

BID SUBMITTAL FORM
Alabama County Joint Bid Program
BID ITEM – 100 HP HYDROSTATIC BULLDOZER – OPTION D

Company Name: TRACTOR AND EQUIPMENT CO INC

Address: P.O. Box 12326
BIRMINGHAM AL 35212

Bid Submitted by: AUTREY McMillan JR
(Name of company representative)

Title: V.P. E-mail address: amcmj19n@TEC1973.com

Phone: 205-591-2131 Fax: 205-591-8321

By submitting this bid, we agree:

Initials
AM
AM
AM
AM
AM
AM
AM
AM
AM

The equipment model number identified below meets the bid specs for this bid item

That the bid price will be honored for all counties for the period from January 1, 2023 to December 31, 2023.

The equipment will be delivered at the bid price to all counties participating in the joint bid program

The company representative listed above will be the contact person for purchasing this bid item under the joint bid program

The bid is accompanied by a current catalog or model specification document for the model number identified below

The bid is accompanied by a copy of the manufacturer's standard warranty as required in the bid specifications

The bid includes the e-verify documentation required by Alabama law

If awarded the bid, a performance bond will be provided upon request

The bid documents include the **Manufacturer's Suggested Retail Price Sheet (MSRP) for the Standard Machine**

100 HP HYDROSTATIC BULLDOZER – OPTION D

Total Bid Price for Standard Machine: \$ 187,200⁰⁰
(Total Bid Price for Standard Machine Includes Freight Preparation, Delivery and Standard Warranty Costs)*

Freight Preparation and Delivery: \$ 4800⁰⁰
(Included in Standard Machine Bid Price)

Manufacturer's Suggested Retail Price for Standard Machine: \$ 251,619⁰⁰

Equipment Model #: D39PX-24 (KOMATSU)

Description: 100 HP CRAWLER DOZER (OPTION D)

Signature of company representative submitting bid: 

Title: V.P.

* **NOTE:** Award will be made based on the total cost of the **Standard Machine**. The total cost of the standard machine is to include the freight preparation, delivery and standard warranty cost. Freight preparation, delivery will be excluded from the total bid price of the standard machine in determining the percentage discount for any available options.

* BID INCLUDES: 5 YEAR / 3000 HRS HST CARE
36 MONTHS / 2000 HRS KOMATSU CARE

**BID SUBMITTAL FORM: OPTION COST SHEET
100 HP HYDROSTATIC BULLDOZER – OPTION D**

By submitting this bid, we agree:

To offer any available options at the percent difference between the Manufacturer's Suggested Retail Price Sheet and the actual bid price on the Standard Machine*


AM

The bid documents include the Manufacturer's Suggested Retail Price Sheet (MSRP) with **any available Options** for the Standard Machine

AM

Equipment Model #: D39PX-24 (KOMATSU)

Description: 100 HP HYDROSTATIC DOZER (OPTION D)

Signature of company representative submitting bid: 

Title: V.P.

***Note:** The percent difference between the **Manufacturer's Suggested Retail Price Sheet (MSRP)** for the standard machine as specified by these **Bid Specifications** and the actual price bid by the vendor will be calculated to determine the percentage discount to be applied to any available options. The bid price of the freight preparation, delivery cost shall be excluded in determining the percentage discount to be applied to available options. Any individual county may choose to add any available option to the standard machine at the percentage discount at the time of purchase.

**BID SPECIFICATIONS
FOR
100 HP HYDROSTATIC BULLDOZER – OPTION D**

GENERAL

These specifications shall be construed as the minimum acceptable standards for a 100 hp hydrostatic low ground pressure bulldozer. Should the manufacturer's current published data or specifications exceed these standards, the manufacturer's standards shall be considered minimum and shall be furnished. All integral parts not specifically mentioned in the scope of these specifications that are necessary to provide a complete working unit shall be furnished. Additionally, the machine offered for bid shall include all standard manufacturer's equipment. The bulldozers must be a new current production model and shall meet all EPA and other applicable standards at the time of manufacture.

The use of specific names and numbers in the specifications is not intended to restrict the bidder or any seller or manufacturer, but is intended solely for the purpose of indicating the type, size and quality of equipment considered best adapted to the uses of counties participating in this joint bid.

BID SUBMITTAL FORM

Each bidder must submit his or her bid on the Bid Submittal Form included in the invitation to bid package. All written warranties to be submitted shall be attached to the Bid Submittal Form.

BID PRICE

The price bid shall include all destination charges, delivery charges, title fees, rebates, and all other applicable costs and refunds.

MANUALS

Each unit shall be provided with one (1) copy of the operator's manual and one (1) copy of the current parts manual. Units will not be accepted for delivery until the manuals as outlined above are received by the purchaser.

REPLACEMENT PARTS AVAILABILITY

Parts must be available for 5 years or 7,500 hours of use for the piece of equipment bid. If replacement parts are not delivered within three (3) working days of an order being placed, the bidder will deliver an equivalent machine for the county to use at no cost to the county until such time as the parts are delivered to the county so it can affect repairs to its machine.

WARRANTY

Bidders shall submit a copy of the manufacturer's standard warranty. Warranty shall include service response time of maximum of 36 hours within notification by county.

Yes No
Page# _____
or
Attachment

ENGINE

Shall be a turbocharged diesel engine with a displacement of not less than **199 cubic inches**, capable of developing a minimum of **105 net** flywheel horsepower (SAE J1349).

Yes No
Page # 14

Engine shall be manufactured by the equipment manufacturer.

Yes No
Page # 14

WEIGHT

Operating weight with blade, operator, full fuel tank, and ROPS canopy shall not be less than **22,800 lbs.**

Yes No
Page # 14

Minimum Ground Clearance shall be 15 inches

Yes No
Page # 15

ELECTRICAL SYSTEM

Shall be equipped with a minimum **85-amp** alternator.

Yes No
Page # 16

TRANSMISSION

Shall be equipped with a hydrostatic type transmission.

Yes No
Page # 14

STEERING

All steering functions must be able to be performed using one hand only.

Yes No
Page # 14

UNDERCARRIAGE

The tractor shall be equipped with sealed and lubricated tracks. Minimum shoe width shall be **27.5 inches**. Track sag shall be hydraulically adjusted.

Yes No
Page # 14

BLADE

The machine shall be equipped with a six-way (pat) blade with a minimum capacity of **3.14 cubic yards**. And a minimum blade width of **128 inches**.

Yes No
Page # 15

VANDALISM PROTECTION

Machine shall be equipped with all standard and optional factory vandalism protection available for the machine bid.

Yes No
Page # 16

Hydraulics

Minimum pump flow shall be **26 gpm** and minimum system pressure of **3900 psi**.

Yes No
Page # 15

SAFETY EQUIPMENT

Gauges and indicators shall be provided to monitor critical (fuel level, coolant temperature, powertrain oil temperature, and hydraulic oil temperature) operational systems of the machine and alert the operator when potential problems occur.

Yes No
Page # 11/13

Rear view mirror; backup alarm.

Yes No
Page # 9/16

Heavy duty hinged radiator guard

Yes No
Page # 16

Crankcase guard

Yes No
Page # 16

Track center guiding guard

Yes No
Page # 14/15

Pre-cleaner guard

Yes No
Page # 16

Front tow hooks

Yes No
Page # 16

Heavy duty rear drawbar

Yes No
Page # 16

Fire extinguisher

Yes No
Page # SUPPLIED BY DEALER

Water separator

Yes No
Page # 16

KOMATSU[®]

D39EX-24 **D39PX-24**

Tier 4 Final Engine

CRAWLER DOZER

D
3
9



Photos may include optional equipment.

NET HORSEPOWER

105 HP @ 2200 rpm
78 kW @ 2200 rpm

OPERATING WEIGHT

D39EX-24: 21,891 lb 9930 kg
D39PX-24: 22,817 lb 10350 kg

BLADE CAPACITY

Power Angle Tilt (PAT) Dozer:
D39EX-24: 2.89 yd³ 2.21 m³
D39PX-24: 3.14 yd³ 2.40 m³

WALK-AROUND

D39EX/PX-24



Photos may include optional equipment.

NET HORSEPOWER

105 HP @ 2200 rpm
78 kW @ 2200 rpm

OPERATING WEIGHT

D39EX-24: 21,891 lb 9930 kg
D39PX-24: 22,817 lb 10350 kg

BLADE CAPACITY

Power Angle Tilt (PAT) Dozer:
D39EX-24: 2.89 yd³ 2.21 m³
D39PX-24: 3.14 yd³ 2.40 m³



OUTSTANDING PRODUCTIVITY & FUEL ECONOMY

Power and Economy modes:

Power mode provides full power when needed. Use Economy mode for light dozing and extra fuel economy.

Precise engine and efficient hydrostatic pump control technology improves operational efficiency and lowers fuel consumption.

SAA4D95LE-7 variable flow turbocharged and aftercooled 3.26 liter diesel engine provides excellent fuel economy. This engine is EPA Tier 4 Final emissions certified.

Water Cooled Variable Flow Turbocharger uses a simple valve to provide optimum air flow under all speed and load conditions.

Komatsu Diesel Oxidation Catalyst (KDOC) and Selective Catalytic Reduction (SCR) systems reduce particulate matter and NOx using passive regeneration 100% of the time. No active or manual regeneration is required.

New Komatsu Auto Idle Shutdown helps reduce excessive idle time.

Rear view monitoring system (standard)

Advanced diagnostic system continuously monitors machine operation and vital systems to identify machine issues, assists with troubleshooting, and minimizes down time.

Single pedal can act as either brake or decelerator.

