



55kW @ 14C / 57F water
CL80-300 IN-ROW

W 3S3 G 04 20 1750 158 020 1 H L - - - - -

TECHNICAL DATA:

Total capacity available.....:	[kW]	55.0	
Air flow.....:	[m³/h]	7200 / 4237	CFM
Air density (standard).....:	[kg/m³]	1.200	
Air mass flow.....:	[g/s]	2400	
Dry bulb air inlet.....:	[°C]	45.0 / 113	°F off Servers
Rel. humidity inlet.....:	[%]	15.0	
Dry bulb air outlet.....:	[°C]	22.3 / 72.1	°F Room temp
Rel. humidity outlet.....:	[%]	53.5	
Air pressure drop.....:	[Pa]	99	
Air pressure drop dry.....:	[Pa]	99	
Air velocity.....:	[m/s]	2.29	= 7.5 ft./sec

Fluid.....:		Water	
Specific mass.....:	[kg/m³]	999	
Specific heat.....:	[kJ/kg.K]	4.19	
Thermal conductivity.....:	[W/m.K]	0.602	
Viscosity.....:	[pa.sec]	0.0010	
Total fluid pressure drop.....:	[kPa]	18	
Inlet temperature.....:	[°C]	14.0 / 57	°F
Outlet temperature.....:	[°C]	25.32 / 77.5	°F
Fluid flow.....:	[m³/h]	4.17 GPM	= 18.3
Fluid velocity.....:	[m/s]	0.82	

Surface calculation: Dry
Rated using ARI 410 method.

Tubes type.....:		Smooth	
Tube material.....:		Copper	
Fin material.....:		Hydrophile Al	
Height/Depth/Length (finned).....:	[mm]	500.0/86.6/1750.0	
Connection inlet.....:	["]	1 1/8" copper	
Connection outlet.....:	["]	1 1/8" copper - Same side	
Surface area.....:	[m²]	86.4	
Circuit volume.....:	[dm³]	9.8	