

Rating Sheet

Emergent Coils, LLC ~ 855-264-5669

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5W27X42-610-HRD

No. Coils:	1	Coil Type:	Water - Cooling
Fin Height (In.):	27	Fin Mat./Thickness/Type:	Aluminum/ 0.006/ Waffle
Fin Length (In.):	42	Tube Mat./Wall/OD:	Copper/ 0.020/ 5/8 Inch
Air Flow/Coil (ACFM/SCFM)	4012 / 3938 (S)	Tube Spacing:	1.5 x 1.299
ACFM/SCFM Velocity (fpm):	509.5 / 500.1	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

	Per Coil	Total All Coils
LDB/LWB (°F):	54.4 / 54.0	
Total Heat (BTUH):	155,896	155,896
Sensible. Heat (BTUH):	109,629	109,629
LWT (°F):	55.0	
Fluid Flow (GPM):	31.1	31.1
Fluid Press. Drop (Feet):	10.65	
Tube Velocity (fps):	3.78	
Reynolds number:	13,686.16	
Air Pressure Drop (in W.G.):	0.75	
Connection Size (In.):	1.5	
Approximate Fluid Volume (Gal) :	6.8	6.8
Uncrated, Dry Coil Weight: 155.6		

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

* (Hr*ft²*°F/Btu) Fouling Factor Units

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