

EQUIPMENT SALES ORDER

| | | | |
|----------------------------------------------------------|----------------|---------------------------------|--------------------------------|
| CUSTOMER/PURCHASER NAME Munster Public Works, Town of | | CUSTOMER NUMBER | ORDER DATE 1/19/2022 |
| D/B/A | | ACCOUNT MANAGER Ray Sullivan | CUSTOMER PO # |
| STREET ADDRESS 508 Fisher Street | | WRITTEN BY Ray | CUSTOMER JOB # |
| CITY Munster | STATE IN | ZIP 46321 | COUNTY Lake |
| CELL PHONE 1-219-712-8754 | BUSINESS PHONE | BUSINESS FAX | E-MAIL cspolnik@munster.org |

NO DELIVERY OF GOODS TO BE MADE UNTIL FULL SETTLEMENT IS RECEIVED

| | | | |
|----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------|
| DELIVERY TO BE MADE ON OR BEFORE | | OR AS SOON AS POSSIBLE | |
| DELIVERY ADDRESS (IF DIFFERENT FROM ABOVE) SAME | | CITY, STATE | ZIP |
| QUANTITY NEW 1 | USED | RENTAL | YEAR 2022 |
| HOURS new | MAKE, MODEL, DESCRIPTION Case 721G XR wheel loader enhanced cab, visibility package, JRB coupler 2.75 yd 4in1, L3 Radials, full fenders skid plate, return to case drain, cold weather option ProCare scheduled maintenance included | | SERIAL NUMBER to be determined Case Municipal Discount SiteWatch telematics |
| CASH PRICE EACH ITEM \$ 227,000.00 | | | SELLING PRICE \$ 227,000.00 |

TRADE-IN EQUIPMENT

TRADE-IN SHIP TO: ☐ Bolingbrook ☐ McHenry ☐ Schererville

TRANSPORTATION TO BE PAID BY: ☐ CUSTOMER ☐ MCCANN

| YEAR | HOURS | MAKE | MODEL | SERIAL# | TRADE ALLOWANCE | AMT OWING | NET TRADE ALLOWANCE | OWED TO WHOM | NOTE # |
|-----------------------|-------|------|---------|-----------|-----------------|-----------|---------------------|--------------|--------|
| 2012 | 3668 | Case | 721F XR | NCF216198 | 40,000.00 | | 40,000.00 | | |
| | | | | | | | 0.00 | | |
| | | | | | | | 0.00 | | |
| TOTAL TRADE ALLOWANCE | | | | | 40,000.00 | 0.00 | 40,000.00 | | |

Purchaser hereby bargains, sells and conveys unto Seller the above described Trade-In Equipment and warrants and certifies it to be free and clear of liens, encumbrances, and security interests except as shown above.

OTHER FEES

| | | |
|-------------------------------|----|------|
| 1. Doc Fees | \$ | |
| 2. License & Title | \$ | |
| 3. Extended Service Contract | \$ | |
| 4. Physical Damage Insurance | \$ | |
| 5. Total Other Fees (1+2+3+4) | \$ | 0.00 |

| | |
|-------------------------------------|----------------------|
| 1. SELLING PRICE | \$ 227,000.00 |
| 2. TRADE ALLOWANCE (per above) | \$ 40,000.00 |
| 3. NET PRICE (1-2) | \$ 187,000.00 |
| 4. LOCAL SALES TAX | Exempt 0.00% \$ 0.00 |
| 5. AMOUNT OWING | \$ 0.00 |
| 6. FREIGHT | \$ |
| 7. OTHER FEES (per left column) | \$ 0.00 |
| 8. TOTAL PRICE (3+4+5+6+7) | \$ 187,000.00 |
| 9. CASH WITH ORDER | \$ |
| 10. RENTAL CREDIT (per left column) | \$ 0.00 |
| 11. BALANCE ON DELIVERY (8-9-10) | \$ 187,000.00 |

RENTAL CREDIT CALCULATION

| | |
|----------------------------------------------------------------------------------------------------------------|---------|
| 1. # Months | |
| 2. Monthly Rental Rate | \$ |
| 3. Total Rental (1x2) | \$ 0.00 |
| 4. % Credit Granted | 0.00% |
| If purchased within: 0-30 days.....100% applied 31-60 days.....90% applied 61 & after.....85% applied | |
| 5. Rental Credit (3x4) | \$ 0.00 |

TERMS: ☒ CASH ON DELIVERY
☐ RETAIL INSTALLMENT CONTRACT (Terms Subject to Credit Approval)
 If retail contract, indicate desired length of contract _____ years
 If retail contract, indicate desired interest rate _____ %
☐ LKE Exchange Transaction

Notification is hereby provided that McCann Industries, Inc. has assigned to a qualified intermediary its rights to sell any rental assets listed within this document as part of a like-kind exchange.

PLEASE SEE REVERSE SIDE FOR TERMS AND SIGNATURE

ALL TERMS SUBJECT TO CREDIT APPROVAL PAGE 1 OF 2

BASE WARRANTY ON EQUIPMENT

Warranty coverage on the equipment covered by this order, if any, has been explained to purchaser. The warranty coverage is outlined below and indicated by the box checked.

☒ NEW CASE PRODUCT WARRANTY or qualified Case warranty

WARRANTIES PROVIDED BY THE SELLER ON NEW CASE PRODUCTS SHALL BE GIVEN TO PURCHASER UNDER SEPARATE AGREEMENT, THE RECEIPT

WHEREOF IS HEREBY ACKNOWLEDGED BY PURCHASER.

☐ NEW - Other manufacturer's warranty

☐ USED - When the equipment covered by this order is used equipment, THE PURCHASER STATES THAT HE EXAMINED THE EQUIPMENT and is buying the equipment AS IS and with NO REPRESENTATIONS OF WARRANTIES unless otherwise stated in writing below.

EXTENDED SERVICE CONTRACT

Initial Accept Initial Decline \$ Deductible

☐ Full Machine ☐ Power Train ☐ Power Train + Hydraulics ☐ Power Train + Electronics Hours Months

purchased, the term of the extended service contract begins concurrently with the base warranty start date and ends with extended service contract expiration date or maximum hours (whichever comes first).

PREVENTATIVE MAINTENANCE PACKAGE

Quote Number Initial Accept Initial Decline

Purchase Price \$ Term: Years Hours Financed with Machine: Yes ☐ No ☐

PREVENTATIVE MAINTENANCE PACKAGE SHALL BE GIVEN TO PURCHASER UNDER SEPARATE AGREEMENT, THE RECEIPT WHEREOF IS HEREBY ACKNOWLEDGED BY PURCHASER

PHYSICAL DAMAGE INSURANCE

Initial Accept Initial Decline \$ Deductible

Premium Calculation: Selling Price of Equipment (excluding sales tax) X Monthly Rate X Number of Months = Total Premium
\$ X X = \$0

SALES AGREEMENT

The Customer requests that McCann Industries, Inc. (hereinafter referred to as "McCann"), sell, rent, loan, demo, service, and repair goods and equipment on account in consideration of which the Customer and McCann agree as follows:

Payment for equipment is due at time of order and in no event shall equipment be delivered prior to full settlement. The Customer shall pay the full amount of any outstanding balance shown on the monthly statement within thirty (30) days of the invoice date. Should payment not be received by McCann according to the credit terms stated, the entire balance is considered in default and due for immediate payment. Customer agrees to pay a service charge on the outstanding balance for which payment has not been received according to terms stated. The service charge shall be a minimum of 1-1/2% per month of the Customer's outstanding past due balance, after deducting current payments and credits. Such service charges shall become part of the Customer's outstanding balance. Customer agrees to pay McCann a reasonable processing fee to cover any check returned by Customer's bank as unpaid. If the Customer fails to pay pursuant to the terms of this agreement and McCann elects to take action to collect this Account, the Customer shall pay all costs incurred by McCann including, but not limited to: Attorney's fees, collection agency fees, court costs, deposition and transcript costs, sheriff's fees, special process server fees, expert witness fees and bond costs. THE CUSTOMER ASSIGNS AS SECURITY FOR ANY INDEBTEDNESS INCURRED OR TO BE INCURRED TO MCCANN UNDER THIS ACCOUNT ALL OF THE CUSTOMER'S PRESENTLY OWNED AND EXISTING AND HEREAFTER ACQUIRED AND ARISING: ACCOUNTS, ACCOUNTS RECEIVABLE, CONTRACT RIGHTS, CHATTEL PAPER, EQUIPMENT, INVENTORY, AND ALL PROCEEDS OF THE FOREGOING COLLATERAL. CUSTOMER APPOINTS ANY REPRESENTATIVE OF MCCANN AS CUSTOMER'S ATTORNEY-IN-FACT TO SIGN AND FILE A UCC-1 FINANCING STATEMENT TO PERFECT THE SECURITY INTEREST. THIS TRANSACTION SHALL BE GOVERNED BY THE LAW OF THE STATE OF ILLINOIS, AND JURISDICTION AND VENUE FOR THE HEARING FOR ANY MATTER IN DISPUTE SHALL BE WITH THE DUPAGE COUNTY CIRCUIT COURT OF ILLINOIS. Customer waives any right to a jury trial and any right to file a Counter-Claim in any action to enforce this agreement. At McCann's sole discretion, any deposition will take place in DuPage County.

