

**RADIATOR PERFORMANCE DATA**

**NOVEMBER 10, 2021**

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Component Performance Number: DM7730

**Radiator Data**

Radiator Part Number: 4484294  
 Radiator Type: AB27.5  
 Front Area: 27.56 ft2  
 Radiator Dry Weight: 1,230.2 lbs  
 Radiator Wet Weight: 1,433.0 lbs  
 Radiator Water Capacity High Temp Circuit: 45.0 gal  
 Radiator Water Capacity Low Temp Circuit: NA gal  
 Center of Gravity (X): 7.48 in (Distance from front face of core)  
 Center of Gravity (Y): 34.89 in (Distance from bottom of radiator support)  
 Center of Gravity (Z): 0.43 in (Distance from center line of core)

**Engine Data**

Performance Number: DM9933  
 Sales Model: C32  
 EKW: 1000  
 Rating: STANDBY  
 Speed: 1800  
 Settings: NA  
 IM ATAAC Temp Deg F: 120

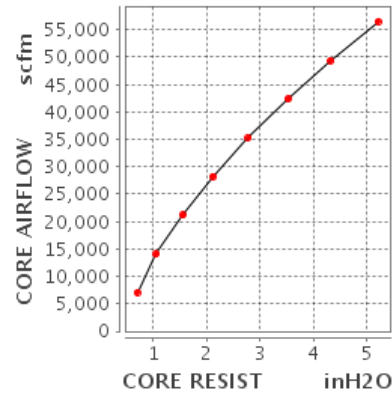
**Combination Data**

Pully Ratio: 0.625  
 Fan Power: 52.29978 hp

Ambient Restrictions (1/2 inH2O)			Ambient Restrictions (3/4 inH2O)			Ambient Restrictions (1.00 inH2O)		
984 Feet	2460 Feet	4921 Feet	984 Feet	2460 Feet	4921 Feet	984 Feet	2460 Feet	4921 Feet
127	123	114	122	116	107	NA	NA	NA

Air Flow Restrictions (1/2 inH2O)	Air Flow Restrictions (3/4 inH2O)	Air Flow Restrictions (1.00 inH2O)
34855	32983	NA

CORE RESIST inH2O	CORE AIRFLOW scfm
0.7	7,062.94
1.06	14,125.88
1.55	21,188.82
2.12	28,251.76
2.78	35,314.7
3.52	42,377.64
4.32	49,440.58
5.2	56,503.52



Reference Number: DM7730

No notes found...

Parameters Reference: DM7332

**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 TML. 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 THE COMPLETE PACKAGE.