WHEEL LOADERS

**CASE CONSTRUCTION**

**621E - E**

- **Engine Horsepower**: 128 kW/172 hp
- **Operating weight (max.)**: 12 431 kg
- **Bucket capacity**: 1.96 - 2.28 m³

**621E EXT**

- **Engine Horsepower**: 128 kW/172 hp
- **Operating weight (max.)**: 13 022 kg
- **Bucket capacity**: 1.96 - 2.40 m³

**621E XR**

- **Engine Horsepower**: 128 kW/172 hp
- **Operating weight (max.)**: 12 521 kg
- **Bucket capacity**: 1.96 - 2.29 m³
ERGONOMIC DESIGN
The E series cab is longer and wider with a 15% increase in floor area and full height glazing, for maximum visibility around the machine. A fully adjustable operator seat and steering column, with standard single lever or dual lever loader controls, provides optimum comfort. Ergonomically designed switchgear and a central console improve ease of use. The cab door and right hand window can be opened 180° for improved cross cab ventilation, while increased air diffusers provide heating and ventilation for all year round comfort. Premium cab. Optimum performance.

ECONOMICAL DRIVETRAIN
A Euro III compliant 6.7 litre engine powers the 621E, offering three power curve choices to boost productivity and ensure optimum economy in all conditions. Operator selectable maximum, standard, economy and auto working modes fine tune the machine’s hydraulics to the application, providing high output for loading and digging duties, and low fuel consumption in lighter stocking operations. Auto mode automatically adjusts engine output to provide maximum tonne per litre performance. High production. Low consumption.

EXEMPLARY ACCESS
Daily checks are easily carried out from ground level, with fluid sight gauges on all reservoirs. Electric lift engine canopy offers unrivalled access for service and maintenance, with a rear mounted engine. Remote fluid drains ensure environmentally-friendly service. High efficiency central cooling pack has independent coolers with removable air conditioning condenser and fast release inner fender for easy cleaning. Extended service intervals and reduced maintenance result in lower operating costs and higher uptime. Ease of maintenance. Reduced downtime.
EXTRA LOAD RETENTION
The optional Case Ride Control system reduces shock loading in the loader arms and bounce in the cab when travelling with a load. Auto mode automatically engages Ride Control at speeds over 4.8 km/h to maintain maximum load retention. In combination with 5% wider rear track, Ride Control offers supreme ride comfort for the operator, reducing fatigue and boosting performance. Increased load. Reduced effort.

EXTENDED VIEW
An increased glass area, redesigned front wheel arches and a smooth single-piece engine canopy provide a clear view for the operator all around the machine, reducing the risk of accidents and improving safety on site. The exhaust stack is now mounted at the rear of the canopy, in line with the optional air pre-cleaner, to provide a clear view to the rear. Full height glazing to the front and sides of the cab provides an unobstructed view to the wheels and bucket tips. Operator visibility. Improved safety.

EXCEPTIONAL FORCE
Sturdy Z-bar loader linkage design and larger lift cylinders result in superior breakout forces and 13% increase in lift capacity, boosting productivity and reducing cycle times. Bucket mountings are interchangeable with D series, increasing fleet acceptance. Single loader control lever incorporates forward/reverse and transmission downshift buttons, while dual levers have additional controls at fingertips, reducing operator effort and increasing productivity. Robust loader. Rapid bucket fill.
The 621E is powered by a Tier III Case 667TA/EDB diesel engine. This electronically-controlled 6.7 litre engine offers the operator a choice of three power and torque ratings, from 133-172 hp (99-128 kW), each designed to match the requirements of the machine in specific applications. This boosts productivity and reduces fuel consumption and exhaust emissions. In addition the machine has four Working Modes, which are selected by the operator. Standard mode is for use in normal operation, offering the engine’s standard rated output with maximum hydraulic power and flow. Max Power provides a 13.5 % power boost and is intended for extreme operating conditions. For lighter duties, there is Economy mode, which drops the engine revs and power output by 15 %, reducing fuel consumption, exhaust and noise emissions further. The final operating mode is Auto mode, which automatically matches the engine’s power curve to the digging application. The electronic engine control also permits three idle settings, 600, 900 and 1,200 rpm, further reducing fuel consumption and exhaust emissions.

