

**RADIATOR PERFORMANCE DATA  
[5053481]**

**JANUARY 16, 2019**

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Component Performance Number: EM2912

**Radiator Data**

Radiator Part Number: 5053481

Radiator Type: ATAAC

Front Area: 359.19 ft2

Radiator Dry Weight: 1,580.7 lbs

Radiator Wet Weight: 1,774.7 lbs

Radiator Water Capacity High Temp Circuit: 10.0 gal

Radiator Water Capacity Low Temp Circuit: NA gal AC Temp Deg F: 120

Center of Gravity (X): 0.22 in (Distance from front face of core)

Center of Gravity (Y): 38.85 in (Distance from bottom of radiator support)

Center of Gravity (Z): 0.19 in (Distance from center line of core)

**Engine Data**

Performance Number: EM2324

Sales Model: C32

EKW: 1250

Rating: STANDBY

Speed: 1800

Settings: NA

**Combination Data**

Pully Ratio: 0.7

Fan Power: 65.70998 hp

Ambient Restrictions (1/2 inH2O)			Ambient Restrictions (3/4 inH2O)		
984 Feet	2460 Feet	4921 Feet	984 Feet	2460 Feet	4921 Feet
----- Max Ambient Pre-alarm Deg F -----					
122	120	113	118	118	113

Air Flow Restrictions (1/2 inH2O)	Air Flow Restrictions (3/4 inH2O)
50570	49687

No Graph data available...

**Reference  
Number:** EM2912

## 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 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. AMBIENT CAPABILITY CALCULATIONS ARE BASED ON A 50/50 GLYCOL COOLANT MIX AND 4°C (7°F) AIR TO CORE RISE.

ASSUME 2°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 COMPLETE PACKAGE.

**Parameters  
Reference:** DM7332

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