



**Hickman-Fulton County
Riverport Authority**

2024

HFCRA Volvo L90H2 Wheeled Loader

Projected Total Cost \$ 305,100

May 15 2024

Prepared By:

Greg Curlin

Executive Director



KENTUCKY PUBLIC RIVERPORT CONSTRUCTION AND MAINTENANCE (KPRCM) APPLICATION

INSTRUCTIONS: A guidance document is provided to assist in completing the application packet and may be accessed at <https://transportation.ky.gov/MultimodalFreight/Pages/KPRCM.aspx>
See the guidance document for required attachments and acceptable methods of submittal.

SECTION 1: APPLICANT INFORMATION

PUBLIC RIVERPORT NAME		TOTAL PROJECT COST	KPRCM FUND	
Hickman-Fulton Co. Riverport Authority Inc.		\$305,100.00	\$268,100.00	
STREET ADDRESS	CITY	STATE	ZIP	
625 Catlett Street	Hickman	KY	42050	
CONTACT NAME & TITLE		PHONE	EMAIL	
Greg Curlin Executive Director		270-236-2563	greg@hickmanriverport.com	

SECTION 2: PROJECT DESCRIPTION

PROJECT TITLE	DURATION
HFCRA Volvo L90H2 Wheeled Loader	4 months weeks

FACILITIES AFFECTED BY THE PROPOSED PROJECT

Owned by Riverport Authority Leased to:

Briefly describe how the project will improve public riverport facilities and infrastructure, to capture the economic and trade potential offered by water transportation.: (Text limited for accurate printing. Attach additional pages as needed.)

This project is to replace 2003 L70E Wheeled Loader located at the Hickman-Fulton Co. Rivport Authority. It is becoming increasingly difficult to manage repairs on the 2003 L70E Wheeled Loader because of to the age of the machine. The new Volvo L90H2 Wheeled Loader will be used to load and unload bulk materials to truck once unloaded from barges. The Volvo L90H2 Wheeled Loader has more safety features, will be more reliable and meet the Tier 4 emission standards. Except for the crane, a wheeled loader is the most important piece of equipment used at the Hickman-Fulton County Riverport Authority.

Select ONE: Applicant plans to use their own manpower, equipment, or materials on the project (Force Account).
 Applicant plans to competitively bid out all work related to the project.

TRAFFIC	CURRENT	AFTER PROJECT
Trucks per day	30	50
Train cars per week	20	20
Barges per week	5	5

FOR KYTC USE ONLY

Date Received: _____	WTAB Approval <input type="checkbox"/> Yes <input type="checkbox"/> No	Notification of Award: _____ MOA #: _____ Notice to Proceed: _____
Application Complete: <input type="checkbox"/> Yes <input type="checkbox"/> No	Sec. Approval <input type="checkbox"/> Yes <input type="checkbox"/> No	
Eligible Applicant? <input type="checkbox"/> Yes <input type="checkbox"/> No	Award Amount _____	
Permits Needed? <input type="checkbox"/> Yes <input type="checkbox"/> No	Award Date: _____	



KENTUCKY PUBLIC RIVERPORT CONSTRUCTION AND MAINTENANCE (KPRCM) APPLICATION

SECTION 3: PERMITS AND APPROVALS

	YES	NO
Has the applicant consulted with state and federal agencies (US Army Corps of Engineers, US Coast Guard, US Fish & Wildlife Service, KY Division of Water, KY Heritage Council, etc.)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has state and federal agency consultation determined permits are needed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have all required permits (environmental, encroachment, etc.) been obtained?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

SECTION 4: SUBMISSION CHECKLIST (See guidance document for details.)

- Kentucky Public Riverport Construction and Maintenance Application
- Statement of Work
- Scope of Work
- Purchase quote or cost estimate for the project
- Project Schedule/Timeline
- Maps, aerial photos, drawings, and photographs, as needed
- Engineering plans, schematics, details, drawings of the proposed project, as needed
- Copies of all correspondence or evidence of consultation that has occurred with state and federal agencies, if app
- Required Affidavit for Bidders, Offerors and Contractors from applicant

SECTION 5: CERTIFICATION

I have read the Kentucky Public Riverport Construction and Maintenance Project Guidance Document and understand and agree to abide by what is stated therein. I agree that incomplete applications, applications missing any of the above required supporting documents, or applications received after the deadline, will be deemed ineligible by Division staff without consideration for KPRCM funds and returned to applicant. I also hereby certify, subject to the provision of KRS 523.100 (unsworn falsification to authorities), that the above information is true and correct to the best of my

PRINTED NAME & TITLE	SIGNATURE	DATE
Greg Curlin Executive Director		5-21-2024

Completed applications and all required attachments must be submitted electronically in PDF format. Paper copies will not be accepted. Emailed applications must be received by the Division by date indicated in call for projects. PDF copies shall be sent via email to: KYTC.ModalPrograms@ky.gov



Detailed Budget

VOLVO L90H2 Wheeled Loader

The Hickman-Fulton County Riverport Authority is requesting to purchase a Volvo L90H2 Wheeled loader from the Commonwealth of Kentucky Master Agreement.

Volvo Rubber-Tired Loader Model L90H

Extended Description:

42% Off Published List Price for Volvo (Rubber Tire Loaders) Models: L60H, L70H, L90H, L110H

List Price: \$ 393,795.00

Price: \$ 228,401.00

Accessories: \$ 77,149.00

Total Cost: \$ 305,100.00 Less Trade: \$37,000.00

Date: 05/21/2024

By: *Greg Curless*

Title: Executive Director



HFCRA VOLVO L90H2 WHEELED LOADER

Copies of correspondence or consultation with state and federal agencies.

Not applicable

Purchase using Commonwealth of Kentucky Master Contract Agreement



HFCRA 2024 VOLVO L90H2 Wheeled Loader Statement of Work

Project Title: HFCRA VOLVO L90H2 WHEELED LOADER PROJECT

Project Grantee: Hickman-Fulton County Riverport Authority

County: Fulton County

Purpose: The project is to replace the riverport's 2003 Volvo L70 Wheeled Loader located at the Hickman-Fulton County Riverport Authority, 625 Catlett Street, Hickman, Kentucky. It is becoming increasingly difficult to manage repairs on the 2003 Volvo L70 Wheeled Loader because of the age of the machine. The new Volvo L90H2 Wheeled Loader will be used to load and unload bulk materials to truck once unloaded from barges. The new Volvo L90H2 Wheeled Loader will come with improved safety features, be more reliable and meet the Tier 4 emission standards. Except for the crane, a wheeled loader is the most important piece of equipment used at the Hickman-Fulton County Riverport Authority.

Funding: Kentucky Public Riverport Construction and Maintenance (KPRCM)

Funding - KPRCM

\$268,100.00

Description: The proposed wheeled loader project is to purchase a new wheeled loader for handling wire rod coils and bulk materials that are unloaded by the crane from barges. The new Volvo L90H2 wheeled loader will come with improved safety features, be more reliable and meet the Tier 4 emission standards. Except for the crane, a wheeled loader is the most important piece of equipment used at the Hickman-Fulton County Riverport Authority. Completion of this project will allow the Hickman-Fulton County Riverport Authority to maintain normal business operations.

Statement of Work: The HFCRA is in the process of using the Commonwealth of Kentucky Master Agreement to find a replacement wheeled loader for the Riverport. The riverport must use wheeled loaders to move materials from the crane bridge to storage or straight to trucks. The Hickman-Fulton County Riverport Authority will use KPRCM funds to purchase a replacement loader for the 2003 wheeled loader currently being used and maintained.



HFCRA VOLVO L90H2 Wheeled Loader

Project Schedule and Timeline

July 2024

If approved by Kentucky Transportation Cabinet, the equipment will be purchased through Commonwealth of Kentucky Master Contract Agreement.

November 2024

Receive Equipment - currently 3 – 6 month delivery.



HFCRA 2024 Volvo L90H2 Wheeled Loader

Scope of Work

Work to be Done:

Purchase 2024 Volvo L90H2 Wheeled Loader through State Contract Master Agreement MA 758 2300001528

Summary of Estimated Costs:

Machine Selling Price	\$ 228,401.00
Attachment Bracket	\$ 7,491.00
108" 5.0 Yd. Bucket	\$ 41,419.00
48" Right Fork	\$ 2,003.00
48" Left Fork	\$ 2,003.00
59" Fork Frame	\$ 4,903.00
Freight to Hickman, KY	\$ 2,000.00
Extend VEP 5Yr/5,000Hr Complete Warranty ..	\$ 16,880.00
 TOTAL:	 \$ 305,100.00



May 20, 2024 - Revised

Ms. Keleia McCloud
Hickman-Fulton County Riverport Authority
625 Catlett St.
Hickman, KY 42050

Ms. McCloud
Rudd Equipment Company is pleased to present the following for your consideration:

One (1) New 2024 Volvo L90H2 Wheel Loader S/N VCE0L90HC0S628196

All standard features and U.S. build options including:

- 20.5R25* BR VJT
- 4-Rims 3pc. f/20.5 or 600 Tire
- Fuel fill strainer
- Delayed Engine Shutdown
- Engine D6H (Tier 4F) US
- Reversible cooling fan
- Rimpull control
- Airsusp Heated 2pt, 3"" belt
- Air conditioning with ACC
- Radio BlueTooth/USB/AUX no CD
- LH Radio mount kit incl 11 amp
- Steering knob
- Sliding window in door
- ACC Fahrenheit decal only
- Universal key
- Secondary steering; electric
- Lunch box holder
- Anchorage manual
- LH armrest for Airsusp seats
- Rearview mirrors;el.adj& heat.
- Headlights, assym. Right LED
- LED Economy Package
- Back up alarm
- 3rd hyd function; std. boom
- Separate attachment locking
- Max Boom Height
- Oil sampling ports
- Footsteps front frame
- Footstep, Right Side
- Boom Susp System (Ride Control)
- Counterweight; logging
- Decals; English/Spanish ;el-hy
- Cover plates; rear frame
- Lifetime Frame Warranty
- CareTrack; GSM 3 yr subscrip
- CareTrack 3G GSM + SAT
- De-activate SAT SW
- Operator Coaching Basic
- Hyd att bracket; cast;vis opt
- Co Pilot incl Camera
- Add Axle Cooling

Warranty

Standard Volvo warranty, one year from the date of delivery or 2,500 hours, whichever occurs first.

