



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Solicitation

NUMBER
 DEFK13022

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
 TARA LYLE
 304-558-2544

VENDOR

*130144526 304-548-7183
 ROPE INCORPORATED
 PO BOX 99
 5522 ELK RIVER RD N
 FALLING ROCK WV 25079

SHIP TO

DIV ENGINEERING & FACILITIES
 ARMORY BOARD SECTION
 1707 COONSKIN DRIVE
 CHARLESTON, WV
 25311-1099 304-341-6368

DATE PRINTED
 06/06/2013

BID OPENING DATE: 06/25/2013 BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, WV DIVISION OF ENGINEERING AND FACILITIES, IS SOLICITING BIDS TO PROVIDE (5) FIVE SUB-COMPACT DIESEL TRACTORS WITH (5) FIVE MID-MOUNT MOWER AND (5) FIVE SNOW DOZER BLADE, OR EQUAL PER THE ATTACHED SPECIFICATIONS. ATTACHMENTS INCLUDE: 1. INSTRUCTIONS TO VENDORS SUBMITTING BIDS 2. GENERAL TERMS AND CONDITIONS 3. DEFK13022 SPECIFICATIONS 4. CERTIFICATION AND SIGNATURE PAGE 5. PURCHASING AFFIDAVIT 6. RESIDENT VENDOR PREFERENCE (RVP) FORM						
0001	5	EA	765-87	SUB-COMPACT DIESEL TRACTOR	\$9,495.00	\$47,475.00
0002	5	EA	020-68	MID-MOUNT MOWER	\$1,659.00	\$8,295.00

06/25/13 12:57:00 PM
 West Virginia Purchasing Division

~~\$ 2,423.00 \$ 12,015.00~~ *JH*

SIGNATURE *Joe Hoover* TELEPHONE 304-548-6701 DATE 6/24/13
 TITLE Sales Coordinator FEIN 55-0704007 ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0003	5	EA		968-72	\$2,003.00	\$10,015. ⁰⁰
***** THIS IS THE END OF RFQ DEFK13022 ***** TOTAL:						\$65,785. ⁰⁰
LITERATURE ATTACHED 6 PAGES						

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

REQUEST FOR QUOTATION
DEFK13022 – (5) Sub-Compact Diesel Tractors & Attachments

SPECIFICATIONS

1. **PURPOSE AND SCOPE:** The West Virginia Purchasing Division is soliciting bids on behalf of the West Virginia Army Reserve National Guard's Division of Engineering & Facilities to establish a contract for the one time purchase of 5 (five) Sub-compact tractors, with 60" Mower Decks (mid mount) and 60" Snow Dozer Blade (front mount).
2. **DEFINITIONS:** The terms listed below shall have the meanings assigned to them below. Additional definitions can be found in section 2 of the General Terms and Conditions.
 - 2.1 "Contract Item" means sub-compact diesel tractor, mower deck, and snow dozer blade
 - 2.2 "Bid Evaluation Page" means the page upon which Vendor should list its proposed price for the Contract Items in the manner requested by thereon. The Contract Item is either included on the last page of this RFQ or attached hereto as Exhibit A.
 - 2.3 "RFQ" means the official RFQ published by the Purchasing Division and identified as DEFK13022.

3. **GENERAL REQUIREMENTS:**

- 3.1 **Mandatory Contract Item Requirements:** Contract Item must meet or exceed the mandatory requirements listed below.

3.1.1 **Contract Item #1 Sub-Compact Diesel Tractor**

- 3.1.1.1 Must be equal to 2013 or newer Yanmar Model Sc2400 Sub-Compact Tractor. If bidding an alternate sub-compact tractor, Vendor must clearly identify alternate tractor and provide manufacturer's specifications, industry literature, and/or any other relevant documentation that demonstrates the alternate tractor meets the following mandatory specifications.
- ALL YANMAR SC2400
UNITS HAVE A CAST
IRON REAR END -
ALL OTHER BRANDS
HAVE AN ALUMINUM
OR ALUMINUM ALLOY

- 3.1.1.2 24 HP Diesel minimum / max 30 HP Diesel Engine
- 3.1.1.3 PTO HP (Hyd) 16.5
- 3.1.1.4 Number of Cylinders (3)
- 3.1.1.5 Bore and Stroke (72 x 74 mm)
- 3.1.1.6 Total Displacement (55.1 cu. In)
- 3.1.1.7 Ignition Type (Indirect Injection)
- 3.1.1.8 Lubrication (Full Pressure)
- 3.1.1.9 Oil Filter (Spin on / Full Flow).
- 3.1.1.10 Air Cleaner (4" Single Ply)
- 3.1.1.11 Preheat System (Glow Plug)

