

	Equipment Data Sheet					
	<i>Project Name</i>		ycse	<i>Unit Name</i>		UNIT0
	<i>Pin</i>	YCRE0060SB50YBADNXXXXXXXXCX22X43DKDXXXXXXXXXXXXXXXXXXXXXXXXXXXX				
	<i>Date</i>	2014-07-25	<i>Version</i>	E.14.2.0-D.22.0019	<i>Ref</i>	999::UNIT0

UNIT0 Equipment Data Sheet Report - Design Conditions

Unit Type and Size

ID		YCRE0060SB
Number of Compressors		1
Compressor Type		Screw - Semi Hermetic
Number of Compressor Circuits		1
Capacity Control		15/100

Technical Data

Refrigerant Type		R407C
Cooling Capacity	kW	171
Total Power Input	kW	57
EER	kW/kW	2.99
Sound Power	dB(A)	86

Evaporator

Evaporator Type		Plate Heat Exchanger
Fluid Volume	L	20
Fluid Type		Water
Entering Liquid Temperature	°C	12
Leaving Liquid Temperature	°C	6
Total Flow Rate	L/s	6.798
Total Pressure Drop	kPa	20
Fouling Factor	m ² K/kW	0.018
Fluid Connection Diameter	in	3

Condenser (Remote Condenser)

Heat Rejection per Circuit	kW	225
Saturated Discharge Temperature	°C	50
Discharge Line Connection Diameter	in	1 5/8
Liquid Line Connection Diameter	in	1 1/8

Electrical Data

Nominal Voltage / Voltage Limits		400-3-50 / 360-440
Nominal Current	A	81
Max. Current	A	112
Unit Short Circuit Current Withstand	[kA]	50
Maximum Instantaneous Current	A	188