



CONDENSER - PERFORMANCE HEAT EXCHANGER: B85Hx30/1P

SWEP SSP G8 2022.824.1.0

Date: 01/10/2022

SSP Alias: B85

Fluid Flui	DUTY REQUIREMENTS		Side 1		Side 2
Circuit kW 15.00 Cuter Heat load 1.000 1.000 1.000 Unitet vapor quality 0.000 43.00 Condensation temperature (dew) °C 60.00 43.00 Condensation temperature (dew) °C 51.39 50.00 Subcooling K 4.00 4.00 Outlet temperature °C 47.29 50.00 Flow rate kg/s m³h 0.09593 1.865 Fluid condensed kg/s 0.09593 1.865 Fluid rate of fluid condensed kg/s 0.09593 1.865 PLATE HEAT EXCHANGER Side 1 \$1.68 Fleat tall standard condensed kg/m² 1.14 1.14 1.	Fluid		R410A		Water
Heat load KW	Flow type		Cou	unter-Current	
Inlet vapor quality	Circuit		Inner		Outer
Outlet vapor quality 0.000 Inlet temperature °C 60.00 43.00 Condensation temperature (dew) °C 51.39 Subcooling K 4.00 Outlet temperature °C 47.29 50.00 Flow rate kg/s m³/h 0.09593 1.865 Fluid condensed kg/s m³/h 0.09593 1.865 PLATE HEAT EXCHANGER Side 1 Side 2 Total heat transfer area m² 1.68 Heat flux kW/m² 8.93 Mean temperature difference K 4.11 O.H.T.C. (available/required) W/m², °C 2170/2170 Pressure drop - total" kPa 1.13 12.7 - in ports (intel® Cutlet) kPa 3150 Number of channels per pass 14 15 Number of plates 30 0 Oversurfacing % 0.00 Fouling factor m², °C/kW 0.000 Port diameter (up/down) mm 33.0/33.0 Reco	Heat load	kW		15.00	
Inlet temperature	Inlet vapor quality		1.000		
Condensation temperature (dew) C Si .39 Subcooling K 4.00	Outlet vapor quality		0.000		
Subcooling K CUitlet temperature 4,00 °C 47.29 47.29 50.00 Flow rate Flow rate Flow rate kg/s 0.09593 1.865 PLATE HEAT EXCHANGER Side 1 Side 2 Total heat transfer area m² 1.68 Heat flux kW/m² 8.93 Mean temperature difference K 4.11 O.H.T.C. (available/required) W/m² °C 2170/2170 Pressure drop - total? kPa 1.13 12.7 - in ports (Inlet/Outlet) kPa -0.0279/8.46e-3 0.172 Operating pressure (outlet) kPa -0.0279/8.46e-3 0.172 Number of channels per pass 14 15 Number of plates 30 0 Oversurfacing % 0 Fouling factor m², °C/kW 0.000 Port diameter (µp/down) mm 30.0/33.0 33.0/33.0 Recommended intel connection diameter mm 6.07 - 13.6 1041 Report Velocity m/s 0.845 0.606 Channel veloci	Inlet temperature	°C	60.00		43.00
Outlet temperature	Condensation temperature (dew)	°C	51.39		
Flow rate Kg/s m³/h kg/s 0.09593 1.865	Subcooling		4.00		
PLATE HEAT EXCHANGER	Outlet temperature	°C	47.29		50.00
Plate Plat	Flow rate	kg/s m³/h	0.09593		1.865
Total heat transfer area m² 1.68 Heat flux kW/m² 8.93 Mean temperature difference K 4.11 O.H.T.C. (available/required) W/m², °C 2170/2170 Pressure drop - total* kPa 1.13 12.7 - in ports (Inlet/Outlet) kPa -0.0279/8.46e-3 0.172 Operating pressure (outlet) kPa -0.0279/8.46e-3 0.172 Operating pressure (outlet) kPa 3150 Number of channels per pass 14 15 Number of plates 30 0 Oversurfacing % 0 0 Fouling factor m², °C/kW 0.000 0 Fouling factor mm 3.0/3.3.0 33.0/33.0 Recommended inlet connection diameter mm 6.07 - 13.6 13.6 Recommended outlet connection diameter mm 8.24 - 16.5 16.5 Resommended outlet connection diameter mm 8.24 - 16.5 16.5 Largest wall temperature difference K 0.185 0.50	Fluid condensed	kg/s	0.09593		
