



Indiana Heat Transfer Corp.

Cooling System Design Specification Sheet

FAX: 574-935-8200 - email: bharris@ihtc.net

Date

Application:				Customer:		
	(Loader, Fork Lift, Lawn Mower...)			Engineer:		
Environment:				Telephone:		
	(Clean, Dirty, Clogging Possibility)			Estimated Annual Volume	Number	
Envelope Size:	Side to Side:		Top to Bottom:		Front to Back:	
Allowable Deviations in Size:	" +/- "		" +/- "		" +/- "	
Describe Radiator Mounting						
Cooling System Components	Component	BTU/min Heat	Internal Flow	Max. Internal	Maximum	Maximum
(Provide a resistance v.s. airflow graph for each component if available)	Position in Air Flow	Rejection to Coolant	Rate or Mass Flow Rate	Pressure Drop	External Pressure Drop	Coolant Temperature
Fan						
Radiator						
Charge Air Cooler(After Cooler)						
Transmission Cooler(Air to Oil)						
Hydraulic Oil Cooler(Air to Oil)						
Engine Oil Cooler(Air to Oil)						
Air Conditioning Condenser						
Transmission Oil Cooler In-Tank						
**Please Supply A Fan Curve **	Diameter	Fan (Suction or Blower)	Manufacturer	Part Number	Engine to Fan Drive Ratio	Core Face to Fan Distance
Fan						
Fan Shroud	Type	Shroud Fan Hole Dia.	Fan Centered on Core	Off Center Dist. (side)	Off Center Distance (Top)	
Charge Air Cooler	(Type = Venturi, Ring, or Sharp Edge Box)					
	Inlet Outlet Diameter	Max. Internal Delta P	Compress Out Temperature	IMTD Temperature	Compressor Out Pressure	Target Manifold Temp
Engine Data	Manufacturer	Model No.	Horse Power	Application RPM	Maximum Top Tank Temp.	Deaeration Required
	Engine Coolant Capacity	Coolant Recovery Sy.	Heat Rej. To Ambient	Max. Coolant Press. Drop	Heat Rise Over Engine	Recirculation Heat Rises
Application Design Parameters	Maximum Ambient Air Temperature	Target Air to Boil Temperature	Elevation	Engine Size to Engine Compartment Ratio est.	Additional Resistance Factors	Radiator Operating Pressure
Any Additional Application Information, Describe Any Air Flow Obstructions or Restrictions.						