Efficient Cooling System:

- Electronically controlled, hydraulically-driven fan is manually reversible
- Rear hinged radiator guard with gas assisted lift cylinders, opens easily for cleaning
- Side-by-side coolers provide single plane to reduce chances of plugging

The **KOMTRAX®** telematics system is standard on Komatsu equipment with no subscription-fee's throughout the life of the machine. Using the latest wireless technology, **KOMTRAX®** transmits valuable information such as location, utilization, and maintenance records to a PC or smart-phone app. Custom machine reports are provided for identifying machine efficiency and operating trends. **KOMTRAX®** also provides advanced machine troubleshooting capabilities by continuously monitoring machine health.

New Operator Identification System (standard) can be monitored through KOMTRAX

Integrated ROPS cab features:

- Large, quiet, pressurized cab
- Exceptional visibility with super slant nose design and integrated ROPS structure
- Heated air-ride seat with high capacity suspension (standard)
- Standard aux jack and (2) 12V power convertors
- Bluetooth radio and LED worklights

Improved durability:

- Heavy-plate steel used for nose and tanks
- Dozer frame with full steel castings
- Komatsu designed and manufactured components



Photos may include optional equipment.

Self-adjusting idler support provides constant and even idler tension, reducing vibration and increasing undercarriage life.

Parallel Link Undercarriage System (PLUS) provides up to double the wear life and lowers repair and maintenance costs compared to a standard undercarriage design.

New Triple Labyrinth Final Drive provides additional protection for the final drive floating seals.

Power Angle Tilt (PAT) dozer with manually adjustable blade pitch increases productivity in a variety of applications.

- Three mounting locations for grade control masts

Complete operator blade control:

- Palm Command Control System (PCCS)
- Electronic Proportional Control (EPC)
- Adjustable Quick shift and Variable shift modes
- Blade angle switch
- New three blade control settings
- Up to 5 individual operator memory settings

Efficient Hydrostatic Transmission with electronic control:

- Customizable quick shift (3 speed) settings for the operator
- Variable speed selection (20 speeds)
- Low speed matching technology (larger displacement pumps/efficient engine speed)
- HST control system reduces fuel consumption

Large color monitor:

- Easy-to-read and use large 7" high-resolution multi-color LCD monitor
- Ecology guidance
- Easy-to-use onboard diagnostics that don't require a laptop
- Real-time DEF monitoring so the operator can see actual DEF levels

Convenient shovel holder (standard)

PERFORMANCE FEATURES

KOMATSU NEW ENGINE TECHNOLOGIES

Komatsu's New Emission Regulations-compliant Engine

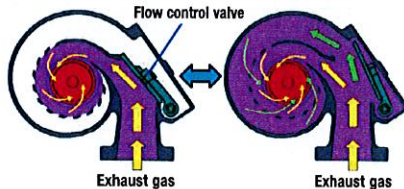
New regulations effective in 2014 require the reduction of NOx emissions. In addition to refining the U.S. EPA Tier 4 Interim technologies, Komatsu developed a new Selective Catalytic Reduction (SCR) device in-house.

- 1 Komatsu Diesel Oxidation Catalyst (KDOC)
- 2 Variable flow turbocharger
- 3 Komatsu Closed Crankcase Ventilation (KCCV)
- 4 SCR

Technologies Applied to New Engine

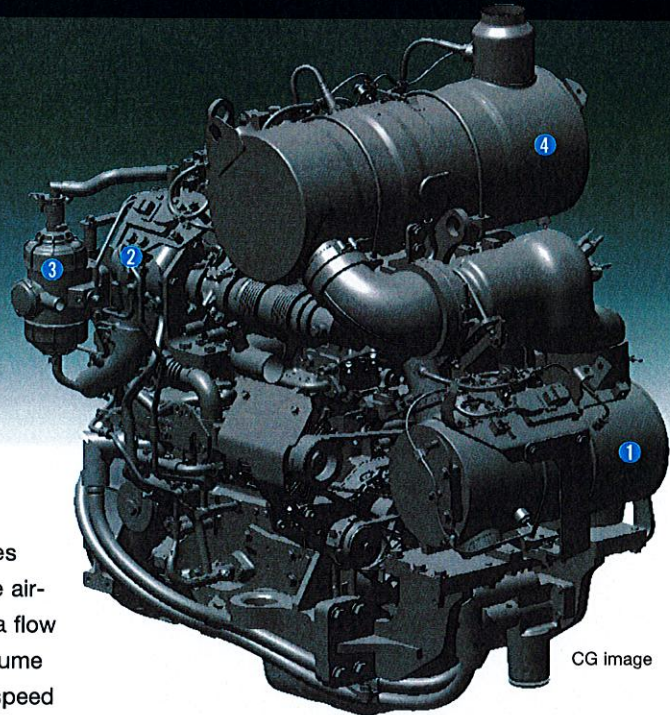
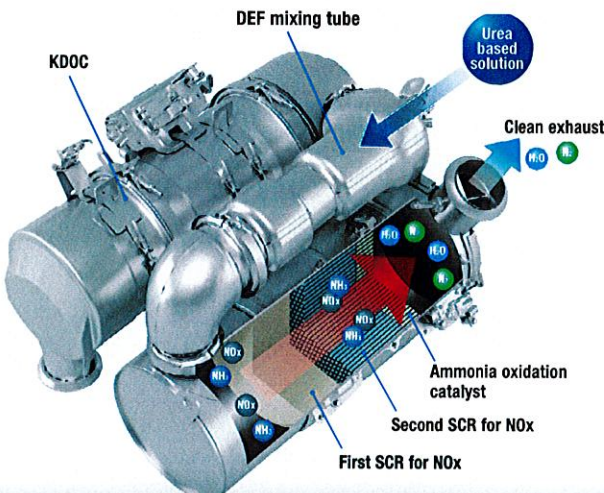
Water cooled variable flow turbocharger

A newly designed variable flow turbocharger features simple and reliable technology that varies the intake air-flow. Exhaust turbine wheel speed is controlled by a flow control valve that enables delivery of an optimal volume of air to the engine combustion chamber under all speed and load conditions. The result is cleaner exhaust gas while maintaining power and performance.



Heavy-duty aftertreatment system

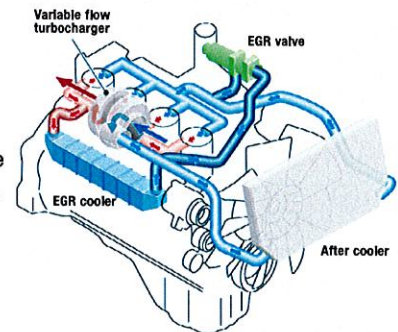
This new system consists of a KDOC and a SCR. The SCR NOx reduction system injects the correct amount of Diesel Exhaust Fluid (DEF) at the proper rate, thereby decomposing NOx into non-toxic water (H₂O) and nitrogen gas (N₂).



CG image

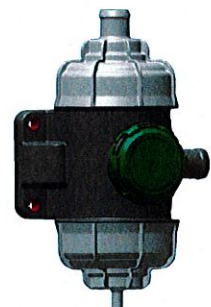
Cooled Exhaust Gas Recirculation (EGR)

Cooled EGR, a technology well-proven in existing Komatsu engines, reduces NOx emissions. These components ensure reliable performance during the demanding work conditions of construction equipment.



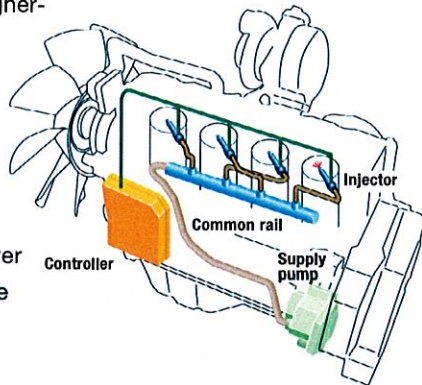
Komatsu Closed Crankcase Ventilation (KCCV)

Crankcase emissions (Blowby gas) are passed through a KCCV filter. The KCCV filter traps oil mist which is returned back to the crankcase while the gas, which is almost oil mist free, is fed back to the air intake.



Heavy-duty High Pressure Common Rail (HPCR) fuel injection system

The system is designed to achieve an optimal injection of high-pressure fuel by means of computerized control, thereby bringing close to complete combustion to reduce Particulate Matter (PM) emissions. While this technology is already used in current engines, the new system uses higher-pressure fuel injection, thereby reducing both PM emissions and fuel consumption over the entire engine power range.



Advanced electronic control system

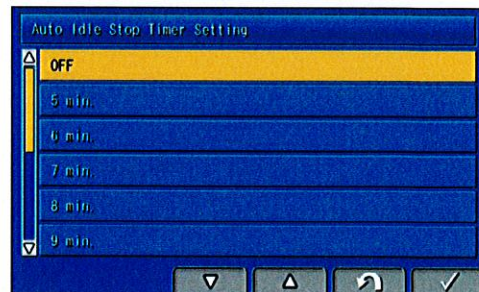
The electronic control system performs high-speed processing of all signals from sensors installed in the vehicle and engine. This ensures total control of the equipment under all conditions. Engine condition information is displayed via an on-board network on the monitor inside the cab. Furthermore, KOMTRAX helps customers use this information to keep up with maintenance needs.

Redesigned combustion chamber at top of piston

The combustion chamber at the top of the piston has a new shape designed to improve combustion and further reduce NOx, PM, fuel consumption and noise.

Auto Idle Shutdown Function

Komatsu auto idle shutdown automatically shuts the engine down after idling for a set period of time to reduce unnecessary fuel consumption and exhaust emissions. The amount of time before the engine is shutdown can be easily programmed from 5 to 60 minutes.



PRODUCTIVITY & FUEL ECONOMY FEATURES

HYDROSTATIC TRANSMISSION (HST) CONTROL SYSTEM

HST Control System

The HST controller monitors engine output and work load. It controls HST pump and motor displacement to provide the optimum speed and drawbar pull. Full power to both tracks during turns or counter-rotation makes the D39EX/PX-24 extremely maneuverable.



Fuel Efficiency

The efficient HST control system can reduce fuel consumption.