Time of the essence of this contract and if Customer fails to comply with any of the terms and conditions hereof or default in the payment of any installment hereunder or upon any renewals hereof, or in the payment of interest or defaults in the payment of any installment due under any other indebtedness or contract held by the McCann or Assignor, or if proceedings are instituted against Customer under any bankruptcy or insolvency law or Customer makes an assignment for the benefit of creditors or if for any reason the McCann deems himself insecure and so declares all payments heretofore made by Customer shall be released by the McCann and all indebtedness hereunder shall become immediately due and payable, with or without notice, together with all expenses of collection by suit or otherwise, including reasonable attorney fees and McCann may, without notice or demand, take possession of the equipment set forth on the reverse hereof, or any additions, replacements of, or any proceeds from said equipment or may render the property unusable or McCann may restate Customer to assemble the property and make it available at a place designated by McCann. McCann may resell the resold property at public or private Sales in accordance with the Uniform Commercial Code or applicable state or provincial law. After deducting reasonable expenses for retaking, repairing, holding, preparing for sale, other selling expenses including attorney fees and legal expenses, the remaining proceeds of Sale shall be credited upon the amount of indebtedness remaining unpaid hereunder, and Customer agrees to pay any deficiency upon demand by McCann, and surplus, shall be paid to Customer. Said retaking or repossession shall not be deemed rescission of the contract. McCann may exercise any other rights and remedies provided by applicable law. The remedies provided for herein are not exclusive and any action to enforce payment shall not waive or affect any of the holder's rights to have recourse to the property. The transfer of this contract shall operate to pass a security interest in the property as security for the payment hereof.

The Customer acknowledges that it has special skill and knowledge in the selection and use of the equipment and material to be purchased, loaned, used for demo or rented from McCann and expressly disclaims any reliance upon any statements or representations made or to be made by McCann regarding the safe, rental, demo or repair of any material or equipment. The Customer also acknowledges that it is their responsibility to comply with the manufacturer's instructions in regard to storage, preparation, mixing, and application of materials and expressly disclaims any reliance upon any statements or representations made or to be made by McCann regarding the materials. MCCANN MAKES NO WARRANTIES, EXPRESSED OR IMPLIED AS TO THE EQUIPMENT'S MERCHANTABILITY OF FITNESS FOR ANY PARTICULAR PURPOSE. The Customer also waives any liability upon McCann for any direct, special, or consequential damages that Customer may suffer. The exact manner in which this equipment will be used and the qualifications of the user and the equipment or lack of equipment of the user are beyond the control of the McCann, therefore McCann expressly disclaims any responsibility for Customer's compliance or failure to comply with OSHA and/or other governmental safety or health regulations or standards.

The Customer authorizes any of its employees it sends to McCann to deliver or pick up equipment or materials, for purchase, loan, demo, rental, or repair, to sign demo, rental or delivery receipts or repair orders for said equipment or materials and agrees to be bound by all the terms of said documents. If McCann's employees assist in loading or unloading, the Customer agrees to assume the risk of, and hold McCann harmless from, any property damaged or personal injuries attributable to the negligence of McCann, including McCann's employees. In the event the Customer directs McCann to deliver any material or equipment, and the Customer does not have a representative present at the time of delivery, the Customer authorizes McCann to leave the material and equipment at the designated place of delivery. Upon said delivery, the Customer will be responsible for said material and equipment. McCann's use of a purchase order number is for Customer's convenience and identification only. This agreement supersedes any inconsistent provision in any purchase order. Absence of a purchase order number shall not constitute grounds for non-payment of charges when the Customer has had possession, or the right to possession of the items charged. Customer agrees to inspect all material immediately upon delivery to verify: (a) the quantities described in the agreement are the quantities delivered and (b) there are no visible defects in the material. The Customer also agrees to examine all delivery tickets and invoices upon receipt. Unless the Customer gives McCann written notice by certified mail-return receipt requested within three (3) days of delivery, the Customer waives any claim he may have against McCann for any determinable deficiency or defect in said delivery, product, or repair, and any objection he may have to the amount of the invoice.

The Customer shall indemnify and hold McCann harmless against any and all claims, demands, liabilities, losses, damages, and injuries whatsoever kind or nature and all attorney's fees, costs and expenses relating to or in any way arising out of the ordering, acquisition, delivery, installation, possession, maintenance, use, operation, control, loss, damage, destruction, return, surrender, sale or disposition of the material and/or equipment purchased, loaned, used for demo or rented from McCann. This indemnity shall not be affected by termination of this agreement with respect to said materials and equipment. McCann shall be excused if delivery is delayed or rendered impossible by differences with workmen, strikes, work stoppages, car shortages, delays in transportation, inability to obtain labor or materials and also by any cause beyond the reasonable control of McCann, including but not restricted to acts of God, floods, fire, storm, acts of civil and military authorities, war and insurrections.

The parties agree that this is the entire agreement and that no oral representation or agreement has been made which would modify this agreement or be a condition precedent or subsequent to the enforcement of this agreement and that this agreement may not be modified except by a writing signed by each of the parties. The invalidity of any portion of this agreement shall not be construed as a waiver thereof and shall not excuse Customer from strict performance. Customer authorizes McCann to insert the serial and/or model numbers of the goods set forth on the reverse side hereof for the purposes of identifying said equipment.

Customer represents that he has read and has been afforded the opportunity to read the terms of this agreement and agrees to be bound by them.

IT IS UNDERSTOOD THAT THIS IS THE ENTIRE AGREEMENT BETWEEN PARTIES AND IS SUBJECT TO ACCEPTANCE AT ADDISON, ILLINOIS.

ACCOUNT MANAGER: Ray Sullivan

PURCHASER:

(COMPANY)

BY: DATE: 1/19/2022

Authorized Signature

BY: DATE:

Authorized Signature

ACCEPTED: MCCANN INDUSTRIES, INC.

NAME: TITLE:

Print Name

NOTICE TO PURCHASER

REV. 7/2007

Caution. Do not sign this contract before you thoroughly read both sides of it or if it contains blank spaces, even if otherwise advised. You are entitled to an exact and completely filled-in copy of this Contract when you sign it. Keep it to protect your legal rights.

PAGE 2 OF 2

Illinois

Addison
543 S. Rohlwing Rd.
Addison, IL 60101
Phone: (630) 627-0000
Fax: (630) 627-8711

Bolingbrook
250 E. North Frontage Rd.
Bolingbrook, IL 60440
Phone: (630) 739-7770
Fax: (630) 739-7699

Chicago
2350 S. LaSalle St.
Chicago, IL 60608
Phone: (312) 942-9200
Fax: (312) 421-3502

Crestwood
4701 West 137th St
Crestwood, IL 60445
Phone: (708) 597-3110
Fax: (708) 597-9945

McHenry
4102 W. Crystal Lake Rd.
McHenry, IL 60050
Phone: (815) 385-0420
Fax: (815) 385-2975

Wauconda
1360 N. Rand Rd.
Wauconda, IL 60084
Phone: (847) 526-9444
Fax: (847) 526-9448

Indiana

Schererville
1133 Indianapolis Blvd.
Schererville, IN 46375
Phone: (219) 865-6545
Fax: (219) 865-0289



ENGINE

| | |
|-------------------------------------------------|--------------------------------------------------------------|
| Make | FPT |
| Model | F4HFE613T |
| Emissions Certification | Tier 4 Final |
| Emissions Technology | SCR/DOC |
| Type | 4-stroke, turbocharged and air-to-air cooled |
| Cylinders | 6-cylinder in-line |
| Bore/Stroke | 4.09 x 5.20 in (104 x 132 mm) |
| Displacement | 411 in ³ (6.7 L) |
| Fuel | #2 Diesel, #1 and #2 mixture permitted for cold temperatures |
| Fuel injection | Direct Injection – electronic |
| Fuel filter | Replaceable |
| Fuel pump | Bosch CR/CP3 |
| Gradeability: | |
| Side-to-side | 35° |
| Fore and aft | 35° |
| Air filter | Dry type elements w/ warning restriction indicator |
| Mid-mount cooling module w/ auto reversing fan: | |
| Mid-mount Air/Water w/ Lube Oil Cooler | |
| Fan – hydraulic driven: | |
| Style | 8 blade puller |
| Diameter | 32 in (813 mm) |
| Water pump | Integral |
| Engine oil pump operating angle ratings: | |
| Side-to-side | 35° |
| Fore and aft | 35° |
| Oil filtration | Replaceable |
| Engine speeds | RPM |
| Rated – full load | 2000 |
| Horsepower – Maximum Power: | |
| Peak gross @ 2000 RPM | 195 hp (145 kW) |
| Net rated @ 2000 RPM | 179 hp (133 kW) |
| Peak net @ 2000 RPM | 179 hp (133 kW) |
| Torque – Maximum Power: | |
| Gross @ 1300 RPM | 701 lb-ft (950 N-m) |
| Net @ 1300 RPM | 674 lb-ft (914 N-m) |
| Net torque rise: | |
| Maximum power range | 43% |

NOTE: Gross horsepower and torque per SAE J1995.
Net horsepower and torque per SAE J1349.

