# F-SERIES WHEEL LOADERS 721F | 821F





TIER 3
EUSTAGE IIIA

FASTER, FUEL EFFICIENT

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# FAST, PRODUCTIVE, FUEL EFFICIENT

# **BE READY FOR THE BEST:**

- Advanced Engine Technology
- High Efficiency Transmission
- High Productivity Differential and Axles
- Low Maintenance Cooling Design
- Premium Ergonomics





# **ADVANCED ENGINE TECHNOLOGY**

# **EFFICIENT TRANSMISSION**



# 10% LOWER FUEL CONSUMPTION

The high combustion temperature result in optimum engine performance. The second generation common rail engine ensures better engine control at all rpm. The multiple injection technology delivers optimum combustion control.

# **OUTSTANDING FLAT TORQUE**

The second generation common rail engine ensures better engine control at all rpm and the 100% fresh air input further improves engine output. The multiple injection technology ensures optimum combustion control, while the 1600 bar injection delivers best-in-class torque performance.



# 10% ADDITIONAL FUEL EFFICIENCY AND LESS MAINTENANCE

Proshift delivers 10% more fuel savings than older type 4-speed transmissions and lengthens the life of transmission oil from 1000 to 1500 hours, resulting in maintenance intervals being 50% longer. The premium performance of Proshift results in a superior resale value for the 721F and 821F, as no equivalent model offers such a superior performance.

# **MAXIMUM PRODUCTIVITY**

Proshift delivers faster acceleration and, with the slightly shorter 2nd gear, more pushing power.

# **SUPERIOR COMFORT**

Proshift results in a remarkably comfortable ride, with exceptionally smooth gear change and, when braking, with engine de-rating.

# HIGH PRODUCTIVITY DIFFERENTIAL AND AXLES



# **NEW HEAVY-DUTY AXLES**

The new heavy-duty axles are tougher, bigger and easier to service with the 3-piece housing design. Wet multiple disc brakes made of resistant sinter bronze are located in each wheel hub.

#### FRONT DIFFERENTIAL WITH 100% AUTO-LOCK

With 100% Auto-lock, 100% of the available torque goes to the wheel with adherence, a big step up from the 75% of a limited slip differential! There is no slippage between the wheels and no friction in the differential. The Auto-lock is activated automatically when a front wheel is about to slip, or you can easily do it manually with your left foot.

### **OPEN DIFFERENTIALS FRONT AND REAR**

With open differentials, no friction is applied to reduce wheel slip, resulting in less wear and lower energy losses.



To reduce your initial investment: 721F and 821F are also available with limited slip differentials, heavy-duty front axle and standard rear axles



With L5 tyres, needed for work in very abrasive environments, we recommend heavy-duty axles. Solid tires can be retrofitted

#### **MORE PRODUCTIVITY**

100% of available torque is transmitted to the wheels, delivering optimum pushing power.

# **GREATER RETURN ON INVESTMENT**

Tyre wear is reduced by 20-30% because there is no slippage between the wheels, fuel consumption is lower because there is no friction in the differential, less maintenance is needed because there are fewer moving components with open differentials. The result: better resale value.

#### **ALWAYS RELIABLE**

The heavy duty axles and open differentials result in superior reliability.

# LOW MAINTENANCE COOLING DESIGN

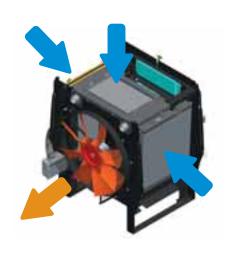


# BETTER WEIGHT DISTRIBUTION WITH THE REAR MOUNTED ENGINE

# **MID-MOUNT COOLING SYSTEM**

This unique design, with the five radiators mounted to form a cube instead of overlapping, ensures that each radiator receives fresh air and that clean air enters from the sides and the top, maintaining constant fluid temperatures. The high efficiency of the cooling system lengthens the life of the coolant to 1500 hours. The standard reversible fan can be activated from the cab and is very effective thanks to the mid-mount cooling system.