REQUEST FOR QUOTATION
DEFK13022 – (5) Sub-Compact Diesel Tractors & Attachments

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- 3.1.1.12 Alternator (40 amp)
- 3.1.1.13 Fuel Tank (5.8 Gallon)
- 3.1.1.14 Control valve (4 way up, down right and left angle)
- 3.1.1.15 Cooling System (3.4 Quart)
- 3.1.1.16 Engine oil (2.5 Quart)
- 3.1.1.17 Transmission Type (Hydrostatic)
- 3.1.1.18 Number of ranges (2 shift on the go)
- 3.1.1.19 4WD Operations (2WD & 4WD Selectable)
- 3.1.1.20 Cruise control (Selectable)
- 3.1.1.21 Rear Differential Lock (Foot Pedal Operation)
- 3.1.1.22 PTO Type (Independent)
- 3.1.1.23 Brake (Wet Disc)
- 3.1.1.24 Pump (Gear/ Trochoid)
- 3.1.1.25 Steering/SCV/3-Pt hitch
- 3.1.1.26 Transmission/hydraulic PTO
- 3.1.1.27 3- Point Hitch (Limited Category 1)
- 3.1.1.28 3-Point Lift Capacity at 24" behind (661 lbs)
- 3.1.1.29 Wheelbase (55.1 ")
- 3.1.1.30 Width (44.5" w/R4)
- 3.1.1.31 Overall length w/o 3-pt hitch (95.5 ")
- 3.1.1.32 Ground Clearance (7.5" w/R4)
- 3.1.1.33 Weight w/ROPS & Fluids(1,280 lbs)
- 3.1.1.34 Tire Size Front Industrial/Bar/Turf (18" x8.5" -10)
- 3.1.1.35 Tire Size Rear Industrial/Bar/Turf (26" x 12.0" -12)
- 3.1.1.36 Warranty Residential/Commercial (Tractor 2 Year or 2,000-hour limited. Engine/Drivetrain 3 year or 2,000 hour limited warranty)

3.1.2 Contract Item #2 MID- MOUNT MOWER

- 3.1.2.1 Type (Side Discharge)
- 3.1.2.2 Mounting method (Suspended linkage)
- 3.1.2.3 Lift linkage type (Parallel Suspended)
- 3.1.2.4 Transport Height (6")
- 3.1.2.5 Number of Blades (3)
- 3.1.2.6 Cutting Width (60")
- 3.1.2.7 Cutting Height (1 " – 4")
- 3.1.2.8 Height Adjustment Increment (Ground contouring gauge wheels)
- 3.1.2.9 Deck Thickness (11 gauge reinforced edge)

3.1.3 Contract Item #3 SNOW DOZER BLADE

- 3.1.3.1 Cutting Depth (5 ")
- 3.1.3.2 Reversible Cutting Edge (Standard)
- 3.1.3.3 Cutting Thickness (0.25")
- 3.1.3.4 Adjustable Skid Shoes (Standard)
- 3.1.3.5 Cutting Width Straight (60")
- 3.1.3.6 Angle Range (30 degrees)
- 3.1.3.7 Cutting Width at 30 degree angle (51")
- 3.1.3.8 Hydraulic Angle (Standard)
- 3.1.3.9 Cutting Edge Height (3")
- 3.1.3.10 Ramp Angle (15 Degrees)
- 3.1.3.11 Blade Lift Height (11")
- 3.1.3.12 Overall Blade Height (19.5")
- 3.1.3.13 Trip Springs (Dual)
- 3.1.3.14 Front Hitch(Quick Attach Required)
- 3.1.3.15 Mold Board (Heavy Duty)

4. CONTRACT AWARD

4.1 Contract Award: The Contract is intended to provide Agencies with a purchase price for the Contract Items. The Contract shall be awarded to the Vendor that provides the Contract Items meeting the required specifications for the lowest overall total cost as shown on the Pricing Pages.

4.2 Bid Evaluation Page: Vendor should complete the Bid Evaluation Page by entering the unit price of each contract item in the unit price column and extending the line item price to reflect the quantity times the unit price. The line item prices should be totaled and entered in the total bid price space at the bottom of the bid schedule. Vendor should then complete all the vendor information sections and then sign and date the bid evaluation page. Vendor should complete the Bid Evaluation Page in full as failure to complete the Bid Evaluation Page in its entirety may result in Vendor's bid being disqualified.

Notwithstanding the foregoing, the Purchasing Division may correct errors as it deems appropriate. Vendor should type or electronically enter the information into the Bid Evaluation Page to prevent errors in the evaluation.

5. PAYMENT:

5.1 Payment: Vendor shall accept payment in accordance with the payment procedures of the State of West Virginia. Methods of acceptable payment must include the West Virginia Purchasing Card. Payment in advance is not permitted under this Contract.