DRIVETRAIN

| | |
|------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| Transmission: | |
| 4F/3R Proportional w/ Electronic Control | |
| Module torque sensing autoshift/manual shift and modulation | |
| Gears | Helical cut |
| Gear ratios – 4-speed | Forward/Reverse |
| 1st | 3.745/3.551 |
| 2nd | 2.184/2.071 |
| 3rd | 1.072/1.017 |
| 4th | 0.636/ — |
| Gear ratios – 5-speed | Forward/Reverse |
| 1st | 3.921/3.718 |
| 2nd | 2.255/2.138 |
| 3rd | 1.466/0.894 |
| 4th | 0.942/ — |
| 5th | 0.613/ — |
| Torque converter: | |
| Stall ratio – 4-speed | 2.813:1 |
| Stall ratio – 5-speed | 2.420:1 |
| Differential: | |
| Limited slip w/ 34% available axle torque to wheel w/ traction | |
| Rear axle oscillation | 24° total |
| Front and rear axles | Front/Rear: |
| Differential ratio | 3.4/3.2 |
| Planetary ratio | 6.0/6.4 |
| Final axle ratio | 20.2/20.4 |
| Heavy-duty axles – optional: | |
| Front axle equipped w/ locking differential | |
| Rear axle equipped w/ open differential | |
| Planetaries | Outboard |
| Service brakes: | |
| Hydraulically actuated, maintenance-free, multiple wet disc w/ accumulator to all four wheels | |
| Brake surface area: | |
| Front hub – each | 600 in ² (0.387 m ²) |
| Rear hub – each | 600 in ² (0.387 m ²) |
| Parking brakes: | |
| Spring-applied hydraulic release disc on transmission output shaft neutralizes power flow to wheels when engaged | |

| | | |
|---------------------------------------|-------------|-------------|
| Travel speeds – 4-speed transmission: | | |
| | Forward | Reverse |
| | mph (kph) | mph (kph) |
| 1st | 4.7 (7.6) | 5.0 (8.0) |
| 2nd | 7.9 (12.8) | 8.4 (13.4) |
| 3rd | 15.2 (24.5) | 15.9 (25.7) |
| 4th | 23.5 (37.8) | — |

| | | |
|---------------------------------------|-------------|-------------|
| Travel speeds – 5-speed transmission: | | |
| | Forward | Reverse |
| | mph (kph) | mph (kph) |
| 1st | 4.5 (7.2) | 4.9 (7.9) |
| 2nd | 7.8 (12.6) | 8.4 (13.5) |
| 3rd | 11.8 (19.0) | 19.3 (31.1) |
| 4th | 18.3 (29.5) | — |
| 5th | 25.0 (40.0) | — |

NOTE: Travel speeds at full engine throttle w/ 20.5 x 25 L3 tires.

EFFECTIVE APRIL 2021

Z-BAR/XT/XR WHEEL LOADER

TIER 4 FINAL CERTIFIED

ELECTRICAL

| | |
|---------------|---------------------------|
| Voltage | 24 Volts, negative ground |
| Alternator | 120 amp |
| Batteries (2) | 12-volt |

OPERATOR ENVIRONMENT

ROPS cab AC w/ heat; 8" LCD touchscreen display, adjustable armrest w/ 3 configurable buttons; Key start; Articulated power steering w/ tilt column; Fully adjustable, suspension seat w/ headrest; Foot throttle; Single lever (joystick) loader control w/ auxiliary function and fully adjustable wrist rest, 2 cup holders; Interior rear view mirror; 3 inch (76 mm) retractable seat belt; Integrated 4-corner strobe; Multiple storage trays; Single brake pedal; F/N/R shuttle switch; Left and Right external rear view mirrors; Pressurized air filtering; Anti-glare window strip; Front and Rear Defroster; Side window, partial/fully open; 2 Dome lights; Wipers, rear and intermittent front; Windshield washers, front and rear; Rubber floor mat; Horn; Radio ready – Includes antenna, speakers, wiring, radio fuse, 20A converter, 12-volt auxiliary power outlet, and USB outlet.

Displays/Gauges:

Digital:

Transmission oil temperature Engine coolant temperature; Fuel Level; DEF level.

LCD screen:

Hour meter; Engine speed; Travel speed; Time; Automatic transmission indication; Current gear selection; FNR indication; DeClutch indication; Engine mode indication; Trip computer A/B; Fuel consumption; Multiple languages, Metric/English; Engine diagnostics; Transmission diagnostics; Warning prompts; Error reporting; Diff. lock*.

Audible/Visual alarms:

Warning lights:

Four-way flashers and turn signals; Brake pressure; Lamp/high beam indication; Engine Block Heater.

Caution warnings:

Parking brake; Coolant temperature; Hydraulic oil temperature; Transmission oil temperature; Air filter; Transmission filter; Hydraulic filter; Alternator; Low fuel.

Critical warnings:

Engine oil pressure; Brake pressure; Steering pressure – w/ aux. steering*; Coolant temperature; Hydraulic oil temperature; Transmission oil temperature.

Backup alarm

Maintenance reminders:

Cab air filter; Engine oil filter; Fuel pre-filter; DEF tank vent filter; SCR supply filter; Hydraulic oil and filter; Engine air filter; Engine coolant; Drive belt; Cab recirculation filter; Engine breather filter; Transmission breather; Front and rear axle fluid; SCR supply module filter.

NOTE: *If equipped w/ option.

OPERATING WEIGHT

Z-Bar

Unit equipped w/ 3.5 yd³ (2.7 m³) MD pln on w/ bolt on edge; 20.5-R25 L3 Radial tires; ROPS cab w/ heater and A/C; Std. battery; Heavy counterweight – 2,764 lb (1 254 kg); Front and rear fenders; Lights; Full fuel/urea; 165 lb (75 kg) operator:

32,633 lb (14 802 kg)

XT

Unit equipped w/ 3.5 yd³ (2.7 m³) CNH GP w/ BOE and CNH JRB coupler w/ edge; 20.5-R25 L3 Radial tires; ROPS cab w/ heater and A/C; Std. battery; Heavy counterweight – 2,764 lb (1 254 kg); Front and rear fenders; Lights; Full fuel/urea; 165 lb (75 kg) operator:

33,814 lb (15 338 kg)

XR

Unit equipped w/ 3.5 yd³ (2.7 m³) pin on bucket w/ bolt on edge; 20.5-R25 L3 Radial tires; ROPS cab w/ heater and A/C; Std. battery; Heavy counterweight – 2,764 lb (1 254 kg); Front and rear fenders; Lights; Full fuel/urea; 165 lb (75 kg) operator:

33,080 lb (15 005 kg)

HYDRAULICS

Main pump – steering/implement:

Closed center pressure/flow compensated

Tandem variable displacement – load-sensing:

Max. rated flow P1: 55.2 gpm @ 2000 RPM
(209 L/min @ 2000 RPM)

Loader control valve:

Closed-center, sectional 2, 3 or 4-function w/ control for lift, tilt and auxiliary hydraulics

Loader auxiliary steering:

Hydraulic orbital center-pivot articulating w/ on-demand oil flow

High pressure standby:

Implement 3,625 psi (25 000 kPa)
Steering 3,500 psi (24 132 kPa)

Filtration:

Filtered vent w/ relief on hydraulic reservoir, maintains 3-5 psi on reservoir, 10-micron, return filter furnishes only clean oil to all components of the system

SERVICE CAPACITIES

Fuel tank 65.0 gal (246.0 L)

DEF tank – Diesel Exhaust Fluid:

Usable capacity 9.8 gal (37.1 L)
Total 15.6 gal (58.9 L)

Hydraulic system:

Reservoir 24.0 gal (90.8 L)
Total 47.0 gal (177.8 L)

Transmission:

Service w/ filter 39.0 qt (34.0 L)

Front and rear axle:

Front axle 37.0 qt (35.0 L)
Rear axle 24.3 qt (23.0 L)

Front and rear axle – optional:

Front axle 37.0 qt (35.0 L)
Rear axle 37.0 qt (35.0 L)

Engine oil w/ filter 16.0 qt (15.1 L)

Cooling system 30.0 qt (28.4 L)

OTHER SPECIFICATIONS

Lift cylinder:

Bore diameter 4.75 in (120.6 mm)
Rod diameter 3.0 in (76 mm)
Stroke 32.59 in (827.9 mm)

Dump cylinder – Z-Bar and XR:

Bore diameter 5.75 in (146 mm)
Rod diameter 3.0 in (76.2 mm)
Stroke 24.75 in (629.4 mm)

Dump cylinder – XT:

Bore diameter 4.5 in (114 mm)
Rod diameter 2.25 in (57.2 mm)
Stroke 33.7 in (856.5 mm)

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.

