

# RADIATOR PERFORMANCE DATA [2703507]

**AUGUST 07, 2020**

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**Component Performance Number:** DM9059

**Radiator Data**

**Radiator Part Number:** 2703507

**Radiator Type:** ASF56.0CV

**Front Area:** 55.97 ft<sup>2</sup>

**Radiator Dry Weight:** 6,686.6 lbs

**Radiator Wet Weight:** 7,319.3 lbs

**Radiator Water Capacity High Temp Circuit:** 71.0 gal

**Radiator Water Capacity Low Temp Circuit:** NA gal

**Center of Gravity (X):** 25.28 in (Distance from front face of core)

**Center of Gravity (Y):** 58.94 in (Distance from bottom of radiator support)

**Center of Gravity (Z):** 0.78 in (Distance from center line of core)

**Engine Data**

**Performance Number:** DM8266

**Sales Model:** 3516

**EKW:** 2500

**Rating:** STANDBY

**Speed:** 1800

**Settings:** NA

**AC Temp Deg F:** 122

**Combination Data**

**Pully Ratio:** 0.39

**Fan Power:** 130.07893 hp

Ambient Restrictions (1/2 inH2O)			Ambient Restrictions (3/4 inH2O)			Air Flow Restrictions (1/2 inH2O)		Air Flow Restrictions (3/4 inH2O)	
984	2460	4921	984	2460	4921	----- scfm -----			
Feet	Feet	Feet	Feet	Feet	Feet				
----- Max Ambient Pre-alarm Deg F -----						98881			94184
109	104	96	105	102	93				

No Graph data available...

**Reference**

**Number:** DM9059

No notes found...

**Parameters**

**Reference:** TM6016

RADIATOR CORE DATA

**CONDITIONS:**

CORE AIR FLOW RESISTANCE DATA IS FOR A FREE STANDING CORE ONLY. ADDITIONAL AIR FLOW RESISTANCE DUE TO SHROUDS, DUCTING, COOLERS AND ENGINE COMPONENTS MUST BE ADDED IN ORDER TO CALCULATE TOTAL SYSTEM PERFORMANCE.

CORE PERFORMANCE DATA IS BASED ON AN AIR DENSITY OF 1.20 KG/M3 (.075 LB/CU FT).

**AMBIENT CAPABILITY:**

THE AMBIENT CAPABILITY AND ALTITUDE CAPABILITY LISTED ON THIS PAGE REFLECTS THE THE CAPABILITY OF THE COOLING SYSTEM AT THE MAXIMUM GENERATOR SET RATING. THE AMBIENT AND ALTITUDE CAPABILITY MUST BE VERIFIED FOR THE ENGINE AND GENERATOR IN THE ENGINE PERFORMANCE SECTION OF TMI. NON-TIER 4 AMBIENT CAPABILITY CALCULATIONS ARE BASED ON A 50/50 GLYCOL COOLANT MIX AND 4°C (7°F) AIR TO CORE RISE. TIER 4 AMBIENT CAPABILITY CALCULATIONS ARE BASED ON A 50/50 GLYCOL COOLANT MIX AND 6°C (9°F) AIR TO CORE RISE. ASSUME 3°C ADDITIONAL AMBIENT CAPABILITY WITH TREATED WATER INSTEAD OF 50/50 GLYCOL AS COOLANT. THE CORE AIRFLOW VS CORE RESISTANCE CHARTS REPRESENT CORE ONLY DATA. ALL OTHER DATA IS FOR THE COMPLETE PACKAGE.

LAST UPDATED : 05/13/2010

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