Machine Total List Price	\$393,795.00
Less State of KY 42% Discount	(\$165,393.90)
Selling Price:	\$228,401.10
Less Trade In: 2003 Volvo L70E S/N L70EV21374	(\$37,000.00)

Volvo Attachments

Attachment Bracket\$8,323.00
Less State of KY 10% Discount (\$832.00)
Total Sell Price.....\$7,491.00

108" 5.0 Yd. Hook-On Hi-Tip Bucket w/ Bolt-On Cutting Edge\$46,021.00
Less State of KY 10% Discount (\$4,602.00)
Total Sell Price.....\$41,419.00

48" Offset Fork Tine, R\$2,226.00
Less State of KY 10% Discount (\$223.00)
Total Sell Price.....\$2,003.00

48" Offset Fork Tine, L\$2,226.00
Less State of KY 10% Discount (\$223.00)
Total Sell Price.....\$2,003.00

59" Fork Frame - Standard\$5,448.00
Less State of KY 10% Discount (\$545.00)
Total Sell Price.....\$4,903.00

Freight to Hickman, KY.....\$2,000.00

Optional:

Extended VEP 5Yr/5,000Hr Complete Machine Warranty\$16,880.00

**Extended warranty must be purchased by 8/18/2024 in order to hold pricing.*

We have not included any local or state tax. If applicable, these will be in addition to the amount shown. Our terms of sale are net cash due upon receipt of invoice. This quotation will remain firm for a period of fifteen days, and it is subject to prior sale.

We appreciate the opportunity to present this quotation and look forward to additional discussions with you regarding your equipment requirements.

Respectfully,

Ray Wagner

Ray Wagner
Vice President - Evansville Branch
Rudd Equipment Company
6901 Hwy 41 N
Evansville, IN 47725
O: 812.867.6661
C: 812.319.5030
rwagner@ruddequipment.com

Jeff Willis
Sales Representative
6901 Hwy 41 N
Evansville, IN 47725
C: 270.282.1910
jwillis@ruddequipment.com



Commonwealth of Kentucky

MASTER AGREEMENT MODIFICATION

CONTRACT INFORMATION			
MASTER AGREEMENT NUMBER: MA 758 2300001528			
Effective Date:	07/01/2023	Record Date:	04/05/2024
Expiration Date:	01/31/2025	Procurement Folder:	1029602
Document Description:	Construction Equipment (Rudd Equipment)	Procurement Type:	Standard Goods and Services
Cited Authority:	Competitive Sealed Bidding-Goods and Services	Version Number:	5

CONTACT INFORMATION
ISSUER: Nathan Durham 502-564-6525 Nathan.Durham@ky.gov

REASON FOR MODIFICATION
To add Commodity Lines 22-25. No other changes have been made; documentation is on file with OPS.

VENDOR INFORMATION	
Name /Address: KY0028657: RUDD EQUIPMENT CO INC 4344 POPLAR LEVEL RD LOUISVILLE KY 40213	Contact: Tim Murphy 502-456-4050 tmurphy@ruddequipment.com

COMMODITY / SERVICE INFORMATION							
Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
1	1.00000	EA	\$0.010000	\$0.00			\$0.01

Do Not Use
Extended Description:

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
2	0.00000		\$0.000000	\$0.00			\$0.00

Volvo (Rubber Tire Loaders)
Extended Description:
42% Off Published List Price For Volvo (Rubber Tire Loaders) Models: L60H, L70H, L90H, L110H, L120H

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
3	0.00000		\$0.000000	\$0.00			\$0.00

Volvo (Rubber Tire Loaders)
Extended Description:
40% Off Published List Price For Volvo (Rubber Tire Loaders) Models: L150H

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
4	0.00000		\$0.000000	\$0.00			\$0.00

Volvo (Rubber Tire Loaders)
Extended Description:
35% Off Published List Price For Volvo (Rubber Tire Loaders) Models: L180H, L180H, L220H, L260H, L350H

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
5	0.00000		\$0.000000	\$0.00			\$0.00
Volvo (Wheeled Excavator) Extended Description: 39% Off Published List Price For Volvo (Wheeled Excavator)Models: EW60E							
Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
6	0.00000		\$0.000000	\$0.00			\$0.00
Volvo (Wheeled Excavator) Extended Description: 40% Off Published List Price For Volvo (Wheeled Excavator)Models: EWR130E, EWR150E, EW160E, EWR170E, EW180E, EW200EMH, EW220E							
Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
7	0.00000		\$0.000000	\$0.00			\$0.00
Volvo (Track Excavator) Extended Description: 35% Off Published List Price For Volvo (Track Excavator) Models: JEC18E (Battery Electric), JECR18E (Battery Electric), JECR25D (Battery Electric),							
Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
8	0.00000		\$0.000000	\$0.00			\$0.00
Volvo (Track Excavator) Extended Description: 38% Off Published List Price For Volvo (Track Excavator) Models: EC20E, ECR25DFL, EC27D, EC35D, ECR40D, ECR145EL, ECR235EL, ECR355EL, EC380E / LR / HR, EC480E / LR / HR							
Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
9	0.00000		\$0.000000	\$0.00			\$0.00
Volvo (Track Excavator) Extended Description: 39% Off Published List Price For Volvo (Track Excavator) Models: ECR50F, ECR58F, EC60E, ECR88D							
Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
10	0.00000		\$0.000000	\$0.00			\$0.00
Volvo (Track Excavator) Extended Description: 40% Off Published List Price For Volvo (Track Excavator) Models: EC160EL, EC200EL, EC220EL / LR, EC250E / LR, EC300E / LR, EC350EL							
Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
11	0.00000		\$0.000000	\$0.00			\$0.00
Volvo (Track Excavator) Extended Description: 36% Off Published List Price For Volvo (Track Excavator) Models: EC750E							
Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
12	0.00000		\$0.000000	\$0.00			\$0.00
Volvo (Compact Loader) Extended Description: 35% Off Published List Price For Volvo (Compact Loader) Models: L20H, L25H, L30H, L35GS, L45H/HS, L50H/HS, JL20H (Battery Electric), JL25H (Battery Electric)							
Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
13	0.00000		\$0.000000	\$0.00			\$0.00
Volvo (Single/Tandem Drum & Wheeled Roller) Extended Description:							

34% Off Published List Price For Volvo (Single / Tandem Drum & Wheeled Roller) Models: DD15, DD25B

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
14	0.00000		\$0.000000	\$0.00			\$0.00

Volvo (Single/Tandem Drum & Wheeled Roller)

Extended Description:

35% Off Published List Price For Volvo (Single / Tandem Drum & Wheeled Roller) Models: CR30B, DD30B, CR35B, DD35B, DD105, DD105OSC, DD110C, DD120C, DD140C, SD75B, SD115B

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
15	0.00000		\$0.000000	\$0.00			\$0.00

Volvo (Single/Tandem Drum & Wheeled Roller)

Extended Description:

32% Off Published List Price For Volvo (Single / Tandem Drum & Wheeled Roller) Models: PT125C, PTR240, SD45B

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
16	0.00000		\$0.000000	\$0.00			\$0.00

Volvo (Attachments/Setup)

Extended Description:

10% Off Published List Price For Attachments/Setup

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
17	0.00000	EA	\$0.000000	\$0.00			\$0.00

On-Site Maintenance/Repairs

Extended Description:

Please contact Rudd Equipment to receive a quote for On-Site Maintenance and or Repair services. The agencies approved quote shall be submitted to OPS.Reporting@ky.gov. The Commonwealth Buyer or OPS Representative will amend the Master Agreement to add a Commodity Line based upon the approved quote. Once the contract modification is completed the Commonwealth Buyer or OPS Representative will identify the appropriate Commodity Line for the agency to issue the Delivery Order (DO).

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
18	0.00000	EA	\$0.000000	\$0.00			\$0.00

Volvo Equipment Rental

Extended Description:

Please contact Rudd Equipment to receive a quote for Equipment Rental. Rudd Equipment also offers a Rent to Buy Option. The agencies approved quote shall be submitted to OPS.Reporting@ky.gov. The Commonwealth Buyer or OPS Representative will amend the Master Agreement to add a Commodity Line based upon the approved quote. Once the contract modification is completed the Commonwealth Buyer or OPS Representative will identify the appropriate Commodity Line for the agency to issue the Delivery Order (DO).