The engine is mounted at the rear of the machine, therefore minimizes the need for an additional counterweight. This, together with the lower fan speed (just 1200 rpm), results in lower noise and vibration levels in the cab.





# DESIGNED FOR DUSTY ENVIRONMENT

The cooling system is mounted behind the cab, far from the rear of the machine and from the ground - away from the dust.



### **LESS MAINTENANCE**

The radiators are easy to clean with the reversible fan, which is activated from the cab. The cube design of the cooling system results in more effective cleaning of the radiators, and additional cleaning can be easily done manually, with separate access to each radiator. The efficient cube design also results in a longer life for the cooling fluid, which lasts 500 hours more, so that change intervals are 1500 hours.

#### **INCREASED RELIABILITY**

The constant temperature of the fluid maximises its cooling performance and protects the axles, resulting in greater reliability. This is further enhanced by the easy maintenance and longer service intervals.

The better weight distribution means that a smaller counterweight or dead weight is needed, which reduces stress on the axles and the brakes.

# **UPPER CLASS BUCKET PAYLOAD**

Don't be surprised to notice our wheel loader has the same payload as a competitive model of the upper class of weight: this happens because the rear engine position allows to reduce significantly the amount of dead weight in the machine.

# PREMIUM ERGONOMICS



### **PROTECTED CAB**

Our reinforced cab guarantees protection against roll over (ROPS) and falling objects (FOPS).

# **LOW OPERATOR VIBRATIONS**

Engine noise and vibrations are reduced by 3-step injection: pre-, main- and post-injection. To further increase the operator comfort the rear mounted engine is distant from the cab and an air suspension seat is standard.



# **ALL CONTROLS AT YOUR FINGERTIPS**

### **OUTSTANDING ALL-ROUND VISIBILITY**

You'll feel more confident and work faster with the great allround visibility provided by the very low shape of the curved rear hood and the ample glazed surfaces.

17 air vents ensure your comfort and prevent the windshields from steaming up.





# PREMIUM ERGONOMICS



# HYDRAULIC FUNCTIONS THAT ADD TO YOUR COMFORT

To maximise your focus on the job and reduce your stress levels, you can activate the following functions from the ergonomically positioned control panel under your right hand:

- Auto-shift: ensures the machine always operates in the most suitable gear according to speed, kick down and engine braking
- Reverse button on the joystick: activates front, neutral or reverse
- Return to dig: brings back the bucket in the right position for loading again
- Return to travel: lowers the boom to carry position, which can be adjusted
- Auto-lift: lifts the boom to the max height you have set
- Auto-Ride Control: reduces loader arm bounce during travel, maintaining maximum material retention. It activates from 8 km/h
- Auto-diff lock: The 100% differential lock can be activated manually with your left foot or automatically for greater focus on the job
- Auxiliary circuit lever: For hydraulic attachments such as high tip bucket, you can order the optional auxiliary circuit controlled by a lever next to the joystick for your ease of use.



# **LEVERS OR JOYSTICK LOADER CONTROL**

Depending on your habits you may prefer the optional 2-lever control to the standard joystick control. The optional 3rd lever controls the attachment auxiliary circuit. It can also be retrofitted as a kit.



## **JOYSTICK STEERING**

Long days of repetitive cycles go faster with joystick steering (optional) because your sitting position is better. The steering wheel is maintained for a better handling. You will appreciate it during transfers on uneven terrains, on a descending slope and in case of emergency

# FAST AND EASY MAINTENANCE



The layout of the components under the hood is optimized and results in easier maintenance.



Hood opening and battery on/off switches. In case of flat battery, hood opening can be done externally with remote jump start



Grouped drains

### **ONE-PIECE ELECTRIC HOOD**

The positioning of the engine at the rear and the easy-to-open electric hood ensure fast access to the service points. Jumper cables are available as standard for jump starting the engine if the battery is low.

# **GROUND LEVEL MAINTENANCE DESIGN**

Don't be surprised if you don't see any safety handrails around the hood or steps behind the rear wheels, all service points are easily accessible at ground level. You can do a fast visual check of the hydraulic and transmission oil levels. The three drains are grouped together on the left side, below the hood and battery switches, so that fluids are easy and quick to replace.

