

Project : Test
Created By : Admin Codetinker

Customer Input

Selected Model / Type : UAM80C3F / Fixed Speed Scroll Chiller Version C
Ambient Temperature : 45.0 °C Frequency : 50 Hz
Chilled Water : EWT 12.00 °C Voltage : 380-415 V
LWT 9.00 °C Country of Origin : Malaysia

Generated Outputs

Full Load Performance		Nominal Data (AHRI Standard)		Input Conditions	
Cooling Capacity	:		80.00	73.10	TR
			281.4	257.1	kW
Current	:	Compressor	161	190	A
		Fan	18	18	A
		Total	179	208	A
Power Input	:	Compressor	92.20	113.7	kW
		Fan	12.00	12.00	kW
		Total	104.2	125.7	kW
COP	:		2.700	2.046	kW/kW
Flow Rate	:		48.45	53.87	m ³ /h
Pressure Drop	:		37.4	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 m².K/kW, and rating altitude at 0 m.

Part Load Performance

IPLV	:	3.926										kW/kW
Point	:	1	2	3	4	5	6	7	8	9	10	
Corresponding Capacity	:	-	-	-	-	-	-	-	-	-	-	%
Total Cooling Capacity	:	-	-	-	-	-	-	-	-	-	-	TR
Total Cooling Capacity	:	-	-	-	-	-	-	-	-	-	-	kW
Total Power Input	:	-	-	-	-	-	-	-	-	-	-	kW
Total Current	:	-	-	-	-	-	-	-	-	-	-	A
COP	:	-	-	-	-	-	-	-	-	-	-	kW/kW
Ambient Temperature	:	45.0	-	-	-	-	-	-	-	-	-	°C
EEWT	:	-	-	-	-	-	-	-	-	-	-	°C
ELWT	:	9.00	-	-	-	-	-	-	-	-	-	°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