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
19	1.00000	EA	\$7,855.360000	\$0.00			\$7,855.36

KYTC Approved On-Site Maintenance/Repair Quote for 250-0383

Extended Description:

Parts & labor to replace fuel injectors on Volvo Mini Excavator ECR88D (Serial number 214324)

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
20	1.00000	EACH	\$9,272.000000	\$0.00			\$9,272.00

KYTC Approved Quote for 0001302498

Extended Description:

One (1) Gear Wheel (604280)

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
21	0.00000		\$0.000000	\$0.00			\$0.00

Volvo (Repair Parts)

Extended Description:

0% off Published List Price For Volvo (Repair Parts)

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
22	0.00000		\$0.000000	\$0.00			\$0.00

Equipment Rental

Extended Description:

Rental Rates Exclude Loss Damage Waiver

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
23	0.00000	HOUR	\$155.000000	\$0.00			\$0.00

Offsite Hourly Labor Rates

Extended Description:

Offsite Hourly Labor Rates, i.e. agency location; worksite; etc.

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
24	0.00000	HOUR	\$139.500000	\$0.00			\$0.00

Onsite Hourly Labor Rates

Extended Description:

Onsite Hourly Labor Rates, i.e. vendor/dealer location

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Total
25	1.00000	EACH	\$14,502.750000	\$0.00			\$14,502.75

KYTC Approved Quote for 031824-2

Extended Description:

Parts and Labor to Service a Volvo MCY+T135C (2206534)

	Document Description	Page 5
2300001528	Construction Equipment (Rudd Equipment)	

Master Agreement
For
Construction Equipment
Between
The Commonwealth of Kentucky
and
Rudd Equipment Co Inc
Tim Murphy
4344 Poplar Level Rd.
Louisville, KY 40213
502-919-0490
tmurphy@ruddequipment.com

Section 1
Scope of Contract

The Office of Procurement Services issues this **Master Agreement** for: Construction Equipment

Section 2
Specifications

All models shall be current model year and standard configuration.

All equipment shall be new and must be pre-serviced to the manufacturer's recommendations and in first class operating condition when delivered. All service work shall be done in the vendor's place of business or in another location provided by the vendor. No major assembly or servicing of equipment will be allowed on Commonwealth property, only minor modifications to equipment necessary to bring the item into compliance with specifications.

The manufacturer's most favorable warranty offered to preferred customers shall apply to all items. A copy of such warranty shall be furnished to the agency upon delivery of the equipment or product. The vendor will not be liable under the above warranty for any defects or damages resulting from unforeseeable causes beyond the control and without the fault or negligence of the bidder, such as misuse or neglect by the State, acts of God, fires, floods and hurricanes.

-
The Vendor shall coordinate all deliveries with the ordering agencies.
-

	Document Description	Page 6
2300001528	Construction Equipment (Rudd Equipment)	

The Vendor agrees that when delivery is not made within the contracted due date, one percent (1%) per day will be deducted from the Vendor's invoice for each day the Vendor fails to meet the contracted delivery date.

Neither party will be responsible for delays resulting from causes beyond the reasonable control of such party, including without limitation fire, explosion, flood, war, strike, or riot, provided that the nonperforming party uses commercially reasonable efforts to avoid or remove such causes of nonperformance and continues performance under this Agreement with reasonable dispatch whenever such causes are removed.

Section 3

Initial Contract Period

This contract shall be effective from the date of award to January 31, 2025.

Section 4

Renewal Clause – Optional Renewal Period

This contract may be extended at the completion of the initial contract period for **four (4) additional two-year periods**. This extension must have the written approval by all parties. If the contract provides for an optional renewal period, the Commonwealth of Kentucky reserves the right to renegotiate any terms and/or conditions as may be necessary to meet requirements for the extended period. The vendor will be advised of any proposed revisions prior to the renewal periods. In the event proposed revisions cannot be agreed upon, either party shall have the right to withdraw without prejudice from either exercising the option or continuing the contract in an extended period.

Section 5

Agencies to be Served

This contract shall be for use by the following agency of the Commonwealth of Kentucky: All State Agencies

Political Subdivisions

Under Kentucky Statutes, political subdivisions of this State including cities of all classes, counties, and school districts may participate in All State Agency Master Agreements to the same extent as agencies of the Commonwealth.

Section 6

Tax Exempt Status

Do not include Federal Excise Tax, Kentucky Sales or Use Tax.

Section 7

Basis of Price Revisions

PRICE ADJUSTMENTS: Unless otherwise specified, the prices established by this contract shall remain firm for the contract period subject to the following:

	Document Description	Page 7
2300001528	Construction Equipment (Rudd Equipment)	

A: Price Increases: A price increase shall not occur during the first twelve (12) months of the contract. A vendor may request a price increase after twelve (12) months of the contract, which may be granted or denied by the Commonwealth. Any such price increase shall be based on industry wide price changes. The contract holder must request in writing a price increase at least thirty (30) days prior to the effective date, and shall provide firm proof that the price increase(s) is justified. The Office of Procurement Services may request additional information or justification. If the price increase is denied, the contract holder may withdraw from the contract without prejudice upon written notice and approval by the Office of Procurement Services. Provided, however, that the vendor must continue service, at the contract prices, until a new contract can be established (usually within sixty (60) days).

B: Price Decreases: The contract price shall be reduced to reflect any industry wide price decreases. The contract holder is required to furnish the Office of Procurement Services with notice of any price decreases as soon as such decreases are available.

C: Extended Contract Periods: If the contract provides for an optional renewal period, a price adjustment may be granted at the time the contract is renewed, subject to price increase justification as required in Paragraph A "Price Increases" as stated above.

Section 8

Post Contract Agreements

This contract shall constitute the entire agreement between the State and contractor. Unless contractually provided, **State agencies utilizing this contract will not be required to enter into nor sign further agreements, leases, company orders or other documents to complete or initiate the terms of the contract.** Any such documents so obtained will be non-binding on the State and agents of the State and will be cause for breach of contract.

Section 9

Manuals and Distribution of Literature

Instruction and operating manuals shall be furnished for all equipment installed. Upon request, the vendor shall furnish State agencies and other public bodies with descriptive literature and service information for items awarded.

Section 10

Vendor's Report

The vendor(s) may be asked to furnish the buyer, Office of Procurement Services, a report showing volume which has been sold to the Commonwealth and its using agencies each six (6) months of the contract period. The report will include political subdivisions and university purchases. This report may be the vendor's computer printout sheet or form. This shall apply to all items, which are to become a part of this

	Document Description	Page 8
2300001528	Construction Equipment (Rudd Equipment)	

contract. This report must reference usage by brief description, product number or other format designated by the Office of Procurement Services.

Section 11

Cancellation Clause – 30 Days Notice

The Commonwealth may cancel this contract by giving written notice thirty (30) days prior to effective cancellation date. In the event such action is taken, the contract shall be null and void upon receipt of a Modification from the Office of Procurement Services canceling the contract.

Section 12

Exception to Required Use of Contract

The establishment of this Master Agreement is not intended to preclude the use of similar products when requested by the agency. The Commonwealth of Kentucky reserves the right to contract for large requirements by using a separate solicitation.

Section 13

Service Performance

All services performed under this contract, if applicable, shall be in accordance with the terms and provisions of the contract. It will be the agency’s responsibility to ensure that such services rendered are performed and are acceptable.

The relationship between the State and the Contractor is that of client and independent contractor. No agent, employee, or servant of the contractor or any of its subcontractors shall be or shall be deemed to be an employee, agent, or servant of the State for any reason. The contractor will be solely and entirely responsible for its acts and the acts of its agents, employees, servants and subcontractors during the performance of this contract.

Major deviations of services performed will not be made without the written approval of the Office of Procurement Services. Problems that arise under any aspect of performance should first be resolved between the vendor and the agency. Either party should refer in writing any such problems and/or disagreements that cannot be resolved to the Office of Procurement Services for settlement.

Section 14

Addition or Deletion of Items or Services

The Office of Procurement Services reserves the right to add new and similar items, with the consent of the vendor, to this contract. The Office of Procurement Services to effect this change will issue a contract Modification. Until such time as the vendor receives a Modification, the vendor shall not accept Delivery Orders from any agency referencing such items or services.

Section 15

Governmental Restrictions

	Document Description	Page 9
2300001528	Construction Equipment (Rudd Equipment)	

In the event any Governmental restrictions may be imposed which would necessitate alteration of the material, quality, workmanship, or performance of the items, it shall be the responsibility of the vendor to notify the Office of Procurement Services in writing, indicating the specific regulation which requires such alterations. The Commonwealth reserves the right to accept any such alterations, including any subsequent price adjustments, or to cancel the contract.

Section 16

Payments

The vendor shall be paid, upon the submission of proper invoices to the receiving agency at the prices stipulated for the supplies delivered and accepted, or services rendered. Unless otherwise specified, payment will not be made for partial deliveries accepted. Payments will be made within thirty (30) working days after receipt of goods or a vendor's invoice in accordance with KRS 45.453 and KRS 45.454.

Section 17

Inspection

All supplies, equipment and services shall be subject to inspection or tests by the Commonwealth prior to acceptance. In the event supplies, equipment or services are defective in material or workmanship or otherwise not in conformity with specified requirements, the Commonwealth shall have the right to reject the items or services or require acceptable correction at the Vendor's expense.

Section 18

Subcontracts

The contractor is permitted to make subcontract(s) with any other party for furnishing any of the work or services herein. The contractor shall be solely responsible for performance of the entire contract whether or not subcontractors are used. The Commonwealth shall not be involved in the relationship between the prime contractor and the subcontractor. Any issues that arise as a result of this relationship shall be resolved by the prime contractor.

All references to the contractor shall be construed to encompass both the contractor and any subcontractors of the contractor.

