Essential Cooler Sizing Parameters

Please read carefully and complete the following. The items in **BOLD** are the minimum requirements to properly size a cooler for your application. Please fill out and e-mail the form to cad.accumulator@support.parker.com

Name		Company	
Title		Location	
Phone #		E-mail	

Required Heat Dissipation (hp)* _____ **Max Ambient Temperature (°F)** _____

Oil Flow Rate (gpm) _____ **Max Inlet Oil Temperature (°F)** _____

Oil Type and Viscosity _____

Max Oil Pressure Drop (psi) _____ Max Noise Decibel Level _____

Air Oil Coolers Only

Fan Motor (AC, DC, Hydraulic) _____
Include details on voltage, frequency, etc.

Options: Bypass (20/65psi) _____ Thermoswitch(100/120/140/160/175°F) _____

Water Oil Coolers Only

Water Type (ie. Water-Glycol) _____

Water Flow Rate (gpm) _____ **Max Inlet Water Temperature (°F)** _____

Max Water Pressure Drop (psi) _____

Special Requirements/Features _____
(ie. Explosion proof, Marine grade, Oil Filter, Air Filter, etc.)

* If Required Heat Dissipation is unknown then it can either be estimated by assuming 20-30% of the installed horsepower will be converted to heat load. However, the most accurate measure would be to calculate the heat load by recording the time the oil takes to get up to temperature with no cooler in the system. In order to calculate, the following info. is needed:

Initial Oil Temperature (°F) _____ Final Oil Temperature (°F) _____

Time Interval (minutes) _____ Total Oil Volume in System (gal) _____