6. DELIVERY AND RETURN:

- 6.1 Shipment and Delivery:** Vendor shall ship the Contract Items immediately after being awarded this Contract and receiving a purchase order or notice to proceed. Vendor shall deliver the Contract Items within 30 working days after receiving a purchase order or notice to proceed. Contract Items must be delivered to Agency at:

West Virginia Army National Guard
Div. Engineering & Facilities
Attn: Tim Hersman
1707 Coonskin Drive
Charleston, WV 25311

- 6.2 Late Delivery:** The Agency placing the order under this Contract must be notified in writing if the shipment of the Contract Items will be delayed for any reason. Any delay in delivery that could cause harm to an Agency will be grounds for cancellation of the Contract, and/or obtaining the Contract Items from a third party.


Any Agency seeking to obtain the Contract Items from a third party under this provision must first obtain approval of the Purchasing Division.

- 6.3 Delivery Payment/Risk of Loss:** Vendor shall deliver the Contract Items F.O.B. destination to the Agency's location.
- 6.4 Return of Unacceptable Items:** If the Agency deems the Contract Items to be unacceptable, the Contract Items shall be returned to Vendor at Vendor's expense and with no restocking charge. Vendor shall either make arrangements for the return within five (5) days of being notified that items are unacceptable, or permit the Agency to arrange for the return and reimburse Agency for delivery expenses. If the original packaging cannot be utilized for the return, Vendor will supply the Agency with appropriate return packaging upon request. All returns of unacceptable items shall be F.O.B. the Agency's location. The returned product shall either be replaced, or the Agency shall receive a full credit or refund for the purchase price, at the Agency's discretion.
- 6.5 Return Due to Agency Error:** Items ordered in error by the Agency will be returned for credit within 30 days of receipt, F.O.B. Vendor's location. Vendor shall not charge a restocking fee if returned products are in a resalable condition. Items shall be deemed to be in a resalable condition if they are unused and in the original packaging. Any restocking fee for items not in a resalable condition shall be the lower of the Vendor's customary restocking fee or 5% of the total invoiced value of the returned items.

EXHIBIT A

DEFK13022 - WVANG SUB-COMPACT DIESEL TRACTORS & ACCESSORIES

PRICING PAGE

CONTRACT ITEM NO.	DESCRIPTION	QTY	UNIT PRICE	TOTAL
Item No. 3.1.1	Sub-Compact Diesel Tractor	5	\$ 9,495.00	\$ 47,475.00
	Manufacturer Bid: YANMAR			
	Model No. Bid: SC2400F			
	CST IRON REAR END IS A STANDARD FEATURE			
Item No. 3.1.2	Mid-Mount Mower	5	\$ 1,659.00	\$ 8,295.00
	Manufacturer Bid: YANMAR			
	Model No. Bid: MM60RSE			
Item No. 3.1.3	Snow Dozer Blade	5	\$ 2,003.00	\$ 10,015.00
	Manufacturer Bid: YANMAR			
	Model No. Bid: FB60			
	INCLUDES: SCV100 CONTROL VALVE			
	FH100 FRONT HITCH			
	Unit prices to be inclusive of all freight/delivery costs Failure to use this form may result in disqualification		TOTAL COST:	\$ 65,785.00
Bidder / Vendor Information:				
Name: ROPE, INC.				
Address: P.O. Box 99 FALLING ROCK, WV 25079				
PHYSICAL - 5522 ELK RIVER ROAD, ELKVIEW, WV 25071				
Phone: 304-548-6701				
Fax: 304-548-7186				
E-mail Address: joe@ropeincorporated.com				
Authorized Signature: 				Date: 6/24/13

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DEFK13022

CERTIFICATION AND SIGNATURE PAGE

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

ROPE, INC.
(Company)

Joe Hoover
(Authorized Signature)

JOE HOOVER - SALES COORDINATOR
(Representative Name, Title)

304-548-6701 304-548-7186
(Phone Number) (Fax Number)

6/24/13
(Date)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: ROPE, INC.

Authorized Signature: [Signature] Date: 6/24/13

State of West Virginia

County of Kanawha, to-wit:

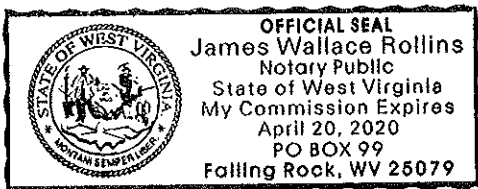
Taken, subscribed, and sworn to before me this 24 day of June, 2013.

My Commission expires 4-20, 2020.