Cycle time:

Raise w/ rated bucket load:
Z-Bar 5.2 sec
XR 5.2 sec
XT 5.2 sec

Dump w/ rated bucket load:

Z-Bar 1.2 sec
XR 1.2 sec
XT 1.3 sec

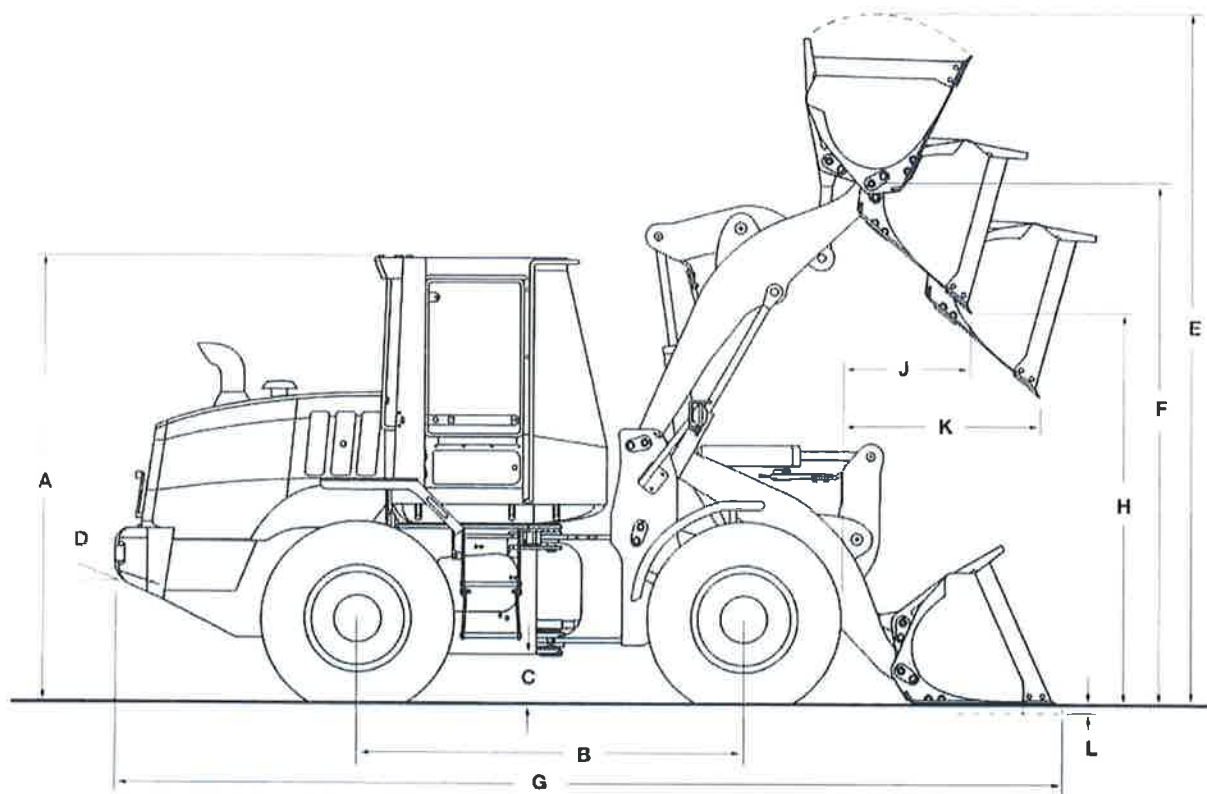
Float down:

Z-Bar 2.4 sec
XR 2.4 sec
XT 2.4 sec

Sound level in Cab (LpA) 68 dB(A)

Exterior sound level (LwA) 103 dB(A)

NOTE: Sound level data tested in accordance with ISO6395, 6396, 3744.



Line drawings are for illustrative purpose only and may not be exact representation of unit.

DIMENSIONS

| | |
|-------------------------------|---------------------|
| A. Height to top of ROPS cab | 133.0 in (3 378 mm) |
| Height to drawbar | 43.5 in (1 105 mm) |
| B. Wheelbase | 128.1 in (3 253 mm) |
| C. Ground clearance | 15.1 in (384 mm) |
| D. Angle of departure | 29° |
| Width: | |
| Overall* without bucket | 100.7 in (2 558 mm) |
| Tread width | 79.9 in (2 030 mm) |
| Turning radius* – outside | 226.3 in (5 748 mm) |
| Turning angle: | |
| From center | 40° |
| Total angle | 80° |
| Rear axle oscillation – total | 24° |

NOTE: *Dimensions taken with 20.5-R25 L3 Radial tires. Additional dimensions on pages 4 through 8.

WEIGHT ADJUSTMENTS

| Select Options | Weight Adjustment | Tipping Load Adjustment Straight: Deflected* | Tipping Load Adjustment 40° Turn: Deflected* |
|--------------------------------|-------------------|-------------------------------------------------|-------------------------------------------------|
| 20.5 x 25 16 ply L2 Bias tires | -564 lb (-256 kg) | -565 lb (-256 kg) | -987 lb (-448 kg) |
| 20.5 x 25 16 ply L3 Bias tires | -536 lb (-243 kg) | +99 lb (+45 kg) | +182 lb (+82 kg) |
| 20.5-R25 L2 Radial tires | -256 lb (-116 kg) | -262 lb (-119 kg) | -118 lb (-54 kg) |
| 20.5-R25 Snow Radial Tires | -132 lb (-60 kg) | -169 lb (-77 kg) | -32 lb (-15 kg) |

NOTE: Unit equipped with Z-Bar loader arms, 3.25 yd³ (2.5 m³) pin on bucket with bolt-on edge, 20.5-R25 L3 Radial tires, ROPS cab with heater and air conditioner, heavy counterweight, heavy-duty batteries, front and rear fenders, full fuel and 165 lb (75 kg) operator. Adjust select options from rated weight.

*Tipping loads: ISO 14397-1 Deflected Tires.

