

BOARD OF COMMISSIONERS

SARPY COUNTY, NEBRASKA

RESOLUTION AWARDING BID FOR ONE (1) DETACHABLE INDUSTRIAL SNOW BLOWER FOR THE HIGHWAY DEPARTMENT

WHEREAS, pursuant to Neb. Rev. Stat. §23-104(6)(Reissue 1997), the County has the power to do all acts in relation to the concerns of the County necessary to the exercise of its corporate powers; and,

WHEREAS, pursuant to Neb. Rev. Stat. §23-103 (Reissue 1997), the powers of the County as a body are exercised by the County Board; and,

WHEREAS, bids for this matter have been solicited, made, opened and reviewed pursuant to applicable Nebraska State Statutes; and,

WHEREAS, based on those proceedings, and after a public hearing, this Board has duly deliberated and considered the bids received; and,

WHEREAS, this Board desires to proceed forthwith in order to expedite and facilitate service to the citizens of Sarpy County.

NOW, THEREFORE, BE IT RESOLVED BY THIS BOARD OF COUNTY COMMISSIONERS THAT:

- (1) Based upon the recommendation of the Purchasing Department, and upon a comparison of the bids to the bid specifications, the bid is hereby awarded to the low bidder Nebraska Machinery Co. for One (1) New Detachable Industrial Snow Blower in the amount of One Hundred Twenty Seven Thousand Five Hundred Dollars and No Cents (\$127,500.00) accepted, ratified, and confirmed.
- (2) This Board's Chairman, Clerk, and Attorney are hereby authorized and directed to execute such ancillary documents as may be required to evidence the contract and take any and all steps necessary or required in order to carry out the terms of such contract after said documents have been reviewed by the Attorney, Fiscal Administrator, and County Administrator.

Dated this 5th day of October, 2010.

Moved by Rusty Huke, and seconded by Tom Richards, that the above Resolution be adopted.
Carried.

YEAS:

Rusty Huke

Ami Albrecht

Tom Richards

NAYS:

none

ABSENT:

Rich Jansen

ABSTAIN:

none



Debra Vaughnaling
Sarpy County Clerk

SEAL

Approved as to form:

Kerry A. Schmid
Deputy County Attorney

One (1) New Detachable Industrial Snow Blower
for the
Sarpy County Highway Department

Bid Opening:
2:00 p.m., Thursday
September 23, 2010

	Midwest Service & Sales Co.	Murphy Tractor & Equipment	NMC	NEP
Make	No Bid	RPM Tech Group	RPM Tech	Snogo
Model		LM 220	LM 220	MP-3D
Year		2010	2010	2010
Unit Price		\$128,568.00	\$127,500.00	\$129,985.00
Delivery Date		30-45 Days	30 Days	150 Days

SARPY COUNTY

FLEET SERVICE DEPARTMENT

15100 SOUTH 84TH STREET
PAPILLION, NE 68046
Phone 402-339-9985
FAX 402-339-7625

FLEET MANAGER
Patrick Clarke
pclarke@sarpy.com

Date: October 1, 2010

To: Beth Cunard
From: Patrick Clarke
Ref: Highway Detachable Industrial Snow Blower bid

I have reviewed the Highway Detachable Industrial Snow Blower bids. I would recommend that we purchase the low bid from NMC for the 2010 RPM Tech Model LM220 Snow Blower for the total price of \$127,500.00.

After reviewing the bids, I determined all the bids are acceptable and one has some minor exceptions to the specifications. The low bid from NMC has no exception and in many areas exceeded the minimum requirements. NMC also offered a 30 day delivery date, which will make the snow blower available for the entire 2010-11 winter season.

Any question please call

Beth Cunard

From: Ken Weber

Sent: Wednesday, September 29, 2010 3:25 PM

To: Pat Clarke

Cc: Beth Cunard

Pat,

After reviewing the three bids for the Detachable Industrial Snow Blower I would recommend the LM220 from NMC.

Best price, larger machine than spec'd and fastest delivery date.

Thank You,

Ken Weber

9/29/2010

Sarpy County Purchasing Department

SARPY COUNTY COURTHOUSE
1210 GOLDEN GATE DRIVE
SUITE 1129
PAPILLION, NE 68046-2845
FAX (402) 593-4304



Brian E. Hanson, Purchasing Agent
(402) 593-2349
Debby Peoples, Assistant Purchasing Agent
(402) 593-4164
Beth Cunard, Purchaser/Contract Specialist
(402) 593-4476
Lois Spethman, Supply Clerk/Purchaser
(402) 593-2102

MEMO

To: Sarpy County Board of Commissioners
From: Beth Cunard
Re: Award of bid for Snow Blower

On September 23, 2010, the Purchasing Department received and opened three (3) responsive bids and one (1) no bid for One (1) New Detachable Industrial Snow Blower for the Sarpy County Highway Department. A bid tab is attached for your consideration. The bids have been reviewed by the Highway Department and Fleet Services. It is recommended that the bid be awarded to the low bidder Nebraska Machinery Company for \$127,500.00.

I have placed this on the agenda for the October 5, 2010 Board meeting for recommended approval. If you have any questions, please feel free to contact me at 593-4476.

October 1, 2010



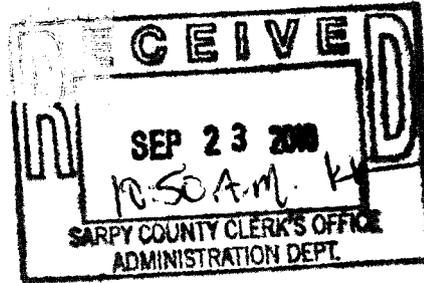
Beth Cunard

cc: Deb Houghtaling
Mark Wayne
Scott Bovick
Brian Hanson
Pat Clarke
Ken Weber
Tom Lynam

NMC

CAT

NMC, Inc.
11002 Sapp Bros. Dr.
Omaha, NE 68138



FIRST CLASS MAIL
FIRST CLASS MAIL

NMC

CAT

11002 Sapp Brothers Drive • Omaha, NE 68138
Main: 402-891-8600 Fax: 402-891-7600

SEALED BID

ONE (1) NEW DETACHABLE
INDUSTRIAL SNOWBLOWER

VENDOR - NMC

BID OPENING - SEPTEMBER 23, 2010
2:00 PM



 **TOR TRUCK**
CORPORATION

• Overall height: 11.5 m (38 ft)
• Overall width: 2.8 m (9 ft)
• Weight: 12,000 kg (26,455 lb) approx.

Two (2) interchangeable 510 mm (20 in.) diameter open flight augers welded as one (1) piece

IMPELLER

- Diameter: 965 mm (38 in.)
- Blades: Five (5) bolted on and concave impeller blades made of 6 mm (1/4 in.) ASTM A514 steel
- Projection¹: Up to 46 m (150 ft)
- Coating:
 - Heavy-duty construction, chain and sprocket rotating system
 - Hydraulically controlled
 - Right and left for side casting or through the loading chute for spot casting

FIXED STEERING VANES

- Height: 1956 mm (77 in.)
- Overall width: 2794 mm (110 in.) ou 2946 mm (116 in.)