# **LESS MAINTENANCE, MORE UPTIME**

You can maximise the working time with these wheel loaders, with the long service intervals of 1500 hours for the transmission oil and filter, the axle oil and filter, and the coolant. The positioning of the cooling system behind the cab means that it needs less cleaning, and the cooling cube design enables you to clean very efficiently with the reversible fan as well as manually.

Both pumps and engine distributions rely on one belt only for faster maintenance.

#### **GREATER SAFETY**

All the main service points are easily accessible from the ground, so you can carry out your daily maintenance safely and efficiently.



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#### PRODUCTIVITY (50-meter distance cycle) Service brake \_\_\_\_Maintenance free, self-adjusting wet 4-wheel disc brakes Considering: density: 1,8 t/m3, fill factor: 100%, 52 cycles/hour and each Area \_\_\_\_\_\_ 0.39 m²/hub Parking brake \_\_\_\_ Disc brake on transmission activated from the cab cluster hour includes a 5-minute break \_\_\_ \_\_\_\_\_140 m<sup>3</sup>/h or 280 t/h 52 loading cycles/h with standard bucket 2.7 m³ or 5.4 ton **ENGINE TIER 3 HYDRAULIC** Compliant with Tier 3 (EU stage 3a) Valves Rexroth Closed-center, Load sensing hydraulic system. FPT turbocharged engine F4HE9684F\*J with: Main valve with 3 sections Main valve with 3 sections The steering orbitrol hydraulically - 100% fresh air combustion Steering - Air to Air intercooler is actuated with priority valve Is actuated with priority value Tandem Variable displacement pump - Common rail (1.600 bar) - Multiple injections similar to multi-jet automotive technology to achieve (206 I/min @2000 rpm) best in class load response, max torque and power with the minimum fuel Automatic hydraulic functions consumption. - Bucket Return-to-dig 6 cylinders -6,7 liters - Boom Return-to-travel Max power SAE J1995 \_\_\_\_\_\_ 145 kW / 195 hp @1800 rpm Maximum torque SAE J1349 \_\_\_\_\_\_ 950 Nm @1300 rpm - Auto.lift (to adjustableheight) Control type \_\_\_\_\_ Pilot control with single joystick or two levers TRANSMISSION CAPACITIES All-wheel drive with planetary axles Fuel tank \_\_\_\_\_ 246 usable litres Kick-down function Cooling system \_\_\_\_\_ 28 litres 4-speed torque converter Engine oil \_\_\_\_\_\_ 15 litres Hydraulic oil \_\_\_\_\_ Tank: 91 litres, total system: 180 litres 4-speed auto Powershift switchable to manual shifting ZF , switchable to manual shifting Transmission oil forward speeds \_\_\_ 8-13-25-37 Km/h reverse speeds 8-13-26 Km/h **CAB AND CONTROLS** Adjustable transmission declutch For you safety the cab complies to: **AXLES AND DIFFERENTIAL** protection against falling objects (FOPS)\_\_\_\_\_ protection against roll over (ROPS) ISO EN13510 For outstanding traction with 50% longer maintenance intervals and 30% less tire wear **NOISE AND VIBRATION** Front auto-lock differential 100% of available torque is always guaranted on the wheel(s) with traction Driving noise in dB (A) 82 to SAE J88 @ 15 meters Front and rear ZF Heavy Duty axles (options) with Open Differential \_ 72 LpA as per ISO6395/6396/3744 Interior noise Excellent traction: Exterior noise \_\_\_\_\_\_ 71 dB(A) at 15 meters as per SAE J88 SEP80 Limited slip differential front and rear when one wheel slips 73% of the available axle torque is guaranted on the other wheel 103 LwA according to ISO6395/6396/3744 Front \_\_\_\_\_ Heavy Duty axle +(ZF type MT-L3085-II) Switchable reverse gear alarm Vibrations \_\_\_\_\_ air-cushioned seat MSG 95A/732

20.5R25

average 1.4m/s<sup>2</sup> as per ISO/TR 25398:2006

65A

**ELECTRICAL SYSTEM** 

24V. Batteries 2 x 12V.

