

: B85Hx80/1P

SSP : B85

		1	2
		R290 (Propane)	Propylene Glycol - Water (30.0 mass%)
		31.00	
	kW		
	°C	43.00	
		0.284	
		1.000	
	°C	5.0	12.0
	°C	4.5	
	K	5.0	
	°C	9.5	7.0
	kg/s	0.1136	1.622
	kg/s	0.03226	
	kg/s	0.08139	
	kPa	7.84 (50.00)	25.0 (50.00)
		1	2
	m ²	4.68	
	kW/m ²	6.62	
	K	4.7	
Overall heat transfer coefficient	W/m ² ,°C	1410	
	kPa	7.84	25.0
	kPa	-0.116/0.952	1.65
	kPa	0.000 - 0.000	
	kPa	544	
		39	40
			80
	%	4	
	m ² ,°C/kW	0.025	
	mm	33.0/33.0	33.0/33.0
	mm	12.0 - 19.0	
	mm	22.0 - 49.3	
			154.5
	m/s	11.2	1.83
	m/s	1.32	0.210
	kPa		0.0409
	K		0.2
	°C	6.0/11.1	6.1/11.1

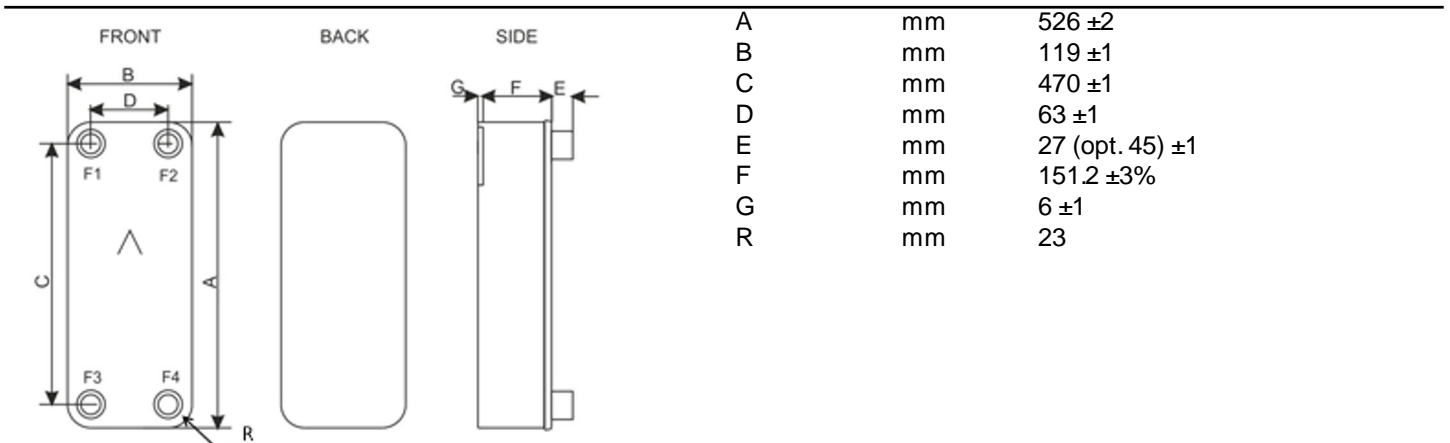
! Vaporization side maldistribution is 14 %
 ! SWEP does not recommend to select B-type evaporator with large number of plates.

		1	2
	°C	4.8	9.4
	cP	0.120	4.65
	kg/m ³	522.0	1034
	kJ/kg,°C	2.530	3.822
	W/m,°C	0.1035	0.4337



	1	2
•	cP	7.55e-3
•	kg/m ³	11.90
•	kJ/kg,°C	1.781
•	W/m,°C	0.01629
•	kJ/kg	368.0
• Bub Enthalpy	kJ/kg	211.3
• Dew Enthalpy	kJ/kg	579.8
• Inlet Enthalpy	kJ/kg	315.9
• Outlet Enthalpy	kJ/kg	592.4
	W/m ² ,°C	5150
		5170

	1	2
() *	kg	13.02
()	dm ³	3.67
()	dm ³	3.76
F1/P1	mm	33
F2/P2	mm	33
F3/P3	mm	33
F4/P4	mm	33



A	mm	526 ±2
B	mm	119 ±1
C	mm	470 ±1
D	mm	63 ±1
E	mm	27 (opt. 45) ±1
F	mm	151.2 ±3%
G	mm	6 ±1
R	mm	23

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	Unit	Value
Sweden - Landskrona	kg CO ₂ e	67.1
USA - Tulsa	kg CO ₂ e	70.3
Slovakia - Košice	kg CO ₂ e	76.3
Malaysia - Kuala Lumpur	kg CO ₂ e	106.2
China - Suzhou	kg CO ₂ e	182.2

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