



Unit Tag	Qty	Model No	Net Cooling	Nominal Voltage	Refrigerant Type
TCA40TSARH	1	TCA40TSARH	39.57	460-3-60.0	R410A

Evaporator Data		Evaporator Data (Cont.)		Performance Data	
EWT (°F)	54.00	Fluid Volume (USGAL)	2.570	EER (Btu/W·h)	11.63
LWT (°F)	44.00	Min. Flow Rate (USGPM)	16.00	IPLV.IP (Btu/W·h)	18.56
Design Flow Rate (USGPM)	94.45	Max. Flow Rate (USGPM)	220.0		
Evap. Press. Drop (ft H2O)	7.64				
Fluid	Water	<b>Condenser Data</b>		<b>Physical Data</b>	
Strainer Press. Drop (ft H2O)	0.925	Ambient Temp. Design (°F)	95.0	Rigging Wt. (lb)	3690
Ext. Kit Press. Drop (ft H2O)	0.567	Altitude (ft)	0.000	Operating Wt. (lb)	3720
Total Press. Drop (ft H2O)	9.13	Compressor Type	Scroll - Hermetic	Refrigerant Charge (lb)	69.9
Fouling Factor (h.ft².F/Btu)	0.000100				

Electrical Data				
Circuit	1	2	3	4
Compressor RLA	18 / 18	18 / 18		
Fan QTY/FLA (each)	2 / 4	2 / 4		
High LRA Current	125 / 125	125 / 125		

Single Point				
Min. Circuit Ampacity	96			
Recommended Fuse/CB Rating	110			
Max. Inverse Time CB Rating	110			
Max. Dual Element Fuse Size (A)	110			
Unit Short Circuit Withstand (STD)	5 [kA]		<b>Operating Condition Electrical Data</b>	
Wires Per Phase	1		Compressor kW	34.10
Wire Range (Lug Size)	#4 AWG - 300 kcmil		Total Fan kW	6.720
Starter Type	Across The Line		Total kW	40.82

Notes:

Performance at AHRI Conditions					
Evaporator Data		Condenser Data		Performance Data	
EWT (°F)	54.00	Ambient Temp. (°F)	95.0	EER (Btu/W·h)	11.63
LWT (°F)	44.00	Altitude (ft)	0.000	IPLV.IP (Btu/W·h)	18.56
Flow Rate (USGPM)	94.45			Net Cooling Capacity	39.57
Pressure Drop (ft H2O)	7.64				
Fluid	Water				
Fouling Factor (h.ft².F/Btu)	0.000100				
Fluid Volume (USGAL)	2.570				

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