PERFORMANCE SPECS

| 721G Z-Bar | | 3.5 yd ³ (2.7 m ³) Bucket with Bolt-on Edge - Pin On | 3.25 yd ³ (2.5 m ³) Bucket with Bolt-on Edge - Pin On | 3.0 yd ³ (2.3 m ³) Bucket with Bolt-on Edge - Pin On |
|------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Operating weight | | 32,633 lb (14 802 kg) | 32,492 lb (14 738 kg) | 32,403 lb (14 698 kg) |
| E | Operating height – fully raised with spillguard | 208.4 in (5 294 mm) | 205.7 in (5 225 mm) | 203.4 in (5 165 mm) |
| F | Hinge pin height – fully raised | 156.5 in (3 976 mm) | 156.5 in (3 976 mm) | 156.5 in (3 976 mm) |
| G | Overall length – bucket level on ground | 304.0 in (7 721 mm) | 301.6 in (7 660 mm) | 299.4 in (7 606 mm) |
| Dump angle – fully raised | | 50° | 50° | 50° |
| H | Dump height – fully raised, 45° dump | 113.7 in (2 888 mm) | 115.2 in (2 926 mm) | 116.6 in (2 962 mm) |
| J | Bucket reach – fully raised, 45° dump | 46.0 in (1 169 mm) | 44.2 in (1 123 mm) | 42.6 in (1 081 mm) |
| K | Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump | 66.2 in (1 682 mm) | 65.1 in (1 654 mm) | 64.1 in (1 628 mm) |
| L | Dig depth | 3.0 in (77 mm) | 3.0 in (77 mm) | 3.0 in (77 mm) |
| Operating load – ISO Rigid Tires | | 11,108 lb (5 039 kg) | 11,225 lb (5 092 kg) | 11,301 lb (5 126 kg) |
| Operating load – ISO Deflected Tires | | 10,106 lb (4 584 kg) | 10,225 lb (4 638 kg) | 10,305 lb (4 674 kg) |
| Maximum material density – ISO Rigid Tires | | 3,174 lb/yd ³ (1 883 kg/m ³) | 3,454 lb/yd ³ (2 049 kg/m ³) | 3,767 lb/yd ³ (2 235 kg/m ³) |
| Maximum material density – ISO Deflected Tires | | 2,887 lb/yd ³ (1 713 kg/m ³) | 3,146 lb/yd ³ (1 867 kg/m ³) | 3,435 lb/yd ³ (2 038 kg/m ³) |
| Tipping load – ISO Rigid Tires: | Straight | 26,678 lb (12 101 kg) | 26,921 lb (12 211 kg) | 27,074 lb (12 281 kg) |
| | 40° turn | 22,217 lb (10 077 kg) | 22,451 lb (10 184 kg) | 22,602 lb (10 252 kg) |
| Tipping load – ISO Deflected Tires: | Straight | 25,081 lb (11 377 kg) | 25,329 lb (11 489 kg) | 25,490 lb (11 562 kg) |
| | 40° turn | 20,212 lb (9 168 kg) | 20,450 lb (9 276 kg) | 20,609 lb (9 348 kg) |
| Lift capacity: | Full height | 15,904 lb (7 214 kg) | 16,046 lb (7 278 kg) | 16,135 lb (7 319 kg) |
| | Ground | 29,622 lb (13 436 kg) | 29,913 lb (13 568 kg) | 30,124 lb (13 664 kg) |
| Breakout force with tilt cylinder | | 30,485 lb (13 828 kg) | 32,158 lb (14 587 kg) | 33,810 lb (15 336 kg) |
| Loader clearance circle with bucket | | 498.8 in (12 671 mm) | 497.5 in (12 636 mm) | 496.3 in (12 606 mm) |

| 721G XR | | 3.5 yd ³ (2.7 m ³) Bucket with Bolt-on Edge - Pin On | 3.25 yd ³ (2.5 m ³) Bucket with Bolt-on Edge - Pin On | 3.0 yd ³ (2.3 m ³) Bucket with Bolt-on Edge - Pin On |
|------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Operating weight | | 33,080 lb (15 005 kg) | 32,939 lb (14 941 kg) | 32,851 lb (14 901 kg) |
| E | Operating height – fully raised with spillguard | 224.0 in (5 689 mm) | 221.2 in (5 620 mm) | 218.9 in (5 560 mm) |
| F | Hinge pin height – fully raised | 172.1 in (4 370 mm) | 172.1 in (4 370 mm) | 172.1 in (4 371 mm) |
| G | Overall length – bucket level on ground | 318.1 in (8 078 mm) | 315.7 in (8 018 mm) | 313.5 in (7 963 mm) |
| Dump angle – fully raised | | 50° | 50° | 50° |
| H | Dump height – fully raised, 45° dump | 129.2 in (3 282 mm) | 130.8 in (3 321 mm) | 132.1 in (3 356 mm) |
| J | Bucket reach – fully raised, 45° dump | 46.1 in (1 170 mm) | 44.2 in (1 124 mm) | 42.6 in (1 082 mm) |
| K | Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump | 78.5 in (1 995 mm) | 77.3 in (1 965 mm) | 76.2 in (1 937 mm) |
| L | Dig depth | 3.1 in (80 mm) | 3.1 in (80 mm) | 3.1 in (79 mm) |
| Operating load – ISO Rigid Tires | | 9,334 lb (4 234 kg) | 9,442 lb (4 283 kg) | 9,513 lb (4 315 kg) |
| Operating load – ISO Deflected Tires | | 8,569 lb (3 887 kg) | 8,679 lb (3 937 kg) | 8,752 lb (3 970 kg) |
| Maximum material density – ISO Rigid Tires | | 2,667 lb/yd ³ (1 582 kg/m ³) | 2,905 lb/yd ³ (1 724 kg/m ³) | 3,171 lb/yd ³ (1 882 kg/m ³) |
| Maximum material density – ISO Deflected Tires | | 2,448 lb/yd ³ (1 458 kg/m ³) | 2,670 lb/yd ³ (1 585 kg/m ³) | 2,917 lb/yd ³ (1 731 kg/m ³) |
| Tipping load – ISO Rigid Tires: | Straight | 22,489 lb (10 201 kg) | 22,713 lb (10 302 kg) | 22,857 lb (10 368 kg) |
| | 40° turn | 18,668 lb (8 468 kg) | 18,884 lb (8 566 kg) | 19,026 lb (8 630 kg) |
| Tipping load – ISO Deflected Tires: | Straight | 21,299 lb (9 661 kg) | 21,528 lb (9 765 kg) | 21,678 lb (9 833 kg) |
| | 40° turn | 17,137 lb (7 773 kg) | 17,358 lb (7 873 kg) | 17,505 lb (7 940 kg) |
| Lift capacity: | Full height | 14,794 lb (6 710 kg) | 14,936 lb (6 775 kg) | 15,025 lb (6 815 kg) |
| | Ground | 24,637 lb (11 175 kg) | 24,897 lb (11 293 kg) | 25,085 lb (11 378 kg) |
| Breakout force with tilt cylinder | | 30,391 lb (13 785 kg) | 32,058 lb (14 541 kg) | 33,706 lb (15 289 kg) |
| Loader clearance circle with bucket | | 512.6 in (13 020 mm) | 511.0 in (12 980 mm) | 509.7 in (12 945 mm) |

| 721G | | Z-Bar/XR | Z-Bar/XR | Z-Bar/XR |
|---------------------------------------------------|----------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|
| Maximum rollback: | Ground | 40°/37° | 40°/37° | 40°/37° |
| | Carry position | 44°/43° | 44°/43° | 44°/43° |
| | @ Full height | 57°/57° | 57°/57° | 57°/57° |
| Maximum grading angle with bucket – back dragging | | 59°/58° | 58°/58° | 58°/58° |
| SAE bucket capacity – struck Heaped | | 3.00 yd ³ (2.29 m ³) | 2.78 yd ³ (2.13 m ³) | 2.56 yd ³ (1.96 m ³) |
| | | 3.50 yd ³ (2.68 m ³) | 3.25 yd ³ (2.48 m ³) | 3.00 yd ³ (2.29 m ³) |
| Bucket width – outside | | 106.3 in (2 700 mm) | 106.3 in (2 700 mm) | 106.3 in (2 700 mm) |
| Bucket weight | | 2,769 lb (1 256 kg) | 2,629 lb (1 192 kg) | 2,540 lb (1 152 kg) |

PERFORMANCE SPECS

| 721G Z-Bar | | 3.0 yd ³ (2.3 m ³) Bucket with Teeth - Pin On | 3.5 yd ³ (2.7 m ³) Bucket with Bolt-on Edge & Grapple - Pin On | 5.5 yd ³ (4.2 m ³) Bucket with Bolt-on Edge - Pin On |
|------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Operating weight | | 32,390 lb (14 692 kg) | 34,425 lb (15 615 kg) | 33,265 lb (15 089 kg) |
| E. | Operating height – fully raised with spillguard | 205.7 in (5 225 mm) | 273.3 in (6 941 mm) | 223.0 in (5 665 mm) |
| F. | Hinge pin height – fully raised | 156.5 in (3 976 mm) | 156.4 in (3 973 mm) | 156.5 in (3 975 mm) |
| G. | Overall length – bucket level on ground | 307.3 in (7 805 mm) | 304.0 in (7 721 mm) | 320.2 in (8 132 mm) |
| Dump angle – fully raised | | 50° | 50° | 50° |
| H. | Dump height – fully raised, 45° dump | 111.6 in (2 834 mm) | 113.6 in (2 886 mm) | 102.9 in (2 613 mm) |
| J. | Bucket reach – fully raised, 45° dump | 48.6 in (1 236 mm) | 46.0 in (1 167 mm) | 56.7 in (1 439 mm) |
| K. | Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump | 67.8 in (1 723 mm) | 66.1 in (1 680 mm) | 71.1 in (1 806 mm) |
| L. | Dig depth | 3.0 in (75 mm) | 3.1 in (80 mm) | 4.5 in (114 mm) |
| Operating load – ISO Rigid Tires | | 11,397 lb (5 170 kg) | 10,222 lb (4 636 kg) | 10,229 lb (4 640 kg) |
| Operating load – ISO Deflected Tires | | 10,381 lb (4 709 kg) | 9,199 lb (4 173 kg) | 9,264 lb (4 202 kg) |
| Maximum material density – ISO Rigid Tires | | 3,799 lb/yd ³ (2 254 kg/m ³) | 2,920 lb/yd ³ (1 733 kg/m ³) | 1,860 lb/yd ³ (1 104 kg/m ³) |
| Maximum material density – ISO Deflected Tires | | 3,460 lb/yd ³ (2 053 kg/m ³) | 2,628 lb/yd ³ (1 560 kg/m ³) | 1,684 lb/yd ³ (999 kg/m ³) |
| Tipping load – ISO Rigid Tires: | Straight | 27,311 lb (12 388 kg) | 24,924 lb (11 305 kg) | 24,746 lb (11 225 kg) |
| | 40° turn | 22,798 lb (10 340 kg) | 20,443 lb (9 273 kg) | 20,458 lb (9 280 kg) |
| Tipping load – ISO Deflected Tires: | Straight | 25,691 lb (11 653 kg) | 23,297 lb (10 567 kg) | 23,208 lb (10 527 kg) |
| | 40° turn | 20,762 lb (9 417 kg) | 18,398 lb (8 345 kg) | 18,528 lb (8 404 kg) |
| Lift capacity: | Full height | 16,155 lb (7 328 kg) | 14,116 lb (6 403 kg) | 15,247 lb (6 916 kg) |
| | Ground | 30,217 lb (13 706 kg) | 27,759 lb (12 591 kg) | 27,872 lb (12 643 kg) |
| Breakout force with tilt cylinder | | 34,749 lb (15 762 kg) | 28,621 lb (12 982 kg) | 22,682 lb (10 288 kg) |
| Loader clearance circle with bucket | | 501.2 in (12 731 mm) | 498.8 in (12 670 mm) | 508.7 in (12 921 mm) |