TELESCOPIC LOADING CHUTE

- Diameter: 406 mm (16 in.)
- Control: One vertical section, one directional section and one flexible section
- Extension: 457 mm (18 in.) hydraulic extension to allow casting at any adjustable height from 3530 to 3988 mm (139 to 157 in.)
- Rotation: Minimum 300°
- Projection¹: From 1 to 16 m (3 to 50 ft)

ENGINE

- Power: 205 kW (275 hp) Turbo Diesel Tier 3 engine

FUEL TANK

- Type: Steel
- Capacity: 325 L (85 gal)

¹ Depending on snow conditions



ISO 9001:2008

Specifications on this brochure may be changed without prior notice.
Revised: 2010.01

HYDRAULIC SYSTEM

- Pump type: 23 L/min (6 US GPM) directly mounted on engine auxiliary drive
- Oil tank capacity: 9 L (2.4 gal)

ELECTRICAL SYSTEM

- Type: 12 volts
- Battery: Two (2), type 31, 2250 CCA

DRIVELINE SYSTEM

- Clutch: Twin Disc, model SP-211
- Type: Chain and gear driven with a spiral reduction bevel gear box
- Lubrication: Oil bath
- Safety mechanism: Two (2) sets of shear bolts protecting impeller and augers

INSTRUMENT PANEL AND CONTROLS

- Model: Heavy duty control and display system PLUS +1 from Sauer Danfoss
- Controls:
 - One controller using a multiplex CAN communication
 - One 256 color LCD screen of 3 1/8 in. x 5 3/4 in.
 - One 4-button CANBUS manipulator
 - One switch ignition key

SKATES AND SCRAPER BLADES

- Four (4) inside and six (6) outside skates made of 44W high carbon alloy steel
- One (1) reversible CHT 100 steel scraper blade
- Skates with carbide inserts

OPTIONAL EQUIPMENT

- Auger with bolted ice breaker
- Battery heater
- Carbide ice breaker
- Carbide plating 55Rc (drum and chute)
- High hydraulic temperature protection
- Hydraulic oil heater
- Hydraulic steering vanes
- Residential type Cowl muffer
- Racor filter, heating water separator spin-on type
- Thermostatic fan
- Work lights

QUEBEC CITY

184 Route 138
Cap-Santé, Quebec GOA 1L0
Telephone: 418.285.1811
Toll free: 1.800.463.3882
www.rpmttechgroup.com

LAVAL

2220 Michelin Street
Laval, Quebec H7L 5C3
Telephone: 450.687.3280
Toll free: 1.800.631.9297
info@rpmttechgroup.com

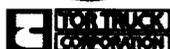


TECHNICAL SPECIFICATIONS OF THE LM220

Designed and manufactured by R.P.M. Tech Inc.

1. Some information on your snow removal partner

- 1.1 RPM Tech counts on a team of more than 100 people between its various workshops and factories. Over the years, RPM Tech has proudly manufactured and sold more snow blowers than its collective competitors. Several models have been in the market longer than other current snow blower manufacturers in Quebec have been in existence.
- 1.2 The Managing Engineer of our Engineering Department has more than 15 years of experience. The Engineering Team consists of 2 Mechanical Engineers, 1 Electrical Engineer, 2 Mechanical Technicians, 1 Electrical Technician and 4 Draftsmen, thus ensuring a high quality product.
- 1.3 We have two manufacturing plants that are managed by the Director of Production, with this as his sole directive.
- 1.4 RPM Tech is ISO 9001:2008 certified. This quality assurance certification is valid for all our points of service and production. The ISO 9001:2008 certificate can be provided to you upon request.
- 1.5 Respectful of the environment, RPM Tech has also embarked on a review of its business processes which will result in obtaining ISO 14001 Certification.
- 1.6 In addition to providing service workshops, we have a network of authorized dealers strategically located throughout the province and the rest of Canada. These authorized dealers provide full service and material support to ensure conformity of the units in operation, in their respective territory.
- 1.7 In Quebec, we have 5 points of service, 3 of which are operated by RPM Tech.



LM220

- 1.8 All our snow removal products are supported by the LARGEST team of technicians on the road and in workshop.
- 1.9 We have been in operation and manufacturing new snowblowers for more than 40 years.
- 1.10 We would be honoured to have you visit any of our 2 factories, or our service points. Do not hesitate to contact us to organize a visit to meet with our Engineering, Production and Service teams.

2. General Requirements

- 2.1 The following are requirements for a RPM snowblower model LM220, designed and manufactured by RPM Tech to be installed on a wheel loader and supplied with female quick attach system compatible with the loader.
- 2.2 This equipment is capable of handling all types of snow, including wet, heavy snow to hard packed frozen snow. The unit we have bid is capable of arduous duty for prolonged periods of time, without deformation and/or failure of components, in ambient temperatures down to minus forty degrees (-40°C) (-40°F).
- 2.3 Two stage type snowblower.
- 2.4 Two (2) 20 inches augers, impeller and truck loading chute.
- 2.5 Plastic bushings and rubber absorbers are used on mobile components of the snowblower such as the chute, the engine cowling, battery tray, in order to avoid any contact metal on metal to eliminate vibration problems and premature wear of these parts by friction.

3. Capacity

- 3.1 Up to 2 750 tons per hour*. *(capacity depends on snow conditions)
- 3.2 Casting distance up to 46 m (150 ft).

4. Dimensions

- 4.1 Overall width is 2 795 mm (110 in).
- 4.2 The overall width is available at 2 795 mm (110 in) or 2 946 mm (116 in), depending on the optional steering vanes that are chosen (see 7.0).
- 4.3 Overall height is 3 531 mm (139 in) with the deflector in the horizontal position.



LM220

- 4.4 Overall length is 2 388 mm (94 in) without the female coupler.
- 4.5 Working height is 1 400 mm (55 in).
- 4.6 The weight is 4 082 kg (9 000 lb) to 4 310 kg (9 500 lb)*. *(Depending on the options chosen).

5. Frame

- 5.1 Fully welded construction.
- 5.2 The front frame is constructed with two (2) 12 mm (1/2 in) thick side plates, holding the auger bearings and 10 Ga plate behind the augers. Side plates and backing plate are connected to two (2) triangular reinforcements in 10 Ga steel that is positioned between the augers.
- 5.3 The back frame is constructed with two (2) 2 540 mm (100 in) long, hot rolled angles that are a minimum of 13 mm x 102 mm x 152 mm (1/2 in x 4 in x 6 in) in order to withstand efforts induced by the female coupler.
- 5.4 The center of the frame is constructed with two (2) vertically mounted steel plates.
- 5.5 Additional reinforcement consists of structural tubing, channel and flat bars.
- 5.6 The frame is made of a triangular design in order to allow an optimal distribution of the effort of the front of the blower to the quick coupler.

6. Scraper blades and skates

- 6.1 Six (6) outside and four (4) inside carbide skates, with a total of 2 258 cm² (350 in²) of wear surface.
- 6.2 Reversible CHT 100 scraper blade of 10 mm x 152 mm (3/8 in x 6 in).

7. Hydraulic controlled steering vanes (option)

- 7.1 Optional steering vanes provide an overall width of 2 794 mm (110 in), or 2 946 mm (116 in), with a height of 1 956 mm (77 in).
- 7.2 Optional steering vanes with carbide shoes.



LM220

8. Telescopic standard loading chute

- 8.1 The loading chute is 406 mm (16 in) in diameter and consists of two (2) vertical sections (one (1) directional section and one (1) flexible section).
- 8.2 457 mm (18 in) hydraulic extension allows the loading chute to cast at any adjustable height (from 3 531 to 3 988 mm (139 to 157 in)).
- 8.3 The ability to cast snow on either side of the unit is located to the left of the impeller.
- 8.4 A rigid rotation system utilizes two (2) different materials, steel and UHMW thermoplastic, to prevent friction and wear.
- 8.5 Flexible and directional sections are fabricated from 5 mm (3/16 in) thick CHT360 steel (sections the most exposed to friction).
- 8.6 Flexible section tilts through one (1) hydraulic cylinder to control the projection distance from 1 to 16 m (3 to 50 ft)*. *up to 46 m (150 ft) on direct projection to the drum.
- 8.7 Hydraulic rotation is 300°.
- 8.8 Loading height is 3 531 mm (139 in).
- 8.9 Rotating with hydraulic motor and 60-1 chain.

9. Impeller

- 9.1 The impeller is 965 mm (38 in) in nominal diameter and consists of five (5) bolted-on and concaved impeller blades that are fabricated from ASTM 44W 6 mm (1/4 in) steel.
- 9.2 The impeller casing is 1 016 mm (40 in) in normal diameter and is constructed with 10 mm (3/8 in) CHT360 steel (outline section).
- 9.3 The rotation of the impeller casing is hydraulically operated by a 10:1 reducer and rotates 150°.
- 9.4 Drum depth is 356 mm (14 in).