Case E Series wheeled loaders benefit from a greatly enlarged operator’s cab, with up to 15 % more floor area. The tapered design is longer and wider than the D Series, offering more internal space for the driver and reduced noise levels that are among the quietest in the industry. Floor to ceiling glass is present at the front and sides, offering unparalleled visibility to the wheels and the implement, increasing efficiency and productivity on site. Redesigned front wheel arches offer improved protection for the cab, while increasing the operator’s view to the bucket.

At the rear of the 621E, the sloping single-piece engine canopy provides industry-leading levels of visibility. The optional engine air pre-cleaner is positioned in line with the exhaust stack at the rear of the canopy to further improve visibility. A large single rear screen, with pillars level with the operator, ensures an unbroken view to the rear three-quarters of the 621E. This is essential for a wheeled loader operator in a stocking and loading operation, and also for the XT machine in a materials handling situation. A rear windscreen wiper is standard, ensuring that the view to the rear of the machine stays clear whatever the weather, minimising downtime and maximising productivity.
OPERATOR’S CAB

The Case 621E uses the latest E series cab, which is longer and wider than on previous machines. This provides an exceptional working space, with a flat floor for ease of cleaning. Adjustable steering column and a fully adjustable driver’s seat ensure that every operator can stay comfortable throughout the working shift.

The cab is among the quietest in the industry and features floor to roof glazing, for maximum visibility all around the machine. Easy to read analogue gauges combined with a digital display to provide all necessary information in a clear dash console. A full height door on the left hand side of the cab can be opened to 180° and locked in position for improved cross cab air flow. The window on the right of the cab can be opened slightly for increased air flow, or opened to 180° and locked for maximum ventilation. In addition full cab air-conditioning is available as an option, with numerous vents providing a good flow of air around the cab. There is plenty of storage in the cab, including a cool box when air conditioning is fitted.
Load retention and cab comfort can be further improved with the addition of optional Ride Control, a system that allows the lift arms to float when the machine is moving, preventing bounce in the cab and at the wheels. Ride Control permits higher travel speeds during load and carry operations, reducing fatigue for the operator and increasing productivity. The system has three operating modes, off to allow full hydraulic power during loading and digging operations, on for reduced bounce while travelling and an automatic setting, which engages Ride Control when the machine accelerates above 4.8 km/h. The Ride Control system reduces shock loadings in the chassis and in the operator’s cab, extending component life and reducing operating costs for the customer.

The 621E wheel loaders use a torque sensing autoshift transmission with four forward gears and three reverse ratios. Top forward speed is 38.6 km/h. The operator can choose between manual or automatic control of the transmission. Forward and reverse shifting can be controlled using a shuttle switch in the head of the main hydraulic servo lever, or on the console within the operator’s reach if the machine is equipped with multi-lever controls. This allows the operator to change direction while working the attachment lever, boosting productivity and cutting cycle times in loading operations. All four wheels are braked, using hydraulically-actuated maintenance-free wet disc brakes. Activating the transmission disconnect switch will electronically cut the drive to the wheels when applying the brakes, ensuring long brake life.

Thanks to the mid-mounted cooling module design, the engine sits at the rear of the machine, where it contributes to the counterweight. A single-piece electrically-operated engine cover lifts clear of the engine for service and maintenance, and all daily checks can be easily reached from ground level, with fluid sight gauges on all reservoirs. There are remote fluid drain taps for the engine oil, coolant and hydraulic oil, ensuring environmentally-friendly service with no loss of fluids to the surrounding area. Grease points are centrally located, to reduce downtime and increase productivity. The machine’s electronic control system can be accessed by trained service personnel for fault diagnosis and operating data. This system is fully compatible with the Case service tool. All of the machine’s electronics are situated within the cab, providing a central location and keeping them away from dust and dirt.
SPECIFICATIONS