Alternator

\_\_\_\_standard axle (ZF type MT-L3075-II)

Rear

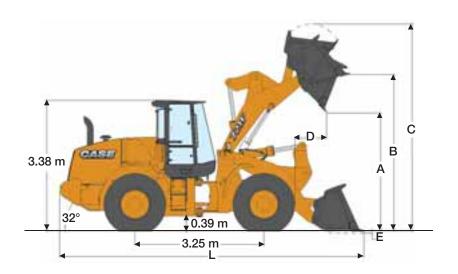
Tyres

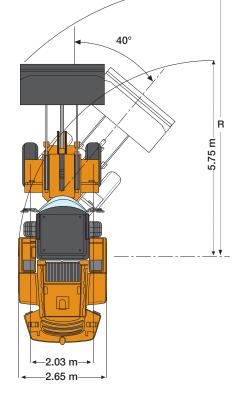
**TYRES** 

Rear axle total oscillation \_\_\_\_

# **SPECIFICATIONS**

# **GENERAL DIMENSIONS**





#### **LOADER SPEED**

| Raising time (loaded)             | 5.2 sec |
|-----------------------------------|---------|
| Dump time (loaded)                | 1.2 sec |
| Lowering time (empty, power down) | 2.5 sec |
| Lowering time (empty, float down) | 2.4 sec |

|                      |  |        | Z-BAR BUCKETS      |       |       |                    | XR BUCKETS<br>(EXTRA REACH) |                            |       |                            | XT BUCKETS<br>(PARALLEL<br>LIFT) |       |
|----------------------|--|--------|--------------------|-------|-------|--------------------|-----------------------------|----------------------------|-------|----------------------------|----------------------------------|-------|
| 721F                 |  |        | 2.7 m³ 2.4 m³ w/QC |       |       | 2.7 m <sup>3</sup> |                             | 2.4 m <sup>3</sup><br>w/QC |       | 2.4 m <sup>3</sup><br>w/QC |                                  |       |
| Bucket with bolt on: |  |        | edge               | teeth | edge  | teeth              | edge                        | teeth                      | edge  | teeth                      | edge                             | teeth |
|                      | Bucket volume (heaped)                       | m³     | 2.7                | 2.7   | 2.4   | 2.4                | 2.7                         | 2.7                        | 2.4   | 2.4                        | 2.4                              | 2.4   |
|                      | Bucket Payload                               | kg     | 5440               | 5369  | 5299  | 5325               | 4533                        | 4464                       | 4385  | 4409                       | 4924                             | 4946  |
|                      | Maximum material density                     | ton/m³ | 2.0                | 2.0   | 2.2   | 2.2                | 1.7                         | 1.7                        | 1.8   | 1.8                        | 2.1                              | 2.1   |
|                      | Bucket outside width                         | m      | 2.73               | 2.73  | 2.47  | 2.47               | 2.73                        | 2.73                       | 2.47  | 2.47                       | 2.47                             | 2.47  |
|                      | Bucket weight                                | kg     | 1237               | 1344  | 1656  | 1619               | 1237                        | 1344                       | 1656  | 1619                       | 1627                             | 1590  |
|                      | Tipping load - straight                      | kg     | 12435              | 12292 | 11356 | 11405              | 10419                       | 10280                      | 10129 | 10177                      | 11280                            | 11326 |
|                      | Tipping load - Articulated at 40°            | kg     | 10881              | 10738 | 10599 | 10649              | 9066                        | 8927                       | 8770  | 8818                       | 9847                             | 9893  |
|                      | Breakout force                               | kg     | 14236              | 12885 | 12185 | 11284              | 14160                       | 12817                      | 12040 | 11151                      | 12016                            | 11193 |
|                      | Lift capacity from ground                    | kg     | 13607              | 13480 | 13419 | 13462              | 11302                       | 11177                      | 11072 | 11115                      | 13096                            | 13111 |
| Α                    | Dump height at 45° at full height            | m      | 2.93               | 2.86  | 2.82  | 2.74               | 3.33                        | 3.26                       | 3.21  | 3.14                       | 2.77                             | 2.69  |
| В                    | Hinge pin height                             | m      | 3.98               | 3.98  | 3.98  | 3.98               | 4.37                        | 4.37                       | 4.37  | 4.37                       | 4.16                             | 4.16  |
| C                    | Overall height                               | m      | 5.52               | 5.52  | 5.51  | 5.51               | 5.91                        | 5.91                       | 5.90  | 5.90                       | 5.67                             | 5.66  |
| D                    | Bucket reach at full height                  | m      | 1.13               | 1.21  | 1.28  | 1.36               | 1.13                        | 1.21                       | 1.28  | 1.36                       | 1.27                             | 1.36  |
| E                    | Dig depth                                    | cm     | 7.4                | 7.4   | 6.2   | 6.7                | 7.6                         | 7.7                        | 6.5   | 6.9                        | 21                               | 21.3  |
|                      | Overall length without bucket                | m      | 6.53               | 6.53  | 6.53  | 6.53               | 6.85                        | 6.85                       | 6.85  | 6.85                       | 6.52                             | 6.52  |
| L                    | Overall length with bucket on the ground     | m      | 7.65               | 7.76  | 7.83  | 7.95               | 7.65                        | 7.76                       | 8.18  | 8.30                       | 8.12                             | 8.24  |
| R                    | Turning radius to front corner of the bucket | m      | 6.3                | 6.4   | 6.3   | 6.3                | 6.5                         | 6.5                        | 6.5   | 6.5                        | 6.2                              | 6.3   |
|                      | Bucket rollback in carry position            | 0      | 43                 | 43    | 38    | 38                 | 41                          | 41                         | 36    | 36                         | 58                               | 58    |
|                      | Dump angle at full height                    | ٥      | 55                 | 55    | 61    | 61                 | 55                          | 55                         | 61    | 61                         | 54                               | 54    |
|                      | Machine operating weight                     | kg     | 14225              | 14532 | 14844 | 14807              | 14644                       | 14751                      | 15063 | 15026                      | 14915                            | 14878 |