Heat flux			Side 1		Side 2
Mean temperature difference K 4.11 O.H.T.C. (available/required) W/m²,°C 2170/2170 Pressure drop - total* kPa 1.13 12.7 - in ports (Inlet/Outlet) kPa -0.0279/8.46e-3 0.172 Operating pressure (outlet) kPa 3150 14 15 Number of channels per pass 14 15 15 Number of plates 30 0 6 Oversurfacing % 0 0 6 Fouling factor mm 33.0/33.0 33.0/33.0 33.0/33.0 33.0/33.0 33.0/33.0 33.0/33.0 33.0/33.0 33.0/33.0 6.07 6 6 6 7 7 6 6 7 7 6 7 7 6 16					
O.H.T.C. (available/required) W/m², °C 2170/2170 Pressure drop - total* kPa 1.13 12.7 - in ports (inlet/Outlet) kPa 3.150 0.172 Operating pressure (outlet) kPa 3150 15 Number of channels per pass 14 15 Number of plates 30 0 Oversurfacing % 0.000 Fouling factor m², °C/kW 0.000 Port diameter (up/down) mm 33.0/33.0 Recommended inlet connection diameter mm 6.07 - 13.6 Recommended outlet connection diameter mm 8.24 - 16.5 Reynolds number mm 8.24 - 16.5 Responded outlet connection diameter mm 8.24 - 16.5 Reynolds number m/s 0.845 0.606 Channel velocity m/s 0.845 0.606 Channel velocity m/s 0.277 0.185 Shear stress Pa 21.9 Largest wall temperature difference K 0.18 Min./Max. wall temperature °C 51.35 46.50					
Pressure drop - total	Mean temperature difference	K			
- in ports (Inlet/Outlet) kPa 3150 Operating pressure (outlet) kPa 3150 Number of channels per pass 14 15 Number of plates		W/m²,°C		2170/2170	
Operating pressure (outlet) kPa 3150 Number of channels per pass 14 15 Number of plates 30 0 Oversurfacing % 0 Fouling factor m²,°C/kW 0.000 Port diameter (up/down) mm 33.0/33.0 Recommended inlet connection diameter mm 6.07 - 13.6 Recommended outlet connection diameter mm 8.24 - 16.5 Reynolds number 1041 Inlet Port velocity m/s 0.845 0.606 Channel velocity m/s 0.277 0.185 Shear stress Pa 21.9 Largest wall temperature difference K 0.18 Min./Max. wall temperature °C 43.65/51.32 43.57/51.13 *Excluding pressure drop in connections. *** Side 1 *** *PHYSICAL PROPERTIES *** Side 1 *** *Reference temperature °C 51.35 46.50 Liquid *** Dynamic viscosity cP 0.0800 0.581	Pressure drop - total*	kPa	1.13		12.7
Number of channels per pass 14 15 Number of plates 30 30 Oversurfacing % 0 Fouling factor m²,°C/kW 0.000 Port diameter (up/down) mm 33.0/33.0 33.0/33.0 Recommended inlet connection diameter mm 6.07 - 13.6 8 Recommended outlet connection diameter mm 8.24 - 16.5 8 Reynolds number 1041 1 1 Inlet Port velocity m/s 0.845 0.606 0 Channel velocity m/s 0.277 0.185 0.18 Shear stress Pa 21.9 21.9 Largest wall temperature difference K 0.18 0.18 Min./Max. wall temperature °C 43.65/51.32 43.57/51.13 *Excluding pressure drop in connections. **Side 1 Side 2 PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.35 46.50 Liquid • Dynamic viscosity cP 0.0800 0.581 • Density kJ/kg,°C 2.339 <t< td=""><td>- in ports (Inlet/Outlet)</td><td>kPa</td><td>-0.0279/8.46e-3</td><td>3</td><td>0.172</td></t<>	- in ports (Inlet/Outlet)	kPa	-0.0279/8.46e-3	3	0.172