LM220

10. Augers

- 10.1 Two (2) interchangeable 510 mm (20 in) in diameter, full flight augers are welded in one (1) piece.
- 10.2 The top auger is fabricated from 10 mm (3/8 in) steel 44W, and is continually welded on a 101 mm (4 in) OD tube x 8 mm (0.318 in) wall.
- 10.3 The bottom auger is fabricated from 10 mm (3/8 in) steel 44W, with a continuous weld on a 101 mm (4 in) OD tube x 19 mm (0.75 in) wall.
- 10.4 Saw tooth design augers for ice.
- 10.5 A rubber deflector is bolted on to the blower frame, over the top auger.

11. Engine

- 11.1 205 kW (275 hp) Caterpillar Tier III @ 2 200 rpm, turbo charged and after cooled. The manufacturer of the engine provides quality assurance checks of the engine assembly and application.
- 11.2 Number of cylinders : 6
- 11.3 Alternator: 150 Amps.
- 11.4 Fan with variable flow, reducing the accumulation of debris to the radiator. It will thus reduce the overheating or the cooling of the engine according to the external ambient temperature, which will cause to increase the lifespan of the engine and cooling components in addition to simplifying the maintenance of the radiator. The adjustable fan also allows to reduce fuel consumption by at least 5% and more in the applications where the external ambient temperature is lower than -15° C.
- 11.5 Radiator is located on the right side.
- 11.6 Injection system with electronic control.
- 11.7 Two (2) stage dry type air filters with clogging indicator (easy assembly).

12. Fuel

- 12.1 Primary water separator Diesel filter with replaceable elements.
- 12.2 Secondary Diesel filter with replaceable elements.



LM220

17. Clutch

- 17.1 Double 279 mm (11 in) plate, over center type clutch, Twin Disc, model SP-211.A hydraulic cylinder with cab control actuates the clutch. The hydraulic movement is controlled by an electronic circuit to ensure that the operator is not able to engage the clutch inappropriately. The movement of the clutch cylinder rod is done automatically when the operator sends the clutching signal. During operation, if the cylinder is not in the proper position, the system disengages the clutch and advises the operator through with an audible, lighted and text alarm.
- 17.2 Angular position transducer installed directly on the clutch.
- 17.3 The system also prevents engine start up when the clutch is engaged and the engine rpm is not at idle.

18. Power train

- 18.1 Roller chains, right angle spiral bevel gearbox and two (2) 1550 series driveshafts, provide power to the augers and impeller.
- 18.2 All components are lubricated by means of oil baths.
- 18.3 All oil baths have level gauges.
- 18.4 First oil bath chain is 60-3 Diamond riveted chain.
- 18.5 Second oil bath chain is 100-1 riveted chain.
- 18.6 Chain tension adjustment by two (2) eccentric covers.
- 18.7 Two (2) sets of shear bolts protecting impeller and augers.
- 18.8 Shear bolts located in easily accessible locations.
- 18.9 The first set of shear bolts is located on the driveshaft, between the power unit and the chain case.
- 18.10 The second set of shear bolts is located on the driveshaft, between the impeller gearbox and the chain case.



LM220

19. Electric system

- 19.1 Heavy duty control and display system PLUS +1 from SAUER DANFOSS.
- 19.2 Color LCD screen.
- 19.3 English/French display.
- 19.4 Simultaneous display, on the same page, speed of the engine, oil pressure of the engine, engine temperature, fuel level, engine load, voltage of the battery, hourmeter of the engine and alarms with description.
- 19.5 Detailed and textual display of the error met.
- 19.6 Display and control of the lights' condition with the LCD screen (optional equipment).
- 19.7 Four (4) position joystick to control directional section of the chute rotation and chute deflector, functioning jointly with a Sauer-Danfoss multiplexing system.
- 19.8 Hydraulic functions and engine speed controlled by an ergonomic 4 buttons manipulator. Option of miniature manipulator.
- 19.9 Automatic clutch controlled by LCD screen.
- 19.10 Screen function for clutch engagement and disengagement.
- 19.11 Joystick function for variable engine throttle control.
- 19.12 Joystick function for impeller casing rotation.
- 19.13 Joystick function for chute extension.
- 19.14 Joystick function for steering vanes.
- 19.15 There is an option to secure the drum, on the screen, in order to provide snow blowing operations in residential areas.
- 19.16 Engine code readings are located directly on our system.
- 19.17 Joystick sensibility controlled on the LCD screen.
- 19.18 Clutch angles programming protected by passwords.
- 19.19 Joystick manual on LCD screen.



1.1.12.20

- 19.20 Lighted hourmeter.
- 19.21 Lighted voltmeter gauge, lighted oil pressure gauge.
- 19.22 Lighted engine coolant temperature gauge.
- 19.23 Lighted fuel level gauge.
- 19.24 Stop engine warning light.
- 19.25 Check engine warning light (only on electronic engines).
- 19.26 Working light indicator.
- 19.27 Warning light and audible alarm for clutch malfunction.
- 19.28 Visual and audible alarm for air intake overheating, temperature of the cooling liquid, low oil pressure, low level of antifreeze, engine stoppage, low level of load and clutch error.
- 19.29 Visual alarm for low fuel level, check engine, and activated heating elements.
- 19.30 Automatic protection of the clutch.
- 19.31 Protection of anti restart components when engine is running.
- 19.32 Circuits protected by breakers.
- 19.33 Emergency stop on the blower and an emergency stop on the cabin.
- 19.34 A safety device is located on the blower engine in the event of overheating or low oil pressure.
- 19.35 Seven (7) wire cable between loader and snow blower.
- 19.36 Stickers identify relays and circuit breakers in these cases.
- 19.37 5 m (17 ft) weatherproof quick disconnect cable joins the control panel in the loader cab to the snowblower unit.
- 19.38 Maintenance harness



1.3.1.2.2.0

20. Attachment to the loader (OPTION)

20.1 A bolted on female quick coupler for snowblower (see item 25).

21. Paint

21.1 All metal surfaces are properly prepared for painting to insure removal of any/all surface rust, welding slag, soot, dirt, grease or wax.

21.2 One (1) coat of two (2) component epoxy primer.

21.3 Two (2) coats of two (2) component polyurethane paint (manufacturer's standard yellow).

22. Manuals

22.1 One (1) parts catalogue and an operation and maintenance manual are supplied with the snowblower (hard copy and/or CD). The electrical diagram is included in the parts catalogue.

23. Training

23.1 RPM Tech will provide the training for your teams, on site, for a period of at least 6 hours. The snowblower unit training for the operators will include mechanical general maintenance, as well as methods of operation. An additional 4 hours of training can be provided, without additional cost, on conditions of snow clearance.

24. Guarantee and after-sales service

24.1 The snowblower is covered by a one (1) year or 1,500 hours warranty, including parts and labour. To this end, we can provide documentation outlining the terms and conditions of the warranty.

24.2 To ensure 24 hour service, inventory stock levels will be maintained for all parts essential to the normal operation of the snowblower.



L.M. 2.20

25. Options available

- 25.1 Bolted ice breaker for auger
- 25.2 Drum carbide plating 55Rc
- 25.3 Mobile direction 110 in
- 25.4 Mobile direction 116 in
- 25.5 Reversible carbide blade of 10 mm x 152 mm (3/8 in x 6 in)
- 25.6 Residential type Cowl muffler
- 25.7 Heated water separator Diesel filter (Spin on type)
- 25.8 Battery heater
- 25.9 Oil heater for hydraulic system
- 25.10 Working lights
- 25.11 Chute lights
- 25.12 Arctic oil (hydraulic, engine, oil bath, gear box and reducer)
- 25.13 Carbide covering on the chute
- 25.14 Welding of customer's attach on the bolted plate
- 25.15 Female quick attach complete system (RPM supplies the quick attach).