Fuel consumption reduced by up to 5%

Compared with D39EX/PX-23 in P mode
Based on typical work pattern collected via KOMTRAX

Hydraulically Driven Cooling Fan

The engine cooling fan's speed is electronically controlled. Fan speed depends on engine coolant and oil temperatures. The fan will only rotate as fast as is necessary to adequately cool the machine's fluid. This system increases fuel efficiency, reduces operating noise levels and requires less horsepower than a belt-driven fan.

Long Track-On-Ground and Oscillating Track Frame

Long machine track-on-ground and oscillating track frames improve stability and grading/grading performance.

Selectable Working Mode

P mode is the mode designed for powerful operation and maximum production. E mode is designed for general dozing applications, providing adequate speed and power, while saving energy. For fuel reduction and energy savings, the monitor panel allows the operator to easily switch between working modes, depending on working conditions.

P mode (Power mode)

With P mode, the engine outputs its full power, allowing the machine to perform work requiring large production, heavy-load, and uphill work.

E mode (Economy mode)

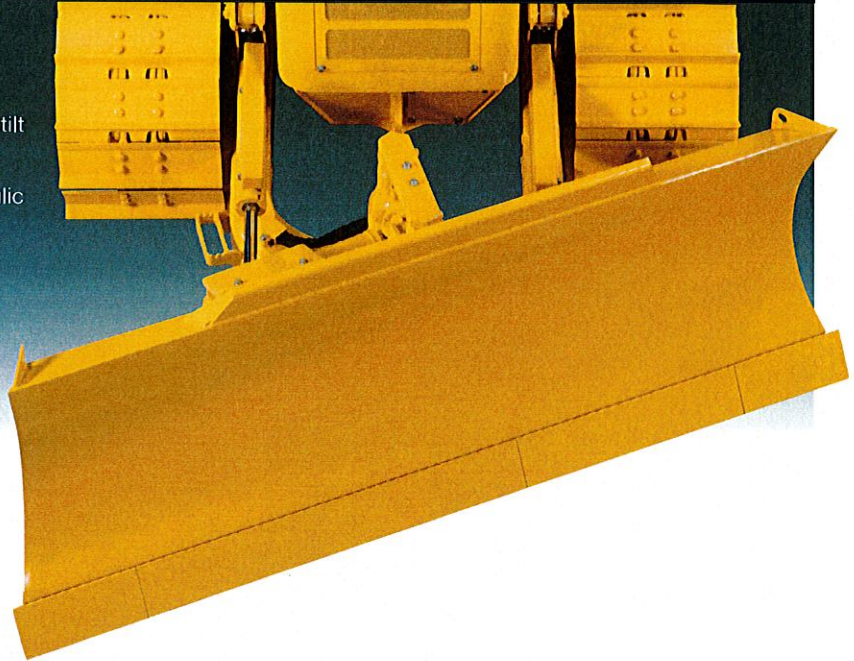
With E mode, the engine outputs enough power for the work without delivering unnecessary power. This mode enables energy saving operation and is ideal on hard or rough surfaces that often cause shoe slip and work not requiring as much power, such as downhill dozing, leveling and light-load work.

D39EX/PX-24

PAT DOZER

Moldboard PAT Dozer with Adjustable Pitch

A high wear-resistant power angle, power tilt dozer blade with adjustable blade pitch is available on the D39EX/PX-24. The hydraulic blade tilt and angling function expands versatility and productivity in a variety of applications.



Unrivaled Blade Visibility

The D39EX/PX-24 incorporates Komatsu's super-slant nose design. Komatsu's innovative design provides excellent blade visibility for improved machine control and increased efficiency and productivity.



CONTROL FEATURES

D39EX/PX-24

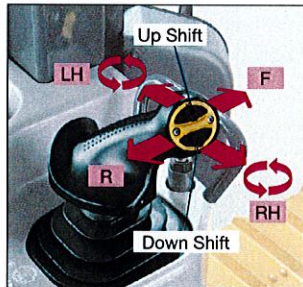


Palm Command Control System (PCCS) Levers

Komatsu's ergonomically designed PCCS handles create an operating environment with complete operator control.

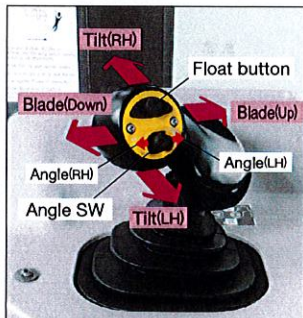
PCCS

The low-effort PCCS joystick controls all directional movements, including machine travel speed as well as counter-rotation.



Electronic controlled hydraulic system

Electronic controlled palm commanded joystick provides precise blade control. New blade angling switch operation provides easier and predictable blade control.

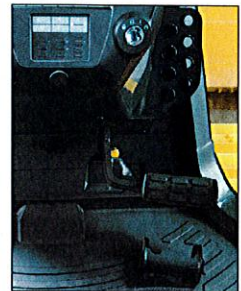


HST with Electronic Control

The D39EX/PX-24 is equipped with Komatsu-designed HST that allows for Quick-Shift or variable speed selection. The HST consists of dual-path closed-circuits, with two variable displacement piston pumps and two variable displacement travel motors. Hydrostatic steering eliminates steering clutches and brakes, providing smooth, powerful turns. Fully electronic control provides complete automatic shifting and enables smooth control. Engine speed is controlled using an electronic fuel control dial.

One-Pedal Design (Decelerator/Brake Pedal) Controls Speed, During Operation

Machine operation is simple because brake function has been integrated into the decelerator pedal. Machine travel speed can be controlled using one pedal. The pedal function can be changed by a mode selector switch.



Decelerator mode: The pedal modulates engine rpms and vehicle travel speed. It can be used for all applications.

Brake mode: The pedal modulates vehicle travel speed while maintaining high-engine speed. This mode can be helpful to maintain work-equipment speed, while using the brake function.

WORKING ENVIRONMENT

Integrated ROPS (ISO 3471) Cab

The D39EX/PX-24 has an integrated ROPS (ISO 3471) cab. High rigidity and superb sealing performance sharply reduce noise and vibration for the operator and discourage dust from entering the cab. In addition, side visibility is increased because external ROPS (ISO 3471) structure and posts are not required.

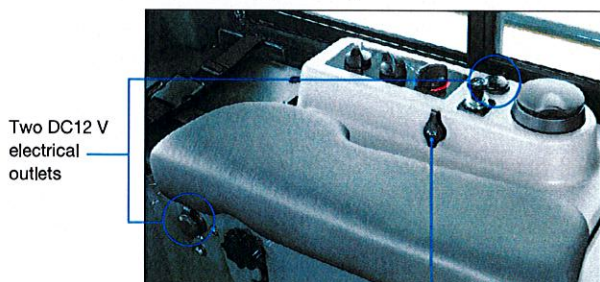


Comfortable Ride with Cab Damper Mounting

The D39EX/PX-24's cab mount uses a cab damper system that provides excellent shock and vibration absorption which conventional mounting systems are unable to match. The silicon-oil-filled cab damper mount helps to isolate the cab from the machine body, suppressing vibration and providing a quiet, comfortable operating environment.

Auxiliary Input Jack & Two DC12 Volt Electrical Outlets

By connecting an auxiliary device to this plug input, the operator can play audio from a mobile device through the machine's sound system. Two DC12 volt electrical outlets can be used as a power source for radio equipment or others. One DC24 volt cigarette lighter.



Two DC12 V electrical outlets

Auxiliary input jack

Comfortable Ride with Heated Operator Seat

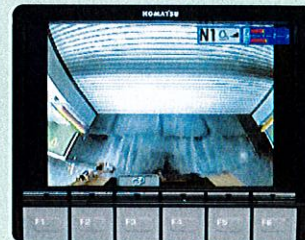
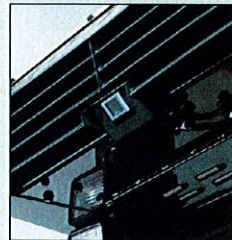
The operator seat has adjustable lumbar support, tilt and an electric heater. It is easy to adjust to the operator's shape and comfortable operation is possible in a variety of conditions. Also, the seat heat makes it possible to work comfortably in the winter.



ADDITIONAL OPERATOR CONVENIENCE EQUIPMENT

Rear view monitor system

On the large LCD color monitor, the operator can view, through one camera, areas directly behind the machine. This camera can be synchronized with reverse operation.



Secondary engine shutdown switch

A new secondary switch has been added at the side of the front console to shut down the engine in an emergency.

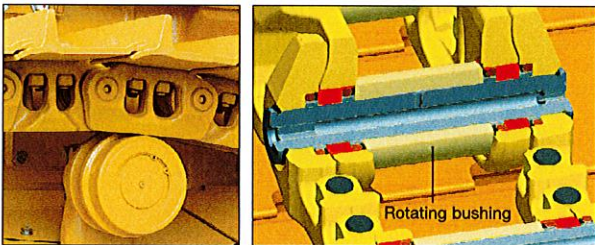


RELIABILITY & MAINTENANCE FEATURES

Excellent Reliability & Durability

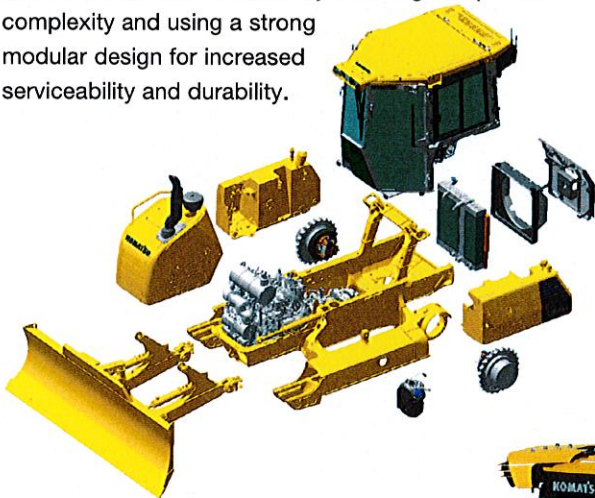
Parallel Link Undercarriage System (PLUS)

Komatsu's PLUS rotating bush design provides less downtime, longer wear, and with up to 40% lower undercarriage maintenance costs. Rotating bushings eliminate the cost and downtime for bushing turns, and strengthened rollers and links increase wear life up to two times. With PLUS, individual links can be replaced with common track tools.



