



STATE OF LOUISIANA
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
TECHNICAL SPECIFICATIONS FOR

PORTABLE AIR COMPRESSOR, TRAILER MOUNTED, 185 CFM

SERIES NO. 200-000

REV. 4/21/2022

EQUIPMENT SPECIFICATION 200-000A

GENERAL

This specification sets forth the minimum requirements for a portable trailer mounted air compressor with a minimum output of 185 cfm.

Equipment shall be new, a production model of current manufacture, and must meet all state and Federal safety and emission standards in effect at time of order.

REPRESENTATIVE SPECIFICATIONS

A Doosan, Model XP185-VHP165 FlexAir, with appropriate options and standard features, was used to develop these specifications and establish equivalency evaluation criteria.

Equipment of similar style, type, character, quality, features, and purpose conforming to the following detailed requirements/specifications will be considered. For evaluation purposes, bidder's proposing an exception/equivalent option/feature to those specified herein, may be required to provide manufacturer/product information (catalogue sheets, detailed specifications, pictures, etc.). This information will be evaluated against the minimum requirements of this specification. Proposed submittals that are determined not to be equivalent to the established criteria will be rejected.

LOUISIANA AUTHORIZED DEALER(S)

Proposed item(s) must be from a manufacturer who has at least one (1) authorized dealer within the State of Louisiana where parts and service can be obtained. Authorized dealer(s) must have properly trained technicians plus all other resources necessary to perform warranty and repair services in complete accordance with the manufacturer's requirements. A letter certifying the ability to meet this requirement, inclusive of the company name(s) and address(es) of the Louisiana authorized dealer(s), should be supplied with the bid submittal and may be required prior to award.

DELIVERY & ACCEPTANCE

Vendor shall perform a test run of each unit to verify that all features and capabilities are operating properly at time of delivery. Documentation of testing may be required prior to acceptance by the Department.

Unit(s) must be delivered completely assembled (including all components, accessories, etc.) and ready for operation without any additional preparation including, but not limited to, ensuring all fluid levels are at their full mark, fuel tank(s) is full, all necessary lubrication has been performed, etc.

Any unit delivered under this specification is subject to rejection if there is evidence of poor workmanship, by either the vendor or the original manufacturer. Noted defects and/or nonconformance findings may be corrected by the vendor. Corrections must be completed and approved by the Equipment Engineer or his representative prior to final acceptance.

Unit(s) shall be delivered "**on the ground**;" DOTD will not unload nor provide any unloading equipment to the vendor/delivery driver in order to offload the unit(s).

NOTE: The Department will have space available for equipment to be unloaded.

EACH UNIT MUST BE SUPPLIED WITH THE FOLLOWING DOCUMENTATION:

1. Dealer's Service Policy
2. Owner's/Operator's Manual(s)
 - a. One (1) Hardcopy
 - b. One (1) Digital Copy
 - i. Acceptable Formats: CD, DVD, Flash Drive, or E-mail
3. Service Manual(s)
 - a. One (1) Hardcopy
 - b. One (1) Digital Copy
 - i. Acceptable Formats: CD, DVD, Flash Drive, or E-mail
4. Build Sheet(s) – as applicable
 - a. One (1) Hardcopy
 - b. Build sheets should be writing in plain language (not company specific codes) and include, at a minimum, all standard & optional features of the delivered unit.

NOTE: Invoices will not be processed for payment until the unit(s) have been inspected by the Equipment Engineer or their representative and deemed in compliance with the specifications.

BID SUBMITTALS

Any additions, deletions, or variations from the specifications should be noted in the "Bidder's Exceptions" page of this specification. Exceptions that are noted to be less than a minimum requirement will not be accepted.

Any additions, deletions or variations from the manufacturer's standard published specifications should be noted on the "Bidder's Exceptions" page of this specification. Unless otherwise noted, any items appearing in the manufacturer's standard published specifications furnished by the Bidder are assumed to be included in the Bidder's submittal.

Bidder should note on their submittal any installation(s) to the equipment that will be performed by the vendor instead of the manufacturer.

