

Rating Sheet

**Emergent Coils, LLC ~ 855-264-5669**

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**5W27X39-610-HRD**

No. Coils:	1	Coil Type:	Water - Cooling
Fin Height (In.):	27	Fin Mat./Thickness/Type:	Aluminum/ 0.006/ Waffle
Fin Length (In.):	39	Tube Mat./Wall/OD:	Copper/ 0.020/ 5/8 Inch
Air Flow/Coil (ACFM/SCFM)	3725 / 3656 (S)	Tube Spacing:	1.5 x 1.299
ACFM/SCFM Velocity (fpm):	509.4 / 500	Tube Surface:	Smooth
EDB/EWB (°F):	80 / 67	Casing Material:	Galv
EWT (°F):	45	Fluid Type:	Water
Fluid Temp. Drop (°F):	10	FF Inside*:	0
Rows/FPI:	6/10	FF Outside*:	0

	<b>Per Coil</b>	<b>Total All Coils</b>
LDB/LWB (°F):	54.6 / 54.2	
Total Heat (BTUH):	142,936	142,936
Sensible. Heat (BTUH):	101,029	101,029
LWT (°F):	55.0	
Fluid Flow (GPM):	28.5	28.5
Fluid Press. Drop (Feet):	8.75	
Tube Velocity (fps):	3.47	
Reynolds number:	12,539.33	
Air Pressure Drop (in W.G.):	0.75	
Connection Size (In.):	1.5	
Approximate Fluid Volume (Gal) :	6.4	6.4
Uncrated, Dry Coil Weight: 146.8		

Printed on 6/25/2018 using Total Package II; program version 1.2.2018.1 - DLL/Data 1.0.5.68/20170829.1

\* (Hr\*ft<sup>2</sup>\*°F/Btu) Fouling Factor Units

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