

PART III - TECHNICAL SPECIFICATIONS

HVAC Condenser Fan Motor

RFP CQ10181/FRV

1.0 GENERAL

1.1 REQUIREMENT: This specification covers the detailed requirements for the heating, ventilation, and air conditioning (HVAC) condenser fan motor needed as replacement for existing units on the ROHR 1000 series rail cars.

1.2 DESCRIPTION: The description and quantities of the required condenser fan motor are identified below:

Model: GE (Erie, PA) 5CD14C99A900007 or WMATA approved equivalent*.

WMATA stock number: R18-34-0004

Quantity: 250 each

Salient characteristics:**

Type: L182AT

0.6 HP

4000 RPM max

2.0 – 2.3 amp

325 Vdc

15 ohm in series

Series wound

H insulation

Continuous duty

Shaft 5" long 7/8" dia. Keyed

* Baldor Model 35P819Z581, Frame 182(Z) (I), Type 3535D is currently being 'Type Tested.'

** New motors or motors comprised of only new/'like new' parts are acceptable.

2.0 DELIVERY

The Contractor will deliver two condenser fan motors (with results from dynamometer load tests) for 'First Article Inspection' no later than 180 days after contract award. (See Special Provision 23 'First Article'.) WMATA will conduct a 'First Article Inspection' on each motor including a 'Type Test' to prove compatibility with the motors to be replaced.

All remaining two hundred forty eight (248) condenser fan motors will be delivered no later than 90 days after acceptance of the 'First Articles.' Dynamometer load tests will be conducted by the Contractor on each motor unless the Contractor can demonstrate to WMATA that testing of a sample quantity is sufficient based on past experience, reliability, and quality controls. Load test results will be provided by the Contractor with delivery of each tested motor.

The 'First Articles' will be delivered FOB Destination to WMATA Brentwood Rail Yard, 601 T St. NE, Washington DC 20018. The remaining condenser fan motors will be delivered FOB Destination to Metro Supply Facility, 8201 Ardwick-Ardmore Road, Landover, MD 20785. The Contractor will coordinate all deliveries with the Contracting Officer's Technical Representative (COTR).

The Contractor will package the condenser fan motors in a manner to provide for easy storage, protect against damage from handling and transportation, and provide ready identification by writing the make, model, and WMATA stock number on the packaging.

3.0 TECHNICAL DOCUMENTATION: An illustrated parts manual and technical documentation on the function, operation, installation, repair, and overhaul will be provided by the Contractor for the compressor motor. (10 copies)

4.0 WARRANTY: A two year warranty on parts and labor will be provided by the Contractor for each condenser fan motor.

5.0 SPARE PARTS: A recommended listing and pricing of spare parts in sufficient quantity to cover one year of routine and unscheduled maintenance of 250 condenser fan motors will be provided by the Contractor with the first delivery of motors to the Metro Supply Facility.