Section 19

Federal Tax Exempt Purchases by the Commonwealth of Kentucky

Contracts Direct With Manufacturer: The Office of Procurement Services shall request the contractor to furnish evidence of registration with the U.S. Internal Revenue Service. This registration shall be in accordance with the "Temporary Rules, 1958 Excise Tax Act". After such registration, individual Excise Tax Exemption Certificates are not necessary on each individual order issued against the contract by the Office of Procurement Services. Therefore, prices must be exclusive of Federal Excise Taxes.

	Document Description	Page 10
2300001528	Construction Equipment (Rudd Equipment)	

Contract With Other Than Manufacturer: The Office of Procurement Services will furnish a Tax Exemption Certificate with each individual order issued against this contract. Therefore, prices must be exclusive of Federal Excise Taxes.

**Section 20
EEO Requirements**

The Equal Employment Opportunity Act of 1978 applies to All State government projects with an estimated value exceeding \$500,000. The contractor shall comply with all terms and conditions of the Act.

<https://finance.ky.gov/eProcurement/Pages/doing-business-with-the-commonwealth.aspx>

(Click on Office of the Controller and scroll down to Procurement section.)

**Section 21
Governing Law**

This contract shall be governed by and construed in accordance with the laws of the Commonwealth of Kentucky. Any action brought against the Commonwealth on the contract, including but not limited to actions either for breach of contract or for enforcement of the contract, shall be brought in Franklin Circuit Court, Franklin County, Kentucky in accordance with KRS 45A.245.

**Section 22
Access to Records**

The state agency certifies that it is in compliance with the provisions of KRS 45A.695, "Access to contractor's books, documents, papers, records, or other evidence directly pertinent to the contract." The Contractor, as defined in KRS 45A.030, agrees that the contracting agency, the Finance and Administration Cabinet, the Auditor of Public Accounts, and the Legislative Research Commission, or their duly authorized representatives, shall have access to any books, documents, papers, records, or other evidence, which are directly pertinent to this agreement for the purpose of financial audit or program review. The Contractor also recognizes that any books, documents, papers, records, or other evidence, received during a financial audit or program review shall be subject to the Kentucky Open Records Act, KRS 61.870 to 61.884. Records and other prequalification information confidentially disclosed as part of the bid process shall not be deemed as directly pertinent to the agreement and shall be exempt from disclosure as provided in KRS 61.878(1)(c).

**Section 23
Accessibility**

Vendor hereby warrants that the products or services to be provided under this contract comply with the accessibility requirements of section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. § 794d), and its implementing regulations set forth at Title 36, Code of Federal Regulations, part 1194. Vendor further warrants that the products or services to be provided under this contract comply with existing federal standards established under Section 255 of the Federal Telecommunications Act of 1996 (47

	Document Description	Page 11
2300001528	Construction Equipment (Rudd Equipment)	

U.S.C. § 255), and its implementing regulations set forth at Title 36, Code of Federal Regulations, part 1193, to the extent the vendor's products or services may be covered by that act. Vendor agrees to promptly respond to and resolve any complaint regarding accessibility of its products or services which is brought to its attention.

**Section 24
Provisions for Termination of the Contract**

This contract shall be subject to the termination provisions set forth in 200 KAR 5:312.

**Section 25
Disclosure of Violation of Statutes**

Pursuant to KRS 45A.485, contractors are required to reveal final determinations of violation of certain statutes incurred within the last five (5) years and be in continuous compliance with those statutes during the contract. Where applicable, the vendor is required to complete and submit Report of Prior Violations of Tax and Employment Laws.

**Section 26
Discrimination (Effective April 8, 2015)**

Discrimination (because of race, religion, color, national origin, sex, sexual orientation, gender identity, age, or disability) is prohibited. This section applies only to contracts utilizing federal funds, in whole or in part. During the performance of this contract, the contractor agrees as follows:

1. The contractor will not discriminate against any employee or applicant for employment because of race, religion, color, national origin, sex, sexual orientation, gender identity, or age. The contractor further agrees to comply with the provisions of the Americans with Disabilities Act (ADA), Public Law 101-336, and applicable federal regulations relating thereto prohibiting discrimination against otherwise qualified disabled individuals under any program or activity. The contractor agrees to provide, upon request, needed reasonable accommodations. The contractor will take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, religion, color, national origin, sex, sexual orientation, gender identity, age or disability. Such action shall include, but not be limited to the following; employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensations; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants

	Document Description	Page 12
2300001528	Construction Equipment (Rudd Equipment)	

for employment, notices setting forth the provisions of this non-discrimination clause.

2. The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, sex, sexual orientation, gender identity, age or disability.

3. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice advising the said labor union or workers' representative of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for noncompliance.

4. The contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965 as amended, and of the rules, regulations and relevant orders of the Secretary of Labor.

5. The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, as amended, and by the rules, regulations and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records and accounts by the administering agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations and orders.

6. In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations or orders, this contract may be cancelled, terminated or suspended in whole or in part and the contractor may be declared ineligible for further government contracts or federally-assisted construction contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, as amended, and such other sanctions may be imposed and remedies invoked as provided in or as otherwise provided by law.

7. The contractor will include the provisions of paragraphs (1) through (7) of section 202 of Executive Order 11246 in every subcontract or purchase order unless exempted by rules, regulations or orders of the Secretary of Labor, issued pursuant to section 204 of Executive Order No. 11246 of September 24, 1965, as amended, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions including sanctions for noncompliance; provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor

	Document Description	Page 13
2300001528	Construction Equipment (Rudd Equipment)	

or vendor as a result of such direction by the agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

Section 27

ALL PROVISIONS OF THE SOLICITATION (RFB 758 2300000517) AND THE PROVISIONS OF FAP-110-10-00 SHALL BE PART OF THIS MASTER AGREEMENT (MA 758 2300001528).

Section 28

Bidder, Offeror, or Contractor Mandatory Representations Compliance with Commonwealth Law

The contractor represents that, pursuant to [KRS 45A.485](#), they and any subcontractor performing work under the contract will be in continuous compliance with the KRS chapters listed below and have revealed to the Commonwealth any violation determinations within the previous five (5) years:

[KRS Chapter 136](#) (CORPORATION AND UTILITY TAXES)

[KRS Chapter 139](#) (SALES AND USE TAXES)

[KRS Chapter 141](#) (INCOME TAXES)

[KRS Chapter 337](#) (WAGES AND HOURS)

[KRS Chapter 338](#) (OCCUPATIONAL SAFETY AND HEALTH OF EMPLOYEES)

[KRS Chapter 341](#) (UNEMPLOYMENT COMPENSATION)

[KRS Chapter 342](#) (WORKERS' COMPENSATION)

Boycott Provisions

If applicable, the contractor represents that, pursuant to [KRS 45A.607](#), they are not currently engaged in, and will not for the duration of the contract engage in, the boycott of a person or an entity based in or doing business with a jurisdiction with which Kentucky can enjoy open trade. **Note:** The term Boycott does not include actions taken for bona fide business or economic reasons, or actions specifically required by federal or state law.

If applicable, the contractor verifies that, pursuant to KRS 41.480, they do not engage in, and will not for the duration of the contract engage in, in energy company boycotts as defined by KRS 41.472.

Lobbying Prohibitions

The contractor represents that they, and any subcontractor performing work under the contract, have not violated the agency restrictions contained in [KRS 11A.236](#) during the previous ten (10) years, and pledges to abide by the restrictions set forth in such statute for the duration of the contract awarded.

The contractor further represents that, pursuant to [KRS 45A.328](#), they have not procured an original, subsequent, or similar contract while employing an executive agency lobbyist

	Document Description	Page 14
2300001528	Construction Equipment (Rudd Equipment)	

who was convicted of a crime related to the original, subsequent, or similar contract within five (5) years of the conviction of the lobbyist.

Section 29

Administrative Fee

The Contractor agrees to provide a quarterly administrative fee to the Commonwealth of Kentucky as a part of the Contractor's unit prices and is not to be charged directly to the customer in the form of a separate line item. The administrative fee percentage is only applicable to amounts actually received by the Contractor during the quarter and is not applicable to the amounts ordered by customers but not yet paid. The administrative fee shall be paid in the form of a check payable to the Commonwealth of Kentucky – Office of Procurement Services for an amount equal to 1.0% of the net sales (less any return, credits or adjustments) under this Master Agreement for the duration of the contract. Fees shall be paid forty-five (45) days after the close of the quarter. Check to be mailed to the Office of Procurement Services, 200 Mero Street, 5th Floor, Frankfort, KY 40622.



HFCRA 2003 L70E VOLVO WHEELED LOADER



V O L V O



Volvo Wheel Loaders 15.6 t / 34,350 lb 184 hp

L90H

Volvo Construction Equipment

L90H

Leave the heavy-duty work for the L90H, designed to do more, be more comfortable and help you increase your productivity.



Designed to do more

Hard work has never felt so easy. H-Series wheel loaders are built with an industry-leading, strong frame, which, combined with the ideally-matched genuine Volvo drivetrain, achieves long-lasting performance. And with the help of a range of smart apps you can boost the efficiency of your operation from the comfort of the cab.