1.M220

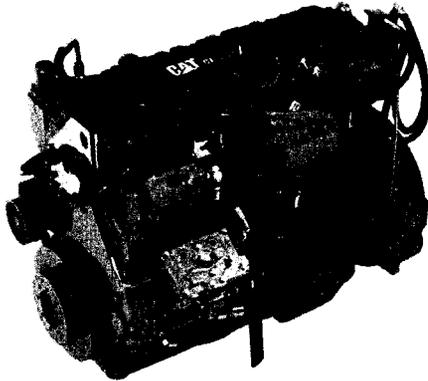


Image shown may not reflect actual engine

CATERPILLAR ENGINE SPECIFICATIONS

I-6, 4-Stroke-Cycle Diesel

Bore.....	110.0 mm (4.33 in)
Stroke.....	127.0 mm (5.0 in)
Displacement.....	7.2 L (442 in ³)
Aspiration.....	Turbocharged ATAAC
Compression Ratio.....	17:1
Rotation (from flywheel end).....	Counterclockwise
Lube Oil System (refill).....	28 L (7.4 U.S. gal)
Weight, Net Dry (approximate kg, lb).....	588 kg (1296 lbs)

FEATURES

Emissions

Meets Tier 3, Stage IIIA emission requirements. Tier 3 refers to EPA (U.S.) standards. Stage IIIA refers to European standards.

Worldwide Supplier Capability

Caterpillar

- Casts engine blocks and heads
- Machines critical components
- Assembles complete engine
- Factory-designed systems built at Caterpillar ISO 9001:2000 certified facilities
- Ownership of these manufacturing processes enables Caterpillar to produce high quality, dependable product.

Testing

Prototype testing on every model:

- proves computer design
- verifies system torsional stability
- functionality tests every model

Every Caterpillar engine is dynamometer tested under full load to ensure proper engine performance.

Full Range of Attachments

Wide range of bolt-on system expansion attachments, factory designed and tested.

Unmatched Product Support Offered Through Worldwide Caterpillar Dealer Network

More than 1,500 dealer outlets
Caterpillar factory-trained dealer technicians service every aspect of your industrial engine
99.7% of parts orders filled within 24 hours worldwide
Caterpillar parts and labor warranty
Preventive maintenance agreements available for repair before failure options

Scheduled Oil Sampling program matches your oil sample against Caterpillar set standards to determine:

- internal engine component condition
- presence of unwanted fluids
- presence of combustion by-products

Web Site

For all your industrial power requirements, visit www.cat-industrial.com.

STANDARD ENGINE EQUIPMENT

Air Inlet System

Air to air aftercooled (ATAAC)
Turbocharged

Control System

Electronic governing, PTO speed control
Programmable ratings
Cold mode start strategy
Automatic altitude compensation
Power compensation for fuel temperature
Programmable low and high idle and total engine limit
Electronic diagnostics and fault logging
Engine monitoring system
J1939 Broadcast (diagnostic and engine status)
ADEM A4 Electronic Control Unit (ECU)

Cooling System

Thermostats and housing, vertical outlet
Jacket water pump, centrifugal
Water pump, inlet

Exhaust System

Exhaust manifold, dry
Optional exhaust outlet

Flywheels and Flywheel Housing

SAE No. 1 Flywheel housing

Fuel System

HEUI injection
Fuel filter, secondary (2 micron high performance)
Fuel transfer pump
Fuel priming pump
ACERT Technology

Lube System

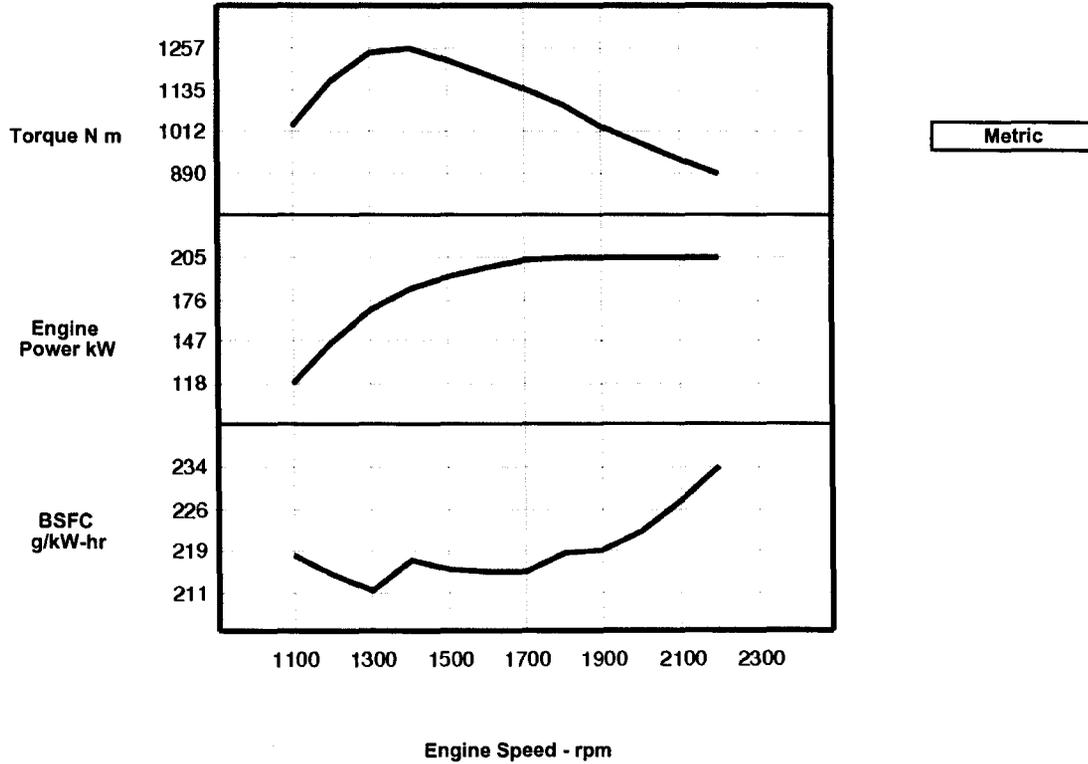
Crankcase breather
Oil cooler
Oil filler
Oil filter
Oil pan front sump
Oil dipstick
Oil pump (gear driven)

General

Paint, Caterpillar Yellow
Vibration damper
Lifting eyes

PERFORMANCE CURVES

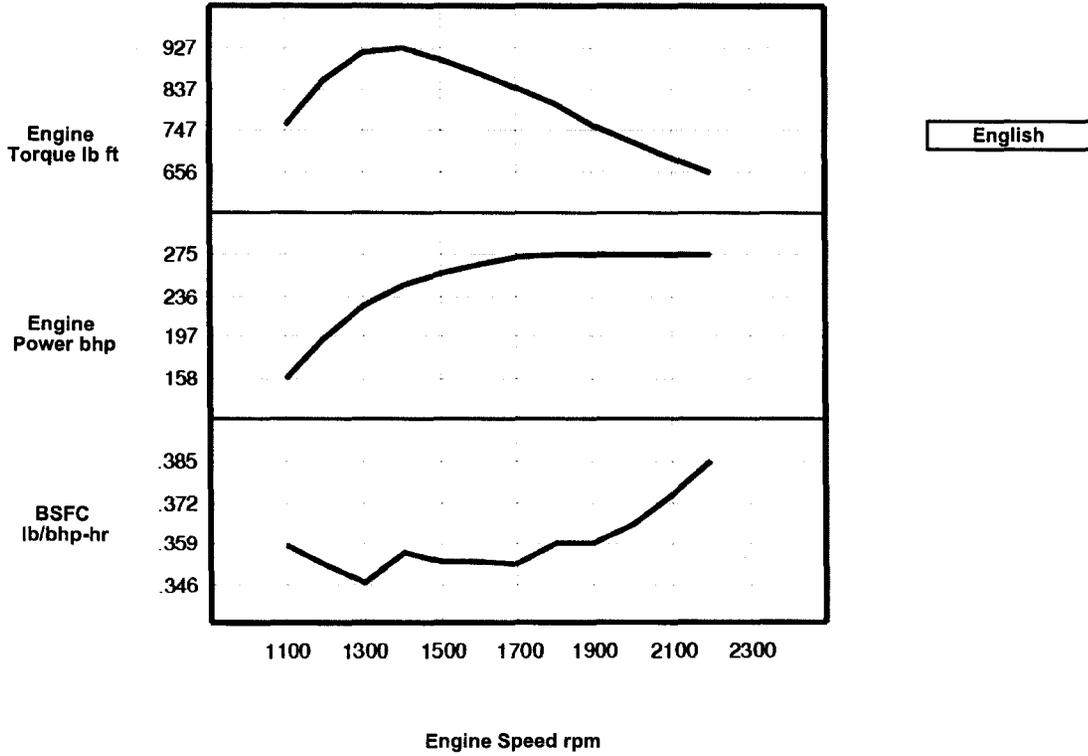
IND - C (Intermittent) - DM9222-00



Engine Speed rpm	Engine Power kW	Torque N m	BSFC g/kW-hr	Fuel Rate L/hr
2200	205	890	234.1	57.2
2100	205	932	227.9	55.7
2000	205	979	222.1	54.3
1900	205	1030	218.5	53.4
1800	205	1088	218.3	53.3
1700	203	1140	214.5	51.9
1600	198	1182	214.8	50.7
1500	192	1222	215	49.2
1400	184	1257	216.8	47.6
1300	169	1241	211	42.5
1200	146	1162	214.4	37.3
1100	118	1024	218	30.7

