

: B85Hx40/1P

SSP : B85

		1	2
		R410A	Propylene Glycol - Water (30.0 mass%)
		21.00	
		kW	
		°C	
		43.00	
		0.298	
		1.000	
		°C	
(poca)		4.9	12.0
		°C	
		4.5	
		K	
		5.0	
		°C	
		9.5	7.0
		kg/s	1.099
		0.1347	
		kg/s	
		0.04020	
		kg/s	
		0.09451	
(C H)		kPa	
		14.3 (50.00)	41.5 (50.00)
		1	2
		m ²	2.28
		kW/m ²	9.2
		K	4.6
Overall heat transfer coefficient		W/m ² ,°C	2000
		kPa	14.3
- (B /)		kPa	41.5
()		kPa	0.755
()		kPa	
		0.000 - 0.000	
		kPa	916
		19	20
			40
		%	7
		m ² ,°C/kW	0.032
(/)		mm	33.0/33.0
		mm	33.0/33.0
		8.05 - 12.7	
		mm	14.3 - 32.0
			209.3
		m/s	1.24
		4.74	0.285
		m/s	1.14
		kPa	0.0715
		K	0.2
		°C	
		6.0/10.7	6.1/10.8

! SWEP does not recommend to select B-type evaporator with large number of plates.

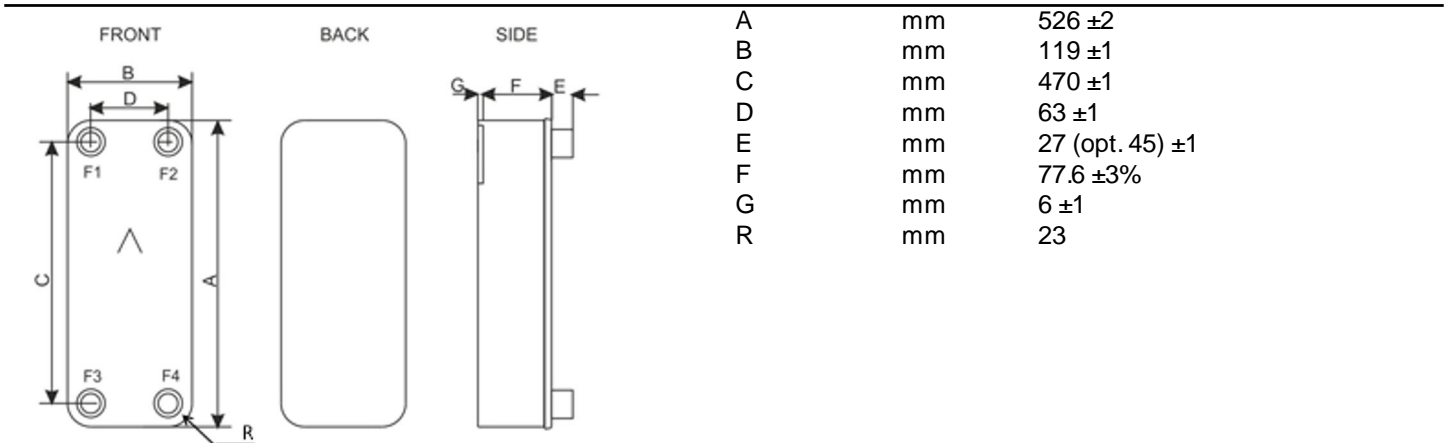
		1	2
		°C	4.7
		cP	9.4
		0.156	4.65
		kg/m ³	1034
		1151	3.822
		kJ/kg,°C	0.4337
		1.558	
		W/m,°C	
		0.1110	
		cP	0.0125
		0.0125	



	1	2
•	kg/m ³	33.48
•	kJ/kg,°C	0.9674
•	W/m,°C	0.01112
•	kJ/kg	215.0
• Bub Enthalpy	kJ/kg	206.8
• Dew Enthalpy	kJ/kg	422.0
• Inlet Enthalpy	kJ/kg	271.0
• Outlet Enthalpy	kJ/kg	429.8
	W/m ² ,°C	6420
		6340

	1	2
()*	kg	7.56
()	dm ³	1.79
()	dm ³	1.88
F1/P1	mm	33
F2/P2	mm	33
F3/P3	mm	33
F4/P4	mm	33

*



*

SWEP.

	Unit	Value
Sweden - Landskrona	kg CO ₂ e	38.9
USA - Tulsa	kg CO ₂ e	40.8
Slovakia - Košice	kg CO ₂ e	44.2
Malaysia - Kuala Lumpur	kg CO ₂ e	61.6
China - Suzhou	kg CO ₂ e	105.7

Legal notice:

By using the SSP/DThermX software the Licensee confirms that the input data is not subject to export control laws including ITAR (International Traffic in Arms Regulations). Licensee further agrees and confirms that the configured products are not subject to export control laws including ITAR and do not qualify as "specially designed" for export control purposes. If you would like to discuss configuration of export controlled products including ITAR-qualifying products, or if your data is export controlled, please reach out to your SWEP representative or email info@swepgroup.com.

Disclaimer:

Data used in this calculation is subject to change without notice. SWEP strives to use "best practice" for the calculations leading to the above results. Calculation is intended to show thermal and hydraulic performance, no consideration has been taken to mechanical strength of the product. Product restrictions - such as pressure, temperatures and corrosion resistance- can be found in SWEP product sheets and other technical documentation. SWEP may have patents, trademarks, copyrights or other intellectual property rights covering subject matter in this document. Except as expressly provided in any written license agreement from SWEP, the furnishing of this document does not give you any license to these patents, trademarks, copyrights, or other intellectual property. To the maximum extent permitted by applicable law, the software, the calculations and the results are provided without warranties of any kind, whether express or implied. No advice or information obtained through use of the software (including information provided in the results), will create any warranty not expressly stated in the applicable license terms. Without limiting the foregoing, SWEP does not warrant that the content (including the calculations and the results) is accurate, reliable or correct. SWEP does not warrant that any system comprising heat exchanger and other components, installed on the basis of calculations in this software, will meet your requirements or function to your satisfaction or expectations.