ENGINE
Model_________________ Case Family IV,667TA/EDB, Tier III certified
Type_____________ 6 cyl, 4-stroke, turbocharged and air to air cooled
Displacement___________________________ 104 x 132 mm
Fuel injection___________________________ Electronic
Fuel filter_________ Replaceable, full flow spin-on cartridge
Air filter_______ Dry type element w/ warning restriction indicator
Pump operating angle ratings
Side-to-side________________________________ Rated 35°
Fore and aft________________________________ Rated 35°
Oil filtration_________ Replaceable, full flow spin-on cartridge
Horsepower - Peak
Max Power
Gross_______________________ 172 (128 kW) @ 1800 rpm
Net ________________________ 162 (121 kW) @ 1800 rpm
Standard Power
Gross_______________________ 156 (118 kW) @ 1800 rpm
Net ________________________ 146 (109 kW) @ 1800 rpm
Economy Power
Gross _______________________ 133 (99 kW) @ 1500 rpm
Net ________________________ 125 (93 kW) @ 1500 rpm

Torque - Peak
Max Power
Gross_______________________ 538 (730 kW) @ 1600 rpm
Net ________________________ 510 (692 kW) @ 1600 rpm
Standard Power
Gross_______________________ 530 (719 kW) @ 1300 rpm
Net ________________________ 508 (689 kW) @ 1000 rpm
Economy Power
Gross_______________________ 527 (715 kW) @ 1200 rpm
Net ________________________ 508 (689 kW) @ 1200 rpm
Torque rise ____________________ 33%

DRIVETRAIN
Transmission
4F/3R Proportional w/ Electronic Control
Module torque sensing auto/shift/ manual shift and modulation
Differential __________________ Limited slip with 45% transfer on front and rear axles
Service brakes
Hydraulically actuated, maintenance-free, multiple wet disc w/ accumulator to all four wheels
Parking brakes
Spring applied hydraulic release disc on transmission output shaft
Travel speeds - km/h with 20.5x25 L3 Tires
Forward  Reverse
1st  6.9  73
2nd  13.5  14.2
3rd  23.9  25.0
4th  38.6  NA
NOTE: Travel speeds at full engine throttle.

ELECTRICAL
Voltage ______________________ 24 Volts, negative ground
Alternator__________________________ 65 amp
Batteries__________________________________________ (2) 12 Volt

HYDRAULICS
Pump [steering/ implement]
Closed centered pressure/ flow compensated
Variable displacement _171/ min @ 2000 rpm @ 24 822 kPa
Loader control valve
Loader auxiliary steering
Filtration
10-micron, full flow replaceable cartridges on return line, condition indicator light for filter

CYCLE TIME
Raise w/ rated bucket load __________________________ 6.3 sec
Dump w/ rated bucket load:
Z-Bar ___________________________ 1.3 sec
XT ______________________________ 1.7 sec
Lower [empty]
Power down____________________ 4.7 sec
Float down______________________ 4.6 sec

CAPACITIES
Fuel tank__________________________ 246 l
Hydraulic system
Total _____________________________ 147.6 l
Reservoir ___________________ 90.8 l
Transmission
Service with filter ___________________ 18.9 l
Front and rear axle
Front axle ____________________ 22.0 l
Rear axle ____________________ 22.0 l
Engine oil w/ filter ___________________ 13.2 l
Cooling system __________________ 96.0 l

OPERATING WEIGHTS
Z-Bar
Unit equipped with ROPS cab with heater and A/C, full counterweight, 20.5R25 XTLA Michelin tires, front and rear fenders, 1.96 m³ general purpose loader bucket with edge, full fuel, 79 kg operator _________________________ 12 431 kg

XT
Unit equipped with ROPS cab with heater and A/C, full counterweight, 20.5R25 XTLA Michelin tires, 1.96 m³ ACS loader bucket, standard batteries, full fuel, 79 kg operator _________________________ 13 022 kg

XR
Unit equipped with ROPS cab with heater and A/C, full counterweight, 20.5R25 XTLA Michelin tires, front and rear fenders, 1.96 m³ general purpose loader bucket with edge, full fuel, 79 kg operator _________________________ 12 521 kg
**GENERAL DIMENSIONS 621E**

### DIMENSIONS

| A | Height to top of ROPS cab | mm | 3395 |
| B | Wheelbase | mm | 2900 |
| C | Ground clearance | mm | 370 |
| D | Angle of departure | ° | 32 |

