

# Now introducing ...



## Going LIVE January 2014!

HTW by Diesel Radiator Company will empower you!

### A Winning Combination

- Direct access to your product performance predicts
- Evaluate cooling system performance at different site conditions
- Online DRC engineering support
- Mac, PC, tablet and smart phone compatible
- Make selection and reduce lead time by using DRC standard cooling products

**Performance Results (Full)**

Catalog:	DR3900	HP:	330
Engine:	Cummins QSL330	RPM:	2100
Enclosure Type:	Fully Enclosed	Amb. Temp (F):	125
Description:	Industrial Cooling Module	Elevation:	1000 ft.
Configuration:	Parallel (2 cores), 1 Fan(s)	CFM Total:	17,135.0

  

Cores:	#1 - JW	#2 - CAC	Fan
Catalog:	SD9BDR	ACTNEW2	CROWLEY
Core:	SD9BDR	ACTNEW2	36-4-8-20ppg-9-wr
Fins/in:	9	9	RPM: 1850
Fin Thickness:	0.0035	0.01	In. Type: Sucker
# Rows:	6	1	Shroud Dia: 37 In.
Height:	40	40	In. Par Vel. Heads: 5
Width:	22	18	In. Fan/Core Space: 6 In.
Tube In Temp:	225	450	F # Fans: 1
Heat Load:	8000	3600	Btu/min
GPM/CFM:	100	500	Fan Properties
Fluid Type:	Water	Air	Diameter: 36 In.
# Passes:	1	1	# of Blades: 4
# Inlet Conn:	1	1	PW/DEG: 20
Inlet Conn Dia:	2.5	4	In. Parasitic Loss: 0.646
Outlet Conn Dia:	2.5	4	In. Fan HP: 10.5
			Shroud Derate: 27%

  

Result:	#1 - JW	#2 - CAC	
Core Depth:	5.8	3	In.
Face Area:	6.11	5	Sq. ft.
Heat Rejection:	7996	3075	Btu/min
Fluid In:	196.2	470	F
Fluid Out:	186.1	129.2	F
Fluid PD:	1.35	0.25	PSI
Fluid Velocity:	2.8	34.7	ft/sec
Air In:	125	125	F
Air Out:	166	166.7	F
Balance Point:	2036	939	ft/min
Core Res.:	0.89	0.89	In. water
Air To Liquid:	153.8	105	F
Boost Pressure:	n/a	32.00	PSI

**Heat Transfer Web Predictions**  
 This heat transfer prediction has been established using the thermal prediction program HTPCals 115.0.0 to evaluate the anticipated performance of the Cooling Package and fan match, with the known system parameters to establish the heat rejection of the Cooling Package for a specific set of design conditions. Due to unknown or unanticipated conditions relating to a specific application, deviation from the predicted performance may occur. A performance confirmation test must be performed under actual conditions, prior to production, in order to confirm results. Information contained in this document is proprietary and confidential. Duplication and/or transmittal to anyone without written authorization is prohibited.



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