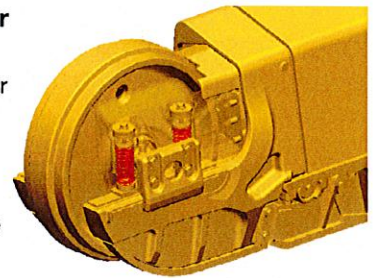
Modular design

One of the design goals behind the creation of the D39EX/PX-24 was to manufacture a more durable machine. This was achieved by reducing component complexity and using a strong modular design for increased serviceability and durability.



Self-adjusting idler support

The self-adjusting idler support provides constant and even tension on idler guide plates, reducing noise and vibration and increasing undercarriage life.



Easy Maintenance

Planned maintenance and daily checks are the only way to ensure long service life from equipment. That's why Komatsu designed the D39EX/PX-24 with conveniently located maintenance points to make necessary inspections and maintenance quick and easy.

Rear, hydraulically-driven, swing-up fan

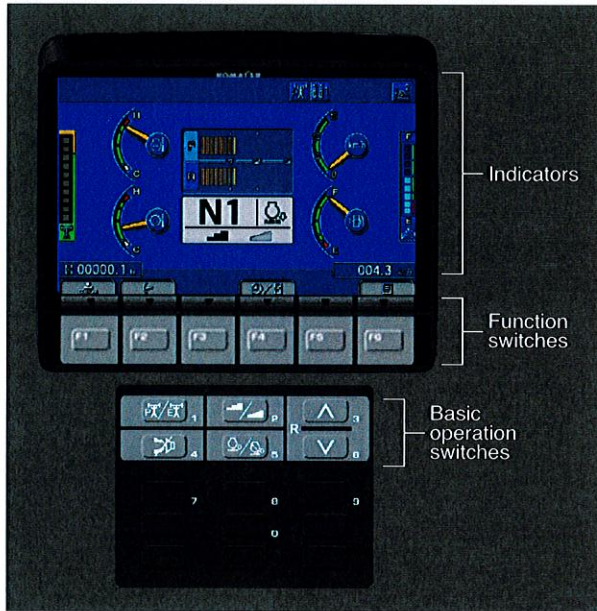
The D39EX/PX-24 utilizes a swing-up fan with a gas strut-assisted lift system to provide easy access to the (side-by-side) radiator, oil cooler and charge air cooler. The hydraulic fan has a cleaning mode which enables the fan to rotate in the reverse direction to help clear off objects that are restricting air flow.



TECHNOLOGY FEATURES

Large Multi-Lingual High Resolution LCD Monitor

A large, user-friendly color monitor provides easy-to-understand information for the operator. Excellent screen visibility is achieved with a high resolution LCD monitor that is easy to read at various angles and lighting conditions. Simple and easy-to-operate switches and function keys facilitate multi-function operations. The monitor displays data in 26 languages.



Multi-monitor with Troubleshooting Function to Minimize Down Time

Various meters, gauges and warning functions are centrally arranged on the multi-monitor. The monitor simplifies start-up inspection and promptly warns the operator with a lamp and buzzer if any abnormalities occur. In addition, warning indicators are displayed in 4 levels to alert the operator of potential issues. Replacement times for required PM services are also indicated.



Energy Saving Operation

Ecology guidance

In order to support efficient operation, the following four messages are displayed for fuel saving operation. These can be displayed by the operator, if desired.

- 1) Avoid Excessive Engine Idling
- 2) Use Economy Mode to Save Fuel
- 3) Avoid Hydraulic Relief Pressure
- 4) Avoid Over Load

Ecology gauge Ecology guidance



Fuel consumption display

Ecology gauge

To help the operator to perform in an environmentally friendly way and minimize energy consumption, an easy-to-read "Ecology gauge" is displayed on the left of the multi-monitor screen.

Fuel consumption display

Average fuel consumption during the day is displayed and updated every 10 seconds.

Ecological Operation Report for Assistance

KOMTRAX is Komatsu's remote equipment and fleet monitoring system. Wireless technology and a secure web-based application offer the information needed to make the best possible operation and management decisions. From location, actual hours worked and fuel consumption, to maintenance monitoring, abnormality codes and load frequency, operators receive reports that are simple to read and understand. The new D39EX/PX-24 adds the following new information for fuel consumption reduction.

- Guidance to improve fuel consumption
- Ecological operation report.
- Operating hours by operation mode (E or P mode)
- Service information for U.S. EPA Tier 4 Final (regeneration information)

KOMTRAX	
Energy Saving Operation Report	
Customer Name	4511015
Customer Machine	4511015
Report Date	2014/08/21
Report Time	08:21
Report User	76501
Report Period	2/7 Day
Report Mode	3 Report
Report Unit	0.01 Mon
Report Location	0.01 Mon
Report Area	0.01 Mon
Report Site	0.01 Mon
Report User	0.01 Mon
Report Time	0.01 Mon
Report Unit	0.01 Mon
Report Location	0.01 Mon
Report Area	0.01 Mon
Report Site	0.01 Mon
Report User	0.01 Mon
Report Time	0.01 Mon
Report Unit	0.01 Mon
Report Location	0.01 Mon
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KOMATSU PARTS & SERVICE SUPPORT



KOMATSU CARE®

Program Includes:

*The D39EX/PX-24 comes standard with complimentary factory scheduled maintenance for the first 3 years or 2,000 Hours, whichever comes first.

Planned Maintenance Intervals at:

500/1000/1500/2000 hour intervals. (250 hr. initial interval for some products) Complimentary Maintenance Interval includes: Replacement of Oils & Fluid Filters with genuine Komatsu Parts, 50-Point inspection, Komatsu Oil & Wear Analysis Sampling (KOWA) / Travel & Mileage (distance set by distributor; additional charges may apply) Komatsu CARE services are available from every Komatsu Distributor in the U.S. and Canada.

Benefits of Using Komatsu CARE

- Assurance of Proper Maintenance with OEM Parts & Service
- Increased Uptime & Efficiency
- Factory Certified Technicians Performing Work
- Cost of Ownership Savings
- Transferable Upon Resale

Complimentary SCR System Maintenance

The D39EX-24 also includes 2 factory recommended services of the Selective Catalytic Reduction (SCR) Diesel exhaust fluid (DEF) system during the first 5 years—no hour limit including:

- Factory recommended DEF tank flush and strainer cleaning at 4,500 hours and 9,000 hours

Komatsu CARE® – Advantage Extended Coverage

- Extended Coverage can provide peace of mind by protecting customers from unplanned expenses that effect cash flow
- Purchasing extended coverage locks-in the cost of covered parts and labor for the coverage period and helps turn these into fixed costs



* Some exclusions apply. Please contact your Komatsu distributor for specific program details.



Komatsu Parts Support

- 24/7/365 to fulfill your parts needs
- 9 parts Distribution Centers strategically located across the U.S. and Canada
- Distributor network of more than 300 locations across U.S. and Canada to serve you
- Online part ordering through Komatsu eParts
- Remanufactured components with same-as-new warranties at a significant cost reduction



Komatsu Oil and Wear Analysis (KOWA)

- KOWA detects fuel dilution, coolant leaks, and measures wear metals
- Proactively maintain your equipment
- Maximize availability and performance
- Can identify potential problems before they lead to major repairs
- Reduce life cycle cost by extending component life

D39EX/PX-24

KOMTRAX EQUIPMENT MONITORING

GET THE WHOLE STORY WITH
KOMTRAX®

✓ WHAT

- KOMTRAX is Komatsu's remote equipment monitoring and management system
- KOMTRAX **continuously monitors and records** machine health and operational data
- Information such as fuel consumption, utilization, and a detailed history **lowering owning and operating cost**

✓ WHEN

- Know when your machines are **running or idling** and make decisions that will improve your fleet utilization
- Detailed movement records ensure you know when and where your equipment is moved
- Up to date records allow you to **know when maintenance is due** and help you plan for future maintenance needs

✓ WHERE

- KOMTRAX data **can be accessed virtually anywhere** through your computer, the web or your smart phone
- Automatic alerts keep fleet managers up to date on the latest machine notifications

✓ WHY

- Knowledge is power - **make informed decisions** to manage your fleet better
- Knowing your idle time and fuel consumption will help maximize your machine efficiency
- **Take control of your equipment** - any time, anywhere

✓ WHO

- KOMTRAX is **standard** equipment on all Komatsu construction products



KOMTRAX®

For construction and compact equipment.

KOMTRAX Plus®

For production and mining class machines.

SPECIFICATIONS



ENGINE

Model.....Komatsu SAA4D95LE-7* ✓
 Type.....4-cycle, watercooled, direct injection
 Aspiration.....Variable flow, turbocharged, air-to-air aftercooled

Number of cylinders.....4
 Bore x stroke.....95 mm x 115 mm **3.75" x 4.52"**
 Piston displacement.....3.26 ltr **199 in³**
 Governor.....All-speed, electronic
 Horsepower
 SAE J1995.....Gross 79 kW **107 HP**
 ISO 9249 / SAE J1349.....Net 78 kW **105 HP** ✓
 Rated rpm.....2200 rpm
 Fan drive type.....Hydraulic
 Lubrication system
 Method.....Gear pump, force lubrication
 Filter.....Full-flow

*EPA Tier 4 Final emissions certified



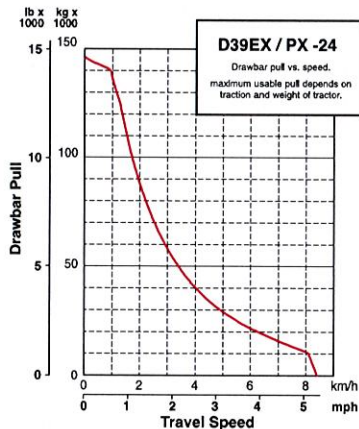
HYDROSTATIC TRANSMISSION

Dual-path, hydrostatic transmission provides infinite speed changes up to 8.5 km/h **5.3 mph**. The variable capacity travel motors allow the operator to select the optimum speed to match specific jobs. Travel control lock lever and neutral switch.

