



# UNIVERSITY OF MASSACHUSETTS-AMHERST

Procurement Department  
407 Goodell Bldg., 140 Hicks Way  
Amherst, MA 01003-9334

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email: [procurement@admin.umass.edu](mailto:procurement@admin.umass.edu) Web Page: [www.umass.edu/procurement](http://www.umass.edu/procurement)

(THIS IS NOT AN ORDER)

## REQUEST FOR BID # AA10-RH-3483

		RFB Opening Date & Time: <b>August 27, 2009 @ 1:00 PM</b>	
		Requested by: Carol Thurlow / Tom Fydenkevez Department: Physical Plant Phone: 413-545-0363 Date Prepared: 8/12/2009	
	Description	Unit Price	Total Price
	<b>BIDS ARE REQUESTED TO PROVIDE ONE (1) ENGINE-DRIVEN COMPRESSOR PER THE ATTACHED SPECIFICATIONS OR APPROVED EQUAL FOR THE BID OPENING ON AUGUST 27, 2009 @ 1:00 P.M.</b>		
	<b>LEAD TIME AFTER RECEIPT OF ORDER: _____</b>		
	<b>TOTAL BID PRICE &gt;&gt;&gt;&gt;&gt;&gt;</b>		

PLEASE DIRECT ANY QUESTIONS REGARDING THIS RFB TO: ROSEMARY A. HASSAY @ [procurement@admin.umass.edu](mailto:procurement@admin.umass.edu)

### IMPORTANT INFORMATION

- It is the bidder's responsibility to insure that their bid is received in its entirety by the University of Massachusetts, Procurement Department, 407 Goodell Building, 140 Hicks Way, Amherst, MA 01003-9334 by 1:00 PM on the bid opening date specified above. Bids received after the specified date/time or at a location other than what is listed in the RFB will be rejected and placed unopened in the bid file.
- Bids may be faxed provided that they are followed up by a hard copy with written signature within 5 days of the bid date. All faxed bids must be received by the Procurement fax by the date and time of the bid above. **No electronic bids will be accepted.**
- All prices are FOB Destination, delivery free of all charges to: University of Massachusetts Amherst at a location specified on a purchase order.
- **Bidders must list their Taxpayer's Identification Number here:** \_\_\_\_\_
- Bid may not be materially altered after the bids have been opened. Only the Director of Procurement can determine what a material alteration is.
- All prices must be submitted on a Net Basis. Unit price shall prevail in case of mathematical error. Payment 30 days.
- Bids on items that differ from specifications will be rejected at the discretion of the Director of Procurement. Proprietary names are quoted for informational purposes only and are not meant to limit competition. The right is reserved to accept the bid deemed best for the University.
- Exceptions to any terms and conditions contained herein or in the bid specifications, must be noted by bidder in bid. The Director of Procurement reserves the right to reject any bid that does not conform to the specifications.

Vendor Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Telephone: \_\_\_\_\_ FAX: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Name of Person Submitting Bid: \_\_\_\_\_

Authorized Signature: \_\_\_\_\_

R# 68256



**University of Massachusetts Amherst  
Department of Procurement  
Request for Bids:**

**Engine-Driven Compressor  
per the attached specifications or approved equal**

**RFB# AA10-RH-3483**

**Bid Opening Date – August 27, 2009 @ 1:00 p.m.**

The Central Heating Plant at the University of Massachusetts Amherst is seeking bids to provide an engine-driven compressor converted to propane power to be used as an emergency backup if power is lost to the presently installed duplex 15 HP Champion BPL15A pressure lube compressor systems with two (2) MTA DEG0075 dryers and two (2) receivers. The duplex system supplies instrument air to pressure reducing valves at the Steam and Condensate Building, which is remotely located from the Central Heating Plant. The engine driven compressor should be rated for 59 CFM at 175 PSIG.

In addition to the propane fueled engine driven compressor, the following additional components are required:

1. Desiccant Air Dryer
2. Air Line Filter (for installation upstream of the oil removal filter).
3. Oil Removal Filter (for installation upstream of the desiccant dryer).
4. Heatless Desiccant Dryer After Filter (for installation downstream of the desiccant dryer).

**Compressor Specifications:**

1. Supply air specifications 59 CFM @ 175 PSIG
2. Gardner Denver engine driven, receiver-mounted, two-stage reciprocating air compressor – Model BGR15W or an approved equal.
3. Wisconsin 35 HP engine (converted for propane use) W4-1770 or an approved equal.
4. Splash Lubricated compressor with inlet filter / silencer(s).
5. 910 RPM compressors pump speed at 175 psig rating.
6. Tapered roller bearings.
7. Individually removable/rebuildable valves.
8. Integral aluminum cylinder/head with cast iron cylinder sleeves and valve retainers.
9. Gasketless design eliminates possibility of blown head gaskets for leak-free operation.
10. Centrifugal unloader for loadless starts.
11. Head unloaders with pneumatic throttle.
12. Electric engine starter.
13. Five (5) gallon receiver.
14. 35 HP engine (converted for propane use).
15. Battery box & cables.
16. Trickle charger for battery.
17. Totally enclosed belt guard for operational safety.
18. Minimum five (5) year compressor pump warranty
19. Mounted on formed steel sub-base with safety valve, gauge and hand-operated discharge valve.
20. 1" Pressure regulator valve.
21. Four (4) vibration isolation pads.

