12/7/2020 Core Display

RADIATOR PERFORMANCE DATA [LF3429]

DECEMBER 07, 2020

For Help Desk Phone Numbers Click here

Component Performance Number: EM2497

Radiator Data

Radiator Part Number: 5168952 Radiator Type: AF81AVS Front Area: 81.05 ft2

Radiator Dry Weight: 9,325.5 lbs **Radiator Wet Weight:** 9,964.9 lbs

Radiator Water Capacity High Temp Circuit: 67.0 gal Radiator Water Capacity Low Temp Circuit: NA gal

Center of Gravity (X): 39.09 in (Distance from front face of core)

Center of Gravity (Y): 50.12 in (Distance from bottom of radiator support)

Center of Gravity (Z): 1.73 in (Distance from center line of core)

Engine Data

Performance Number: EM2116

Sales Model: 3516

EKW: 2750

Rating: MCSTNDBY

Speed: 1800 Settings: NA

IM ATAAC Temp Deg F: 122

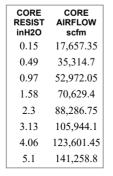
Combination Data

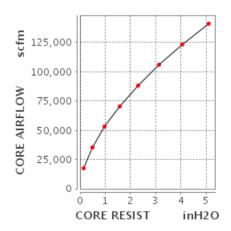
Pully Ratio: 0.365

Fan Power: 152.87628 hp

Ambient			Ambient			Ambient		
Restrictions (1/2 inH2O)			Restrictions (3/4 inH2O)			Restrictions (1.00 inH2O)		
984	2460	4921	984	2460	4921	984	2460	4921
Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet	Feet
		N	Iax Amb	ient Pre-	alarm De	g F		
123	122	114	123	120	113	NA	NA	NA

Air Flow Restrictions (1/2 inH2O)	Air Flow Restrictions (3/4 inH2O)	Air Flow Restrictions (1.00 inH2O)							
scfm									
111700	109157	NA							





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Reference

Number: EM2497

No notes found...

Parameters

Reference: TM6016

RADIATOR CORE DATA:

FOR OPEN GENERATOR SET ELECTRIC POWER APPLICATIONS, CORE AIR FLOW RESISTANCE DATA INCLUDES ENGINE, GENERATOR, AND COOLING PACKAGE. ADDITIONAL AIRFLOW RESISTANCE DUE TO CUSTOMER SUPPLIED ITEMS SUCH AS INLET/EXHAUST LOUVERS, SOUND ATTENUATION, OR INLET/EXHAUST AIR PIPEWORK IS NOT INCLUDED.

ALL OTHER APPLICATIONS OUTSIDE OF OPEN ELECTRIC POWER, CORE AIR FLOW RESISTANCE IS FOR FREE STANDING CORE ONLY.

CORE PERFORMANCE DATA IS BASED ON AN AIR DENSITY OF 1.20 KG/M3 (0.075 LB/CU FT)

AMBIENT CAPABILITY:

AMBIENT CAPABILITY AND ALTITUDE CAPABILITY LISTED ON THIS PAGE REFLECTS THE CAPABILITY OF THE COOLING SYSTEM AT THE MAXIMUM GENERATOR RATING. AMBIENT CAPABILITY FOR STANDBY AND MISSION CRITICAL STANDBY RATINGS REPORTED AGAINST A JACKET WATER ENGINE EXIT TEMPERATURE LIMIT OF 104C (219F). ALL OTHER RATINGS REPORTED AT 99C (210F).

AMBIENT AND ALTITUDE CAPABILITY MUST BE VERIFIED FOR THE ENGINE AND GENERATOR IN THE ENGINE PERFORMANCE SECTION OF TMI.

NON TIER 4 EMISSION RATINGS ASSUME 4C (7F) AIR TO CORE RISE, TIER 4 EMISSION RATINGS ASSUME 6C (9F).

ALL PERFORMANCE SHOWN WITH 50/50 GLYCOL COOLANT.

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