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature]
Purchasing Affidavit (Revised 07/01/2012)



VENDOR PREFERENCE CERTIFICATE

DEFK13022

Certification and application* is hereby made for Preference in accordance with West Virginia Code, §5A-3-37. (Does not apply to construction contracts). West Virginia Code, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the West Virginia Code. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1. Application is made for 2.5% resident vendor preference for the reason checked:

- Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or, Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,

2. Application is made for 2.5% resident vendor preference for the reason checked:

- Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

3. Application is made for 2.5% resident vendor preference for the reason checked:

- Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

4. Application is made for 5% resident vendor preference for the reason checked:

- Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,

5. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:

- Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,

6. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:

- Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

7. Application is made for preference as a non-resident small, women- and minority-owned business, in accordance with West Virginia Code §5A-3-59 and West Virginia Code of State Rules.

- Bidder has been or expects to be approved prior to contract award by the Purchasing Division as a certified small, women- and minority-owned business.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: ROPE, INC.

Signed: Joe Hoover

Date: 6/24/13

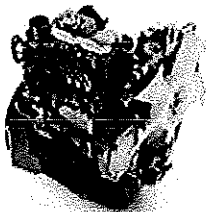
Title: SALES COORDINATOR



Heavy on performance. Light on compromise.

Because the engine, transmission, hydraulics and injectors are all manufactured and perfectly matched by Yanmar, the Sc2400 delivers the power you'd expect from a much larger tractor. With Shift-On-The-Go® technology, selectable 4WD and 3-point hitch position control, the Sc2400 might be the smallest tractor we make, but there's Yanmar quality packed into every inch.

INNOVATIVE FEATURES



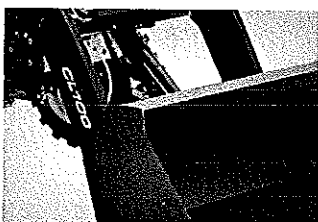
24-HP* INDIRECT-INJECTION DIESEL ENGINE

This high-performance, 3-cylinder, liquid-cooled diesel engine runs cleaner and more efficiently. The advanced combustion chamber design allows for better fuel atomization and a longer stroke for better torque reserve. Which adds up to one powerful experience.



2-RANGE SHIFT-ON-THE-GO®

A Yanmar exclusive, you'll be able to shift between the high and low range without stopping or disengaging cruise control. This is perfect when using the loader, tiller or grading equipment. Shifting that's easier on the engine and safer to operate allows you to focus on the job you set out to do.



DUAL HYDRAULIC PUMPS

Separate hydraulic pumps deliver a more efficient flow of hydraulic fluid for a smooth response without compromising horsepower. Whether you're using the curved boom loader or accelerating through rough terrain with power steering, you'll have the power you need to handle demanding jobs with ease.

Sc2400

SUB-COMPACT TRACTOR

FEATURES

PERFORMANCE
LINK TECHNOLOGY™

5-YEAR LIMITED
POWERTRAIN
WARRANTY†

SELECTABLE 4WD WITH
DIFFERENTIAL LOCK

3-POINT HITCH
POSITION CONTROL

HYDRAULIC
POWER STEERING

CRUISE CONTROL

ELECTRO-HYDRAULIC PTO

REVERSE-OVERRIDE
SWITCH FOR SAFE
PTO OPERATION

ONE-PIECE HOOD
FOR EASE OF
MAINTENANCE

LOW-MOUNTED FUEL
TANK FOR EASY FILL

12-VOLT DC OUTLET

REVERSE-MOUNTED
ENGINE

ILLUMINATED DASH

WIDE OPERATOR'S
STATION

CELL PHONE POCKET
AND CUP HOLDER

*As rated by engine manufacturer
†See Yanmar Independent
Dealer for warranty information

Sc2400 Tractor Specifications

POWERTRAIN

Gross HP	24 HP (17.9 kW)* diesel
PTO HP (Hyd)	16.5 (12.3 kW) at 3,200 RPM
Rated RPM	3,200 RPM
Number of cylinders	3
Bore and stroke	72 x 74 mm
Total displacement	55.1 cu. in. (0.90 l)
Ignition type	Indirect injection
Lubrication	Full pressure
Oil filter	Spin-on/full flow
Cooling system	Liquid cooled
Air cleaner	4" single dry (10.2 cm)
Preheat system	Glow plug
Alternator	40 amp.
Exhaust	Right side pointing down

CAPACITIES

Fuel tank	5.8 gal. (21.9 l)
Cooling system	3.4 qt. (3.2 l)
Engine oil	2.5 qt. (2.4 l)
Transmission case	2.0 gal. (7.6 l)

DRIVETRAIN

Transmission type	Hydrostatic
Number of ranges	2 Shift-On-The-Go®
4WD operations	2WD & 4WD selectable
Cruise control	Selectable
Rear differential lock	Foot pedal operation
PTO type	Independent
Mid PTO/RPM (standard)	2,100/3,338
Rear PTO/RPM (standard)	540/3,111
Brake	Wet disc

