-cab noise level – 68dB(A). External Noise 103dB(A). |

| ELECTRICAL SYSTEM | | | |
|-------------------|----------|---------|-----|
| | | 411 | 417 |
| System voltage | Volt | 24 | |
| Alternator output | Amp hour | 100 | |
| Battery capacity | Amp hour | 2 x 110 | |

| SERVICE FILL CAPACITIES | | | |
|-------------------------|--------|-----|-----|
| | | 411 | 417 |
| Hydraulic system | litres | 155 | |
| Fuel tank | litres | 116 | |
| Auxiliary fuel tank | litres | 111 | |
| DEF | litres | 20 | |

| NOISE AND VIBRATION | | | | |
|---------------------------------|------------------|-------------|-------------------------|---|
| | | Uncertainty | Measurement conditions. | |
| Noise at the operator station | LpA | 68 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 | 103 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 | 0.58 | +/- 0.11 dB | ISO 2632-1:1997 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 | N/A | ISO 5349-2:2001 dynamic test conditions. |

EQUIPMENT

SERVICE AND MAINTENANCE

| | |
|---|---|
| 5 year LiveLink telematics | • |
| Engine oil remote drain and fill | • |
| Grouped pressure test points | • |
| Lockable tool box | • |
| Lubrication points accessible from ground level | • |
| Transmission oil level sight gauge | • |
| Hydraulic level sight gauge | • |

ENGINE

| | |
|---|---|
| Air cleaner – cyclonic pre-filter with engine fan scavenge system | • |
| Fixed viscous mounted fan | • |
| Automatically reversing cooling fan | + |
| Crankcase breather oil trap | • |
| DEF fluid | • |
| Epoxy coated radiator / coolers | + |
| Fuel filter | • |
| Fuel pre-filter with water trap | • |
| Hydraulically driven cooling fan | • |
| -20° cold start | • |
| DPF / SCR engine emission control | • |
| Waste gated turbo | • |
| Widecore radiator | • |
| Auto engine idle shut down timer (in cab adjustable) | • |

ELECTRICAL

| | |
|---------------------------------------|---|
| 100 amp alternator | • |
| Amber rotating beacon | • |
| Green seatbelt beacon | + |
| Electrical adjustable mirrors | • |
| Heated mirrors | • |
| External battery isolator | • |
| Fold down beacon arm | • |
| Halogen front and rear working lights | • |
| Full road light kit | • |
| Integrated rear view camera | + |
| LED front and rear working lights | + |
| LED 360° work lights | + |
| Number plate light kit | + |
| Radio wiring and speakers | • |
| Reverse alarm | • |
| Smart reverse alarm | + |
| White noise reverse alarm and light | + |

DRIVE TRAIN

| | |
|---|---|
| 4 speed transmission 20kph | + |
| 4 speed transmission 40kph | + |
| Gear kick down on loader control lever | • |
| Loader lever direction control | • |
| Neutral start | • |
| Open differential | • |
| Limited slip differentials front and rear | + |
| Oscillating rear axle | • |
| Foot brake operated transmission disconnect (selectable) | • |
| Selectable automatic powershift | • |
| Speed limiter 20kph | + |
| Steering column single lever shift control (direction and gear) | • |
| Transmission cooler bypass | + |

BRAKE SYSTEM

| | |
|--|---|
| Multi-plate wet disc brakes | • |
| Parking disc brake on transmission output shaft | • |
| Mechanical hand operated park brake | • |
| Electrical hydraulic park brake | + |
| Independent accumulator backup for electric park brake | + |

OPERATOR STATION

| | |
|--|---|
| Fully glazed cab | • |
| Front windscreen guards | + |
| Air conditioning | • |
| Climate control | + |
| Single lever joystick | • |
| Multi-lever hydraulic controls | + |
| Proportional electro-hydraulic auxiliary control | + |
| Electronic adjustment of SRS (Smooth Ride System) cut-in speed | + |
| Electronic adjustment of reverse fan interval | + |
| Air suspension cloth seat | • |
| Deluxe heated air suspension cloth seat | + |
| Super deluxe heated & cooled air suspension half leather seat | + |
| Front roller blind | • |
| Rear roller blind | + |
| Cab air intake filter | • |
| Carbon cab air intake filter | + |
| 12V in cab power socket | • |
| 2 x 12V in cab power socket | + |
| 24V in cab power socket | + |
| Reversing camera (colour) | + |
| Fold away adjustable steering column | • |
| ROPS / FOPS safety structure | • |
| Interior light | • |