Note: bucket specification can slightly differ according to plant source. More bucket choice is available, please contact your local dealer.

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# PRODUCTIVITY (50-meter distance cycle)

Considering: density: 1,8 t/m³, fill factor: 100%, 52 cycles/hour and each hour includes a 5-minute break \_\_\_\_ 52 loading cycles/h with standard bucket 3.4 m³ or 6.2 ton

#### **ENGINE TIER 3**

Compliant with Tier 3 (EU stage 3a) FPT turbocharged engine F4HE9684E\*J with:

- 100% fresh air combustion
- Air to Air intercooler
- Common rail (1.600 bar)
- Multiple injections similar to multi-jet automotive technology to achieve best in class load response, max torque and power with the minimum fuel consumption.

6 cylinders -6,7 liters Max power SAE J1995 \_\_\_\_\_\_ 172kW / 230 hp @1800 rpm Maximum torque SAE J1349 \_\_\_\_\_\_ 1184 Nm @1300 rpm

#### TRANSMISSION

All-wheel drive with planetary axles kick-down function 4-speed torque converter 4-speed auto Powershift switchable to manual shifting ZF , switchable to manual shifting forward speeds \_\_\_ \_\_ 7-12-23-37 Km/h 7-13-25 Km/h reverse speeds Adjustable transmission declutch

### **AXLES AND DIFFERENTIAL**

For outstanding traction with 50% longer maintenance intervals and 30% less tire wear

Front auto-lock differential 100% of available torque is always guaranted on the wheel(s) with traction

Front and rear ZF Heavy Duty axles with Open Differential

Excellent traction: Limited slip differential front and rear when one wheel slips 73% of the available axle torque is guaranted on the other wheel Front \_\_\_\_\_ Heavy Duty axle +(ZF type MT-L3095-II) Rear \_\_\_\_\_\_standard axle (ZF type MT-L3095-II)
Rear axle total oscillation \_\_\_\_\_

