

v. 1.5.6

SWEP International AB
P.O. Box 105
Hjalmar Brantingsväg 5
261 22 Landskrona
Sweden

SWEP SSP CBE

HEAT EXCHANGER : B25TH/1P-SC-M (2*22U+2*1"&22U)

Art. No. : 14131x20

CONDENSER - QUOTATION

Customer data: Patrik Frihlén

Reference:

Date: 2009-08-27

Our Ref.: Jonas Hansson

DUTY REQUIREMENTS

		SIDE 1	SIDE 2
Fluid Side 1	R410A		
Fluid Side 2	Vatten		
Inlet temperature	°C	: 80.00	35.00
Condensation temperature (dew)	°C	: 40.33	
Subcooling	K	: 2.00	
Outlet temperature	°C	: 38.23	40.00
Flow rate	kg/s	: 0.02364	0.2393

PLATE HEAT EXCHANGER

Heat load	kW	:	5.000
Total heat transfer area	m ²	:	1.13
Mean temperature difference	K	:	4.22
Overall H.T.C. (available/required)	W/m ² , °C	:	1050
Oversurfacing	%	:	0
Calculated pressure drop	kPa	:	-0.364 5.90
Number of channels		:	9 10
Number of plates		:	20

CONSTRUCTION DATA

Plate material		:	EN 10028-7 1.4401
Connection data (height)	F1/F3	:	SOLDER 22U (20 mm)
	F2/F4	:	ISO-G 1" A&SOLDER 22U (20 mm)
Connection locations	in/out	:	F1/F3 F4/F2
Fluid hold-up volume	dm ³	:	0.999 1.11
Max. operating pressure	bar	:	45.0/36.0 / 36.0/29.0
Test pressure	bar	:	75.0
Max. working temperature	°C	:	135.00 / 225.00
Plate package length (F+G)	mm	:	54.8
Width	mm	:	119
Height	mm	:	526
Weight - full	kg	:	7.78
Weight - empty	kg	:	5.70