

RADIATOR PERFORMANCE DATA

JUNE 24, 2013

Component Performance Number: DM7726

Radiator Data

Radiator Part Number: 2490311

Radiator Type: F60.0CTS

Front Area: 59.96 ft²

Radiator Dry Weight: 4,303.4 lbs

Radiator Wet Weight: 4,717.9 lbs

Radiator Water Capacity High Temp Circuit: NA gal **Settings:** NA

Radiator Water Capacity Low Temp Circuit: 49.0 gal **AC Temp Deg F:** 140

Center of Gravity (X): 19.79 in (Distance from front face of core)

Center of Gravity (Y): 44.58 in (Distance from bottom of radiator support)

Center of Gravity (Z): 0.50 in (Distance from center line of core)

Engine Data

Performance Number: DM8292

Sales Model: 3516

EKW: 1825

Rating: PRIME

Speed: 1800

Combination Data

Pully Ratio: 0.38

Fan Power: 85.82528 hp

Ambient Restrictions (1/2 inH2O)			Ambient Restrictions (3/4 inH2O)			Air Flow Restrictions (1/2 inH2O)		Air Flow Restrictions (3/4 inH2O)	
984 Feet	2460 Feet	4921 Feet	984 Feet	2460 Feet	4921 Feet	----- scfm -----			
----- Max Ambient Pre-alarm Deg F -----									
105	102	96	102	96	93	74019		69993	

No Graph data available...

Reference Number: DM7726

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

