

NNA144495125Q-ATJ Questions and Answers

Question 1: The interface details for water cooling connection (size, location threaded connection or straight tube), the motor mounting (i.e. is it flange mounted or foot mounted or held by a fixture?)

- **Answer 1:** Water input and output shall use 3/8 in swage type fittings (See photographs). Motor requires no more than 4 gallons/minute water (provided from municipal supply tap). The motor shall be flange mounted at the output end with all other connections and encoder at the opposite end, see photographs.

Question 2: Can we get pictures of the existing motor?

- **Answer 2:** Pictures are provided in a separate attachment to this modification.

Question 3: What is the nameplate voltage, current and other data on the name plate?

- **Answer 3:** The motor is custom and has no "name plate" per se but general motor information is as follows: Motor is 6 pole, 3 phase induction type with Volts/Hz=0.9 and nominal current at rated power of 120 Amps.

Question 4: What are the volts per Hertz ratio?

- **Answer 4:** Motor shall have Volts/Hz ratio of 0.9

Question 5: Are you able to give the volts per hertz rating on the generator?

- **Answer 5:** The existing generator has variable output from 0.8 to 1.25 Volts/Hz

Question 6: Would NASA consider buying two new motors with the specified rating if the additional items listed above can be provided?

- **Answer 6:** Yes; however, based on market research, NASA believes the procurement and installation of two new motors would be cost and schedule prohibitive. Interested parties may submit any pertinent information as part of the capability statement. Quotes are not being solicited at this time.