9/21/2020 Core Display

RADIATOR PERFORMANCE DATA

SEPTEMBER 21, 2020

For Help Desk Phone Numbers Click here

Combination Data

Pully Ratio: 1.25

Fan Power: 0.0 hp

Component Performance Number: DM9790

Radiator Data

Radiator Part Number: 2785979 Radiator Type: A5.97CTS Front Area: 5.92 ft2

Radiator Dry Weight: 119.0 lbs Radiator Wet Weight: 145.5 lbs

Radiator Water Capacity High Temp Circuit: 5.0 gal Radiator Water Capacity Low Temp Circuit: NA gal

Center of Gravity (X): 6.42 in (Distance from front face of core)

Center of Gravity (Y): 21.26 in (Distance from bottom of radiator support)

Center of Gravity (Z): 0.00 in (Distance from center line of core)

Engine Data Performance Number: P4392A Sales Model: C7.1 DITA EKW: 125 Rating: STANDBY

Speed: 1800 Settings: NA

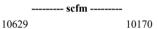
IM ATAAC Temp Deg F: 131

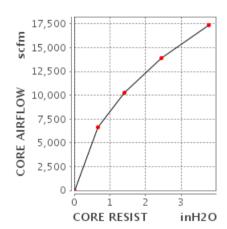
Ambient Ambient

		-			
Restrictions (1/2 inH2O)			Restrictions (3/4 inH2O)		
984 Feet	2460 Feet	4921 Feet	984 Feet	2460 Feet	4921 Feet
	Max A	Ambient P	re-alarm	Deg F	
140	134	127	136	131	123

CORE RESIST inH2O	CORE AIRFLOW scfm
0	0
0.66	6,632.1
1.4	10,234.2
2.44	13,899.87
3.77	17,374.83

Air Flow	Air Flow
Restrictions (1/2 inH2O)	Restrictions (3/4 inH2O)
	-





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Reference

Number: DM9790

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.

LAST UPDATED: 09/11/2020

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