#### Width
- overall w/o bucket | mm | 2500 |
- centerline tread | mm | 1950 |

#### Turning radius
- *outside* | mm | 5245 |

#### Turning angle
- from center | ° | 40 |
- total angle | ° | 80 |

#### Rear axle oscillation (total)
- | ° | 24 |

**NOTE:** *Dimensions taken with 20.5x25 L2/L3/XTLA TL tires.*

### WEIGHT ADJUSTMENTS

<table>
<thead>
<tr>
<th>Select Options</th>
<th>Weight Adj. (kg)</th>
<th>Tipping Load Adj. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.5x25 12 ply L2 tires</td>
<td>-45</td>
<td>-35</td>
</tr>
<tr>
<td>20.5x25 12 ply L3 tires</td>
<td>104</td>
<td>78</td>
</tr>
<tr>
<td>20.5R25 XHA TL tires</td>
<td>172</td>
<td>131</td>
</tr>
<tr>
<td>Standard counterweight</td>
<td>-387</td>
<td>-927</td>
</tr>
</tbody>
</table>

**NOTE:** *Unit equipped with Z Bar loader arms, 1.96 m³ general purpose pin on bucket w/bolt-on edge, 20.5R25 XTLA Michelin tires, ROPS cab w/heater and A/C, full counterweight, standard batteries, front and rear fenders, full fuel and 79 kg operator. Adjust select options from rated weight.*

### PERFORMANCE DATA

**621E Z-Bar**

<table>
<thead>
<tr>
<th>SAE bucket capacity - heaped</th>
<th>m³</th>
<th>2.29</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bucket width - outside</td>
<td>mm</td>
<td>2602</td>
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<tr>
<td>Bucket weight</td>
<td>kg</td>
<td>885</td>
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<tr>
<td>E Operating height - fully raised w/spillguard</td>
<td>mm</td>
<td>5032</td>
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<tr>
<td>F Hinge pin height - fully raised</td>
<td>mm</td>
<td>3830</td>
</tr>
<tr>
<td>G Overall length - bucket level on ground</td>
<td>mm</td>
<td>7384</td>
</tr>
<tr>
<td>H Dump angle - fully raised</td>
<td>°</td>
<td>55</td>
</tr>
<tr>
<td>I Dump height - fully raised, 45° dump</td>
<td>mm</td>
<td>2801</td>
</tr>
<tr>
<td>J Bucket reach - fully raised, 45° dump</td>
<td>mm</td>
<td>1013</td>
</tr>
<tr>
<td>K Bucket reach - 2.13 m height, 45° dump</td>
<td>mm</td>
<td>1515</td>
</tr>
<tr>
<td>Operating load - ISO</td>
<td>kg</td>
<td>4499</td>
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<tr>
<td>Maximum material density - ISO</td>
<td>kg/m³</td>
<td>1962</td>
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<tr>
<td>Tipping load - ISO</td>
<td>kg</td>
<td>10339</td>
</tr>
<tr>
<td>- straight</td>
<td>kg</td>
<td>10347</td>
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<td>- 40° turn</td>
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<td>- full height</td>
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<td>8998</td>
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<tr>
<td>- maximum reach</td>
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<td>- ground</td>
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<td>9089</td>
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<tr>
<td>Breakout force with tilt cylinder</td>
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<tr>
<td>Maximum rollback</td>
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<td>- ground</td>
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<td>10360</td>
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<tr>
<td>- carry position</td>
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<tr>
<td>- maximum reach</td>
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<td>11033</td>
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<tr>
<td>- full height</td>
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<td>L Dip depth</td>
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<tr>
<td>Maximum grading angle w/bucket - back dragging</td>
<td>mm</td>
<td>11281</td>
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</table>

**NOTE:**

* Z-Bar performance data shown w/full counterweight.
* XT lift arm with buckets for ACS Pro Series 2000® size 30 HD coupler.
* XT lift arm with bucket for JRB 300HV coupler.