Travel speed (quick shift mode)*	Forward	Reverse
1st	0-3.4 km/h 0-2.1 mph	0-4.1 km/h 0-2.5 mph
2nd	0-5.6 km/h 0-3.5 mph	0-6.5 km/h 0-4.0 mph
3rd	0-8.5 km/h 0-5.3 mph	0-8.5 km/h 0-5.3 mph

Travel speed (variable mode)	Forward	Reverse
	0-8.5 km/h 0-5.3 mph	0-8.5 km/h 0-5.3 mph

*Quick shift speeds are adjustable in the monitor.



FINAL DRIVES

In-shoe mounted, axial-piston-type travel motors, with integrated two-stage planetary gear reduction. Compact, in-shoe mount reduces risk of damage by debris. Bolt-on sprocket ring with triple labyrinth seal design.



STEERING SYSTEM

Palm Command Control System (PCCS) joystick control for all directional movements. Pushing the joystick forward results in forward machine travel, while pulling it back reverses the machine. Simply tilt the joystick to the left or right to make a turn. Tilting the joystick fully to the left or right activates counter-rotation.

Hydrostatic Transmission (HST) provides smooth, powerful turns. Fully electronic control enables smooth control that can be adjusted in the monitor. The PCCS utilizes shift buttons to increase and decrease speed.

Minimum turning radius*

D39EX-24.....2.2 m **87"**

D39PX-24.....2.4 m **94"**

*As measured by track marks on the ground at pivot turn.



UNDERCARRIAGE

Suspension.....Rigid type
 Track roller frameMonocoque, large section, durable construction
 Rollers & idlersLubricated track rollers

Sealed & lubricated track...Track tension easily adjusted w/grease gun

	D39EX-24	D39PX-24 Narrow	D39PX-24 Wide
Number of track rollers (each side)	6	6	6
Type of shoes (standard)	Single grouser	Single grouser	Single grouser
Number of shoes (each side)	39	39	39
Grouser height	mm in 47 1.9"	47 1.9"	47 1.9"
Shoe width (standard)	mm in 510 20"	635 25"	700 27.5" ✓
Ground contact area	cm ² 23919	29782	32970
	in ² 3,708	4,616	5,110
Ground pressure	kPa 36.1	30.1	27.4
(with dozer, ROPS cab)	kgf/cm ² 0.37	0.31	0.28
(ISO 16754)	psi 5.24	4.39	3.98
Track gauge	mm ft.in 1620 5'4"	1810 5'11"	1810 5'11"
Length of track on ground	mm ft.in 2345 7'8"	2345 7'8"	2345 7'8"



SERVICE REFILL CAPACITIES

Coolant.....	34 ltr	9.0 U.S. gal
Fuel tank.....	190 ltr	50.2 U.S. gal
Engine oil.....	11 ltr	2.9 U.S. gal
Hydraulic tank.....	64 ltr	17 U.S. gal
Final drive (each side).....	3.5 ltr	0.9 U.S. gal
Diesel Exhaust Fluid (DEF) tank.....	10 ltr	2.6 U.S. gal



OPERATING WEIGHT (APPROXIMATE)

Tractor weight:

Including ROPS cab, U frame for power angle tilt dozer, rated capacity of lubricant, coolant, full fuel tank, operator, and standard equipment.

D39EX-24.....8790 kg **19,379 lb**
 D39PX-24.....9140 kg **20,150 lb**

Operating weight:

Including Power Angle Tilt dozer, ROPS cab, operator, standard equipment, rated capacity of lubricant, hydraulic control unit, coolant, and full fuel tank.

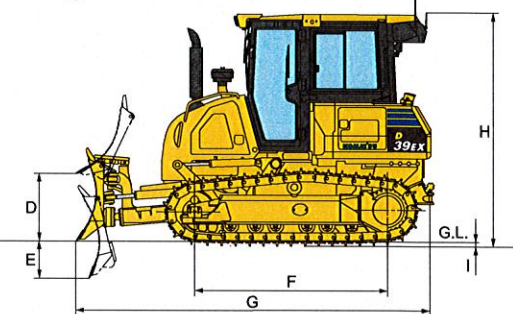
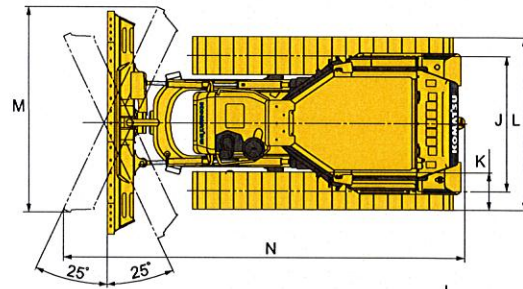
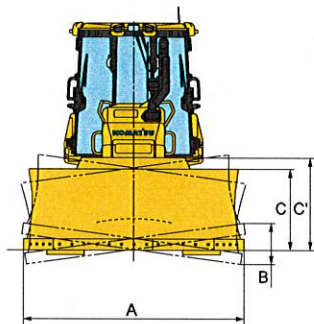
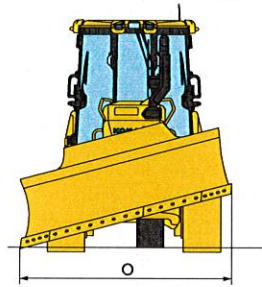
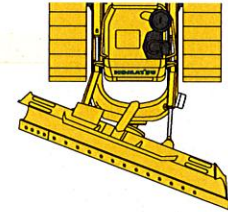
D39EX-24.....9930 kg **21,891 lb**
 D39PX-24.....10350 kg **22,817 lb** ✓



DIMENSIONS

	D39EX-24	D39PX-24
A	2710 mm 8'11"	3250 mm 10'8"
B	365 mm 1'2"	440 mm 1'5"
C	980 mm 3'3"	910 mm 3'
C'	1120 mm 3'8"	1105 mm 3'7"
D	820 mm 2'8"	820 mm 2'8"
E	440 mm 1'5"	440 mm 1'5"
F	2345 mm 7'8"	2345 mm 7'8"
G	4385 mm 14'5"	4385 mm 14'5"
H	2850 mm 9'4"	2850 mm 9'4"
I	47 mm 1.9"	47 mm 1.9"
J	1620 mm 5'4"	1810 mm 5'11"
K	460 mm 1'6"	635 mm 2'1"
L	2080 mm 6'10"	2445 mm 8'2"
M	2495 mm 8'2"	2990 mm 9'10"
N	4910 mm 16'1"	5020 mm 16'6"
O	2475 mm 8'1"	2940 mm 9'8"

Ground clearance..... 390 mm **15"** ✓



HYDRAULIC SYSTEM

Closed-Center Load Sensing System (CLSS) designed for precise and responsive control, and for efficient simultaneous operation.

Hydraulic control unit:

All spool control valves externally mounted remote to the hydraulic tank. Piston-type hydraulic pump with capacity (discharge flow) of 99 ltr/min **26.2 U.S. gal/min** at rated engine rpm. ✓

Relief valve setting 27.4 MPa 280 kg/cm² **3,974 psi**
Hydraulic cylinders..... Double-acting, piston type

	Number of cylinders	Bore
Blade lift	2	75 mm 3"
Blade tilt	1	90 mm 3.5"
Blade angle	2	80 mm 3.2"

Hydraulic oil capacity (refill):

Power angle tilt dozer 64 ltr **17 U.S. gal**

Control valves:

3-spool control valve for Power Angle Tilt dozer

Positions:

Blade lift Raise, hold, lower, and float

Blade tilt Right, hold, and left

Blade angle Right, hold, and left

Additional control valve required for ripper

Positions:

Ripper lift Raise, hold, and lower



DOZER EQUIPMENT

	Overall Length With Dozer* mm ft.in	Blade Capacity m ³ yd ³	Blade Width x Height mm ft.in	Max. Lift Above Ground mm ft.in	Max. Drop Below Ground mm ft.in	Max. Tilt Adjustment mm ft.in	Blade Angle
D39EX-24	4385 mm	2.21 m ³	2710 mm x 980 mm	820 mm	440 mm	365 mm	25°
Standard Blade	14'5"	2.89 yd³	8'11" x 3'3"	2'8"	1'5"	1'3"	
D39PX-24	4385 mm	2.40 m ³	3250 mm x 910 mm	820 mm	440 mm	440 mm	25°
Standard Blade	14'5"	3.14 yd³	10'8" x 3'	2'8"	1'5"	1'5"	
D39PX-24	4385 mm	2.22 m ³	2980 mm x 910 mm	820 mm	440 mm	405 mm	25°
Narrow Blade	14'5"	2.90 yd³	9'9" x 3'	2'8"	1'5"	1'4"	

Blade capacities are based on the recommended practice ISO 9246. Use of high-tensile-strength steel in moldboard for strengthened blade construction.