| 721G XR | | 3.0 yd ³ (2.3 m ³) Bucket with Teeth - Pin On | 3.5 yd ³ (2.7 m ³) Bucket with Bolt-on Edge & Grapple - Pin On | 5.5 yd ³ (4.2 m ³) Bucket with Bolt-on Edge - Pin On |
|------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Operating weight | | 32,837 lb (14 895 kg) | 34,872 lb (15 818 kg) | 33,712 lb (15 292 kg) |
| E. | Operating height – fully raised with spillguard | 221.2 in (5 620 mm) | 288.8 in (7 335 mm) | 238.6 in (6 060 mm) |
| F. | Hinge pin height – fully raised | 172.1 in (4 371 mm) | 172.0 in (4 368 mm) | 172.0 in (4 369 mm) |
| G. | Overall length – bucket level on ground | 321.4 in (8 163 mm) | 318.0 in (8 078 mm) | 334.1 in (8 486 mm) |
| Dump angle – fully raised | | 50° | 50° | 50° |
| H. | Dump height – fully raised, 45° dump | 127.1 in (3 229 mm) | 129.2 in (3 281 mm) | 118.4 in (3 008 mm) |
| J. | Bucket reach – fully raised, 45° dump | 48.7 in (1 237 mm) | 46.0 in (1 168 mm) | 56.7 in (1 440 mm) |
| K. | Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump | 80.3 in (2 039 mm) | 78.5 in (1 993 mm) | 84.1 in (2 135 mm) |
| L. | Dig depth | 3.1 in (78 mm) | 3.2 in (82 mm) | 4.6 in (116 mm) |
| Operating load – ISO Rigid Tires | | 9,585 lb (4 348 kg) | 8,441 lb (3 829 kg) | 8,576 lb (3 890 kg) |
| Operating load – ISO Deflected Tires | | 8,811 lb (3 997 kg) | 7,659 lb (3 474 kg) | 7,835 lb (3 554 kg) |
| Maximum material density – ISO Rigid Tires | | 3,195 lb/yd ³ (1 896 kg/m ³) | 2,412 lb/yd ³ (1 431 kg/m ³) | 1,559 lb/yd ³ (925 kg/m ³) |
| Maximum material density – ISO Deflected Tires | | 2,937 lb/yd ³ (1 743 kg/m ³) | 2,188 lb/yd ³ (1 298 kg/m ³) | 1,424 lb/yd ³ (845 kg/m ³) |
| Tipping load – ISO Rigid Tires: | Straight | 23,034 lb (10 448 kg) | 20,719 lb (9 398 kg) | 20,836 lb (9 451 kg) |
| | 40° turn | 19,171 lb (8 696 kg) | 16,881 lb (7 657 kg) | 17,152 lb (7 780 kg) |
| Tipping load – ISO Deflected Tires: | Straight | 21,831 lb (9 902 kg) | 19,505 lb (8 848 kg) | 19,682 lb (8 928 kg) |
| | 40° turn | 17,622 lb (7 993 kg) | 15,318 lb (6 948 kg) | 15,669 lb (7 107 kg) |
| Lift capacity: | Full height | 15,044 lb (6 824 kg) | 13,005 lb (5 899 kg) | 14,139 lb (6 413 kg) |
| | Ground | 25,151 lb (11 408 kg) | 22,768 lb (10 327 kg) | 23,100 lb (10 478 kg) |
| Breakout force with tilt cylinder | | 34,641 lb (15 713 kg) | 28,529 lb (12 940 kg) | 22,638 lb (10 268 kg) |
| Loader clearance circle with bucket | | 515.2 in (13 087 mm) | 512.5 in (13 019 mm) | 523.8 in (13 304 mm) |

| 721G | | Z-Bar/XR | Z-Bar/XR | Z-Bar/XR |
|---------------------------------------------------|----------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|
| Maximum rollback: | Ground | 40°/37° | 40°/37° | 41°/38° |
| | Carry position | 44°/43° | 44°/43° | 44°/43° |
| | @ Full height | 57°/57° | 57°/57° | 57°/57° |
| Maximum grading angle with bucket – back dragging | | 59°/59° | 59°/58° | 63°/61° |
| SAE bucket capacity – struck | | 2.62 yd ³ (2.00 m ³) | 3.00 yd ³ (2.29 m ³) | 4.44 yd ³ (3.39 m ³) |
| | Heaped | 3.00 yd ³ (2.29 m ³) | 3.50 yd ³ (2.68 m ³) | 5.50 yd ³ (4.21 m ³) |
| Bucket width – outside | | 106.8 in (2 713 mm) | 106.3 in (2 700 mm) | 106.3 in (2 700 mm) |
| Bucket weight | | 2,526 lb (1 146 kg) | 4,561 lb (2 069 kg) | 3,402 lb (1 543 kg) |