PERFORMANCE CURVES

IND - C (Intermittent) - DM9222-00

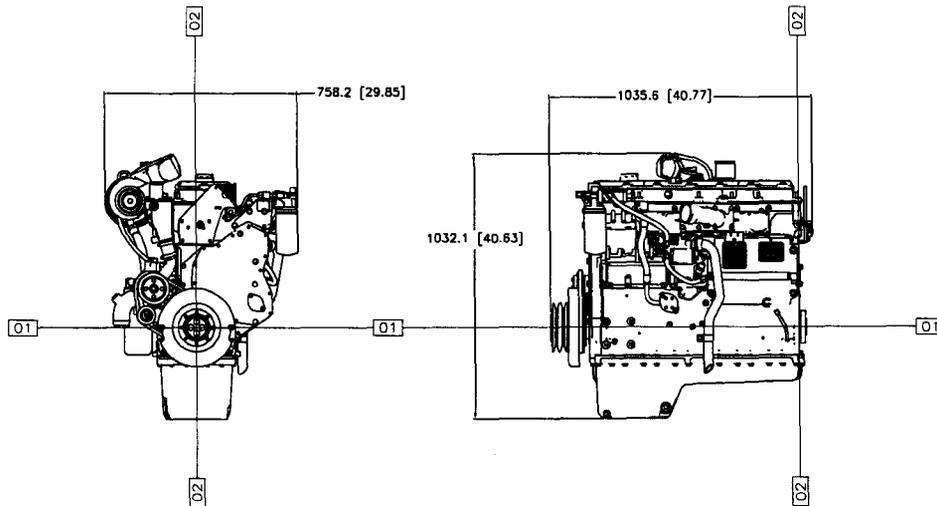


Engine Speed rpm	Engine Power bhp	Engine Torque lb ft	BSFC lb/bhp-hr	Fuel Rate gal/hr
2200	275	656	.385	15.1
2100	275	687	.375	14.7
2000	275	722	.365	14.3
1900	275	760	.359	14.1
1800	275	802	.359	14.1
1700	272	841	.353	13.7
1600	266	872	.353	13.4
1500	257	901	.353	13.0
1400	247	927	.356	12.6
1300	227	915	.347	11.2
1200	196	857	.352	9.9
1100	158	755	.358	8.1

RATINGS AND CONDITIONS

IND - C (Intermittent) Intermittent service where maximum power and/or speed are cyclic (time at full load not to exceed 50%).

Engine Performance Diesel Engines 7 liter and higher
 All rating conditions are based on SAE J1995, inlet air standard conditions of 99 kPa (29.31 in. Hg) dry barometer and 25°C (77°F) temperature. Performance measured using a standard fuel with fuel gravity of 35° API having a lower heating value of 42,780 kJ/kg (18,390 btu/lb) when used at 29° C (84.2° F) with a density of 838.9 g/L.



Engine Dimensions	
(1) Length	1052.7 mm (41.44 in)
(2) Width	758.2 mm (29.85 in)
(3) Height	1032.1 mm (40.63 in)

Note: Do not use for installation design. See general dimension drawings for detail (Drawing # 2835788).

Performance Number: DM9222-00

Feature Code: C07DI03 Arr. Number: 2903976

Materials and specifications are subject to change without notice.

11704722

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The International System of Units (SI) is used in this publication.

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SPECIFICATIONS

One (1) New Detachable Industrial Snow Blower For Sarpy County Highway Department

SARPY COUNTY, NEBRASKA

PROPOSALS DUE: 2:00 p.m., Thursday, September 23, 2010

General Information

Notice to Vendors

Sarpy County is seeking proposals for One (1) New Detachable Industrial Snow Blower for the Sarpy County Highway

Sealed bids will be received Monday through Friday 8:00 a.m. to 4:45 p.m. except holidays, until 2:00 p.m., Thursday, September 23, 2010. Bids shall be in a sealed envelope, clearly marked "Sealed Bid - One (1) New Detachable Industrial Snow Blower" and shall have the name of the Vendor, and the time and date of the bid opening. **Do not fax bids, only sealed bids will be accepted.**

Submit one (1) original and three (3) copies of the entire Bid Form including attachments.

Requests for information and clarification questions must be received by September 17, 2010 at 12:00 P.M. in order for Sarpy County to have time to issue an addendum.

Bidding criteria must be received from Beth Cunard, Purchaser, 1210 Golden Gate Drive, Papillion, NE 68046, (402) 593-4476, bcunard@sarpy.com or via the internet at www.sarpy.com.

Vendors that obtain specifications from the internet sites are responsible for obtaining any addenda that may be added at a later time.

Bids must be sent to:

Deb Houghtaling
Sarpy County Board Business Office
1210 Golden Gate Drive
Papillion, NE 68046

Bids not addressed and delivered to the above person will not be considered. Bids received after the above stated time and date will not be considered.

Bid opening will be a public opening to be held in the Sarpy County Administrative Conference Room at 1210 Golden Gate Drive, Papillion, NE. The bid opening will be at 2:00 p.m., Thursday, September 23, 2010.

All bids submitted shall be valid for a period of sixty (60) days following the final date for submission of bids.

Sarpy County will not be liable for costs incurred by Vendors for proposal preparation, printing, demonstration, or any other costs associated with or incurred in reliance on proposal creation. All such costs shall be the responsibility of the Vendor.

The bids shall include all charges and applicable taxes, F.O.B., 15100 South 84th Street, Papillion, Nebraska. The Vendor need not include sales tax in the bid. Sarpy County will, upon request, furnish the successful Vendor with a completed State of Nebraska Tax Exempt Form 13 upon acceptance of the successful Vendor's proposal.

The Sarpy County Board of Commissioners reserves the right to reject any or all bids and to waive minor informalities.

In the event of conflict between unit price and extended price, unit price shall prevail.

Procedures for Evaluation and Awarding of Bid

1. Evaluation will be done by Beth Cunard, Sarpy County Purchaser along with personnel from the Highway and Fleet Services Departments. After evaluation the Purchaser will make a recommendation to the County Board of Commissioners for award. This recommendation and pending award will be made at a public meeting of the Board of Commissioners. Agendas are available each Friday afternoon on our internet site www.sarpy.com. The Commissioners award the bid by majority vote.
2. The following factors will be used to consider the award of the bid, where applicable:
 - a. Compliance with all requirements.
 - b. Price.
 - c. The ability, capability, and skills of the Vendor to perform.
 - d. The character, integrity, reputation, judgment, experience, and efficiency of the Vendor.
 - e. The quality of previous performance.
 - f. Whether the Vendor can perform within the time specified.
 - g. The previous and existing compliance of the supplier with laws.
 - h. The life-cost of the personal property or services in relation to the purchase price and specified use.
 - i. The performance of the personal property or service taking into consideration any commonly accepted tests and standards of product, service, usability and user requirements.
 - j. The energy efficiency ratio as stated by the supplier.
 - k. The life-cycle costs between alternatives for all classes of equipment, the evidence of expected life, the repair and maintenance costs, and the energy consumption on a per year basis.
 - l. Such other information as may be secured having a bearing on the decision.