Loaded with versatility

- Torque Parallel linkage
- Volvo attachment bracket
- Range of purpose-built attachments
- Rehandling bucket
- 3rd and 4th hydraulic functions



Keep it moving

- Quick hydraulic oil fill thanks to new mounted nipple
- Improved cooling capacity
- Strong frame and central hinge
- Standard delayed engine shutdown
- Optional external axle cooling
- Optional Load Assist Tire Pressure monitoring



Safety as standard

- Anti-slip steps and strategically placed handrails
- Orange three-point seatbelt
- Redesigned side mirrors
- Rear-view camera



Strong and stable

- Optimized loading unit weight, heavy-duty counterweight for greater stability
- Standard electro-servo controls
- Auto Bucket leveling function
- Increased lifting height by 72mm
- Lifetime Frame warranty



Increased productivity

- Optional lock-up converter
- Rimpull control
- Smart Control
- Smooth Control
- Eco pedal
- Load Assist On-Board Weighing hardware- Standard
- Load Assist Operator Coaching - Standard



Greater access

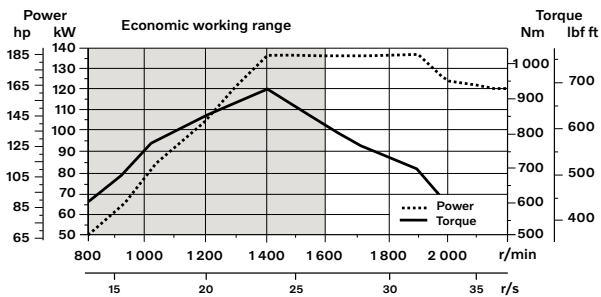
- Cooler installation slides out for easier cleaning
- Repositioned fill spouts for transmission and engine oil
- Ground-level access to service points
- Electronically-operated engine hood

Volvo L90H in detail

Engine

6-cylinder, 6 liters inline turbocharged diesel engine with an advanced fuel injection system with the common rail. Fuel is distributed under high pressure from a high-pressure accumulator, the rail. One belt driven high pressure pump deliver the fuel to the rail and then further on via high-pressure pipes to the electronically operated fuel injectors. Engine meets Tier 4f / EU Stage V emission legislation.

Engine	Volvo	D6J
Max. power at	r/min (r/s)	1 400 - 1 900 (23.3 - 31.7)
ISO 14396 gross	kW (hp)	137 (184)
ISO 9249, SAE J1349 net	kW (hp)	137 (184)
Max. torque at	r/min (r/s)	1,400 (233)
ISO 14396 gross	Nm (ft lbf)	934 (689)
ISO 9249, SAE J1349 net	Nm (ft lbf)	934 (689)
Economic working range	r/min (r/s)	800 - 1 600 (13.3 - 26.7)
Displacement	l (in ³)	57 (348)



Electrical System

Contronic electrical system with central warning light and buzzer for following functions: - Serious engine fault, Low steering system pressure, Over speed warning engine, Interruption in communication (computer fault), Central warning light and buzzer with the gear engaged for the following functions: Low engine oil pressure, High engine oil temperature, High charge air temperature, Low coolant level, High coolant temperature, High crank case pressure, Low transmission oil pressure, High transmission oil temperature, Low brake pressure, Engaged parking brake, Fault on brake charging, Low hydraulic oil level, High hydraulic oil temperature, Overspeeding in engaged gear, High brake cooling oil temperature front and rear axles, etc.

Batteries	V	2 x 12
Battery capacity	Ah	2 x 110
Cold cranking capacity, approx	A	1 000
Alternator rating	W/A	3 135/80
Starter motor output	kW	55

Brake system

Service brake: Volvo dual-circuit system with outboard mounted, hydraulically operated, fully sealed and circulating oil cooled wet disc brakes. Four operator selectable transmission disengagement settings while braking.

Parking brake: Dry disc brake mounted on the transmission output shaft. Applied by spring force, electro-hydraulically released with a switch on the instrument panel.

Secondary brake: Dual brake circuits with rechargeable accumulators.

Standard: The brake system complies with the requirements of ISO 3450, 71/320/EEC

Number of brake discs per wheel		1
Accumulators	l (gal)	2 x 0.5+1 x 1.0 (2 x 0.13 + 1 x 0.26)
Accumulators for parking brake	l (gal)	1 x 1.0 (1 x 0.26)

Lift Arm System

Torque parallel linkage (TP-linkage) with high breakout torque and parallel lift-arm action.

Lift cylinders		2
Cylinder bore	mm (in)	120 (47)
Piston rod diameter	mm (in)	70 (28)
Stroke	mm (in)	744 (289)
Tilt cylinder		1
Cylinder bore	mm (in)	180 (71)
Piston rod diameter	mm (in)	90 (35)
Stroke	mm (in)	430 (169)

Steering System

System supply: The steering system has priority feed from a load-sensing axial piston pump with variable displacement.

Steering cylinders: Two double-acting cylinders.

Steering cylinders		2
Cylinder bore	mm (in)	80 (31)
Rod diameter	mm (in)	50 (2)
Stroke	mm (in)	345 (136)
Working pressure	MPa (bar)	21 (210)
Maximum flow	l/min (gal/min)	60 (159)
Maximum articulation	± °	40

Cab

Instrumentation: All important information is centrally located in the operator's field of vision. Display for Contronic monitoring system. Heater and defroster: Heater coil with filtered fresh air and fan with auto and 11 manual speed settings. Defroster vents for all window areas.

Operator's seat: Operator's seat with adjustable air suspension and retractable seatbelt. The seat is mounted on a bracket on the rear cab wall and floor. The forces from the retractable seatbelt are absorbed by the seat rails.

Standards: The cab is tested and approved according to ROPS (ISO 3471), FOPS (ISO 3449). The cab meets with requirements according to ISO 6055 (Operator overhead protection - Industrial trucks) and SAE J386 (Operator Restraint System).

Emergency exit: Use emergency hammer to break window

Ventilation	m ³ /min (yd ³ /min)	9 (118)
Heating capacity	kW	16
Air conditioning (optional)	kW	75

Sound Level

Sound pressure level in cab according to ISO 6396		
L _{pA}	dB	68
External sound level according to ISO 6395 and EU Noise Directive 2000/14/EC		
L _{WA}	dB	105

Service Refill

Service accessibility: Large, electrically operated easy-to-open hood covering whole engine compartment. Fluid filters and component breather air filters are located from ground level access and promote long service intervals. Machine contronics have possibility to monitor, log and analyze data to facilitate troubleshooting. A quick-fit adapter on the hydraulic tank provides faster hydraulic oil fill.

Fuel tank	l (gal)	222 (58.6)
DEF/AdBlue® tank	l (gal)	20 (5.3)
Engine coolant	l (gal)	30 (7.9)
Hydraulic oil tank	l (gal)	90 (23.8)
Transmission oil (non lock-up)	l (gal)	21 (5.5)
Transmission oil (lock-up)	l (gal)	22 (5.8)
Engine oil	l (gal)	20 (5.2)
Axle oil front	l (gal)	35 (9.2)
Axle oil rear	l (gal)	27 (7.1)

Hydraulic system

Closed center load sensing hydraulic system with non pressurised hydraulic tank and pilot operated control valves.

System supply: Variable displacement axial piston pump supply the hydraulic system.

Valves: The central valve distributes pressure and flow out to the cooling fan, steering, brake, pilot and hydraulic system. Steering system gets priority over others.

Lift function: The valve has four positions; raise, hold, lower and float position. Automatic boom kickout position can be set to any position between maximum reach and full lifting height.

Tilt function: The valve has three functions; rollback, hold and dump. Automatic tilt out/tilt in can be adjusted to the desired bucket angle.

Cylinders: Double-acting cylinders for all functions.

Filter: Full flow filtration through 10 micron (absolute) filter cartridge.

Working pressure maximum, pump 2 for steering-, brake-, pilot- and working hydraulic system	MPa (bar)	31 (310)
---	-----------	----------

Flow	l/min (gal/min)	171 (452)
at	MPa (bar)	10 (100)
engine speed	r/min (r/s)	1,900 (317)

Working pressure maximum, pump 3 for brake- and cooling fan system	MPa (bar)	21 (210)
--	-----------	----------

Flow	l/min (gal/min)	33 (87)
at	MPa (bar)	10 (100)
engine speed	r/min (r/s)	1,900 (317)

Pilot system, working pressure	MPa (bar)	3.5 (35)
--------------------------------	-----------	----------

Cycle times		
Lift	s	57
Tilt	s	23
Lower, empty	s	4
Total cycle time	s	12

Drivetrain

Torque converter: Single-stage

Transmission: Volvo countershaft transmission with single lever control. Fast and smooth shifting of gears with Pulse Width Modulation (PWM) valve.

Transmission: Volvo Automatic Power Shift (APS) gear shifting system with fully automatic shifting 1-4 and mode selector with 4 different gear shifting programs, including AUTO mode. Also equipped with Rimpull control to avoid wheel spin and optimize bucket filling.

Axles: Volvo fully floating axle shafts with planetary hub reductions and cast steel axle housing. Fixed front axle and oscillating rear axle. 100% differential lock on the front axle.