MAXIMUM TRAVELING SPEED

Forward low	6.0 mph (9.7 km/h)
Forward high	9.3 mph (15 km/h)
Reverse low	3.6 mph (5.8 km/h)
Reverse high	5.6 mph (9 km/h)

HYDRAULICS

Type	Open center
Pump	Gear/Trochoid
Steering/SCV/3-pt hitch	3.5 GPM (13.2 l/min) at 3,200 RPM
Transmission/hydraulic PTO	3.4 GPM (13 l/min) at 3,200 RPM
Maximum pump capacity	6.9 GPM (26.12 l/min) at 3,200 RPM
3-point hitch	Limited Category I
3-point lift capacity at 24" behind	661 lbs. (299.8 kg)
Hydraulic control system	Position control

DIMENSIONS

Wheelbase	55.1" (140 cm)
Width	44.5" (113 cm) (w/R4)
Overall length w/3-pt hitch	95.5" (242.6 cm)
Ground clearance	7.5" (19 cm) (w/R4)
Weight w/ROPS & fluids	1,280 lbs. (580.6 kg)

TIRE SIZE

Front industrial/bar/turf	18" x 8.5" - 10" (45.7 cm x 21.6 cm - 25.4 cm)
Rear industrial/bar/turf	26" x 12.0" - 12" (66 cm x 30.5 cm - 30.5 cm)

RESIDENTIAL/COMMERCIAL WARRANTY†

Tractor	2-year or 2,000-hour limited warranty
Engine/drivetrain	5-year or 2,500-hour limited warranty

Sc2400 Attachment Specifications

CL100 CURVED BOOM LOADER

Maximum lift height at pivot point	71" (180.3 cm)
Dump clearance	54" (137.2 cm)
Reach at maximum height	27" (68.6 cm)
Maximum dump angle	45°
Reach w/bucket on ground	40" (101.6 cm)
Maximum rollback angle	25°
Digging depth	4" (10.2 cm)
Overall height in carry position	37" (94 cm)
Length of attachment (bucket bottom)	19.25" (48.9 cm)
Maximum lift height under bucket	66" (167.6 cm)
Bucket width/weight	48"/125 lbs. (121.9 cm/56.7 kg)
Bucket capacity	5 cu. ft. (141 l)
Lift capacity 500 mm forward of the pivot pins, maximum height	550 lbs. (249.5 kg)
Lift capacity at pivot pins, maximum height	700 lbs. (317.5 kg)
Breakout force at bucket pins	1,350 lbs. (612.3 kg)
Breakout force 500 mm forward of the pivot pins	1,050 lbs. (476.3 kg)
Raising time to full height w/o load	3.5 sec.
Lowering time w/o load (power down)	2.5 sec.
Attachment rollback time	2 sec.
Attachment dumping time	1.5 sec.
Rated flow	3.5 GPM (13.3 l/min)
Relief valve	1,813 PSI (127.5 kgf/cm²)

MM60RSe MID-MOUNT MOWER

Type	Side discharge
Mounting method	Suspended linkage
Lift linkage type	Parallel suspended
Transport height	6" (15.2 cm)
Number of blades	3
Cutting width	60" (152.4 cm)
Cutting height	1" - 4" (2.5 cm - 10.2 cm)
Height adjustment increment	Ground-contouring gauge wheels
Deck thickness	11-gauge reinforced edge

RESIDENTIAL/COMMERCIAL WARRANTY†

Attachments	1-year limited warranty
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* As rated by engine manufacturer

† 3-point hitch is optional

‡ See your local Yanmar Independent Dealer for warranty details

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YANMAR

Sc2400

SUB-COMPACT
TRACTOR



BEYOND THE EXPECTED.™



FEATURES

.....
SELECTABLE 4WD
.....

3-POINT HITCH
POSITION CONTROL
.....

FULLY HYDRAULIC
POWER STEERING
.....

CRUISE CONTROL
.....

ELECTROHYDRAULIC
PTO
.....

REVERSE OVERRIDE
SWITCH FOR SAFE
PTO OPERATION
.....

ONE-PIECE OPEN
HOOD FOR EASE OF
MAINTENANCE
.....

LOW-MOUNTED FUEL
TANK FOR EASY FILL
.....

12-VOLT DC OUTLET
.....

DIFFERENTIAL LOCK
.....

ILLUMINATED DASH
.....

CELL PHONE POCKET
AND CUP HOLDER
.....

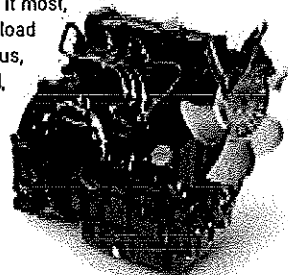
2-YEAR (TRACTOR)
AND 3-YEAR (ENGINE/
DRIVETRAIN) LIMITED
WARRANTY†
.....

