

YIA SINGLE-EFFECT CHILLER PERFORMANCE SPECIFICATION

Unit Tag	Qty	Model No.	Capacity (tons)
CH-4	1	YIA-HW-2B1-46-C-S-D	120.0

Unit Data	Evaporator	Abs./Cond.
EWT (°F):	59.0	86.0
LWT (deg., °F):	43.0	100.3
Flow Rate (gpm):	180.0	500.0
Pressure Drop (ft):	10.5	13.1
Circuit No. of Passes:	4	Abs: 3; Cond: 1
Fouling Factor:	0.00010	0.00025
Design Working Pressure (psig):	150.0	150.0
Fluid Type (%):	WATER	WATER
Nozzle Arrangements:	(E5) In: C ; Out: D	(AC1)Abs In: G ; Cond Out: A

Generator Data		Electrical Data		Other	
Generator No. of Passes:	3	Power:	460/3/60	Rigging Wt. (lb):	13124
EWT (°F):	220.0	kW:	5.9	Operating Wt. (lb):	17651
LWT (deg., °F):	187.8	N/F Disconnect:	30	Hot Surface Insul. (ft ²):	98
Flow Rate (gpm):	135.6	Max. Fuse Size:	20	Cold Surface Insul. (ft ²):	36
Pressure Drop (ft):	14.7	Wire Ampacity:	16.8		
Fouling Factor	0.00010	Total Amps:	15.3		
Fluid Type (%):	WATER				

Control Valve Data	
Type	3-Way Diverting Valve
Size	2"
Inlet Pressure (psig)	80.0
Pressure Drop (ft)	18.8

Notes:	
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