Transmission	Volvo:	HTE 125C Non Lock-up/ HTE 125 Lock-up
--------------	--------	--

Torque multiplication, stall ratio		2.5:1 Non Lock-up/ 2.59:1 Lock-up
------------------------------------	--	--------------------------------------

Maximum speed

1st gear	km/h (mi/h)	Converter 6.5 / Lock-up 6.5 (Converter 4.0 / Lock-up 4.0)
----------	-------------	---

2nd gear	km/h (mi/h)	Converter 14 / Lock-up 14 (Converter 8.6 / Lock-up 8.6)
----------	-------------	---

3rd gear	km/h (mi/h)	Converter 26 / Lock-up 27 (Converter 16.2 / Lock-up 16.8)
----------	-------------	---

4th gear	km/h (mi/h)	Converter 46 / Lock-up 50 (Converter 28.5 / Lock-up 31.1)
----------	-------------	---

4th gear: Shown in speedometer and limited by ECU

Measured with tires	20.5R25
---------------------	---------

Front axle/rear axle	AWB 25/AWB 20
----------------------	---------------

Rear axle oscillation	± °	13
-----------------------	-----	----

Ground clearance	mm (in)	470 (185)
------------------	---------	-----------

at oscillation	°	13
----------------	---	----



Specifications

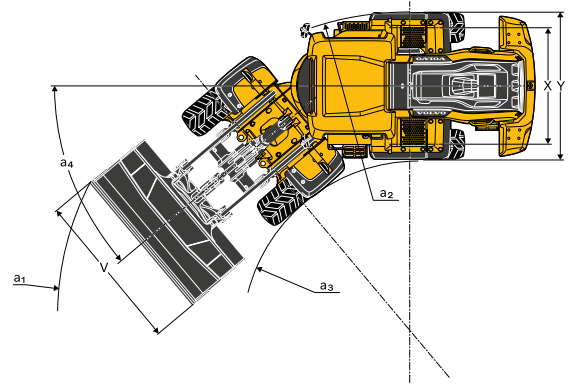
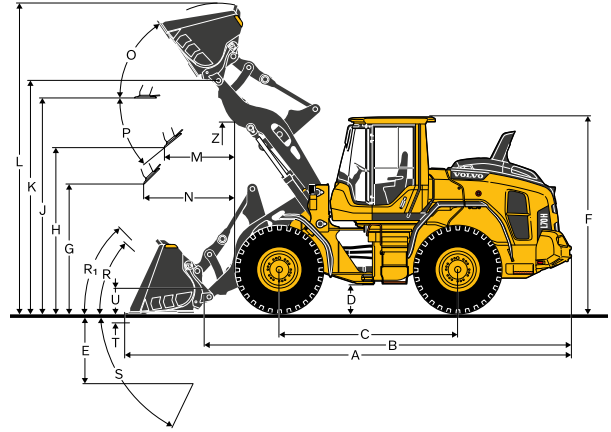
Tires 20.5 R25 L3

		L90H			
		Standard boom		Long boom	
B	mm ft in	6,170	20'3"	6,600	21'8"
C	mm ft in	3,050	10'0"	3,050	10'0"
D	mm ft in	450	1'6"	440	1'5"
F	mm ft in	3,280	10'9"	3,270	10'9"
G	mm ft in	2,132	7'0"	2,132	7'0"
J	mm ft in	3,730	12'3"	4,140	13'7"
K	mm ft in	4,040	13'3"	4,460	14'8"
O	°	57		58	
P _{max}	°	45		44	
R	°	44		47	
R ₁ *	°	49		53	
S	°	67		65	
T	mm ft in	112	0'4"	123	0'5"
U	mm ft in	480	1'7"	570	1'10"
X	mm ft in	1,960	6'5"	1,960	6'5"
Y	mm ft in	2,490	8'2"	2,490	8'2"
Z	mm ft in	3,460	11'4"	3,910	12'10"
a ₂	mm ft in	5,430	17'10"	5,430	17'10"
a ₃	mm ft in	2,940	9'8"	2,940	9'8"
a ₄	±°	40		40	

* Carry position SAE

Calculated with additional protective guarding

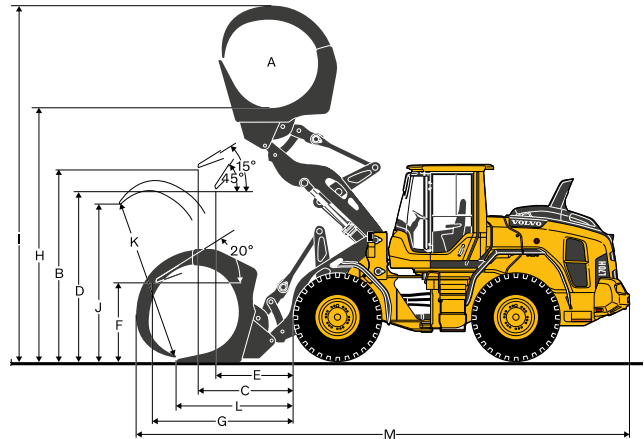
Where applicable, specifications and dimensions are according to ISO 7131, SAE J732, ISO 7546, SAE J742, ISO 14397, SAE J818



Tires: 20.5R25 L3

		L90H	
SAE-Load	kg lb	4,600	10,141
Operating weight without load*	kg lb	16,645	36,696
Grapple sales code		WLA80832	
A	m ² yd ²	2.4	2.9
B	mm ft in	3,487	11'5"
C	mm ft in	1,703	5'7"
D	mm ft in	2,865	9'5"
E	mm ft in	1,319	4'4"
F	mm ft in	1,441	4'9"
G	mm ft in	2,740	8'12"
H	mm ft in	4,613	15'2"
I	mm ft in	6,664	21'10"
J	mm ft in	2,786	9'2"
K	mm ft in	2,990	9'10"
L	mm ft in	2,131	6'12"
M	mm ft in	8,469	27'9"

* Calculated with additional protective guarding

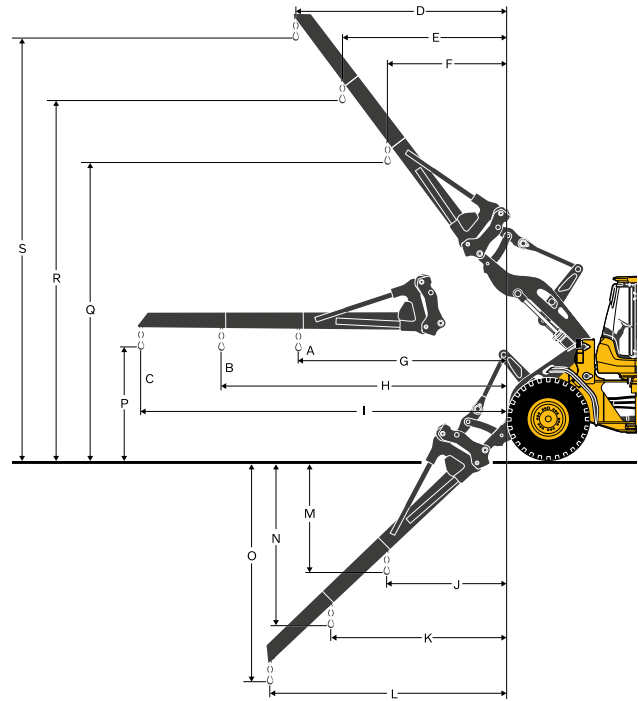


Tires: 20.5R25 L3				
			L90H	
Material handling arm sales code			92008	
A*	kg	lb	2,760	6,085
B*	kg	lb	2,130	4,696
C*	kg	lb	1,740	3,836
Static tipping load, straight	kg	lb	4,289	9,456
35deg. Turn	kg	lb	3,834	8,453
at full turn	kg	lb	3,700	8,157
D	mm	ft in	2,486	8'2"
E	mm	ft in	1,894	6'3"
F	mm	ft in	1,301	4'3"
G	mm	ft in	3,253	10'8"
H	mm	ft in	4,387	14'5"
I	mm	ft in	5,520	18'1"
J	mm	ft in	1,339	4'5"
K	mm	ft in	1,889	6'2"
L	mm	ft in	2,439	8'0"
M	mm	ft in	2,051	6'9"
N	mm	ft in	3,043	9'12"
O	mm	ft in	4,034	13'3"
P	mm	ft in	1,520	5'0"
Q	mm	ft in	5,403	17'9"
R	mm	ft in	6,370	20'11"
S	mm	ft in	7,336	24'1"
Operating weight without load	kg	lb	14,833	32,701

* Op. load at full turn + tipping position

Tipping loads calculated for max. arm length

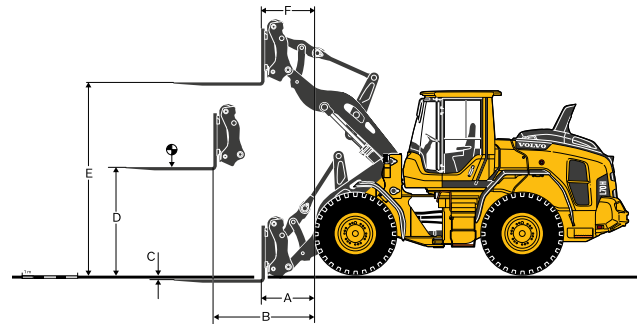
**Calculated with additional protective guarding



Tires: 20.5R25 L3				
			L90H	
Fork frame sales code			83770	
Fork tines sales code (R/L)			80106/80107	
Static tipping load, straight	kg	lb	8,904	19,630
35deg. Turn	kg	lb	7,947	17,520
at full turn	kg	lb	7,664	16,896
at load center distance*	mm	ft in	600	2'0"
A	mm	ft in	932	3'1"
B	mm	ft in	1,679	5'6"
C	mm	ft in	-4	-1'12"
D	mm	ft in	1,800	5'11"
E	mm	ft in	3,841	12'7"
F	mm	ft in	641	2'1"
Operating weight without load	kg	lb	14,928	32,911

