Quote Request Checklist
Engine Radiators

In order to provide you with an accurate, timely and competitive quotation request for engine cooling equipment, we need as much information as possible about the application.

Following is a checklist that will help you gather the necessary information to allow us to provide a quotation. Once you have gathered this data, we recommend that you use our online quote request form at www.onsitepowerinc.com. Go to the supplier page for any of our cooling suppliers and the link is in the upper right corner. Our quote request form is fast and simple, and allows you to attach one document such as engine spec sheets, permit information, etc. If you need to send more than one document fax or email it.

If you prefer, feel free to send us a fax (303 374 2352) or email (dennis@onsitepowerinc.com), or call us at 303 690 8486. If you need advice and assistance, we are here to help.

You may choose to leave many of these items to the discretion of our supplier—if so, simply ask us to make a recommendation.

**Application/location Data—all data is required.**

- New installation or replacement?
- Coolant
  - Water
  - Ethylene glycol 50/50
  - Other
- Duty
  - Standby
  - Intermittent
  - Continuous
- Equipment
  - Generator
  - Pump
  - Other
- Stationary or mobile
- Altitude
- Maximum and minimum ambient temperatures expected
- Atmospheric conditions expected
  - Dust/dirt
  - Snow/cold
  - Hail
  - Wind, Max speed expected:
  - Oil field
  - Vibration
  - Salt air

    - Chemicals
- Sound limitations:  Max sound level, dbA preferred
    - Directional requirements if any
- Seismic zone
- Space limitations if any

**Configuration—specify or ask for a recommendation.**

- Location and orientation
    - On-engine or remote
    - If remote, horizontal or vertical
    - Will the radiator be open or enclosed?
- For engine mounted radiators
    - Fan on engine or on radiator
    - If on radiator, will you provide or we provide?
    - If you provide, we will need a performance curve for the fan you will be providing.
    - Direct drive or belt drive
        - If belt drive, required or acceptable drive ratio
- For remote radiators
    - Distance from engine to radiator both vertical and horizontal
    - Should we include fan and drive
        - If so, electric or hydraulic?
        - If electric, voltage, phase and frequency
        - If hydraulic, specify operating pressure of your system
    - If you are providing the fan, we need performance curve
    - Forced draft or induced draft
- Stacked core or side-by-side (multiple circuit only)
- Even pass (both inlet and outlet on same side) or odd pass (inlet and outlet on opposite sides)

**Engine Data—all data is required.**

- Cooling circuits required
    - Jacket water alone
    - Jacket water and separate intercooler or aftercooler
    - Other coolers to be included in the unit i.e. hydraulic fluid, fuel, etc.
- Engine
    - Manufacturer and model
    - BHP@RPM
    - Heat rejected to jacket water in btu/minute
    - Heat rejected to aftercooler or other cooling circuit
    - Percentage margin desired for fouling, etc.
    - Coolant flow for each circuit in GPM
    - If the radiator will be located in a common enclosure with the engine or generator, maximum heat radiated to atmosphere by the engine, exhaust system, generator etc.
    - Radiator maximum top tank temperature

    - Aftercooler or charge air cooler max temp in
    - Maximum external static pressure
    - Allowable pressure drop through the cores for each circuit
- Other equipment and accessories required
    - Galvanized structure
    - Low level switch
    - Surge tank  Size: _____
    - Solder-coated fins
    - Explosive atmosphere
    - Flanged connections
    - Fuel cooler
    - Belt guards
    - Flexible connectors
    - Export crating
    - Deaeration baffle