Performance data unit equipped with 20.5R25 XTLA tires, ROPS cab w/heater and A/C, full counterweight, standard batteries, front and rear fenders, full fuel and 79 kg operator. Specifications per SAE J732, J1234, J6985, J742 and J818.
**GENERAL DIMENSIONS 621EXT**

**DIMENSIONS**

<p>| | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>A</td>
<td>Height to top of ROPS cab</td>
<td>mm</td>
<td>3395</td>
<td></td>
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<tr>
<td>B</td>
<td>Wheelbase</td>
<td>mm</td>
<td>2900</td>
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<tr>
<td>C</td>
<td>Ground clearance</td>
<td>mm</td>
<td>370</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D</td>
<td>Angle of departure</td>
<td></td>
<td>32°</td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Width</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>- overall* w/o bucket</td>
<td>mm</td>
<td>2523</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>- centerline tread</td>
<td>mm</td>
<td>1950</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td>Turning radius* - outside</td>
<td>mm</td>
<td>5245</td>
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<td></td>
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<td>Turning angle</td>
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<tr>
<td></td>
<td>- from center</td>
<td>40°</td>
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<td>- total angle</td>
<td>80°</td>
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<td>Rear axle oscillation (total)</td>
<td>24°</td>
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**WEIGHT ADJUSTMENTS**

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<tr>
<th>Weight</th>
<th>Tipping Load Adj.</th>
<th>Tipping Load Adj.</th>
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<tbody>
<tr>
<td></td>
<td>Straight (kg)</td>
<td>40° Turn (kg)</td>
</tr>
<tr>
<td>20.5x25 12 ply L2 tires</td>
<td>85</td>
<td>45</td>
</tr>
<tr>
<td>20.5x25 12 ply L3 tires</td>
<td>104</td>
<td>78</td>
</tr>
<tr>
<td>20.5R25 XHA TL tires</td>
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<td>131</td>
</tr>
<tr>
<td>Standard counterweight</td>
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<td>-927</td>
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**PERFORMANCE DATA**

<table>
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<tr>
<th></th>
<th>2.40 m³</th>
<th>1.96 m³</th>
<th>2.40 m³</th>
<th>1.96 m³</th>
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<tbody>
<tr>
<td>ACS Bucket w/Edge**</td>
<td>ACS Bucket w/Edge**</td>
<td>JRB Bucket w/Edge***</td>
<td>JRB Bucket w/Edge***</td>
<td></td>
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<tr>
<td>E Operating height - fully raised w/spillguard</td>
<td>mm 5482</td>
<td>5437</td>
<td>5339</td>
<td>5327</td>
</tr>
<tr>
<td>F Hinge pin height - fully raised</td>
<td>mm 3956</td>
<td>3956</td>
<td>3956</td>
<td>3957</td>
</tr>
<tr>
<td>G Overall length - bucket level on ground</td>
<td>mm 7593</td>
<td>7468</td>
<td>7535</td>
<td>7640</td>
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<tr>
<td></td>
<td>Dump angle - fully raised</td>
<td>55°</td>
<td>55°</td>
<td>55°</td>
</tr>
<tr>
<td>H Dump height - fully raised, 45° dump</td>
<td>mm 2792</td>
<td>2872</td>
<td>2825</td>
<td>2758</td>
</tr>
<tr>
<td>J Bucket reach - fully raised, 45° dump</td>
<td>mm 1141</td>
<td>1141</td>
<td>1159</td>
<td>1239</td>
</tr>
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<td>K Bucket reach - 2.13 m height, 45° dump</td>
<td>mm 1694</td>
<td>1692</td>
<td>1685</td>
<td>1728</td>
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<tr>
<td>Operating load - ISO</td>
<td>kg 3826</td>
<td>3861</td>
<td>3205</td>
<td>3879</td>
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<tr>
<td>Maximum material density - ISO</td>
<td>kg/m³ 1584</td>
<td>1899</td>
<td>1393</td>
<td>1908</td>
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<tr>
<td>Tipping load - ISO</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td></td>
<td>- straight</td>
<td>kg 8840</td>
<td>8931</td>
<td>7442</td>
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<tr>
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<td>- 40° turn</td>
<td>kg 7652</td>
<td>7722</td>
<td>6409</td>
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<tr>
<td>Lift capacity</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td></td>
<td>- full height</td>
<td>kg 6494</td>
<td>6462</td>
<td>5800</td>
</tr>
<tr>
<td></td>
<td>- maximum reach</td>
<td>kg 9254</td>
<td>9197</td>
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<td></td>
<td>- ground</td>
<td>kg 16389</td>
<td>16052</td>
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<td>Breakout force with tilt cylinder</td>
<td>kg 11021</td>
<td>12137</td>
<td>11658</td>
<td>10852</td>
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<tr>
<td>Loader clearance circle</td>
<td>mm 11489</td>
<td>11438</td>
<td>11830</td>
<td>11515</td>
</tr>
</tbody>
</table>

**NOTE:**

* Z-Bar performance data shown w/full counterweight.