* Including hitch



STANDARD EQUIPMENT FOR BASE MACHINE*

- Accumulator for Electric Proportional Control (EPC)
- Air cleaner, dry, double element type with caution lamp on monitor
- Air conditioner (A/C)
- Air inlet
- Alternator, 24 V/85 A ✓
- Back-up alarm
- Batteries, large capacity 24 V/92 Ah
- Cab accessories
 - 12 V x 2 power supply
 - Cup holder
 - Rear view mirror
 - Rear view monitor system ✓
 - Bluetooth/USB compatible radio with remote AUX plug (3.5 mm)
- Crankcase guard and underguard ✓
- Decelerator/brake pedal (Single pedal)
- Electronically controlled Hydrostatic Transmission (HST) with quick-shift and variable speed settings
- Electronic monitor panel with on-board diagnostics
- Engine hood and side panels
- Engine, KOMATSU SAA4D95LE-7, gross output of 80 kW **107 HP**, direct injection, water-cooled turbocharged, air-to-air aftercooler, cooled EGR, EPA Tier 4 Final and EU Stage 4 emissions certified
- Fan, hydraulic driven, electronic control
- Filler cap locks and cover locks
- Foot rest, high mounted
- Fuel pre-filter (10 micron) and fuel filter (2 micron)
- Grease gun holder
- High altitude arrangement (No fuel adjustment up to 2300 m)
- Horn
- Hydraulics for PAT dozer
- Intake pipe with precleaner
- Large high-resolution LCD LED worklights
- Lunch box holder
- Marks and plates, English
- New Operator Identification System
- Palm Command Control System (PCCS) with electronic control for travel control
- Palm Command Control System (PCCS) with EPC for blade control
- Power turn with counter rotation
- Pullhook, front ✓
- Radiator guard grid ✓
- Radiator reserve tank
- Real-time DEF monitoring
- Rear-hinged radiator guard
- Reverse travel speed presets

- ROPS cab
- Meets ISO 3471, SAE J/ISO 3471 ROPS standards, and ISO 3449 FOPS standard.
- Seat belt, 76 mm **3"** retractable
- Seat, air suspension, fabric, heated, low back, headrest
- Shovel holder
- Starting motor, 24 V/4.5 kW
- Self adjusting roller
- Sprockets, bolt-on
- Sprocket inner guard
- Track roller guards, end section
- Track shoe assembly (PLUS)
 - Sealed and lubricated
- D39EX-24: 510 mm **20"** single grouser shoe
- D39PX-24: 635 mm **25"** single grouser shoe
- Triple labyrinth final drive
- Water separator ✓

Dozer assembly and rear-mounted equipment are not included in base machine price.



OPTIONAL EQUIPMENT

- Dozer assembly
- Hitch
- Hydraulics for rear equipment
- Track roller guard, full length

Multi-shank ripper (for D39EX only)

Weight	470 kg 1,036 lb
Beam length	1569 mm 62"
Maximum lift above ground	389 mm 15"
Maximum digging depth	336 mm 13"
Number of shanks	3

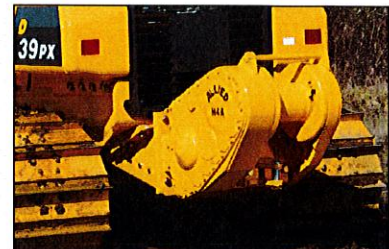
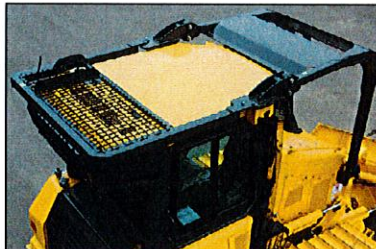
- 700 mm **27.5"** single grouser (PX)(PLUS)



ALLIED MANUFACTURER'S ATTACHMENTS (SHIPPED LOOSE)

- Guarding - Komatsu (Ken Garner)
 - Front sweeps 229 kg **584 lb**
 - Hinged cab side screens 44 kg **97 lb**
 - Hinged cab rear screen 43 kg **95 lb**
 - Rear A/C guard (requires front sweep) 61 kg **134 lb**
 - Poly panel door inserts 41 kg **91 lb**

- Hydraulic winch - Allied H4AT 685 kg **1,510 lb**



AESS901-03

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Note: All comparisons and claims of improved performance made herein are made with respect to the prior Komatsu model unless otherwise specifically stated.

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Extended Coverage Agreement

This _____ Extended Coverage Agreement is entered into as of the following date- _____
between _____, having an office at _____ ("Distributor"),
and _____, having an office at _____ ("Customer").

1. Coverage:

- a. Subject to the terms and conditions below, Distributor will provide parts, labor and other services required to correct failures to certain components ("Covered Items") on _____, _____ ("Machine") that occur as a result of a defect in material or workmanship. The repairs executed to correct these defects will return the Machine to its operating condition prior to the covered failure. Each claim occurrence is subject to a \$0 _____ Deductible.
- b. The Machine will be eligible for this coverage starting at _____ (MM/DD/YYYY) and expiring the earlier of the date when the Machine has accumulated _____ SMR hours or _____ MM/DD/YYYY. The phrase "SMR hours" represent the engine run time for the Machine and are measured using the hour meter or monitor panel installed in the Machine's operator cab.
- c. The Covered Items for this Machine are identified by a checkmark under the Coverage Type ("Coverage Type") column of attached Appendix 1.

2. Exclusions and Limitations:

The obligations of Distributor under this Agreement will not include:

a. Repairs or replacements of:

- i. Hose and tube flange o-rings and gaskets.
- ii. Hoses after the Machine has been in service for 24 months or 4000 SMR hours.
- iii. Hydraulic cylinder packing replacements after the Machine has been in service for 5,000 SMR hours.
- iv. Starters, alternators, thermostats, belt tensioners, injectors, turbochargers, DPF, HC and DEF dosing nozzles, and water pumps after the Machine has been in service for 5,000 SMR hours.
- v. Covered Items that are worn because of use. Examples of wear resulting from use would include, by way of example but not limitation, oil consumption and high blow-by pressure on engines, hydraulic cylinder seal leaks, wear of clutch or brake packs, pins or bushings, etc.
- vi. Machine parts that are not procured from or an authorized distributor.
- vii. Machine attachments, optional extras and other work equipment such as buckets, dump bodies, blades, and associated wear packages such as teeth, cutting edges, and liners.
- viii. Any Machine part or component not specifically included within the scope of the Coverage Type, unless otherwise noted.

b. Operating expenses on Covered Items required to keep the Machine in good operating condition and repair, including by way of example but not limitation:

- i. System adjustments.
- ii. Cleaning and calibration/re-calibration of intelligent Machine Control components (unless re-calibration is required due to the repair or replacement of a covered intelligent Machine Control component).
- iii. Hardware, Software, or Firmware updates.
- iv. Cosmetic damage that does not impact product functionality.
- v. Scheduled maintenance outlined in the Machine Operation and Maintenance Manual ("O&M Manual"), including the cost of periodic maintenance items such as filters, lubricants, brushes, grease, and A, B, C and D checks on engines.
- vi. Manufacturer oil wear analysis including the cost of drawing samples, oil, sampling accessories, postage and analysis report fees.

- vii. The cost of carrying out maintenance recommendations such as early re-sampling and/or replacement of oil or filters.
- viii. As needed maintenance items such as repairs or replacements of mounting hardware, including bolts, nuts, pins, bushings, and bearings, paint, windshield wiper blades, seat belt assemblies, air cleaners, belts, light bulbs, batteries, cables, fuses, tires, track link assemblies, track shoes, idlers, rollers, sprockets, rock guards and deflectors.
- ix. Cost of carrying out scheduled structural inspections that are required to maintain coverage for certain Covered Items for Frame and Boom & Arm Coverage Types. If you wish to perform these inspections yourself, please obtain a copy of the Distributor Inspection Worksheet from your local distributor.

c. Machine or Covered Item failures resulting from:

- i. Operating the Machine outside the guidelines specified in O&M Manual.
- ii. Operating the Machine outside of the parameters specified in the Machine specific Payload Policy or other notices or letters from Distributor or Manufacturer.
- iii. Noncompliance with the maintenance schedule and procedure outlined in the Machine's O&M manual.
- iv. Fuel, lubricant or coolant contamination from any source.
- v. Continuing to operate the machine when oil sample reports or monitor system panels show critical system errors, indicate that components are compromised by failures or are performing below specifications when the Distributor has requested that components be repaired or removed from the machine because of an impending failure, authorized field campaign or other good cause.
- vi. Improper Machine storage procedures.
- vii. Incomplete or faulty repair procedures on previous repairs completed by any person other than Distributor.
- viii. Improper Initialization procedures during Machine commissioning if the commissioning process was carried out by any person other than Distributor.
- ix. Machine attachments options, accessories, modifications, or work equipment not authorized in O&M Manual and other materials published by Manufacturer for distributors and customers or otherwise approved in writing and signed by an engineering officer of the Manufacturer.
- x. Work site hazards or falling objects.
- xi. Fire, accidents, vandalism, theft, acts of terrorism or war, acts of nature or other causes beyond the direct control of Distributor.
- xii. Misuse, misapplication, negligence or other misconduct on the part of Customer or any other person.

d. Customer may be responsible for paying for the following specific expenses related to repairs on Covered Items:

- i. Transporting the Machine to a Distributor facility for completion of a covered repair and transporting the Machine back to the Machine's work location after completion of the covered repair.
- ii. Overtime labor charges incurred at the request of Customer to complete repairs outside of the Distributor's normal working hours.
- iii. Additional services performed at the Customer's request outside the scope of the Coverage Time, including, by way of example but not limitation, replacing parts and components outside such scope during the course of performing a repair on a Covered Item.
- iv. Any deductible as noted in section 1 of this document.

