

Project :
Created By :

Customer Input

Selected Model / Type : UAM80C3F / Fixed Speed Scroll Chiller Version C
Ambient Temperature : 30.0 °C Frequency : 50 Hz
Chilled Water : EWT 11.00 °C Voltage : 380-415 V
LWT 8.00 °C Country of Origin : Malaysia

Generated Outputs

Full Load Performance		Nominal Data (AHRI Standard)	Input Conditions	
Cooling Capacity		#NUM!	80.00	TR
		#NUM!	281.4	kW
Current	Compressor	-	150	A
	Fan	18	18	A
	Total	0	168	A
Power Input	Compressor	#VALUE!	83.34	kW
	Fan	12.00	12.00	kW
	Total	#NUM!	95.34	kW
COP		#VALUE!	2.951	kW/kW
Flow Rate		#VALUE!	53.87	m ³ /h
Pressure Drop		#VALUE!	43.8	kPa
Note		1. Nominal data is based on the AHRI (551/591) standard condition of EWT/LWT of 12.00/7.00°C, and ambient temperature of 35.0°C. 2. Input Condition data is based on customer's input condition of EWT/LWT , and ambient temperature. 3. Evaporator rating fouling factor = 0.018 m ² .K/kW, and rating altitude at 0 m.		

Part Load Performance

IPLV		-									kW/kW
Point		-	-	-	-	-	-	-	-	-	
Corresponding Capacity		-	-	-	-	-	-	-	-	-	%
Total Cooling Capacity		-	-	-	-	-	-	-	-	-	TR
Total Cooling Capacity		-	-	-	-	-	-	-	-	-	kW
Total Power Input		-	-	-	-	-	-	-	-	-	kW
Total Current		-	-	-	-	-	-	-	-	-	A
COP		-	-	-	-	-	-	-	-	-	kW/kW
Ambient Temperature		-	-	-	-	-	-	-	-	-	°C
EEWT		-	-	-	-	-	-	-	-	-	°C
ELWT		-	-	-	-	-	-	-	-	-	°C
Flow Rate		-	-	-	-	-	-	-	-	-	m ³ /h
Pressure Drop		-	-	-	-	-	-	-	-	-	kPa

Others

MCA		223	A
No. of Refrigerant Circuit		2	-
Refrigerant Type		R410A	-
Refrigerant Charge	System 1/2	25.0 / 25.0	kg/System
Chiller Dimension	W / D / H	2237 / 3263 / 2156	mm
Weight	Shipping	2917	kg
	Operating	3039	kg

Evaporator

Type		S&T	-
Inlet/Outlet Diameter		5" Victaulic Joint	-
Flow Rate	Min / Max	15.00 / 56.70	m ³ /h
Pressure Drop	Min / Max	5.00 / 47.0	kPa

Compressor

Quantity	System 1/2	2 / 2	
Type		Hermetic-sealed (Scroll)	-
Oil Charge	System 1/2	13.4 / 13.4	L/System

Condenser

Coil			
Tube	Type	Copper	-
Fin	Type	Aluminium	-
Surface Area/ Coil		11.52	m ² /Coil
Fan			
Type/ Drive		Axial / Direct	-
Quantity per System		3	-

Certified in accordance with the AHRI Air-Cooled Water-Chilling Packages Certification Program, which is based on AHRI Standard 550/590 (I-P) and AHRI Standard 551/591 (SI). Certified Units may be found in the AHRI Directory at www.ahridirectory.org