** XT lift arm with buckets for ACS Pro Series 2000® size 30 HD coupler.

*** XT lift arm with bucket for JRB 300HV coupler.

Performance data unit equipped with 20.5x25 XTLA Michelin tires, ROPS cab w/heater and A/C, full counterweight, standard batteries, front and rear fenders, full fuel and 79 kg operator. Adjust select options from rated weight.

**NOTE:**

* Dimensions taken with 20.5x25 L2/L3/XTLA TL tires.

**NOTE:**

* Z-Bar performance data shown w/full counterweight.

** XT lift arm with buckets for ACS Pro Series 2000® size 30 HD coupler.

*** XT lift arm with bucket for JRB 300HV coupler.

Performance data unit equipped with 20.5x25 XTLA tires, ROPS cab w/heater and A/C, full counterweight, standard batteries, front and rear fenders, full fuel and 79 kg operator. Adjust select options from rated weight.
**GENERAL DIMENSIONS**

**621EXR**

### DIMENSIONS

<table>
<thead>
<tr>
<th>A</th>
<th>Height to top of ROPS cab</th>
<th>mm</th>
<th>3395</th>
</tr>
</thead>
<tbody>
<tr>
<td>B</td>
<td>Wheelbase</td>
<td>mm</td>
<td>2900</td>
</tr>
<tr>
<td>C</td>
<td>Ground clearance</td>
<td>mm</td>
<td>370</td>
</tr>
<tr>
<td>D</td>
<td>Angle of departure</td>
<td>°</td>
<td>32</td>
</tr>
</tbody>
</table>

#### Width
- overall w/o bucket: mm 2523
- centerline tread: mm 1950

<table>
<thead>
<tr>
<th>Turning radius</th>
<th>mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>* - outside</td>
<td>5245</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Turning angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>- from center</td>
</tr>
<tr>
<td>- total angle</td>
</tr>
</tbody>
</table>

| Rear axle oscillation (total) | 24° |

**NOTE:** *Dimensions taken with 20.5x25 L2/L3/XTLA TL tires.

### WEIGHT ADJUSTMENTS

Select Options

<table>
<thead>
<tr>
<th>Weight Adj. (kg)</th>
<th>Tipping Load Adj. Straight (kg)</th>
<th>Tipping Load Adj. 40° Turn (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.5x25 12 ply L2 tires</td>
<td>- 45</td>
<td>- 35</td>
</tr>
<tr>
<td>20.5x25 12 ply L3 tires</td>
<td>104</td>
<td>78</td>
</tr>
<tr>
<td>20.5R25 XHA TL tires</td>
<td>172</td>
<td>131</td>
</tr>
<tr>
<td>Standard counterweight</td>
<td>- 387</td>
<td>- 927</td>
</tr>
</tbody>
</table>

**NOTE:** *Unit equipped with Z-Bar loader arms, 1.96 m³ general purpose pin on bucket w/bolt-on edge, 20.5R25 XTLA Michelin tires, ROPS cab with heater and A/C, full counterweight, standard batteries, front and rear fenders, full fuel and 79 kg operator. Adjust select options from rated weight.

### PERFORMANCE DATA

<table>
<thead>
<tr>
<th>621EXR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>E</strong> Operating height - fully raised w/spillguard</td>
</tr>
<tr>
<td><strong>F</strong> Hinge pin height - fully raised</td>
</tr>
<tr>
<td><strong>G</strong> Overall length - bucket level on ground</td>
</tr>
<tr>
<td><strong>H</strong> Dump height - fully raised, 45° dump</td>
</tr>
<tr>
<td><strong>J</strong> Bucket reach - fully raised, 45° dump</td>
</tr>
<tr>
<td><strong>K</strong> Bucket reach - 2.13 m height, 45° dump</td>
</tr>
<tr>
<td><strong>L</strong> Operating load - ISO</td>
</tr>
<tr>
<td><strong>M</strong> Maximum material density - ISO</td>
</tr>
<tr>
<td><strong>N</strong> Tipping load - ISO</td>
</tr>
<tr>
<td><strong>O</strong> Lift capacity</td>
</tr>
<tr>
<td>- straight</td>
</tr>
<tr>
<td>- 40° turn</td>
</tr>
<tr>
<td><strong>P</strong> Breakout force with tilt cylinder</td>
</tr>
</tbody>
</table>