# **TYRES**

23.5R25

## BRAKES

| Service brake | Maintenance free, self-adjusting | wet 4-wheel disc brakes   |
|---------------|----------------------------------|---------------------------|
| Area          |                                  | 0.39 m <sup>2</sup> /hub  |
| Parking brake | Disc brake on transmission activ | ated from the cab cluster |
| Area          |                                  | 82 cm <sup>2</sup>        |

#### **HYDRAULIC**

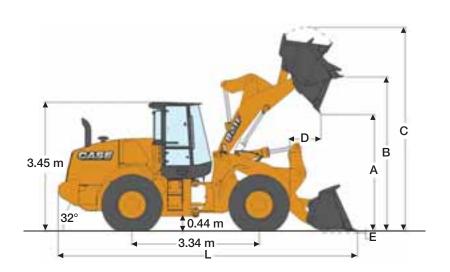
Valves \_\_\_\_\_\_ Rexroth Closed-center, Load sensing hydraulic system. Main valve with 3 sections The steering orbitrol hydraulically is actuated with priority valve
Tandem Variable displacement pump Type of pump \_\_\_\_\_ (240 l/min @2000 rpm) Automatic hydraulic functions - Bucket Return-to-dig - Boom Return-to-travel - Auto.lift (to adjustableheight) Control type \_\_\_\_\_ Pilot control with single joystick or two levers CAPACITIES \_\_\_\_\_288 usable litres Fuel tank\_ Cooling system \_\_\_\_\_ \_\_\_\_\_ 30 litres Hydraulic oil \_\_\_\_\_\_ Tank: 91 litres, total system: 180 litres Engine oil \_\_\_\_\_ 15 litres Transmission oil\_\_\_\_\_ CAB AND CONTROLS For you safety the cab complies to: protection against falling objects (FOPS)\_\_\_\_\_ protection against roll over (ROPS) ISO EN13510 NOISE AND VIBRATION Driving noise in dB (A) 82 to SAE J88 @ 15 meters Interior noise \_\_\_ 72 LpA as per ISO6395/6396/3744 Interior noise \_\_\_\_\_Exterior noise \_\_\_\_\_ 71 dB(A) at 15 meters as per SAE J88 SEP80 103 LwA according to ISO6395/6396/3744 Switchable reverse gear alarm Vibrations \_\_\_\_\_ air-cushioned seat MSG 95A/732 average 1.4m/s2 as per ISO/TR 25398:2006

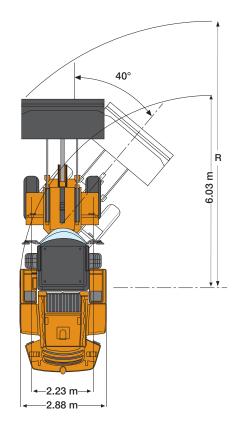
### ELECTRICAL SYSTEM

24V. Batteries 2 x 12V. Alternator \_\_\_\_\_ 65A

# **SPECIFICATIONS**

# **GENERAL DIMENSIONS**





#### **LOADER SPEED**

| Raising time (loaded)             | 6.2 sec |
|-----------------------------------|---------|
| Dump time (loaded)                | 1.2 sec |
| Lowering time (empty, power down) | 2.9 sec |
| Lowering time (empty, float down) | 2.5 sec |