BIG TRACTOR FEATURES IN A SUB-COMPACT SIZE.

Featuring an efficient drivetrain with a powerful diesel engine, the Sc2400 gives you big tractor power in the body of a sub-compact. But the real beauty of the Sc2400 is that it was created by listening to you. Every detail — from the Shift-On-The-Go® technology to extra worklights — was designed to make you say “This is exactly what I’ve been looking for.”

24 HP* DIESEL ENGINE

This 3-cylinder, liquid-cooled diesel engine burns more cleanly and efficiently for better engine performance. A specially designed advanced combustion chamber allows for better atomization of the fuel mixture for a more powerful combustion. Combined with a longer stroke, this creates better torque reserve to ramp up the power when you need it most, like when lifting a heavy load or tilling a rough area. Plus, diesel engines use less fuel, last longer and require less maintenance than gasoline engines.

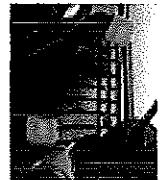


2-RANGE SHIFT-ON-THE-GO®

Shift between high and low range without stopping or disengaging cruise control, even when using the loader, tiller or grading equipment.

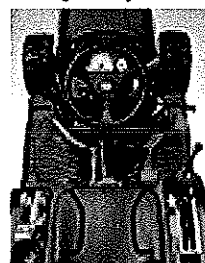
DUAL HYDRAULIC PUMPS – 7.1 GPM TOTAL

A feature normally found only on larger compact tractors, separate hydraulic pumps deliver a more efficient flow of hydraulic fluid and result in smooth hydraulic response at low- or high-speed operation. And because the drive system and implements are powered separately, the Sc2400 handles attachments with less loss of power.



WIDE OPERATOR STATION

Designed with ample legroom and easy-to-reach controls, the Sc2400 is comfortable to operate. Grab handles are located on each fender and on the dash, making it easy to enter and exit the operator's station.



The high-back seat provides extra comfort and reduces fatigue, and a 12-volt DC outlet allows you to charge your cell phone or power an MP3 player.

REVERSE-MOUNTED ENGINE

Draws clean air from the operator's area and pushes it toward the front. This keeps the engine cleaner, reduces maintenance and directs the heat away from the operator.

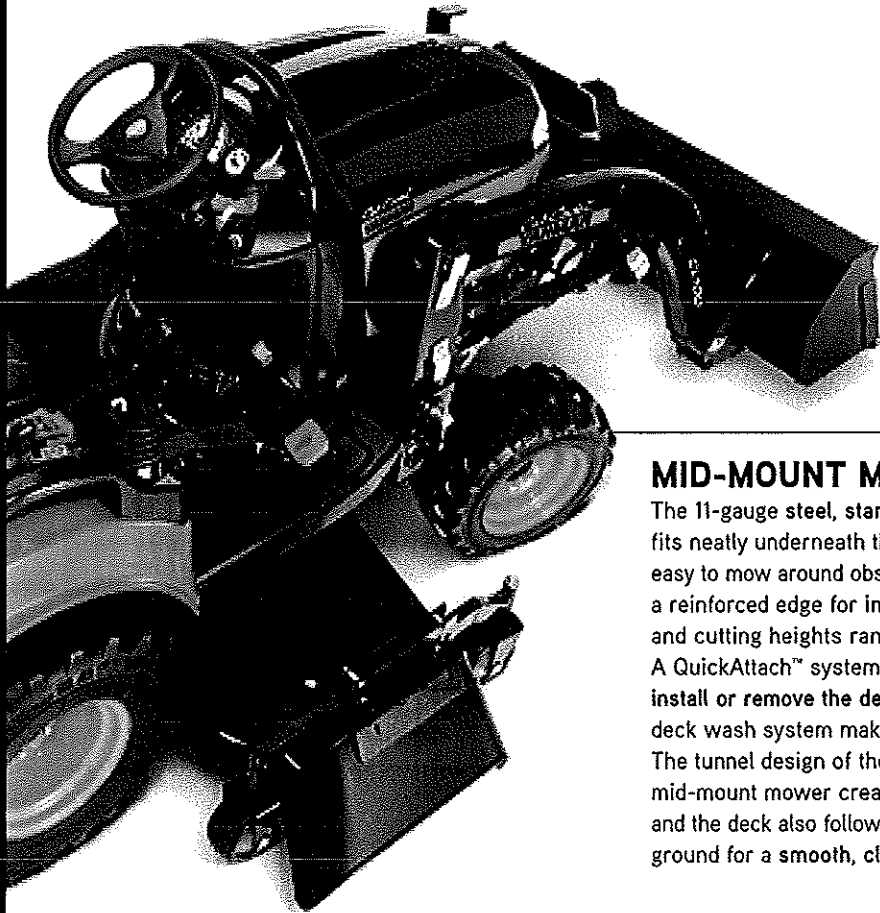


CUB CADET
YANMAR
COMPACT
TRACTORS

* as rated by engine manufacturer
† See your local Cub Cadet Yanmar Independent Dealer for warranty information.

