

EPG Cooling System Application Data Sheet

Date: _____

Please complete this data sheet and email or fax to your local Covrad GT representative for an immediate quotation.

NAME _____		COMPANY _____	
ADDRESS _____	CITY _____	STATE _____	ZIP _____
TELEPHONE _____	FAX _____	EMAIL _____	

ENGINE DATA

Engine Manufacturer: _____	Application: _____
Engine Model: _____	Duty Cycle: <input type="radio"/> Prime <input type="radio"/> Standby <input type="radio"/> Continuous
Engine Spec./Ref. Number: _____	
Engine bhp: _____ @ _____ RPM	Please include your Engine Data Sheet with this request.

COOLING SYSTEM CONFIGURATION

Engine Mounted Radiator, Fan on Engine (**E-Series**)
Please provide fan data for "Fan on Engine" configurations, including all fan curves.

Engine Mounted Radiator, Fan on Radiator (**F-Series**)
Allowable Fan Drive Ratio or Fan Speed: _____ Max. Fan HP Draw: _____ HP

Vertical Remote Radiator with an Electric Motor Driven Fan (**M-Series / B-Series**)

Horizontal Remote Radiator with an Electric Motor Driven Fan (**H-Series / HB-Series**)
Electric Motor Requirements: _____ Phase _____ Hertz _____ Voltage _____ Max. Allowable HP
EPG Standard Motor Specifications: (3 ph) (60 Hz) (208-230-460 VAC)

COOLING REQUIREMENTS

<p>Jacket Water Circuit</p> <p>Heat Rejection: _____ BTU/min</p> <p>Maximum <u>Top Tank</u> Temperature: _____ °F</p> <p>Coolant Flow Rate: _____ GPM</p> <p>Coolant Type: <input type="checkbox"/> Water _____ % EG _____ % PG</p> <p>Maximum Pressure Drop: _____ psi</p> <p><input type="radio"/> Cooler Only <input type="radio"/> Total System</p>	<p>After Cooler Circuit</p> <p>Heat Rejection: _____ BTU/min</p> <p>Maximum <u>Bottom Tank</u> Temperature: _____ °F</p> <p>Coolant Flow Rate: _____ GPM</p> <p>Coolant Type: <input type="checkbox"/> Water _____ % EG _____ % PG</p> <p>Maximum Pressure Drop: _____ psi</p> <p><input type="radio"/> Cooler Only <input type="radio"/> Total System</p>
<p>Air to Air Aftercooler / Charge Air Cooler / EPA Rated Aftercooler</p> <p>Heat Rejection: _____ BTU/min</p> <p>Maximum Intake Manifold Temperature: _____ °F</p> <p>Reference Ambient: _____ °F (Typically 77°F or 86°F)</p> <p>Reference Turbo Air Flow: _____ scfm _____ lb/min</p> <p>Turbo Outlet Pressure _____ psig _____ in Hg</p> <p>Maximum pressure drop: _____ psi _____ in Hg</p> <p><input type="radio"/> Cooler Only <input type="radio"/> Total System</p>	

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SITE CONDITIONS AND REQUIREMENTS

Maximum Ambient Air Temperature: _____ °F	Additional Preheat: _____ °F _____ BTU/min
Elevation: _____ feet above sea level	Enclosure <input type="radio"/> Sound Attenuating <input type="radio"/> Weather Resistant
Additional Fan Static Resistance: _____ in. H ₂ O static	Maximum Sound Level Requirement: _____ dBA @ _____ ft
Maximum Envelope Requirement: _____ in. x _____ in. x _____ in. (L x W x H)	<input type="checkbox"/> Dirty Environment (Bugs, Dust, Dirt, Debris)
<input type="checkbox"/> Salt Air or Corrosive Environment.	

MODULE ACCESSORIES & OPTIONS

<input type="checkbox"/> Wishbone	<input type="checkbox"/> Murphy Level SWITCHGAGE®	<input type="checkbox"/> Fuel Oil Cooler (FOC)
<input type="checkbox"/> Pipe Kit	<input type="checkbox"/> Surge Tank	<input type="checkbox"/> Corrosion Resistant Package
<input type="checkbox"/> Drive Kit <input type="checkbox"/> Stub Shaft	<input type="checkbox"/> Sight Glass	<input type="checkbox"/> Super-Duty Core (Mechanically Bonded Core)
<input type="checkbox"/> Motor Starter	<input type="checkbox"/> Variable Frequency Drive (VFD)	

Additional Requirements & Comments: _____