PERFORMANCE SPECS

| 721G Z-Bar | | 3.5 yd ³ (2.7 m ³) Bucket with Bolt-on Edge - JRB Coupler | 3.0 yd ³ (2.3 m ³) Bucket with Bolt-on Edge - JRB Coupler | 3.0 yd ³ (2.3 m ³) Bucket with Bolt-on Edge - ACS Coupler |
|---------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Operating weight | | 33,530 lb (15 209 kg) | 33,344 lb (15 124 kg) | 33,414 lb (15 156 kg) |
| E. | Operating height – fully raised with spillguard | 216.0 in (5 485 mm) | 210.9 in (5 356 mm) | 208.6 in (5 298 mm) |
| F. | Hinge pin height – fully raised | 156.5 in (3 974 mm) | 156.5 in (3 975 mm) | 156.5 in (3 975 mm) |
| G. | Overall length – bucket level on ground | 314.6 in (7 992 mm) | 310.0 in (7 873 mm) | 307.2 in (7 802 mm) |
| Dump angle – fully raised | | 50° | 50° | 50° |
| H. | Dump height – fully raised, 45° dump | 106.8 in (2 711 mm) | 109.9 in (2 791 mm) | 111.6 in (2 835 mm) |
| J. | Bucket reach – fully raised, 45° dump | 53.9 in (1 370 mm) | 51.0 in (1 296 mm) | 48.4 in (1 231 mm) |
| K. | Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump | 70.6 in (1 794 mm) | 69.4 in (1 763 mm) | 67.7 in (1 719 mm) |
| L. | Dig depth | 3.3 in (83 mm) | 2.7 in (69 mm) | 3.1 in (78 mm) |
| Operating load – ISO Rigid Tires | | 10,035 lb (4 552 kg) | 10,020 lb (4 545 kg) | 10,228 lb (4 639 kg) |
| Operating load – ISO Deflected Tires | | 9,093 lb (4 124 kg) | 9,109 lb (4 132 kg) | 9,293 lb (4 215 kg) |
| Maximum material density – ISO Rigid Tires | | 2,867 lb/yd ³ (1 701 kg/m ³) | 3,340 lb/yd ³ (1 982 kg/m ³) | 3,409 lb/yd ³ (2 023 kg/m ³) |
| Maximum material density – ISO Deflected Tires | | 2,598 lb/yd ³ (1 541 kg/m ³) | 3,036 lb/yd ³ (1 802 kg/m ³) | 3,098 lb/yd ³ (1 838 kg/m ³) |
| Tipping load – ISO Rigid Tires: | | | | |
| | Straight 40° turn | 24,301 lb (11 023 kg) 20,069 lb (9 103 kg) | 24,202 lb (10 978 kg) 20,040 lb (9 090 kg) | 24,704 lb (11 205 kg) 20,456 lb (9 279 kg) |
| Tipping load – ISO Deflected Tires: | | | | |
| | Straight 40° turn | 22,803 lb (10 343 kg) 18,185 lb (8 249 kg) | 22,759 lb (10 323 kg) 18,217 lb (8 263 kg) | 23,222 lb (10 533 kg) 18,586 lb (8 430 kg) |
| Lift capacity: | | | | |
| | Full height Ground | 14,992 lb (6 800 kg) 27,377 lb (12 418 kg) | 15,171 lb (6 881 kg) 26,989 lb (12 242 kg) | 15,111 lb (6 854 kg) 27,954 lb (12 680 kg) |
| Breakout force with tilt cylinder | | 24,386 lb (11 062 kg) | 26,469 lb (12 006 kg) | 28,136 lb (12 762 kg) |
| Loader clearance circle with bucket | | 505.2 lb (12 831 mm) | 502.3 in (12 758 mm) | 500.7 in (12 717 mm) |
| 721G XR | | 3.5 yd ³ (2.7 m ³) Bucket with Bolt-on Edge - JRB Coupler | 3.0 yd ³ (2.3 m ³) Bucket with Bolt-on Edge - JRB Coupler | 3.0 yd ³ (2.3 m ³) Bucket with Bolt-on Edge - ACS Coupler |
| Operating weight | | 33,977 lb (15 412 kg) | 33,791 lb (15 327 kg) | 33,861 lb (15 359 kg) |
| E. | Operating height – fully raised with spillguard | 231.5 in (5 880 mm) | 226.4 in (5 751 mm) | 224.1 in (5 692 mm) |
| F. | Hinge pin height – fully raised | 172.0 in (4 369 mm) | 172.0 in (4 369 mm) | 172.0 in (4 369 mm) |
| G. | Overall length – bucket level on ground | 328.7 in (8 349 mm) | 324.1 in (8 232 mm) | 321.2 in (8 159 mm) |
| Dump angle – fully raised | | 50° | 50° | 50° |
| H. | Dump height – fully raised, 45° dump | 122.3 in (3 106 mm) | 125.4 in (3 186 mm) | 127.1 in (3 230 mm) |
| J. | Bucket reach – fully raised, 45° dump | 54.0 in (1 371 mm) | 51.1 in (1 297 mm) | 48.5 in (1 232 mm) |
| K. | Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump | 83.3 in (2 117 mm) | 81.9 in (2 081 mm) | 80.1 in (2 034 mm) |
| L. | Dig depth | 3.4 in (85 mm) | 2.8 in (72 mm) | 3.2 in (81 mm) |
| Operating load – ISO Rigid Tires | | 8,409 lb (3 814 kg) | 8,426 lb (3 822 kg) | 8,581 lb (3 892 kg) |
| Operating load – ISO Deflected Tires | | 7,682 lb (3 484 kg) | 7,720 lb (3 502 kg) | 7,859 lb (3 565 kg) |
| Maximum material density – ISO Rigid Tires | | 2,403 lb/yd ³ (1 426 kg/m ³) | 2,809 lb/yd ³ (1 667 kg/m ³) | 2,860 lb/yd ³ (1 697 kg/m ³) |
| Maximum material density – ISO Deflected Tires | | 2,195 lb/yd ³ (1 302 kg/m ³) | 2,573 lb/yd ³ (1 527 kg/m ³) | 2,620 lb/yd ³ (1 554 kg/m ³) |
| Tipping load – ISO Rigid Tires: | | | | |
| | Straight 40° turn | 20,462 lb (9 281 kg) 16,818 lb (7 628 kg) | 20,447 lb (9 275 kg) 16,853 lb (7 644 kg) | 20,821 lb (9 444 kg) 17,161 lb (7 784 kg) |
| Tipping load – ISO Deflected Tires: | | | | |
| | Straight 40° turn | 19,333 lb (8 769 kg) 15,363 lb (6 969 kg) | 19,354 lb (8 779 kg) 15,439 lb (7 003 kg) | 19,703 lb (8 937 kg) 15,717 lb (7 129 kg) |
| Lift capacity: | | | | |
| | Full height Ground | 13,884 lb (6 298 kg) 22,753 lb (10 321 kg) | 14,063 lb (6 379 kg) 22,866 lb (10 372 kg) | 14,003 lb (6 351 kg) 23,201 lb (10 524 kg) |
| Breakout force with tilt cylinder | | 24,311 lb (11 027 kg) | 26,378 lb (11 965 kg) | 28,045 lb (12 721 kg) |
| Loader clearance circle with bucket | | 519.8 in (13 202 mm) | 516.5 in (13 120 mm) | 514.7 in (13 073 mm) |
| 721G | | Z-Bar/XR | Z-Bar/XR | Z-Bar/XR |
| Maximum rollback: | | | | |
| | Ground | 40°/37° | 40°/37° | 40°/37° |
| | Carry position | 44°/43° | 44°/43° | 44°/43° |
| | @ Full height | 57°/57° | 57°/57° | 57°/57° |
| Maximum grading angle with bucket – back dragging | | 62°/60° | 60°/59° | 60°/59° |
| SAE bucket capacity – struck | | 3.00 yd ³ (2.29 m ³) | 2.56 yd ³ (1.96 m ³) | 2.56 yd ³ (1.96 m ³) |
| Heaped | | 3.50 yd ³ (2.68 m ³) | 3.00 yd ³ (2.29 m ³) | 3.00 yd ³ (2.29 m ³) |
| Bucket width – outside | | 106.3 in (2 700 mm) | 106.3 in (2 700 mm) | 106.3 in (2 700 mm) |
| Bucket weight | | 3,666 lb (1 663 kg) | 3,480 lb (1 579 kg) | 3,551 lb (1 611 kg) |

PERFORMANCE SPECS

| 721G XT | | 3.5 yd ³ (2.7 m ³) Bucket with Bolt-on Edge - JRB Coupler | 3.0 yd ³ (2.3 m ³) Bucket with Bolt-on Edge - JRB Coupler | 2.8 yd ³ (2.1 m ³) Bucket with Teeth - JRB Coupler** | 3.0 yd ³ (2.3 m ³) Bucket with Bolt-on Edge - ACS Coupler*** |
|------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Operating weight | | 33,814 lb (15 338 kg) | 33,392 lb (15 146 kg) | 33,290 lb (15 100 kg) | 33,861 lb (15 359 kg) |
| E. | Operating height – fully raised with spillguard | 222.2 in (5 643 mm) | 217.1 in (5 515 mm) | 217.1 in (5 516 mm) | 219.1 in (5 564 mm) |
| F. | Hinge pin height – fully raised | 163.6 in (4 156 mm) | 163.6 in (4 157 mm) | 163.7 in (4 157 mm) | 163.6 in (4 156 mm) |
| G. | Overall length – bucket level on ground | 317.1 in (8 054 mm) | 312.7 in (7 942 mm) | 318.4 in (8 086 mm) | 315.2 in (8 005 mm) |
| Dump angle – fully raised | | 55° | 55° | 55° | 55° |
| H. | Dump height – fully raised, 45° dump | 112.0 in (2 846 mm) | 114.9 in (2 919 mm) | 111.3 in (2 827 mm) | 113.3 in (2 878 mm) |
| J. | Bucket reach – fully raised, 45° dump | 53.3 in (1 355 mm) | 50.2 in (1 275 mm) | 54.6 in (1 388 mm) | 52.1 in (1 323 mm) |
| K. | Bucket reach – 7 ft 0 in (2.13 m) height, 45° dump | 73.7 in (1 871 mm) | 72.0 in (1 828 mm) | 74.6 in (1 894 mm) | 73.1 in (1 856 mm) |
| L. | Dig depth | 3.7 in (94 mm) | 3.5 in (89 mm) | 3.4 in (87 mm) | 3.5 in (90 mm) |
| Operating load – ISO Rigid Tires | | 9,571 lb (4 341 kg) | 9,679 lb (4 390 kg) | 9,825 lb (4 456 kg) | 9,301 lb (4 219 kg) |
| Operating load – ISO Deflected Tires | | 8,654 lb (3 925 kg) | 8,788 lb (3 986 kg) | 8,922 lb (4 047 kg) | 8,427 lb (3 822 kg) |
| Maximum material density – ISO Rigid Tires | | 2,710 lb/yd ³ (1 608 kg/m ³) | 3,226 lb/yd ³ (1 914 kg/m ³) | 3,509 lb/yd ³ (2 082 kg/m ³) | 3,100 lb/yd ³ (1 840 kg/m ³) |
| Maximum material density – ISO Deflected Tires | | 2,450 lb/yd ³ (1 454 kg/m ³) | 2,929 lb/yd ³ (1 738 kg/m ³) | 3,187 lb/yd ³ (1 891 kg/m ³) | 2,809 lb/yd ³ (1 667 kg/m ³) |
| Tipping load – ISO Rigid Tires: | Straight | 23,209 lb (10 527 kg) | 23,361 lb (10 596 kg) | 23,690 lb (10 745 kg) | 22,545 lb (10 226 kg) |
| | 40° turn | 19,142 lb (8 682 kg) | 19,357 lb (8 780 kg) | 19,650 lb (8 913 kg) | 18,602 lb (8 438 kg) |
| Tipping load – ISO Deflected Tires: | Straight | 21,741 lb (9 861 kg) | 21,942 lb (9 953 kg) | 22,250 lb (10 092 kg) | 21,152 lb (9 595 kg) |
| | 40° turn | 17,307 lb (7 850 kg) | 17,577 lb (7 973 kg) | 17,844 lb (8 094 kg) | 16,854 lb (7 645 kg) |
| Lift capacity: | Full height | 14,059 lb (6 377 kg) | 14,396 lb (6 530 kg) | 14,564 lb (6 606 kg) | 13,839 lb (6 277 kg) |
| | Ground | 30,839 lb (13 989 kg) | 31,434 lb (14 258 kg) | 31,483 lb (14 281 kg) | 31,098 lb (14 106 kg) |
| Breakout force with tilt cylinder | | 25,542 lb (11 586 kg) | 27,817 lb (12 618 kg) | 29,706 lb (13 474 kg) | 26,353 lb (11 954 kg) |
| Loader clearance circle with bucket | | 497.9 in (12 646 mm) | 496.0 in (12 598 mm) | 498.8 in (12 670 mm) | 497.0 in (12 624 mm) |