**NOTE:** *2-Bar performance data shown w/full counterweight.
**XT lift arm with buckets for ACS Pro Series 2000® size 30 HD coupler.
***XT lift arm with bucket for JRB 300HV coupler.
Performance data unit equipped with 20.5R25 XTLA tires, ROPS cab w/heater and A/C, full counterweight, standard batteries, front and rear fenders, full fuel and 79 kg operator. Specifications per SAE J722, J723, J695, J742 and J818.
STANDARD EQUIPMENT & OPTIONS

STANDARD EQUIPMENT

- Turbocharger
- Change air cooling
- Automatic fan belt tensioner
- Integral engine oil cooling
- Fuel filter with water trap
- Dual element air cleaner
- 65 amp alternator
- (2) 700 CCA 12-volt batteries
- Liquid-cooled radiator
- Non spark-arresting muffler
- Mid-mounted cooling module
- Common rail electronic fuel injection

Loader
- Z-bar loader linkage
- Single control for lift and tilt
- Positive hold float
- Automatic return-to-dig
- Automatic height control
- Automatic return-to-travel
- Brake pedal transmission disconnect
- Bucket position indicator on bucket

Drivetrain
- 4-wheel drive
- 4F/3R Selectable autoshift/manual shift transmission
- Electronic Control Module - Programmable, computer controlled proportional shifting with programmable gear selection
- Onboard diagnostics
- Single lever electronic shift control
- F/N/R switch in loader control handle
- Downshift button
- Torque converter
- Outboard planetary axles
- Limited-slip differentials
- Transmission oil cooler
- Brake pedal transmission disconnect

Hydraulics
- Hydraulic wet disc brakes
- Spring-applied hydraulic release
- Parking brake
- Limp-Home Mode
- Lube-for-life drive shaft

- Single lever 2-speed loader control valve
- Low-effort steering
- Hydraulic driven fan
- (8) Diagnostic quick couplers

Other
- Electric hood lift
- Front and rear fenders
- Lights:
  - (2) Front driving headlights
  - (high/low beam)
  - (2) Rear flood
  - (2) LED stop and tail lights
- Front and rear turn signal/flash
- Standard countrweight
- Drawbar hitch
- Articulation locking bar
- Lift arm locking bar
- Lift and tie-down points - front/rear
- Backup alarm
- Remote drain points

Options

- Operator’s compartment
- Cloth covered air suspension seat
- Sound Shield noise suppression package
- Cab air-conditioning w/ heater
- Radio
- Radio ready (12 or 24-volt)
- Auxiliary power (12-volt)
- Cab convenience package
- RH steps and platform
- Rotating beacon
- Second brake pedal
- Engine
- Cold weather package
- Heavy-duty batteries
- Fuel heater
- Hydraulic oil cooler bypass
- Low temperature hydraulic oil
- Grid heater
- Loader
- Hydraulic attachment coupler
- Attachment auxiliary hydraulics
- Buckets (see page 3 & 4)
- Loader coupler systems
- XT Linkage
- Hydraulics
- Auxiliary hydraulics
- Ride Control
- Secondary steering
- 3 or 4-speed loader valves with 2 or 3 lever loader control
- Hydraulic reversing fan
- Hydraulic cooler
- Tires
- 20.5R25 12PR L3 Bias (rock)
- 20.5R25 radial (dirt/traction)
- 20.5R25 radial (rock)

Other
- Special paint
- Full coverage fenders
- Belly panel
- Tool box
- Full counterweight - 2Bar
- Temperature controlled fan

Standard and optional equipment shown can vary by country.

NOTE: Standard and optional fittings can vary according to the demands and specific regulations of each country. The illustrations may indicate optional rather than standard fittings - consult your Case dealer. Furthermore, CNH reserves the right to modify machine specifications without incurring any obligation relating to such changes.