cubcadetyanmar.com

SC2400 ATTACHMENTS

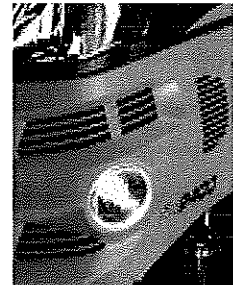


MID-MOUNT MOWER

The 11-gauge steel, stamped, reinforced deck fits neatly underneath the tractor, making it easy to mow around obstacles. It also features a reinforced edge for increased durability and cutting heights ranging from 1" to 4." A QuickAttach™ system allows you to easily install or remove the deck, and the SmartJet™ deck wash system makes for easy cleaning. The tunnel design of the Cub Cadet Yanmar mid-mount mower creates superior vacuum, and the deck also follows the contours of the ground for a smooth, clean cut.

CURVED BOOM LOADER

The 5-cubic-foot steel bucket has reinforced wear plates, and the loader booms are made from one piece of A500 structural steel — giving greater strength and, at 550 lbs.** the highest lift capacity in its class. The loader also features a QuickAttach™ system, so it can be easily attached and detached. And the curved boom provides more than just great styling — it allows for better visibility of the work area from behind the wheel.



AUXILIARY WORKLIGHTS

Provide extra illumination in low light situations and during loader operation.



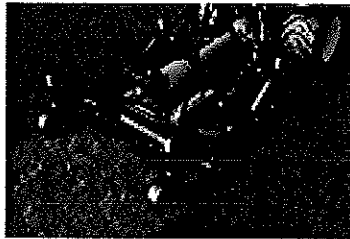
** at 19.7" or 500 mm forward of the pivot pins

MORE ATTACHMENTS SO YOU CAN GET MORE FROM YOUR TRACTOR.

With its wide variety of specially designed, heavy-duty attachments, the Sc2400 sub-compact tractor is great for working the land. Each attachment is built tough and can handle almost any job, so the Sc2400 can tackle any task you come across.

REAR FINISHING MOWER

Built with an 11-gauge steel housing with a reinforcement plate underneath the spindle assembly. Cast-iron and greased from the top for easy service, it has roller bearings that give it more durability. It has a 48" cutting width, a cutting height of 1" to 4", and is fully floating so that it can follow the contours of the land. Plus, with a rear discharge, there is less cleanup.



REAR BLADE

60" rear blade is constructed of 1/2" steel A-frame welded to two 4" x 4" steel beams with 1/4" walls for precise grading. The 3 forward and 3 reverse positions allow for precise and consistent grading, a 3-point tilt adjustment provides a wide range of applications, and the hardened cutting edge gives it a longer life. Plus, it's reversible for an even greater life expectancy.



BOX SCRAPER

The A-frame is built with 1/4" steel for greater control while grading and backfilling. The 3/16" steel box has a 48" working width with reinforcement plates that make it extremely tough. And 5/8" hardened-steel ripping

shanks are adjustable to four positions and have replaceable tips that dig into the toughest soil conditions.

LANDSCAPE RAKE

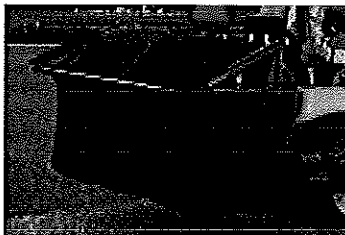
Designed for clearing debris in grass or wooded areas as well as spreading gravel. The 5 forward and 5 reverse positions allow it to handle a wide variety of chores.

GRILLE GUARD

Heavy-duty construction helps protect the tractor hood and headlight assembly from potential damage. It's foldable for easy access to the engine, even when the loader is installed.

GRASS COLLECTION SYSTEM

The 12-bushel collection system features three heavy-duty bags with grab handles, 7" wide collection tube, and cloth hood; and it's PTO driven for added power. Plus, the modular construction provides greater strength, faster installation and easy removal.



HARD CAB

Steel-constructed roof lined with fabric headliner helps to reduce drivetrain noise and improve operator comfort and overall appearance.

FRONT-MOUNTED SNOWBLOWER

Designed to make a 45" clearing path, the snowblower also features reinforced

auger steel rods that are designed for better performance in heavy snow and frozen conditions.



TILLER

42" tiller can be offset for cleaner sight lines. Four knives on every flange blend the soil extremely well, so you can grow stronger root systems. And the rotor shaft is made of high-carbon steel,

which lasts longer and allows you to till at a maximum depth of 7.25." It's designed as a 3-in-1 tiller to combine the capabilities of a center tiller, offset tiller and reversible rotation tiller to deliver a smooth, finished surface under any ground conditions.