Terms and Conditions:

1. Information, Discussion, and Disclosures:
 - a. Any information provided by Sarpy County to any Vendor prior to the release of this Request for Proposal ("RFP"), verbally or in writing, is considered preliminary and is not binding on Sarpy County.
 - b. The Vendor must not make available nor discuss any cost information contained in the sealed copy of the proposal to or with any employee of Sarpy County from the date of issuance of this RFP until the contract award has been announced, unless allowed by the Sarpy County Purchasing Department in writing for the

purpose of clarification or evaluation.

- c. No interpretation of the meaning of the specifications, or other bidding documents, nor correction of any ambiguity, inconsistency, or error therein will be made orally to any Vendor.
- d. Every request for such interpretation or correction should be in writing, addressed to the Sarpy County Purchaser, Beth Cunard, 1210 Golden Gate Drive, Papillion, NE 68046 or bcunard@sarpy.com. **Requests must be received by 12:00 p.m., September 17, 2010 in order for Sarpy County to have time to issue an addendum. Requests received after deadline may not be considered.** In case Sarpy County finds it expedient to supplement, modify, or interpret any portion of the bidding documents prior to the proposed bid date, such procedure will be accomplished by the issuance of written addenda to the RFP which will be mailed or delivered to all prospective Vendors at the respective addresses furnished for such purpose.

2. Addenda:

- a. All addenda will become part of this RFP and must be responded to by each Vendor.
- b. All addenda must be acknowledged in writing in the bid submitted by the Vendor.
- c. This RFP, any subsequent addenda, and any written responses to questions take precedence over any information previously provided.

3. Confidentiality of Documents:

Sarpy County considers all information, documentation and other materials requested to be submitted in response to this proposal to be of a non-confidential and/or non-proprietary nature and therefore shall be subject to public disclosure under Neb. Rev. Stat. § 84-712.05(3).

Vendors are hereby notified that Sarpy County strictly adheres to all statutes, court decisions, and opinions of the Nebraska Attorney General with respect to disclosure of RFP information.

Any “proprietary, trade secret, or confidential commercial or financial” information must be clearly identified, in a separate sealed envelope, at the time of bid/proposal submission. The Vendor will be required to fully defend, in all forums, Sarpy County’s refusal to produce such information; otherwise, Sarpy County will make such information public.

4. Non-Discrimination Clause:

Pursuant to Neb. Rev. Stat. §73-102 (Reissue 1996), Vendor declares, promises, and warrants it has and will continue to comply fully with Title VI of the Civil Rights Act of

1964, as amended (42 U.S.C.A. §1985, et seq.), and the Nebraska Fair Employment Practice Act, Neb. Rev. Stat. §48-1101, et seq. (Reissue 2004), in that there shall be no discrimination against any employee who is employed in the performance of this Contract, or against any applicant for such employment, because of age, color, national origin, race, religion, creed, disability or sex.

5. Conflict of Interest Clause:

Pursuant to Neb Rev. Stat. §23-3113 (Reissue 1997), the parties hereto declare and affirm that no officer, member, or employee of the County, and no member of its governing body, and no other public official of the County who exercises any functions or responsibilities in the review or approval of the undertaking described in this Contract, or the performing of services pursuant to this Contract, shall participate in any decision relating to this Contract which affects his or her personal interest, or any corporation, partnership, or association in which he or she is directly or indirectly interested; nor shall any employee of the County, nor any member of its governing body, have any interest, direct or indirect, in this Contract or the proceeds thereof.

6. Payment Terms:

The successful Vendor shall submit an itemized invoice for payment. Sarpy County will make payment to the successful Vendor within forty five (45) days after receipt of invoice, satisfactory delivery, and testing.

7. Supplemental Terms and Conditions/Modifications:

Any supplemental terms, conditions, modifications, or waiver of these terms and conditions must be in writing and signed by the Sarpy County Board Chairman and the Vendor.

8. Termination:

Either party may terminate the Contract with ninety (90) days' written notice to the other.

9. Residency Verification:

The Vendor agrees to comply with the residency verification requirements of Neb. Rev. Stat. §4-108 through §4-114. The Vendor is required and hereby agrees to use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska. A federal immigration verification system means the electronic verification of the work authorization program authorized by the Illegal Immigration Reform and Immigrant Responsibility Act of 1996, 8 U.S.C. 1324a, known as the E-Verify Program, or an equivalent federal program designated by the United States Department of Homeland Security or other federal agency authorized to verify the work eligibility status of a newly hired employee.

If the Vendor is an individual or sole proprietorship, the following applies:

1. The Vendor must complete the United States Citizenship Attestation Form, available on the Department of Administrative Services website at www.das.state.ne.us.
2. If the Vendor indicates on such attestation form that he or she is a qualified alien, the Vendor agrees to provide the U.S. Citizenship and Immigration Services documentation required to verify the Vendor's lawful presence in the United States using the Systematic Alien Verification for Entitlements (SAVE) Program.
3. The Vendor understands and agrees that lawful presence in the United States is required and the Vendor may be disqualified or the contract terminated if such lawful presence cannot be verified as required by Neb. Rev. Stat. Sect. 4-108.

10. Breach:

Should Vendor breach, violate, or abrogate any term, condition, clause or provision of this agreement, the County shall notify Vendor in writing that such an action has occurred. If satisfactory provision does not occur within ten (10) days from such written notice the County may, at its option, terminate this agreement and obtain an alternate provider to provide all required materials. This provision shall not preclude the pursuit of other remedies for breach of contract as allowed by law.

11. Assignment:

The Vendor may not assign this Contract without the prior written consent of the County.

12. Subcontracting:

Vendor may not subcontract the work to be performed, without prior written consent of the County. If such consent is granted, Vendor will retain responsibility for all work associated with the Contract. The Vendor must identify any subcontractors it intends to use in the execution of this Contract. The Vendor must identify subcontractors in writing within the proposal.

13. Independent Contractor:

The Vendor shall in the performance of the Contract at all times be an independent contractor and not an employee or agent of the County. The Vendor, its officers, employees and agents shall at no time represent the Vendor to be other than an independent contractor or represent themselves to be other than employees of the Vendor.

14. Indemnity:

The Vendor shall indemnify and save harmless Sarpy County, its officers, employees and agents from all loss, claims, suits or actions of every kind and character made upon or brought against Sarpy County, its officers, employees, or agents, for or sustained by any party or parties as a result of any act, error, omission or negligence of said Vendor or its servants, agents, and subcontractors; and also from all claims of damage in fulfilling this

Contract.

Specifications

The purpose of these specifications is to describe one self contained snow blower and all components necessary for a complete operating unit. The Snow blower will be designed to be installed on a wheel loader with quick attach system. This snow blower will be capable of handling all types of snow, including wet, heavy snow to hard packed frozen snow. The unit will be capable of arduous duty for prolonged periods of time, without deformation and/or failure of components in ambient temperature down to minus forty degrees F. (-40F). It shall be of sturdy construction and shall be complete in every detail, mounted by Vendor and ready for operation.

Failure to comply with these specifications shall disqualify a bid.

Vendor shall inspect wheel loader quick attach system to ensure blower compatibility. Inspection of the wheel loader will only be allowed on September 16, 2010 from 2:00 p.m. until 3:00 p.m. The machine is located at 15100 South 84th Street, Papillion, NE 68046.

Payment for Snow Blower shall not be made until Sarpy County Fleet Services and the Sarpy County Highway Department have completely tested the unit. Testing period is not to exceed forty-five (45) days after delivery to Sarpy County.

No prototype Snow Blowers will be accepted. A minimum of one hundred (100) identical Snow Blowers of this type shall be in operation within the U.S.A.

1. Company Information:

Vendor will provide the following company information on bid form:

1. Years in business
2. Number of employees
3. Total sales for last three (3) years

2. References:

Each Vendor must include with its proposal a list of no less than three (3) references that have purchased the specified product or service within the last two (2) years. The list must include the name of the company, the name and phone number of a contact person for each company.