721G

| | | | | | |
|---------------------------------------------------|----------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|---------------------------------------------|
| Maximum rollback: | Ground | 58° | 58° | 58° | 58° |
| | Carry position | 58° | 58° | 58° | 58° |
| | @ Full height | 58° | 58° | 58° | 58° |
| Maximum grading angle with bucket – back dragging | | 61° | 62° | 61° | 62° |
| SAE bucket capacity – struck | | 3.01 yd ³ (2.30 m ³) | 2.42 yd ³ (1.85 m ³) | 2.56 yd ³ (1.96 m ³) | 2.42 yd ³ (1.85 m ³) |
| | Heaped | 3.53 yd ³ (2.70 m ³) | 2.80 yd ³ (2.14 m ³) | 3.00 yd ³ (2.29 m ³) | 2.80 yd ³ (2.14 m ³) |
| Bucket width – outside | | 106.3 in (2 700 mm) | 106.8 in (2 713 mm) | 106.3 in (2 700 mm) | 106.8 in (2 713 mm) |
| Bucket weight | | 3,601 lb (1 633 kg) | 3,077 lb (1 396 kg) | 3,648 lb (1 655 kg) | 3,545 lb (1 608 kg) |

NOTE: Performance data unit equipped with 20.5-R25 L3 Radial tires, ROPS cab with heater and A/C, heavy counterweight, standard batteries, front and rear fenders, full fuel and 165 lb (75 kg) operator. Specifications per SAE J732, J1234, J695, J742 and J818.

STANDARD EQUIPMENT

OPERATOR ENVIRONMENT

See page 1

ENGINE

CASE/FPT F4HFE613W
Tier 4 Final Certified
Selective Catalytic Reduction (SCR) with
Diesel Oxidation Catalyst
Selectable work modes:
Maximum Mode
Smart Mode
Turbocharger
Charge air cooling
Automatic belt tensioner
Integral engine oil cooling
Fuel filter with water trap
Dual-element dry-type air cleaner
Hydraulic-driven cooling fan
Air-cooled radiator
Mid-mounted cooling module with
hydraulically driven auto reversing fan
Engine block heater
Common rail electronic fuel injection

LOADER

See page 2 – Operating weight,
Other specifications

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
Limited-slip differentials – Z-Bar
Outboard planetary axles
Transmission oil cooler
Brake pedal transmission
disconnect – declutch
Hydraulic wet disc brakes
Spring-applied hydraulic release
parking brake
Limp-Home Mode
Greaseable rear axle trunnion
3-piece rims

HYDRAULICS

Adjustable Electro-hydraulic - EH loader
control with one auxiliary function and
3 configurable buttons
Adjustable EH settings:
Smooth
Moderate
Aggressive
Auxiliary Hydraulics
Ride Control™
Locking hydraulics for coupler
EH Parallel Lift
Low-effort steering
Hydraulic driven cooling fan
Diagnostic quick couplers
Hydraulic oil cooler

ELECTRICAL

Alternator and voltage regulator
Battery isolator/electrical disconnect
120 amp alternator
(2) 700 CCA 12-volt batteries
Electric starter
Lights:
Integrated 4-corner strobe
2 Front and 2 rear halogen flood lights
2 Front driving headlights – high/low beam
with integrated turn signals
2 LED stop/tail lights with integrated
turn signals
Key start/stop switch
Backup alarm
Centrally located fuse box
with all electrical circuits protected
Remote jump start posts

OTHER

Electric hood lift
Front and rear fenders, partial coverage
External rear view mirrors
Heavy counterweight
Drawbar hitch
Articulation locking bar
Lift arm locking bar
Lift and tie-down points – front/rear
Rear frame side covers
License plate brackets; front bracket
and lift rear bracket
Rubber steering stops
Grouped remote-mounted ecology drains:
Engine oil
Engine coolant
Hydraulic oil

TELEMATICS

CASE SiteWatch™ Telematics – includes
hardware and a 3-yr Advanced
data subscription
SiteConnect Module providing remote
diagnostics capability

OPTIONAL EQUIPMENT

OPERATOR ENVIRONMENT

- Cloth-covered heated air-suspension seat with headrest
- Sound Shield noise suppression package
- Bluetooth radio, 12V AM/FM with auxiliary input
- Cab convenience package:
 - Rear sun shade, interior mirror, under the seat drawer, coat hook, 12V accessory port, and an ash tray
- In cab powered cooler box
- In cab accessory mount
- Rear view camera
- External heated rear view mirrors
- Front LED driving/headlights
- LED front and rear work lights – 4 front, 2 rear

DRIVETRAIN

- 5F/3R Autoshift/manual shift transmission, lockup torque converter, PowerInch de-clutch
- Heavy-duty axles:
 - With locking front differential and open/conventional rear differential
- Cold weather package:
 - Heavy-duty (2) 950 CCA 12V batteries
 - Fuel heater
 - Hydraulic oil cooler bypass
 - Low temperature hydraulic oil
 - Fast-warm hydraulic valve

HYDRAULICS

- Secondary steering
- Integrated Payload System
- Tire Pressure Monitoring System
- 2-function loader valve with joystick loader control
- 4-function loader valve with joystick loader control and two proportional auxiliary roller switches

LOADER

- XR extended reach version
- XT tool carrier version
- Attachment auxiliary hydraulics
- Coupler systems – JRB or ACS compatible
- Buckets – see pages 4 through 8

TIRES

- 20.5x25 L2 bias (16 ply) – dirt/traction
- 20.5 x25 L3 bias (16 ply) – rock
- 20.5-R25 L2 radial – dirt/traction
- 20.5-R25 L3 radial – rock
- 20.5-R25 radial Michelin SnoPlus
- Axle oscillation stops

GUARDING

- Skid plate, transmission and front chassis bottom guards

ADVANCED ENGINE AIR FILTRATION

- Heavy Debris cooling system:
 - Slanted cooling module cover
 - Increased cooling fin spacing
 - Added cooling module sealing
- Sy-Klone® ejector type pre-cleaner

OTHER

- Additional RH steps and platform with standard or wide fenders
- 12.4 mph (20 kph) maximum speed control
- Special paint
- Standard fenders with right and left hand steps
- Wide full coverage fenders with right and left hand steps

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CASE Construction Equipment is biodiesel-friendly. NOTE: All engines meet current EPA emissions regulations. All specifications are stated in accordance with SAE Standards or Recommended Practices, where applicable.



Always read the Operator's Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs and use any safety features provided.