3. Customer Responsibilities:

The obligations of Distributor under this Agreement are subject to and conditioned by the Customer's timely performance of the following, at their own expense:

- a. Operate, maintain, store, repair and otherwise use the Machine per the guidelines specified in the O&M Manual, Machine specific Payload Policy and all other notices or letters from Distributor or Manufacturer concerning such topics.
 - b. Maintain the Machine Monitoring Systems in good operating condition and repair.
 - c. Carry out structural inspections for Machines with Frame or Boom & Arm Coverage Types utilizing the Distributor Inspection Worksheets as follows:
 - For the first 10,000 SMR hours on the Machine, a structural inspection will be completed every 5,000 Machine SMR hours or every 12 months, whichever comes first;
 - After the first 10,000 SMR hours on the Machine, a structural inspection will be completed every 2000 Machine SMR hours or 12 months thereafter, whichever comes first.
 - d. Notify Distributor promptly in the event of failure of a Covered Item. In the event that the Machine is located outside of the Distributor territory at the time of a Covered Item failure, Customer can contact the local distributor to carry out the covered repair.
4. Distributor Responsibilities:
- a. Distributor will exercise commercially reasonable efforts to respond promptly to any Customer requests and questions related to this Agreement.
 - b. Distributor will carry out covered repairs during normal Distributor working hours.
5. Transferability:
This Agreement is specific to the Machine listed in Section 1. Customer may not assign its right under this Agreement without the prior written consent of Distributor (such consent not to be unreasonably withheld).
6. Limitation of Liability:
Except as expressly provided in this Agreement and in any written warranty certificate delivered by Distributor to Customer in connection with a purchase, Distributor does not make any representations or warranties, expressed, implied, arising by operation of law or otherwise, as to merchantability, fitness for a particular purpose, quality, design, condition, suitability, performance or any other matter or characteristic with respect to the Machine and any related attachments, options, accessories, modifications, or work equipment. For any failure within the scope of the Coverage Type, Customer agrees that its sole and exclusive remedy will be for Distributor to perform the required repair. Distributor will not be liable under any circumstance to Customer for, and Customer waives and releases Distributor from all claims and liabilities for, any general, special, incidental, punitive, consequential, exemplary or any other damages of whatever kind or nature suffered or incurred by consignee, directly or indirectly, actual or alleged, whether arising in tort or in contract or otherwise, related to or arising out of this Agreement and the Machines and any related attachments, options, accessories, modifications, or work equipment.

Agreed to by Customer and Distributor as of the Effective Date.

DISTRIBUTOR: By: _____ Name: _____ Title: _____	CUSTOMER: By: _____ Name: _____ Title: _____
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COVERED ITEMS

COVERED ITEMS	COVERED TYPES							FRAME INSPECTION
	PREMIER	PT Plus	PT	ENGINE	CYLINDER	FRAME	BOOM/ARM	
B) POWER TRANSMITTING SYSTEM								
• TRANSMISSION								
1. TRANSMISSION AND TORQUE CONVERTORS	✓	✓	✓					
2. TORQUE FLOW ASSEMBLY/POWER MODULE	✓	✓	✓					
3. HYDROSTATIC PUMPS AND MOTORS	✓	✓	✓					
4. CONTROL AND PPC VALVES	✓	✓	✓					
5. OIL COOLERS, TANKS, AND RESERVOIRS	✓	✓	✓					
6. OIL FILTER MOUNT	✓	✓	✓					
7. ELECTRONIC CONTROL MODULE	✓	✓	✓					
8. SENDERS, SOLENOIDS, AND SENSORS	✓	✓	✓					
9. STEERING AND TRANSFER CASES	✓	✓	✓					
10. DAMPER	✓	✓	✓					
11. SWING GEAR BOX	✓	✓	✓					
12. PIPES, TUBES, CLAMPS, AND HOSES*	✓	✓	✓					
• DRIVE LINE								
1. AXLES AND AXLE HOUSINGS	✓	✓	✓					
2. AXLE MOUNTING AND OSCILLATION	✓	✓	✓					
3. DIFFERENTIALS AND FINAL DRIVES	✓	✓	✓					
4. WHEEL/RIM	✓	✓	✓					
5. DRIVE SHAFT/AXLE SHAFT AND UNIVERSAL JOINTS	✓	✓	✓					
6. VALVES	✓	✓	✓					
7. PIPES, TUBES, CLAMPS, AND HOSES*	✓	✓	✓					
C) STEERING <i>(eligibility under the PT coverage type applies to Track machines only)</i>								
1. STEERING CLUTCH	✓	✓	✓					
2. STEERING CLUTCH & BRAKE CONTROL VALVE	✓	✓	✓					
3. STEERING PUMP AND EMERGENCY STEERING PUMP	✓	✓	✓					
4. STEERING OIL COOLER	✓	✓	✓					
5. STEERING VALVES	✓	✓	✓					
6. STEERING BOX	✓	✓	✓					
7. STEERING LINKAGE COLUMN, AND CONSOLE	✓	✓	✓					
8. TIE ROD	✓	✓	✓					
9. SENDERS, SOLENOIDS, AND SENSORS	✓	✓	✓					
10. PIPES, TUBES, CLAMPS, AND HOSES*	✓	✓	✓					
D) BRACING SYSTEM								
1. BRAKE PRIMARY & SECONDARY CYLINDERS	✓	✓	✓					
2. BRAKE PUMP AND EMERGENCY BRAKE PUMP	✓	✓	✓					
3. WET BRAKE ASSEMBLIES	✓	✓	✓					
4. BRAKE OIL COOLER ASSEMBLIES	✓	✓	✓					
5. BRAKE OIL COOLER FAN, PUMP, AND MOTOR	✓	✓	✓					
6. BRAKE CALIPER	✓	✓	✓					
7. ACCUMULATORS	✓	✓	✓					
8. TANKS & RESERVOIRS	✓	✓	✓					
9. ELECTRONIC CONTROL MODULES	✓	✓	✓					
10. SENDERS, SOLENOIDS, AND SENSORS	✓	✓	✓					
11. PIPES, TUBES, CLAMPS, VALVES AND HOSES*	✓	✓	✓					
E) COOLING SYSTEM								
1. RADIATOR	✓	✓	✓					
2. EXPANSION TANK	✓	✓	✓					
3. THERMOSTAT**	✓	✓	✓					
4. COOLING FAN, FAN DRIVE, AND SHROUDDING	✓	✓	✓					
5. WATER PUMP**	✓	✓	✓					
6. SENDERS, SOLENOIDS, AND SENSORS	✓	✓	✓					
7. PIPES, TUBES, CLAMPS, VALVES AND HOSES*	✓	✓	✓					

COVERED ITEMS	PREMIER	FT Plus	FT	COVERAGE TYPES				FRAME INSPECTION
				ENGINE	CYLINDER	FRAME	BOOM/ARM	
[E] HYDRAULIC SYSTEMS								
1. NON-PROPULSION HYDRAULIC PUMPS & MOTORS	✓	✓						
2. HYDRAULIC CYLINDERS	✓	✓		✓				
3. HYDRAULIC VALVE & CONTROLS	✓	✓						
4. ELECTRONIC CONTROL MODULES	✓	✓						
5. HYDRAULIC ACCUMULATORS	✓	✓						
6. HYDRAULIC OIL COOLERS AND COOLING FANS	✓	✓						
7. SWIVELS (ROTARY MANIFOLDS)	✓	✓						
8. SWING MOTOR	✓	✓						
9. HYDRAULIC OIL FILTER ASSEMBLY	✓	✓						
10. HYDRAULIC TANKS	✓	✓						
11. SENDERS, SOLENOIDS, AND SENSORS	✓	✓						
12. PIPES, TUBES, CLAMPS, VALVES AND HOSES*	✓	✓						
[G] SUSPENSION								
1. ELECTRONIC CONTROL MODULE	✓	✓						
2. SUSPENSION CYLINDERS AND CONTROL VALVES	✓	✓		✓				
3. SUSPENSION CONTROL ARM ASSEMBLIES	✓	✓						
4. SENDERS, SOLENOIDS, AND SENSORS	✓	✓						
5. PIPES, TUBES, CLAMPS, VALVES, AND HOSES*	✓	✓						
[H] ELECTRICAL SYSTEM								
1. GAUGES & INSTRUMENTS	✓	✓						
2. WIRING HARNESSES	✓	✓						
3. SWITCHES	✓	✓						
4. RELAYS & CIRCUIT BREAKERS	✓	✓						
5. START SWITCH	✓	✓						
6. FUSE / CIRCUIT BREAKER PANEL & CIRCUIT BOARD	✓	✓						
7. MONITOR PANELS	✓	✓						
8. KOMTRAX, WHIMS, AND PIM (PAYLOAD METER)	✓	✓						
9. ELECTRONIC CONTROLLERS	✓	✓						
10. AIR INTAKE HEATERS AND GLOW PLUGS	✓	✓						
11. SENDERS, SOLENOIDS, AND SENSORS	✓	✓						
[I] FRAMES, STRUCTURAL & LINKAGES								
1. BOOM/ARM	✓	✓					✓	✓
2. BELL CRANK AND Z BAR OR WHEEL LOADERS	✓	✓					✓	✓
3. CAR BODY	✓	✓					✓	✓
4. STEEL FRAME (FRONT, REAR, SUB) / REVOLVING FRAME	✓	✓					✓	✓
5. STEEL OF OUTRIGGER ON BACKHOE LOADERS	✓	✓					✓	✓
6. MOTOR GRADER CIRCLE	✓	✓					✓	✓
[J] UNDERCARRIAGE/GENERATED PARTS								
1. BOGIE ASSEMBLIES	✓	✓						
2. EQUALIZER BAR	✓	✓						
3. H.I.C. ASSEMBLIES	✓	✓						
4. PIVOT SHAFT ASSEMBLY	✓	✓						
5. RECOIL SPRINGS	✓	✓						
6. TRACK ADJUSTERS	✓	✓						
7. TRACK ROLLER FRAME	✓	✓						
[K] HYBRID SYSTEMS								
1. CAPACITOR/INVERTER	✓	✓		✓				
2. GENERATOR/MOTOR	✓	✓		✓				
3. HYBRID CONTROLLER	✓	✓		✓				
4. LUBRICATION PUMP	✓	✓		✓				
5. RADIATOR	✓	✓		✓				
6. SWING MOTOR	✓	✓		✓				
7. WATER PUMPS**	✓	✓		✓				
8. WIRING HARNESS	✓	✓		✓				
[L] INTELLIGENT MACHINE CONTROL SYSTEM								
1. GNSS AND GPS ANTENNA(S), GNSS RECEIVER/CONTROLLER, GNSS	✓	✓						
2. CONTROL BOX AND ICT CONTROLLER	✓	✓						
3. IB MONITOR	✓	✓						
4. SENSORS AND ENCODERS	✓	✓						