* Firm and level ground

**Calculated with additional protective guarding



Specifications

L90H* MICH 20.5R25 XHA2 L3	GENERAL PURPOSE												GRADING		LIGHT MATERIAL		LONG BOOM**						
	WLA86299	WLA86303	WLA86319	WLA86304	WLA86320	WLA86331	WLA85404	WLA92687	WLA92683	WLA86319													
Volume, heaped ISO/SAE	m ³	2.3	3.0	2.6	3.4	2.7	3.5	2.8	3.7	2.8	3.7	2.8	3.7	2.8	3.7	2.8	3.7	4.1	5.4	7.0	9.2	2.7	3.5
Volume at 110% fill factor	m ³	2.5	3.3	2.9	3.7	3.0	3.9	3.1	4.0	3.1	4.0	3.1	4.0	3.1	4.0	3.1	4.0	4.5	5.9	7.7	10.1	3.0	3.9
Static tipping load, straight	kg	11,520	25,390	11,610	25,610	11,970	26,390	11,320	24,960	11,930	26,310	11,430	25,200	9,250	20,390	10,810	23,840	10,530	23,210	-1,110	-2,440		
at 35° turn	kg	10,220	22,540	10,310	22,740	10,640	23,450	10,030	22,120	10,600	23,380	10,140	22,360	8,170	18,020	9,550	21,060	9,250	20,390	-1,030	-2,260		
at full turn	kg	9,840	21,700	9,930	21,890	10,240	22,590	9,650	21,290	10,210	22,510	9,760	21,530	7,860	17,330	9,180	20,230	8,870	19,550	-1,000	-2,220		
Breakout force	kN	138.8	31,030	135.9	30,560	140.1	31,510	126.4	28,430	137.6	30,940	126.4	28,430	92.2	20,730	100.6	22,610	87.0	19,560	+1.8	+410		
A	mm	7,560	24' 10"	7,850	25' 9"	7,560	24' 10"	7,690	25' 3"	7,580	24' 11"	7,690	25' 3"	8,170	26' 10"	8,040	26' 5"	8,350	27' 5"	+410	+1' 4"		
E	mm	1,170	3' 10"	1,410	4' 8"	1,160	3' 9"	1,280	4' 2"	1,180	3' 10"	1,280	4' 2"	1,760	5' 9"	1,590	5' 3"	1,860	6' 1"	-10	0"		
H	mm	2,910	9' 7"	2,730	8' 11"	2,920	9' 7"	2,830	9' 4"	2,910	9' 7"	2,830	9' 4"	2,400	7' 11"	2,610	8' 7"	2,410	7' 11"	+420	+1' 4"		
L	mm	5,310	17' 5"	5,420	17' 10"	5,360	17' 7"	5,450	17' 11"	5,390	17' 8"	5,420	17' 10"	4,900	16' 1"	5,640	18' 6"	5,840	19' 2"	+420	+1' 4"		
M	mm	970	3' 2"	1,170	3' 10"	970	3' 2"	1,070	3' 6"	990	3' 3"	1,070	3' 6"	1,200	3' 11"	1,350	4' 5"	1,550	5' 1"	-70	-3"		
N	mm	1,660	5' 5"	1,730	5' 8"	1,650	5' 5"	1,700	5' 7"	1,660	5' 5"	1,700	5' 7"	1,520	5' 0"	1,710	5' 7"	1,700	5' 7"	+360	+1' 2"		
V	mm	2,650	108"	2,750	108"	2,750	108"	2,750	108"	2,750	108"	2,750	108"	2,880	113"	2,750	108"	3,000	118"	0	0"		
a ₁ clearance circle	mm	12,040	39' 6"	12,180	40'	12,040	39' 6"	12,100	39' 8"	12,050	39' 6"	12,100	39' 8"	12,770	41' 11"	12,300	40' 4"	12,700	41' 8"	+300	+1' 0"		
Operating weight	kg	15,470	34,110	15,460	34,080	15,330	33,810	15,580	34,350	15,350	33,850	15,490	34,160	15,680	34,620	15,840	34,920	16,270	35,870	+790	+1,730		

*Calculated with additional protective guarding. (WL86009,WL86010)

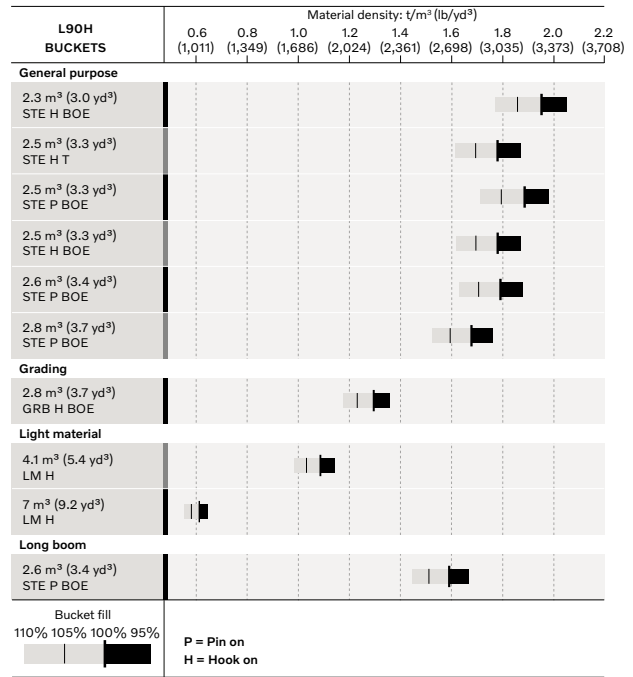
**Calculated with logging counterweight.

Note: This only applies to genuine Volvo attachments.

Bucket Selection Chart

The chosen bucket is determined by the density of the material and the expected bucket fill factor. The actual bucket volume is often larger than the rated capacity, due to the features of the TP linkage, including an open bucket design, good rollback angles in all positions and good bucket filling performance. The example represents a standard boom configuration.
Example: Sand and gravel. Fill factor ~ 105%. Density 1.55 t/m³ (2,610 lb/yd³). Result: The 2.6m³ (3.4yd³) bucket carries 2.7m³ (3.5 yd³). For optimum stability always consult the bucket selection chart.

Material	Bucket fill, %	Material density		ISO/SAE bucket volume		Actual volume	
		t/m ³	lb/yd ³	m ³	yd ³	m ³	yd ³
Earth/ Clay	~ 110	~ 1.55	~ 2,610	2.5	3.3	2.7	3.5
		~ 1.45	~ 2,440	2.6	3.4	2.9	3.8
		~ 1.40	~ 2,360	2.8	3.7	3.1	4.0
Sand/ Gravel	~ 105	~ 1.65	~ 2,780	2.5	3.3	2.6	3.4
		~ 1.55	~ 2,610	2.6	3.4	2.7	3.5
		~ 1.50	~ 2,530	2.8	3.7	2.9	3.7
Aggregate	~ 100	~ 1.75	~ 2,950	2.5	3.3	2.5	3.3
		~ 1.65	~ 2,780	2.6	3.4	2.6	3.4
		~ 1.60	~ 2,700	2.8	3.7	2.8	3.7
Rock	≤100	~ 1.80	~ 3,030	2.2	2.9	2.2	2.9



How to read bucket fill factor

Supplemental Operating Data

Tires 20.5 R25 L3	Standard boom				Long boom	
	20.5 R25 L2		650/65 R25 L3		650/65 R25 L3	
Width over tires	mm	ft in	+4	+0.2	+164	+6.5
Ground clearance	mm	ft in	-8	-0.3	-4	-0.2
Tipping load, full turn	kg	lb	-70	-154	+315	+694
Operating weight	kg	lb	-111	-245	+545	+1,202
					+543	+1,197

Calculated with 2.6 m³ (3.4 yd³) STE P BOE, additional protective guarding

Equipment

STANDARD EQUIPMENT

Engine

Exhaust after-treatment system
3-stage air cleaner, pre-cleaner, primary and secondary filter
Indicator glass for coolant level
Preheating of induction air
Fuel pre-filter with water trap
Fuel filter
Crank case breather oil trap
Exhaust heat ventilation

Tires

20.5R25

Drivetrain

Automatic Power Shift
Fully automatic gear shifting, 1-4
PWM-controlled gear shifting
Forward and reverse switch by hydraulic lever console
Rimpull control
Indicator glass for transmission oil level

Differentials: Front, 100% hydraulic diff lock. Rear, conventional

Electrical System

24 V, pre-wired for optional accessories

Alternator 80A/3135W

Battery disconnect switch

Maintenance-free batteries

Battery box, steel

Fuel gauge

Electric horn

Instrument cluster:

Fuel level

Diesel Exhaust Fluid/AdBlue level

Transmission temperature

Coolant temperature

Instrument lighting

Lighting:

Twin halogen front headlights with high and low beams

Parking lights

Double brake and tail lights

Turn signals with flashing hazard light function

Halogen work lights (2 front and 2 rear)

STANDARD EQUIPMENT

Contronic monitoring system

Contronic display
Fuel consumption
Diesel Exhaust Fluid/AdBlue consumption
Ambient temperature
Clock
Test function for warning and indicator lights
Brake test
Warning and indicator lights:
Battery charging
Parking brake
Warning and display message:
Regeneration
Engine coolant temperature
Charge air temperature
Engine oil temperature
Engine oil pressure
Transmission oil temperature
Transmission oil pressure
Hydraulic oil temperature
Brake pressure
Parking brake applied
Brake charging
Overspeed at direction change
Axle oil temperature
Steering pressure
Crank case pressure
Attachment lock open
Level warnings:
Fuel level
Diesel Exhaust Fluid/AdBlue level
Engine coolant level
Transmission oil level
Hydraulic oil level
Washer fluid level
Engine torque reduction in case of malfunction indication:
High engine coolant temperature
High engine oil temperature
Low engine oil pressure
High crank case pressure
High charge air temperature
Engine shutdown to idle in case of malfunction indication:
High transmission oil temperature
Slip in transmission clutches
Key pad, background lit
Start interlock when gear is engaged