OPERATOR STATION (CONTINUED)

| | |
|---|---|
| Front primary display screen | • |
| Secondary B post display screen, rotary control menu interface | + |
| A post mounted membrane switches | • |
| 50 mm seatbelt | • |
| 75 mm seatbelt | + |
| Fire extinguisher (UK & USA only) | + |
| Two speed intermittent front windscreen wipe / wash and self-park | • |
| Single speed rear windscreen wipe/wash and self-park | • |
| 3 speed heater/demisting | • |
| LH and RH sliding opening windows | • |
| Floor mat | • |
| Cup holder | • |
| Steering wheel spinner knob | • |
| Internal rear view mirror | • |
| Tinted cab glass | • |
| Multimedia port (USB and 3.5mm) | + |
| Operator stowage | • |
| Laminated windscreen | • |
| Heated rear screen | • |
| Loader control isolator | • |
| Horn | • |
| Adjustable armrest | • |
| Removable storage rubber mats | • |

FRONT PRIMARY DISPLAY

Warning lights

| | |
|----------------------------|---|
| Direction indicators | • |
| Master warning | • |
| High coolant temperature | • |
| Battery charging condition | • |
| Low fuel level | • |
| Engine oil pressure | • |
| Hazard lamps | • |
| Park brake state | • |
| Road lights | • |
| Main beam lights | • |
| Rear fog lights | • |
| Engine pre-heat | • |
| Brake system pressure | • |
| Low steering pressure | • |

Buzzer alerts

| | |
|---|---|
| Engine air filter blocked | • |
| Diesel exhaust fluid (DEF) | • |
| Torque reduction in case of malfunction | • |
| Amber warning lamp | • |

EQUIPMENT

FRONT PRIMARY DISPLAY (CONTINUED)

| Guage display | |
|---|---|
| Engine speed | • |
| Coolant temperature | • |
| Fuel level | • |
| LCD screen display | |
| Current gear | • |
| Torque reduction in case of malfunction | • |
| Amber warning lamp | • |
| Diesel exhaust fluid (DEF) | • |
| Secondary steer system pressure | • |
| Steer mode | • |
| Ground speed | • |
| Engine Speed (numeric display) | • |
| Clock | • |
| Hydraulic state | • |
| SRS (Smooth Ride System) | + |
| Beacon | • |
| Front work lamps | • |
| Rear work lamps | • |
| Heated rear screen | • |
| Transmission sump temperature | • |
| Data screens | |
| DEF level | • |
| Hydraulic oil temperature | • |
| Torque convertor temperature | • |
| Volume of fuel remaining | • |
| Total fuel used (resettable) | • |
| Instantaneous fuel use | • |
| Average fuel use (resettable) | • |
| Current date | • |
| Machine hours | • |
| Trip distance (resettable) | • |
| Hours to service | • |
| Daily checks | • |
| Engine oil level | • |
| DEF level | • |
| RIGHT HAND SECONDARY DISPLAY - OPTIONAL | |
| Clock | • |
| Climate control | • |
| Fan speed | • |
| In-cab temperature set | • |
| Machine hours | • |
| Rear view camera | • |
| Fuel use | • |

RIGHT HAND SECONDARY DISPLAY - OPTIONAL (CONTINUED)

| Time and date | • |
|--|---|
| Auxiliary flow rate | + |
| Hydraulic oil temperature | • |
| Transmission oil temperature | • |
| Machine settings screen | |
| Coolant temperature | • |
| Engine oil pressure | • |
| Air filter | • |
| Transmission sump temperature | • |
| Transmission torque convertor temperature | • |
| Hydraulic oil temperature | • |
| Battery voltage | • |
| Help display | • |
| On-screen handbook | • |
| HYDRAULIC SYSTEM | |
| Smoothride system (SRS) | + |
| Hydraulic quickhitch with in-cab isolation | + |
| Auxiliary ARV kit | + |
| Auxiliary hydraulic service | + |
| Twin auxiliary hydraulic service | + |
| Emergency steer back-up | • |
| JCB biodegradable hydraulic oil | + |
| Electronic hydraulic isolation | • |
| Automatic boom kick-out. Detent | • |
| Automatic bucket positioner | • |
| Front loader float | • |
| Hydraulic oil cooler | • |
| EXTERNAL EQUIPMENT | |
| Front and rear fenders | • |
| Front adjustable mud flaps | • |
| Front wheel spray guards | • |
| Automatic greasing system | + |
| Grease gun and cartridge | + |
| Mesh air intake screens | • |
| Flexible bottom step | • |
| Full width rear counterweight | • |
| Chevron rear counterweight | + |
| Recovery hitch | • |
| Lifting / tie down lugs | • |
| Auxiliary fuel tank | + |

PROTECTIVE EQUIPMENT

| Front cab screen guards | + |
|---------------------------------|---|
| Rear grille guard | + |
| Loader arm safety strut | • |
| Light guards | + |
| Belly guard kit | + |
| Articulation joint safety strut | • |
| OTHER EQUIPMENT | |
| High lift loader end (417 only) | + |

STANDARD •

OPTIONAL +



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