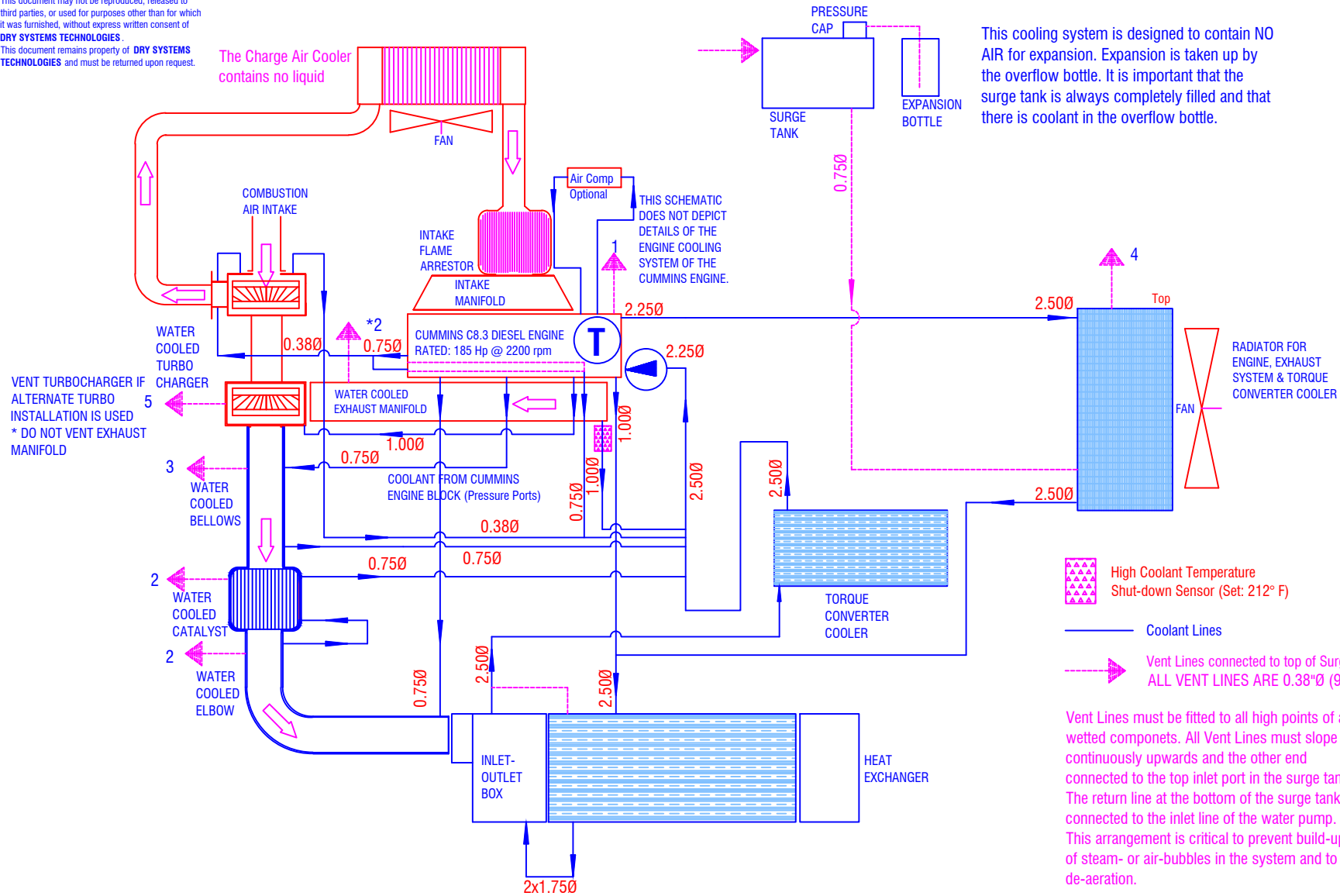


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The Charge Air Cooler contains no liquid



This cooling system is designed to contain NO AIR for expansion. Expansion is taken up by the overflow bottle. It is important that the surge tank is always completely filled and that there is coolant in the overflow bottle.

VENT TURBOCHARGER IF ALTERNATE TURBO INSTALLATION IS USED  
\* DO NOT VENT EXHAUST MANIFOLD

High Coolant Temperature Shut-down Sensor (Set: 212° F)

Coolant Lines

Vent Lines connected to top of Surge Tank  
ALL VENT LINES ARE 0.38"Ø (9.5 mm) INSIDE

Vent Lines must be fitted to all high points of all wetted componets. All Vent Lines must slope continuously upwards and the other end connected to the top inlet port in the surge tank. The return line at the bottom of the surge tank is connected to the inlet line of the water pump. This arrangement is critical to prevent build-up of steam- or air-bubbles in the system and to aid de-aeration.

DO NOT CHANGE WITHOUT PRIOR APPROVAL FROM MSHA

# 185 Hp Cummins 8.3 Turbo

<b>TOLERANCES</b> Linear unless noted Machined: ±0.005 Fabricated: ±0.01 Angular: ±1/2° Surface finish 125					<b>DRY SYSTEMS TECHNOLOGIES</b> 8102 LEMONT ROAD - Suite 700 WOODRIDGE, IL 60517 Phone: 630-427-2051 Fax: 630-427-1036 E-Mail: eng@drysystemstech.com	DESCRIPTION <b>COOLING SYSTEM</b>	NO. RECD <b>ONE</b>
	SCALE	DATE	DRAWN BY	APPROVED BY			
	FULL	4 Oct 05	R Gibbs				
	DRAWING TO						
	01	0309	RG	Add Alternate Turbo Note		<b>M250-008-01</b>	