|      |  |        | Z-BAR BUCKETS |       |                    |       |                    |       | XR BUCKETS<br>(EXTRA REACH) |       |                    |       |  |
|------|--|--------|---------------|-------|--------------------|-------|--------------------|-------|-----------------------------|-------|--------------------|-------|--|
| 821F | 821F   |        | 3.4           | m³    | 3.2 m <sup>3</sup> |       | 2.8 m <sup>3</sup> |       | 3.2 m <sup>3</sup>          |       | 2.8 m <sup>3</sup> |       |  |
| Buck | et with bolt on:                             |        | edge          | teeth | edge               | teeth | edge               | teeth | edge                        | teeth | edge               | teeth |  |
|      | Bucket volume (heaped)                       | m³     | 3.42          | 3.24  | 3.20               | 3.10  | 2.8                | 2.5   | 3.2                         | 3.1   | 2.8                | 2.5   |  |
|      | Bucket Payload                               | kg     | 6146          | 6268  | 6184               | 6295  | 6274               | 6478  | 4878                        | 4970  | 4968               | 5123  |  |
|      | Maximum material density                     | ton/m³ | 1.80          | 1.94  | 1.93               | 2.03  | 2.24               | 2.59  | 1.53                        | 1.60  | 1.77               | 2.05  |  |
|      | Bucket outside width                         | m      | 2.95          | 2.95  | 2.94               | 2.94  | 2.95               | 2.94  | 2.95                        | 2.94  | 2.95               | 2.94  |  |
|      | Bucket weight                                | kg     | 1550          | 1460  | 1520               | 1430  | 1366               | 1276  | 1520                        | 1430  | 1366               | 1276  |  |
|      | Tipping load - straight                      | kg     | 14203         | 14465 | 14284              | 14523 | 14465              | 14917 | 11366                       | 11562 | 11547              | 11889 |  |
|      | Tipping load - Articulated at 40°            | kg     | 12293         | 12536 | 12367              | 12590 | 12547              | 12955 | 9756                        | 9941  | 9936               | 10246 |  |
|      | Breakout force                               | kg     | 15076         | 16133 | 15473              | 16676 | 17751              | 19180 | 15721                       | 16953 | 18032              | 19496 |  |
|      | Lift capacity from ground                    | kg     | 17976         | 18137 | 18055              | 18201 | 18263              | 18559 | 13725                       | 13885 | 13938              | 14237 |  |
| Α    | Dump height at 45° at full height            | m      | 2.94          | 2.86  | 2.96               | 2.88  | 3.06               | 2.99  | 3.34                        | 3.33  | 3.50               | 3.43  |  |
| В    | Hinge pin height                             | m      | 4.12          | 4.12  | 4.12               | 4.12  | 4.12               | 4.12  | 4.56                        | 4.56  | 4.56               | 4.56  |  |
| С    | Overall height                               | m      | 5.49          | 5.49  | 5.45               | 5.45  | 5.29               | 5.29  | 5.89                        | 5.89  | 5.73               | 5.73  |  |
| D    | Bucket reach at full height                  | m      | 1.17          | 1.13  | 1.15               | 1.27  | 1.02               | 1.14  | 1.26                        | 1.38  | 1.14               | 1.26  |  |
| Е    | Dig depth                                    | cm     | 7             | 5     | 7                  | 5     | 7                  | 5     | 14                          | 11    | 14                 | 11    |  |
| L    | Overall length with bucket on the ground     | m      | 7.94          | 8.06  | 7.90               | 8.03  | 7.74               | 7.86  | 8.39                        | 8.52  | 8.23               | 8.35  |  |
|      | Overall length without bucket                | m      | 6.78          | 6.78  | 6.78               | 6.78  | 6.78               | 6.78  | 7.24                        | 7.24  | 7.24               | 7.24  |  |
| R    | Turning radius to front corner of the bucket | m      | 6.6           | 6.7   | 6.6                | 6.6   | 6.6                | 6.6   | 6.9                         | 6.9   | 6.8                | 6.8   |  |
|      | Bucket rollback in carry position            | ۰      | 44            | 44    | 44                 | 44    | 44                 | 44    | 43                          | 43    | 43                 | 43    |  |
|      | Dump angle at full height                    | ۰      | 55            | 55    | 55                 | 55    | 55                 | 55    | 49                          | 49    | 49                 | 49    |  |
|      | Machine operating weight                     | kg     | 17694         | 17604 | 17664              | 17574 | 17510              | 17420 | 18046                       | 17956 | 17892              | 17802 |  |
|      |  |        |               |       |                    |       |                    |       |                             |       |                    |       |  |

 $Note: bucket \ specification \ can \ slightly \ differ \ according \ to \ plant \ source. \ More \ bucket \ choice \ is \ available, \ please \ contact \ your \ local \ dealer.$ 

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