Failure to note any specification exceptions, manufacturer specification alterations, and/or vendor installations prior to award may result in rejection of the equipment at the time of delivery.

THE NUMBER OF DELIVERY DAYS AFTER RECEIPT OF ORDER (ARO) MAY BE USED AS A FACTOR IN THE AWARD.

EQUIPMENT SPECIFICATIONS

NOTICE TO BIDDERS

Bidder should review the detailed "Equipment Specification" completely and respond to the compliance question at the end of each section by marking "X", in the space provided, for "Yes" or "No". Mark "Yes" to indicate that the equipment bid meets the section exactly as specified. Mark "No" if there are exceptions to any part of that section. Exceptions/deviations to any part of the specification are to be detailed on the "Bidder's Exceptions" page of this specification.

IN ORDER TO BE CONSIDERED FOR AWARD, BIDDER SHOULD RETURN THIS SPECIFICATION, COMPLETED IN FULL, WITH THEIR BID SUBMITTAL.

Note: All Values listed below are minimums unless noted otherwise.

1. Air Compressor

1.1. Self-contained, portable, heavy duty fully enclosed, with a 4kW onboard generator

1.1.1. Compressor

1.1.1.1. Single stage rotary screw

1.1.1.2. Capable of delivering 185 CFM of free air at 125 PSIG for 100% of duty cycle

1.1.2. Service valves : Two (2), 3/4" NPT outlets

1.1.3. Air receiver

1.1.3.1. Equipped with pressure gauge

1.1.3.2. Safety valve

1.1.3.3. ASME rating

Comply: ____Yes ____No

1.2. Engine

1.2.1. 130 CID (min.), liquid-cooled, 4 cylinder, diesel

1.2.2. 49 HP (min.)

1.2.3. 12V electric starter

1.2.3.1. Starter protection to prevent engagement while alternator is turning

1.2.4. Minimum hours of operation at full load: 10 hours

1.2.5. Battery: 12 Volts, 700 CCA

1.2.6. Fuel Tank: 25 gallons

1.2.7. Safety shutdowns to include switches for

1.2.7.1. Low engine oil

1.2.7.2. High engine coolant temperature

1.2.7.3. High compressor air temperature

1.2.7.4. Low fuel level

Comply: ____Yes ____No

1.3. Additional Features & Accessories

1.3.1. 4kW generator with 120V duplex outlets

EQUIPMENT SPECIFICATIONS

- 1.3.2. Air output pressure adjustment
- 1.3.3. Automatic and manual air blow-down valves to be factory installed
- 1.3.4. Instrumentation and gauges to include
 - 1.3.4.1. Air pressure gauge
 - 1.3.4.2. Hour meter
 - 1.3.4.3. Engine oil pressure
 - 1.3.4.4. Volt meter
 - 1.3.4.5. Engine coolant temperature
- 1.3.5. Two (2) hose reels each with $\frac{3}{4}$ " x 50' air hose with universal twist-claw (Chicago) couplings and hose anchors.

Comply: ____ Yes ____ No

2. Trailer

- 2.1. Tongue & Hitch
 - 2.1.1. Adjustable tongue stand
 - 2.1.2. Heavy duty, adjustable, pintle type hitch with corrosion resistant safety chains

Comply: ____ Yes ____ No

- 2.2. Complete electrical system
 - 2.2.1. Stop/turn/tail lights should be LED and must conform to the latest revised state and federal laws
 - 2.2.2. 6-way plug and socket (Echlin TC6206 and TC6208 or approved equivalent).

Comply: ____ Yes ____ No

- 2.3. Axle & Tires
 - 2.3.1. 3,500 lbs. capacity axle
 - 2.3.2. Anti-friction bearings with EZ lube fittings
 - 2.3.3. 15" wheels & tires, load range must meet or exceed axle capacity

Comply: ____ Yes ____ No

- 2.4. Miscellaneous
 - 2.4.1. Capable of being towed at 65 mph.
 - 2.4.2. Must include standard reflector package

Comply: ____ Yes ____ No

- 2.5. Paint: manufacturer's standard