### **Desiccant Air Dryer Specifications:**

1. Rated Capacity: 60 scfm @ -40 degrees pressure dewpoint on the following conditions:
  - 100 degrees F inlet air temperature
  - 100 psig compressed air pressure at inlet to dryer
  - 100 degrees F ambient air temperature
2. Vessels to be built and stamped in accordance with ASME Code, Section VIII, Division 1. The vessels are rated for 150 PSIG at 450 deg. F. with 1/16" corrosion allowance as standard.
3. The dryer is to be supplied completely assembled, piped and wired. Dryer must be performance tested prior to delivery and be ready for start-up after utility connections are made.
4. Valves need to be Accushift shuttle style switching valves with a 5-year warranty.

### **Air Line Filter Specifications:**

1. One (1) each Air Line Filter to handle 100 CFM @ 100 PSIG complete with internal drain, differential pressure gauge and liquid level indicator for the removal of liquid water and oil; removes solid particles to 1 micron. Inlet and outlet connections are 1" NPT.

### **Oil Removal Filter Specifications:**

1. One (1) each High Efficiency Oil Removal Filter to handle 100 CFM @ 100 PSIG complete with internal drain, differential pressure gauge liquid level indicator to produce a filtration efficiency of 99.99+% with the removal of particles as small as 0.01 micron. Inlet and outlet connections are 1" NPT.

### **Heatless Desiccant Dryer After-Filter Specifications:**

1. One (1) Heatless Desiccant Dryer After-Filter to handle 100 CFM @ 100 PSIG with differential pressure gauge to remove solid particles resulting from desiccant dust to 1 micron. Inlet and outlet connections are 1" NPT.

**Prices must include delivery to the University of Massachusetts, Amherst, MA. within 60 days of award of the project.**

All warranty information and operating instructions and manuals must be included.

FOB: Destination, Amherst, MA

Deliver to:

University of Massachusetts  
Attn: Tom Fydenkevez  
Central Heating Plant  
200 Mullins Way  
Amherst, MA 01003  
Phone: (413) 545-3231

**Special Note: If you are submitting a bid on an “approved equal” all technical information, specifications and warranty information on the product must be included within the bid response. Failure to include this information may disqualify the bid.**

The University is not responsible for any expenses that may be incurred by any bidder to prepare or submit bids.

All responses to this bid shall be made on the following **Bid Response Sheet** or an exact facsimile thereof. Responses on a form which significantly deviates from the stated response parameters will not be reviewed and may be grounds for disqualification at the University’s sole discretion.

Each bidder is solely responsible for the accuracy and completeness of its bid. Errors or omissions may be grounds for rejection, or may be interpreted in favor of the University. The University will not increase the purchase order to the successful vendor for omissions or oversights not due to the fault of the University or its agents. All changes must be approved in writing.

The successful bidder will be required to provide original signed W-9 form to the University if they are not already a recognized University vendor. A copy of this form can be accessed at: [www.umass.edu/procurement](http://www.umass.edu/procurement) - Click on “Forms” – Click on “University of Massachusetts Substitute W-9 Form”.

Bidders shall deliver **two (2) copies** of their bid response to the following address by Thursday, August 27, 2009 at 1:00pm, at which time the bids will be opened and publicly read. Bids shall be clearly marked and addressed to:

University of Massachusetts  
Procurement Department  
407 Goodell Bldg. ~ 140 Hicks Way  
Amherst, MA 01003  
Fax 413-545-1643  
**Attention: RFB AA10-RH-3483**

It is the sole responsibility of the bidder to insure that its bid is delivered to the Procurement Department in its entirety by the due date and time. Late bids will not be considered, and will be placed, unopened, in the bid file. Faxed bids will be accepted, provided the original is received within 5 working days after bid deadline submission date.

All questions from prospective vendors regarding this Request for Bid shall be referred to the Purchasing Manager in the Procurement Department by email or fax only, by Wednesday, August 19, 2009 at 2:00 PM. No telephone calls will be entertained. Inquiries received after the specified date and time will not be accepted. The University will E-Mail its response to all questions to all bidders of record by formal addendum by Thursday, August 20, 2009 and post the questions and response on the Procurement Web-Site at: [www.umass.edu/procurement/openbids](http://www.umass.edu/procurement/openbids). The contact information for this individual is:

University of Massachusetts Amherst  
Rosemary A. Hassay, Purchasing Manager  
Fax: (413) 545-1643  
Email: [procurement@admin.umass.edu](mailto:procurement@admin.umass.edu)

The University will extend the due date by written addendum if such information significantly amends this request for bid or makes compliance with the original proposed due date impractical.

The University of Massachusetts is an Affirmative Action, Equal Opportunity Employer.

**University of Massachusetts Amherst**

**Bid Response Sheet**

**RFB# AA10-RH-3483 - Engine-Driven Compressor**

**per the attached specifications or approved equal**

**Bid Opening Date: August 27, 2009**

All responses to this bid shall be made on this Bid Response sheet or an exact facsimile thereof. Responses in a form which significantly deviate from the stated response parameters will not be reviewed and may be grounds for disqualification by the University.

<b>Quantity</b>	<b>Unit of Measure</b>	<b>Description</b>	<b>Unit Price</b>	<b>Total Price</b>
1	each	Engine-Driven Compressor		
1	each	Desiccant Air Dryer		
1	each	Air Line Filter		
1	each	Oil Remover Filer		
1	each	Heatless Desiccant Dryer After Filter		
<b>Total Bid Price</b>				

**Delivery lead-time after receipt of order:** \_\_\_\_\_

**Vendor Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_ **City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **ZIP:** \_\_\_\_\_

**Telephone:** \_\_\_\_\_ **FAX:** \_\_\_\_\_ **E-Mail Address:** \_\_\_\_\_

**Name of Person Submitting Bid:** \_\_\_\_\_

**Authorized Signature:** \_\_\_\_\_