* Premier Coverage Type includes items in addition to the above list, and is subject only to the limitations listed in Section 2 of this agreement.
 ** Indicates coverage for 24mo/4000 hours



Company ID Number:571783

Client Company ID Number:1453697

Information Required for the E-Verify Program	
Information relating to your Company:	
Company Name	Tractor & Equipment Co Inc
Company Facility Address	5336 Messer Airport Highway Birmingham, AL 35212
Company Alternate Address	PO Box 12326 Birmingham, AL 35202
County or Parish	Jefferson
Employer Identification Number	63-0211767
North American Industry Classification Systems Code	Merchant Wholesalers, Durable Goods (423)
Parent Company	
Number of Employees	500 to 999
Number of Sites Verified for	22

INVITATION TO BID HEAVY EQUIPMENT

NOTICE OF BID OPENING

NOTICE IS HEREBY GIVEN that the Association of County Commissions of Alabama, which administers the Alabama County Joint Bid Program on behalf of Alabama's county governing bodies, shall receive and open bids for the purchase of zero (0) or more items of heavy road equipment at its office located at 2 North Jackson Street, Montgomery, Alabama, at **10:00 a.m. on Friday, October 7, 2022**. Bid specifications are available at <http://www.alabamacounties.org/heavy-equipment/> for each of the following items:

Backhoes	Ride-on Industrial Boom Mowers
Tractors	Asphalt Distributor Truck
Track Mount Excavators	Chip Spreader
Compact Track Mount Excavators	Rubber Tire Roller
Mini Track Excavator	7.5 Ton Single Drum Vibratory Roller
Wheeled Excavators	One-man Pothole Patchers
Highway Speed Truck Excavators	Trailer Mounted Patchers
Motor Graders	Trailer Mount Mastic Patcher/Crack Sealer
Heavy Duty Hydrostatic Bulldozers	Half Round End Dump Trailer
Mulching Dozer	Lowboy Trailers
Wheel Loaders	Road Wideners and Attachments
Heavy Duty Dump Chassis	16' Steel Dump Bodies (Automatic and Manual)
Lowboy Tractors	
Skid Steer Loader w/no Attachments	
Skid Steer Attachments	

Time is of the essence in submitting bids and only bids received in the Association office by 10:00 a.m. Central Time on Friday, October 7, 2022 will be opened and considered. Bidders and any other interested individuals are invited to attend the bid opening.

NOTICE OF BID OPENING PROCEDURES

All bids for **Heavy Equipment** will be opened and the name(s) of the bidders read aloud on the morning of the bid opening on Friday, **October 7, 2022 at 10:00 a.m.** at 2 North Jackson Street, Montgomery, AL. The specifics of each bid submitted will be compiled by the Association staff thereafter and will be available, **upon written or emailed request**, one week after the bid opening. Requests should be emailed to jointbid@alabamacounties.org.

THE INVITATION PACKAGE

The invitation package for each item to be bid includes: this invitation to bid, the written bid specifications for the particular item of heavy road equipment, and a Bid Submittal Form to be used in submitting a bid for that particular item. Bidders should verify that they have received all pages of the invitation package. If there are any omissions, the bidder should contact **Kenya Howard** in the Association office by mail, fax, or e-mail (jointbid@alabamacounties.org) to request missing pages. It is the responsibility of the bidder to make this request in sufficient time to prepare and submit the bid in time for the bid opening. Bidders should carefully read and comply with all parts of the invitation package, including all attachments and/or any addendum.

PREPARING AND SUBMITTING BIDS

All bids must be typed or hand written in ink on the attached Bid Submittal Form. **The completed Bid Submittal Form shall be placed in front of and separated from all other documents included in the bid packet, such that it will be the first document viewed upon opening the bid packet.**

Bids submitted in pencil and bids not submitted on the Bid Submittal Form will **not** be considered. All bids shall include a current catalog or model specification document for the equipment model number being offered for consideration. Bids submitted without such documentation will **not** be considered. Only information contained on the attached Bid Submittal Form and in the model specification document will be considered in evaluating bids.

Each separate requirement in the bid specification includes a block for indicating whether or not the item bid meets the specification. The bidder shall indicate compliance with each requirement by checking "Yes" or "No" in the block to the right of each bid specification. In addition, the bidder shall indicate the page number in the supplied manufacturer's equipment literature on which compliance with the specification can be verified. Failure to complete this portion of the bid form may result in the subject bid not being considered.

Each bid for one of the heavy equipment items included in the bid package must be submitted on the Bid Submittal Form for that item and forwarded in a separate envelope with the bid item and item number clearly identified on the outside of the envelope. Envelopes containing a "no bid" shall also include the words "NO BID" on the outside of the envelope. Facsimiles and e-mails will not be accepted. Bids submitted by "Express/Overnight" services must be in a separate inner envelope or package sealed and identified as stated above. All bids must be received in the Association office prior to the bid opening. Bids received after the deadline will be returned unopened.

The County Joint Bid Program reserves the right to require a performance bond from successful bidders as permitted under Alabama law. However, **no bid bond is required for this bid offering.**

All bids should be mailed or hand-delivered to:

**ATTN: Joint Bid Program
Association of County Commissions of Alabama
2 North Jackson Street, FL 7, Montgomery, Alabama 36104 (Physical Address)
P.O. Box 5040, Montgomery, Alabama 36103 (Mailing Address)**

BID SPECIFICATIONS

Please note that each piece of heavy equipment available for bid may include several different sizes and categories of machines. You should read each set of specifications very carefully as the differences vary depending upon the piece and size of equipment.

The award will be based on the total cost of the **Standard Machine** bid by the lowest responsible bidder. Each Bid shall include a **Manufacturer's Suggested Retail Price Sheet (MSRP)** for each machine bid. The percent difference between the Manufacturer's Suggested Retail Price (MSRP) for the standard machine as specified by these bid specifications and the actual price bid by the vendor will be calculated and that percentage discount shall be applied to any options an individual county may choose to add to the machine.

Once the bids have been awarded, any county participant purchasing under this program may, at its discretion, add any of the vendor's available options at the same discount off the Manufacturer's Suggested Retail Price Sheet as was applied to the Standard Machine Price Bid.

Any use of specific names and/or model numbers in the attached specifications is not intended to restrict the bidder or any seller or manufacturer, but is included solely for the purpose of indicating the type, size, and quality of materials, product services, or equipment considered best adapted to the use of the counties participating in the joint bid program.

ACQUISITION AND FINANCING OPTIONS

The awarded Vendor will provide the equipment, including any options required by the purchaser, at the awarded price as contracted through the Joint Bid Program. The purchaser may secure its own financing to acquire the equipment or execute any financial options available under Alabama law with the awarded Vendor in order to acquire the equipment.

BIDDER QUALIFICATIONS

All bidders and all program participants must be in compliance with any applicable federal, state, county and municipal laws, regulations, resolutions and ordinances, including but not limited to, licensing, permitting, and taxation requirements. All bidders should be prepared to submit evidence or documentation as proof that they are properly licensed and permitted under any applicable laws upon request. Such evidence or documentation may be submitted with the bid. Additionally, all bidders shall provide proof that they are in compliance with the e-verify requirements of Alabama's Immigration Law (Ala. Code § 31-13-1 et seq., as amended by Act No. 2012-491).

BID AWARD

The Houston County Commission will serve as the awarding authority for all bids and will award all contracts at a regular meeting of the Houston County Commission. Any and all bids submitted in compliance with this invitation to bid shall be considered, and award will be made to the lowest responsible bidder meeting bid specifications as determined by the awarding authority in compliance with Alabama law. All bids will be reviewed and evaluated by a committee created for that purpose, which committee will make comments and recommendations to the awarding authority regarding the award. All factors contained in each invitation package will be evaluated in determining the successful bidder, and any omissions of the stated requirements may be cause for rejection of the bid submitted. The awarding authority reserves the

right to reject any and all bids, to waive any informality in bids, and to accept in whole or in part such bid or bids solely at its discretion.

The contract period will be one year with an option to renew for a second and third year under identical price, terms, and conditions upon the mutual consent of the vendor and the awarding authority. Any renewal contract shall be approved in writing by the vendor and the awarding authority no later than 90 days prior to the expiration of the existing contract.

CONTACT REGARDING BIDS AND INVITATION

Contact initiated by a potential bidder with any county official, county employee, or member of the Association staff shall only be as specifically set out in this Invitation to Bid. Any questions related to the bid or the County Joint Bid Program shall be directed to Association staff in writing under the procedures set out in this Invitation to Bid. Additionally, a bidder may contact the Association in writing to request an appointment to review bid specifications following the bid opening. **However, there shall be no communication with any county official or county employee regarding this bid between the date of this invitation and the date of bid award.** Any contact other than as set out here shall be deemed as an attempt to unduly influence the bid award, and shall be grounds for rejection of the bid submitted by the bidder initiating such other contact.

Any questions or problems related to downloading or obtaining copies of this Invitation to Bid should be directed to **Kenya Howard** at jointbid@alabamacounties.org or **334-263-7594**.

Any other questions or requests for additional information regarding this invitation or the bid specifications shall be submitted **in writing** no later than five (5) days prior to bid opening to:

**ATTN: Patrick McDougald
Association of County Commissions of Alabama
P.O. Box 5040
Montgomery, Alabama 36104**

OR

**Patrick McDougald
E-mail: barbeng@bellsouth.net**