Hydraulic system

Main valve, double acting 2-spool with hydraulic pilots
Variable displacement axial piston pumps (2) for:
Working hydraulics, pilot hydraulics, steering system, brakes
Cooling fan, brakes
Hydraulic control levers
Mechanical hydraulic lever lock
Automatic boom kick-out
Automatic bucket positioner
Double acting hydraulic cylinders
Indicator glass for hydraulic oil level
Hydraulic oil cooler

Brake system

Dual brake circuits
Dual brake pedals
Secondary brake system
Parking brake, electrical-hydraulic
Brake wear indicators
Outboard mounted circulating oil cooled wet disc brakes on all four wheels

Equipment

STANDARD EQUIPMENT

Cab

Volvo Copilot with Rearview camera standard
ROPS (ISO 3471), FOPS (ISO 3449)
Single key kit door/start
Acoustic inner lining
Cigarette lighter, 24 V power outlet
Lockable door
Cab heating with fresh air inlet and defroster
Fresh air inlet with two filters
Automatic heat control
Floor mat
Dual interior lights
Interior rearview mirrors
Dual exterior rearview mirrors
Sliding window, right side
Tinted safety glass
Retractable seatbelt (SAE J386)
Adjustable steering wheel
Storage compartment
Document pocket
Sun visor
Beverage holder
Windshield washer front and rear
Windshield wipers front and rear
Interval function for front and rear wipers
Foot step, left side (toolbox lockable included)
ACC control panel, with Fahrenheit scale
Anchorage for Operator's manual
Service and maintenance
Engine oil remote drain and fill
Transmission oil remote drain and fill
Sliding hydraulic oil cooler and AC-condenser
Lubrication manifolds, ground accessible
Pressure test ports: transmission and hydraulic, quick connects
Service platforms with anti-slip surfaces
Quick-fit hydraulic oil fill
CareTrack
Telematics, 6 -year subscription
Toolbox, lockable
External equipment
Basic fenders, front and rear
Viscous cab mounts
Rubber engine and transmission mounts
Engine hood, electronically openable
Frame, joint lock
Vandalism lock for engine compartment
Lifting eyes
Tie down eyes
Tow hitch
Counterweight, pre-drilled for optional guards

OPTIONAL EQUIPMENT

Engine

Air pre-cleaner, cyclone type
Air pre-cleaner, oil-bath type
Air pre-cleaner, turbo type
Engine auto shut down
Engine block heater, 120V / 230V
Fuel heater
Fuel fill strainer
Hand throttle control
Max. fan speed, hot climate
Reversible cooling fan
Drivetrain
Lock-up torque converter
Rear axle with limited slip
Speed limiter, 20 km/h
Speed limiter, 30 km/h
Speed limiter, 40 km/h

OPTIONAL EQUIPMENT

Hydraulic system

Arctic kit: Attachment locking, pilot hoses and hydraulic oil
Attachment bracket, cast, visibility-optimized
Attachment bracket, side-tilting
Separate attachment locking, long boom
Separate attachment locking, standard boom
Single acting lifting function
Boom suspension system
Hydraulic fluid, biodegradable, Volvo
Hydraulic fluid, fire resistant
Hydraulic fluid, for hot climate
Hydraulic, 2 functions Electro-servo, std/long boom
Hydraulic, 3 functions Electro-servo, std/long boom
Hydraulic, 4 functions Electro-servo, std/long boom
Single lever control, 2 funct Electro-servo, std/long boom
Single lever control, 3 funct Electro-servo, std/long boom
Single lever control, 4 funct Electro-servo, std/long boom

Brake system

Parking brake alarm, audible
Stainless steel, brake lines
Axle oil cooler

Cab

Asbestos dust protection filter
Automatic Climate Control, ACC
Automatic Climate Control, ACC, corrosion protection condenser
Cab air pre-cleaner, cyclone type
Carbon filter - cab
Remote door opener
Lunch box holder
Operator's seat, Volvo air-suspended, heavy-duty, high back, heated
Operator's seat, Volvo air-susp, 3-point seatbelt
Operator's seat, Premium Comfort ISRI
Operator's seat, Premium Comfort ISRI 3-point seat belt
Armrest, operator's seat, ISRI, left only
Armrest, operator's seat, Volvo, left
Safety belt, 3" (75mm) width
Safety belt warning
Radio installation kit including 12 volt outlet, left-side
Radio installation kit including 12 volt outlet, right-side
Radio installation kit, 12V, for USA
Radio with AUX, Bluetooth and USB connection
DAB Radio
Subwoofer
Forward view mirror
Rear view mirrors, el.adjusted and heated
Rear view mirrors, long arm right
Rear view mirrors, el.adjusted and heated, long arm right
Steering wheel knob
Sun blinds, rear windows
Sun blinds, side windows
Timer cab heating
Universal door/ignition key
Window, sliding, door
Cab, Hot applications. Roof, steel
Fire extinguisher cab
Outside steel protection cab
Rear view mirrors long arm, cab
Reinforced windshield, flat

Service and maintenance

Automatic lubrication system
Automatic lubrication system for long boom
Oil sampling valve
Refill pump for automatic lubrication system
Tool kit
Wheel nut wrench kit

OPTIONAL EQUIPMENT

Electrical

Battery disconnect switch, additional in cab
Anti-theft device
Headlights, assym. left
Headlights, assym. right LED
Headlights, assym. left LED
Emergency stop
License plate holder, lighting
Reduced function working lights when reverse gear activated
Side marker lamps
Forward camera, colour
Rear view mirrors, long arm, right side
Rearview mirrors, adjustable, el. heated
Reverse alarm
Reverse lights
Reversing warning light
Reverse warning light, strobe lightning
Warning beacon (flasher), LED automatic
Warning beacon (flasher), LED
Seatbelt indicator, external
Working lights, attachments, 1 LED
Warning beacon LED
Warning beacon LED automatic
LED Head Light
LED tail light
LED working lights, attachments
LED working lights on cab, front and rear
LED working lights on cab, front, 2 alt. 4 LED lamps
LED working lights on cab, rear, 2 alt. 4 LED lamps
LED working lights, rear in grille, 2 LED lamps
LED working lights, front above head lamps, 2 LED lamps
LED work lights, side on cab, 4 LED lamps
LED light packages
Working lights halogen, attachments
Working lights on cab halogen, front and rear
Working lights on cab halogen, rear
Co Pilot available
Rearview camera in Co pilot
Max Boom height
Can Bus Interface
Delayed Engine Shutdown

Protective equipment

Anti-theft device
Bellyguard front
Bellyguard rear
Boom cylinder hose and tube guards
Cab roof, heavy duty
Center hinge and rear frame guard
Corrosion protection, painting of machine
Cover plate front frame, heavy-duty
Cover plate, under cab
Cover plates rear frame
Guards for front headlights
Grease nipple guards
Guards for radiator grill
Guards for tail lights, heavy-duty
Wheel/axle seal guards
Window guards, side and rear
Windshield guard

OPTIONAL EQUIPMENT

External equipment

Deleted front mudguards
Fire extinguisher
Bracket for fire extinguisher
Fire suppression system
Mudguards, full cover, rear for 80-series tires
Mudflap kit for mudguards, full cover for 80-series tires
Mudguards, full cover, rear and front/rear for 65-series tires
Mudflap kit for mudguards, full cover for 65-series tires
Footsteps front frame
Footsteps, right-hand side
Flexible rear step
Cab ladder, rubber suspended

Other equipment

CareTrack, GSM/Satellite
CE-marking
Comfort Drive Control (CDC) Electro-servo
Secondary steering
Counterweight, logging
Counterweight, signal painted, chevrons
Option for machines without dinitrol
Noise reduction kit, EU excluding decal
Sign, 50 km/h
Sign, slow moving vehicle

Tires and Rims

20.5R25
600/65R25
650/65R25
620/75R26 Agriculture application only
750/65R26 Agriculture application only

Attachments

Buckets:
Straight
Spade nose
High tipping
Light material
Grading
Wear parts:
Bolt-on edge
Bolt-on or weld-on bucket teeth
Segments
Log grapples
Fork equipment
Material handling arm
Snow blade
Broom
Sand spreading bucket

V O L V O



Required Affidavit for Bidders, Offerors and Contractors (KRS 45A.110 & 45A.115)

Affidavit Effective for One (1) Year from Date of Execution

Instructions: Pursuant to [KRS 45A.110](#) and [45A.115](#), a bidder, offeror, or contractor ("Contractor") is required to submit a Required Affidavit for Bidders, Offerors, and Contractors to be awarded a contract, or for the renewal of a contract. An authorized representative of the contracting party must complete the attestation below, have the attestation notarized, and return the completed affidavit to the Commonwealth.

Attestation

As a duly authorized representative for the Contractor, I swear and affirm under penalty of perjury, that that the Contractor has not knowingly violated campaign finance laws of the Commonwealth of Kentucky and that the award of a contract will not violate any provision of the campaign finance laws of the Commonwealth. For purposes of this attestation, "Knowingly" means that the bidder or offeror is aware or should have been aware of the existence of a violation. The bidder or offer understands that the Commonwealth retains the right to request an updated affidavit at any time.

Greg Curlin
Signature

Greg Curlin

Printed Name

Executive Director
Title

05/21/2024
Date

Bidder or Offeror Name: Hickman-Fulton Co. Riverport Authority Inc.
Address: 625 Catlett Street
Hickman, Kentucky, 42050

Commonwealth of Kentucky Vendor Code (If known): KY0016208

Subscribed and sworn to before me this 21st day of May, 2024.

State of: Kentucky

Notary: Keleia McCloud

County of: Fulton

My Commission Expires: 3-19-25