3. Literature:

Vendor shall attach three (3) sets of detailed specifications or advertising literature of systems to the bid form. A set of detailed specifications or advertising literature with cuts or photographs shall be furnished with the quotation on the identical snow blower to be furnished. ANY INFORMATION NECESSARY TO SHOW COMPLIANCE WITH

YES/NO

Contractor: NMC

THESE REQUIREMENTS NOT GIVEN ON THE ATTACHED ADVERTISING DATA SHEETS SHALL BE SUPPLIED IN WRITING AND ATTACHED TO THE BID PROPOSAL. Lack of sufficient information supplied with a proposal is cause for automatic rejection of a bid.

4. Deviations:

Once the bid has been accepted by Sarpy County, no deviations from the specifications will be accepted without prior written approval of Sarpy County.

5. Exceptions:

The above specifications are minimum acceptable specifications. You may bid other than what is specified, if it is of higher specification than what is requested. Vendor must list all exceptions to the bid specifications on the bid form page. Indicate acceptance or exception by marking YES/NO for each specification listed. Any unmarked YES/NO line will be noted as "exception to the specification".

6. Warranty:

A copy of all manufacturer's warranties shall be included in Vendor's proposal.

7. Delivery:

Vendor to provide delivery date to Sarpy County with its bid.

Technical Specifications

Any reference to brand names and/or number in the Specification is intended to be descriptive, but not restrictive, unless otherwise specified. Other brands, of approved equal quality, may be considered for award. In the event of substitution, your proposal must clearly describe the article and the proposal must state the brand name and product number of the substitution offered. The determination of the Sarpy County Purchasing Office, in consultation with the ordering office(s), shall be final and conclusive in determining the equality of alternates.

YES/NO

1. General Requirement

X / _____ A. The following requirements are for one self contained snow blower, designed to be installed on a wheel loader with quick attach system compatible with the loader. The Sarpy County loader is a 2002 Caterpillar model 996G with Balderson Quick Hitch system.

X / _____ B. This snow blower will be capable of handling all types of snow, including wet, heavy snow to hard packed frozen snow. The unit will be capable of

YES/NO

Contractor: NMC

arduous duty for prolonged periods of time, without deformation and/or failure of components in ambient temperature down to minus forty degrees F. (-40F)

2. General Data

- X / ___ A. Snow Removal Capacity: 1500 to 1800 tons per hour, minimum (capacity dependent on the snow density.)
- X / ___ B. Snow Casting Distance: 175 feet (dependent on snow density).
- X / ___ C. Weight of Complete Unit: 7,800 pounds (approximate) less hitch.
- X / ___ D. Completely Self-contained.
- X / ___ E. Two-Stage Design with feed augers.
- X / ___ F. Hydraulic adjustable truck loading chute.

3. Dimensions (Approximately)

- X / ___ A. Cutting Width ----- 116 inches
- X / ___ B. Cutting Height – Working Height ----- 48 inches
- X / ___ C. Cutter Bars Height (Approx.) ----- 78 inches
- X / ___ D. Overall Height (Chute Retracted) (Approx.) ----- 122 inches
- X / ___ E. Overall Height (Chute Up) (Approx.) ----- 140 inches
- X / ___ F. Overall Length Front to Back (Approx.) ----- 80 inches

4. Frame

- X / ___ A. Fully Welded Construction
- X / ___ B. Main frame and support members shall be constructed from hot rolled steel plate and heavy structural tubing, angle, channel and flat bars.
- X / ___ C. Rear frame easily adaptable to various types of hitches for mounting on front end loaders.

YES/NO

Contractor: NMC

- X / D. The frame shall be designed to allow the optimal distribution of the effort of the front of the blower to the quick coupler.

5. Scraper Blade, Wear Shoes and Plates

- X / A. Scraper blades, shoes and plates shall be replaceable high carbon steel type.
- X / B. Wear shoes and plates shall be adjustable.
- X / C. Wear shoes and plates shall have a minimum of 292 square inches of wear surface.

6. Augers

- X / A. Augers shall be full flight - welded one piece type.
- X / B. The augers shall be fabricated from steel and continually welded on a steel tube wall.
- X / C. All augers shall be supported by ball bearings.
- X / D. Auger drive shall be shear pin(s) protected.
- X / E. Auger drive shall have a flexible coupling to protect against shock loads.
- X / F. A rubber deflector shall be bolted on the blower frame over the top auger.

7. Impeller

- X / A. Impeller shall constructed of a minimum 1/4 inch heavy-duty steel weldment – 38 inches diameter.
- X / B. Impeller blades shall be heavy duty steel alloy bolt on replaceable type.
- X / C. Impeller casing shall be heavy duty constructed from a minimum of 3/16 inch hot rolled steel plate.
- X / D. Impeller casing throat depth shall be a minimum of 14 inches.
- X / E. Impeller casing shall rotate through an arc a minimum of 130° - rotation shall be hydraulically operated with controls from the cab of the loader.
- X / F. Impeller drive shall be shear pin protected with two shear pins. Easy

YES/NO

Contractor: NMC

access for operator to field replace shear pins shall be provided.

8. Turret Loading and Casting Chute

- / A. Snow can be directed to either side of the rotary unit for casting without going through turret loading chute or snow can be directed through turret loading chute.
- / B. Turret loading chute shall be a three section design – turntable and telescoping type.
- / C. Each section shall be of welded construction of 3/16 inch hot rolled steel plate and/or 12gauge hot rolled steel sheet.
- / D. Each section shall be approximately 16 inches minimum width.
- / E. Each section shall be structurally reinforced with heavy steel supports.
- / F. Turret system shall be hydraulically rotated – Minimum horizontal rotation arc of 240 degrees with 120 degrees to either side of straight forward.
- / G. Hydraulic double acting lift cylinder shall raise second section to any desired height.
- / H. Hydraulic double acting tip control cylinder shall allow variable degree of deflection on third section for proper position for loading trucks or exact placement of snow stream.

9. Clutch

- / A. Clutch shall be a minimum of 11 inches.
- / B. Clutch shall be twin disc, double plate over the center type.
- / C. Clutch will be hydraulically operated with control from the cab of the loader.
- / D. Clutch control will have appropriate safety locks preventing the engagement of the clutch
- / E. Clutch control will advise the operator through an audible, lighted and text alarm when clutch is not properly engaged.
- / F. Clutch control will prevent engine start up when clutch is engaged.

YES/NO

Contractor: NMC

10. Power Train, Transmission and Associated Components

- / A. Power provided to auger and impeller shall be provided through roller chains, right angle gear case and drive shafts - all rated for required horsepower.
- / B. Gear Case shall be cast iron construction – Machine to tolerance.
- / C. Shafts, gears, sprockets and bearing shall be designed from alloy steel heated treated.
- / D. Bearing for all shafts and rotating parts journaled in oversized ball or roller bearings.
- / E. All components shall be lubricated by oil baths.
- / F. Oil baths shall have oil level gauges.
- / G. Chain transmission with HYVO chain running in oil bath.
- / H. Provide chain idler(s) – adjustable chain idler for proper tension of auger drive chain.
- / I. Provide separate shear bolt(s) protection of auger and impeller.
- / J. Shear bolt located in easily accessible locations.

11. Engine

- / A. Engine shall meet Tier III emission requirements or current emission requirements.
- / B. Minimum cubic inch displacement of 440 cubic inches.
- / C. Number of cylinders: six
- / D. Minimum horse power of 250 HP.
- / E. Minimum torque of 832 foot pounds @ 1400 RPM.
- / F. Injection system with electronic engine controls.

YES/NO

Contractor: NMC

- X / G. Two Stage dry type air filters with air restriction gauge.
- X / H. Low oil pressure and high coolant automatic shut down system.
- X / I. Heavy duty Radiator System that meet engine manufacturer requirements
– Cooling fan to be automatic variable speed type adjusting to cooling needs.
- X / J. Radiator with deaeration system with tank and sight glass.
- X / K. Coolant to be all season extended life permanent anti-freeze to minus forty (40) degrees Fahrenheit.
- X / L. Engine coolant filter per engine manufacturer requirements.
- X / M. Engine block heater (Phillips 120 volt, 1500 watt.) or Equal
- X / N. Engine oil drain plug magnetic.
- X / O. Spin-on type oil filter(s).
- X / P. Muffler to be residential type with protective shielding.