FRONT BLADE

60" blade made of heavy-duty moldboard features reversible 1/4" carbon edge for long life. Hydraulic power angle gives the operator smooth, precise control, and power down pressure allows the blade to dig into the ground to loosen packed snow or hard dirt.

TIRE OPTIONS

Choose from Industrial, Turf or Bar tires.

All attachments come with a 1-year limited residential/commercial warranty.†

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Sc2400 Specifications

POWERTRAIN

Gross HP	24 HP* diesel
PTO HP (Hyd)	16.5 at 3,300 RPM
Rated RPM	3,300 RPM
Number of cylinders	3
Bore and stroke	72 x 74 mm
Total displacement	55.1 cu. in.
Ignition type	Indirect injection
Lubrication	Full pressure
Oil filter	Spin-on/full flow
Cooling system	Liquid cooled
Air cleaner	4" single dry
Preheat system	Glow plug
Alternator	40 amp.
Exhaust	Right side pointing down

CAPACITIES

Fuel tank	5.8 gal.
Cooling system	3.4 qt.
Engine oil	2.5 qt.
Transmission case	2.0 gal.

DRIVETRAIN

Transmission type	Hydrostatic
Number of ranges	2 Shift-On-The-Go®
4WD operations	2WD & 4WD selectable
Cruise control	Selectable
Rear differential lock	Foot pedal operation
PTO type	Independent
Mid PTO/RPM (standard)	2,100/3,338
Rear PTO/RPM (standard)	540/3,111
Brake	Wet disc

MAXIMUM TRAVELING SPEED

Forward low	6.0 mph
Forward high	9.3 mph
Reverse low	3.6 mph
Reverse high	5.6 mph

HYDRAULICS

Type	Open center
Pump	Gear/Trochoid
Steering/SCV/3-pt hitch	3.6 GPM at 3,300 RPM
Transmission/hydraulic PTO	3.5 GPM at 3,300 RPM
Maximum pump capacity	7.1 GPM at 3,300 RPM
3-point hitch	Limited Category 1
3-point lift capacity at 24" behind	661 lbs.
Hydraulic control system	Position control

DIMENSIONS

Wheelbase	55.1"
Width	44.5" (w/R4)
Overall length w/o 3-pt hitch	95.5"
Ground clearance	7.5" (w/R4)
Weight w/ROPS & fluids	1,280 lbs.

TIRE SIZE

Front Industrial/Bar/Turf	18" x 8.5" - 10"
Rear Industrial/Bar/Turf	26" x 12.0" - 12"

RESIDENTIAL/COMMERCIAL WARRANTY†

Tractor	2-year or 2,000-hour limited warranty
Engine/drivetrain	3-year or 2,000-hour limited warranty

Sc2400 Attachment Specifications

CL100 CURVED BOOM LOADER

Maximum lift height at pivot point	71"
Dump clearance	54"
Reach at maximum height	28.5'
Maximum dump angle	45°
Reach w/bucket on ground	40"
Maximum rollback angle	25°
Digging depth	6"
Overall height in carry position	37"
Length of attachment (bucket bottom)	19.5"
Maximum lift height under bucket	66"
Bucket width/weight	48"/130 lbs.
Bucket capacity	5 cu. ft.
Lift capacity 500 mm forward of the pivot pins, maximum height	550 lbs.
Lift capacity at pivot pins, maximum height	700 lbs.
Breakout force at bucket pins	1,350 lbs.
Raising time to full height w/o load	3.5 sec.
Lowering time w/o load (power down)	2.5 sec.
Attachment rollback time	2 sec.
Attachment dumping time	1.5 sec.
Rated flow	3.5 GPM
Relief valve	1,780 PSI

MM60RS_e MID-MOUNT MOWER

Type	Side discharge
Mounting method	Suspended linkage
Lift linkage type	Parallel suspended
Transport height	6"
Number of blades	3
Cutting width	60"
Cutting height	1" - 4"
Height adjustment increment	Ground-contouring gauge wheels
Deck thickness	11-gauge reinforced edge
Weight	366 lbs.

RESIDENTIAL/COMMERCIAL WARRANTY†

Attachments	1-year limited warranty
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*As rated by engine manufacturer.

†See your local Cub Cadet Yanmar Independent Dealer for warranty details.

This brochure is for advertisement purposes only. The product depictions are not meant to be used or relied upon as a substitute for the safety and use information that is published in the respective operator's manual. Before operating the machine, read, understand and follow all instructions in the manual and on the machine. Specifications and programs are subject to change without notice. Images may not reflect dealer inventory and/or unit specifications. Please visit cubcadetyanmar.com for more information.