

SWEP DThermX

: 15/07/2025

: B85Hx40/1P

SSP : B85

		1	2
		R290 (Propane)	Propylene Glycol - Water (30.0 mass%)
		15.00	
		kW	
		°C	
		43.00	
		0.284	
		1.000	
		4.9	12.0
(poca)		°C	
		4.5	
		K	
		5.0	
		°C	
		9.5	7.0
		kg/s	0.7849
		0.05499	
		0.01561	
		0.03938	
( C H)		kPa	22.4 (50.00)
		7.13 (50.00)	
		1	2
		2.28	
		m <sup>2</sup>	
		6.58	
		kW/m <sup>2</sup>	
		4.8	
		K	
Overall heat transfer coefficient		1380	
		W/m <sup>2</sup> ,°C	
		7.13	22.4
		kPa	
( B / )		-0.0292/0.216	0.385
( )		kPa	
( )		0.000 - 0.000	
		544	
		kPa	
		19	20
		40	
		%	
		6	
		0.041	
		m <sup>2</sup> ,°C/kW	
( / )			
		33.0/33.0	33.0/33.0
		mm	
		8.37 - 13.2	
		mm	
		15.3 - 34.3	
		149.5	
		m/s	0.887
		5.44	
		m/s	0.204
		1.31	
		kPa	0.0386
		0.2	
		K	
/		°C	
		6.0/11.0	6.1/11.1

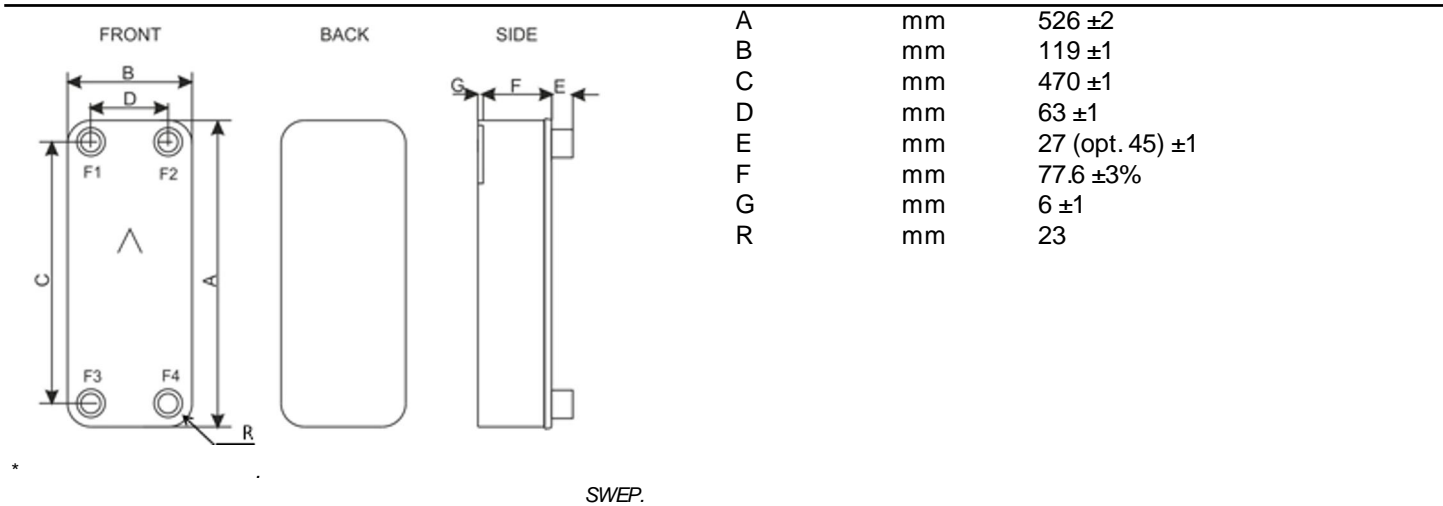
! SWEP does not recommend to select B-type evaporator with large number of plates.

		1	2
		4.7	9.4
		°C	
		0.120	4.65
		cP	
		522.1	1034
		kg/m <sup>3</sup>	
		2.529	3.822
		kJ/kg,°C	
		0.1036	0.4337
		W/m,°C	
		7.55e-3	
		cP	



	1	2
•	kg/m <sup>3</sup>	11.89
•	kJ/kg,°C	1.781
•	W/m,°C	0.01629
•	kJ/kg	368.1
• 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 <sup>2</sup> ,°C	5130
		5060

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



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

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