State brand, make, model of engine specified:

Brand/Make Caterpillar

Model C-7 ACERT

H.P. 275 HP

Peak Torque 1257 ft/lbs @ 1400 rpm

Displacement (C.I.D.) 442 cubic inches

12. Fuel System

- X / A. Fuel tank – 50 Gallon Minimum
- X / B. Electro-mechanical fuel gauge mounted on tank.
- X / C. Primary heated water separator - diesel filter with replaceable element.
- X / D. Secondary diesel filter with replaceable filter.

YES/NO

Contractor: NMC

13. Engine Enclosure

- / A. Weather proof engine enclosure.
- / B. Removable doors or tilt design for maximum access to engine.
- / C. Door or tilt design to have safety hook to secure in the open position.

14. Electrical System

- / A. Two Maintenance Free Batteries – Group 31 - 1800 CCA Minimum.
- / B. 12 volt - Negative ground system.
- / C. 12 volt starter.
- / D. 115 Amp minimum alternator
- / E. Master battery disconnect switch
- / F. All electrical components in weather proof enclosure.
- / G. Circuit breaker protection – all circuits
- / H. All wiring in special low temperature loom or cable.
- / I. All wiring - color coded and continuously numbered. multiplex wiring system.
- / J. All circuit breaker and relays identified with labels.
- / K. Quick disconnect provided at instrument panel.
- / L. Minimum of four work lights/ head lights – two on the sides of the discharge chute – two on the front top facing forward.

15. Hydraulic System

YES/NO

Contractor: NMC

- X / A. Completely self contained.
- X / B. Hydraulic pump – direct mounted to the engine – no belts.
- X / C. Full flow solenoid hydraulic valves - five sections.
- X / D. Flow control valves to regulate movement to adapt to environmental conditions.
- X / E. Minimum 3 gallon hydraulic reservoir.
- X / F. System designed to operate at temperatures of minus 40 degrees.
- X / G. Hydraulic hoses shall meet SAE 100R2 type with JIC fittings.
- X / H. Full flow ten micron hydraulic filter.
- X / I. All controls mount in cab of wheel loader for complete operation.
- X / J. All electric wiring protected by heavy duty wiring loom or cable.

16. Instrumentation and Control System

1) Instrumentation:

- X / A. Two instrument panels - one mounted in cab of wheel loader. – one mounted on the engine panel.
- X / B. Lighted tachometer
- X / C. Lighted oil pressure gauge with visual and audible low oil pressure alarm.
- X / D. Lighted coolant temperature gauge with visual and audible coolant overheat alarm.
- X / E. Lighted voltmeter gauge.
- X / F. Light hour meter – engine panel only.
- X / G. Light fuel level gauge – loader cab panel only.
- X / H. Stop engine warning light.
- X / I. Check engine warning light.

YES/NO

Contractor: NMC

- / J. Low coolant level - visual and audible alarm.
- / K. Warning light and audible alarm for clutch malfunction.
- / L. Low fuel level warning light.
- / M. Diagnostic display.

2) Control Panel:

- / A. Key starter/ignition switch – with restart protection when engine is running.
- / B. Throttle control.
- / C. Clutch control switch with automatic clutch function protection/safety.
- / D. Emergency stop control – one in wheel loader cab – one on snow blower.
- / E. Low oil pressure and high coolant automatic shut down system.
- / F. Impeller housing rotation switch/joystick control.
- / G. Chute position(s) switches/joystick controls – rotation, deflection, extension.
- / H. Working lights indicator with switch(s)

17. Paint

- / A. All metal surfaces shall be properly prepared for painting to insure removal of surface rust, welding slag, soot, dirt, grease or wax.
- / B. Prior to assembly of the unit, all components are to be individual cleaned with iron phosphate treatment.
- / C. Standard factory paint with one (1) coat of rust proof primer and two (2) coats of multi-component urethane paint is required. Paint and Primer shall be of highest quality available.

18. Shop and Parts Manuals

- / A. Two (2) Operator Manuals or CD ROM.
- / B. One (1) Shop Repair Manual or CD ROM.

YES/NO

Contractor: NMC

- X / ___ C. One (1) Parts Manual or CD ROM.
- X / ___ D. Provide information on training/repair/service available for equipment specified.

19. Warranty

- X / ___ A. Regular manufacturers standard warranty, manufacturers statement of origin and complete pre-delivery inspection certificates required with snow blower at delivery.
- X / ___ B. The manufacturers standard warranty shall be stated in the bid.
- X / ___ C. Manufacturer's component written warranty including engine, transmission and gear boxes must accompany delivery.
- X / ___ D. All warranty work shall be performed within State of Nebraska and within sixty (60) miles of Sarpy County Fleet Shop at 15100 So. 84th Street, Papillion, NE 68046.

20. Service

- X / ___ A. Pre-delivery service will be performed by the dealer. Factory pre-delivery will not be accepted.

19. Training

- X / ___ A. Information on factory schools/training to be provided to Sarpy County Fleet Services within six (6) months of purchase of unit. Vendor/Manufacturer must supply letter that manufacturer training of Sarpy County Fleet Service Technicians is available and any charges to Sarpy County for training.

EXCEPTIONS/CLARIFICATIONS/COMMENTS

1. 2750 TPH
2. 9500 pounds
3. 55" Working Height
4. HP 275 - 1257 foot pounds @ 1400 rpm
5. 85 gallon fuel capacity
6. 2250 CCA minimum
7. Hydraulic reservoir 2.4 gallons
8. _____
9. _____
10. _____

* RPM Tech/NMC has had discussions that using the 966G loader, in a blower application, requires adequate resistance and weight when used in large drifts. It is from this, the operator can understand and gauge the amount of snow ingested, and the speed the loader can travel, so there is no unnecessary damage to the snow blower. Therefore, RPM Tech/NMC bids the bids the LM220 model that meets or exceeds the attached specifications.

COMPANY NAME: NMC

**Sarpy County, Nebraska
One (1) New Detachable Industrial Snow Blower
Bid Form**

Company Name: NMC

Make: RPM TECH Model: LM220

Year: 2010

The undersigned, having carefully examined the specifications and other contract documents for furnishing One (1) - New Detachable Industrial Snow Blower, for Highway Department use, hereby propose to furnish equipment as specified for a cost as follows:

UNIT PRICE: \$ 127,500.00

***Prices are to be F.O.B. - 15100 South 84th Street, Papillion, NE 68046**

DELIVERY DATE: 30 day ROCE

Company Information:

Years in business: 64

of employees 600

Total sales last 3 years \$600 million

References:

Company Name: S D DOT

Address: Aberdeen, SD

Contact Name: Jerry Maier Phone Number: 605-380-8997

Fax Number: _____ Date of Purchase: 2009 - LM220

* this company operates over 24 RPM TECH blowers

Company Name: City of Bellevue

Address: Bellvue, NE

Contact Name: Bobby Riggs Phone Number: 402-637-5013

Fax Number: _____ Date of Purchase: 2009

Company Name: Saline County

Address: Wilber, NE

Contact Name: Bruce Filipi Phone Number: 402-826-9394

Fax Number: _____ Date of Purchase: 2009

I certify that this bid is submitted in accordance with the specifications issued by Sarpy County.

I acknowledge receipt of the following addenda (if applicable):

Addendum #1 received
Addendum #2 _____

**Attachments: Literature/Cut-sheets
Warranty Information**

NMC
Company Name

Ivan Rogers
Authorized Signature

11002 Sapp Brothers Drive
Address

Omaha, NE 68138
City, State & Zip

Ivan Rogers
Company Representative (Please print)

402-891-7634
Telephone Number

402-891-7724
Fax Number

ivanrogers@nebraska-machinery.com
E-Mail Address

***NOTE: Sarpy County is tax exempt and will provide the proper form upon request.**