Number of plates 30 Oversurfacing % 0 Fouling factor m², °C/kW 0.000 Port diameter (up/down) mm 33.0/33.0 33.0/33.0 Recommended inlet connection diameter mm 6.07 - 13.6 1041 Recommended outlet connection diameter mm 8.24 - 16.5 1041 Reynolds number mm 8.24 - 16.5 0.606 Channel velocity m/s 0.845 0.606 Channel velocity m/s 0.277 0.185 Shear stress Pa 21.9 Largest wall temperature difference K 0.18 Min./Max. wall temperature °C 43.65/51.32 43.57/51.13 *Excluding pressure drop in connections. PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.35 46.50 Liquid • Dynamic viscosity cP 0.0800 0.581 • Density kJ/kg, °C 2.339 4.180 • Thermal conductivity kJ/kg, °	Operating pressure (outlet)	kPa	3150		
Oversurfacing % 0 Fouling factor m²,°C/kW 0.000 Port diameter (up/down) mm 33.0/33.0 33.0/33.0 Recommended inlet connection diameter mm 6.07 - 13.6 1041 Recommended outlet connection diameter mm 8.24 - 16.5 1041 Reynolds number mm 8.24 - 16.5 0.606 Channel velocity m/s 0.845 0.606 Channel velocity m/s 0.277 0.185 Shear stress Pa 21.9 Largest wall temperature difference K 0.18 Min./Max. wall temperature °C 43.65/51.32 43.57/51.13 *Excluding pressure drop in connections. **Side 1 Side 2 PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.35 46.50 Liquid · Dynamic viscosity cP 0.0800 0.581 · Density kg/m³ 900.1 989.6 · Heat capacity kg/m 132.6 0.6393	Number of channels per pass		14		15
Fouling factor m², °C/kW 0.000 Port diameter (up/down) mm 33.0/33.0 33.0/33.0 Recommended inlet connection diameter mm 6.07 - 13.6 Recommended outlet connection diameter mm 8.24 - 16.5 Reynolds number 1041 Inlet Port velocity m/s 0.845 0.606 Channel velocity m/s 0.277 0.185 Shear stress Pa 21.9 Largest wall temperature difference K 0.18 Min./Max. wall temperature °C 43.65/51.32 43.57/51.13 *Excluding pressure drop in connections. PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.35 46.50 Liquid • Dynamic viscosity cP 0.0800 0.581 • Density kg/m³ 900.1 989.6 • Heat capacity kJ/kg, °C 2.339 4.180 • Thermal conductivity W/m, °C 0.07921 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 132.6 • Heat capacity kJ/kg, °C 1.681 • Thermal conductivity kg/m³ 132.6 • Heat capacity kJ/kg, °C 1.681 • Thermal conductivity KJ/kg 133.5 Film coefficient W/m², °C 3310 12400	Number of plates			30	
Port diameter (up/down) mm 33.0/33.0 33.0/33.0 Recommended inlet connection diameter mm 6.07 - 13.6 Recommended outlet connection diameter mm 8.24 - 16.5 Reynolds number 1041 Inlet Port velocity m/s 0.845 0.606 Channel velocity m/s 0.277 0.185 Shear stress Pa 21.9 Largest wall temperature difference K 0.18 Min./Max. wall temperature °C 43.65/51.32 43.57/51.13 *Excluding pressure drop in connections. PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.35 46.50 Liquid • Dynamic viscosity cP 0.0800 0.581 • Density kg/m³ 900.1 989.6 • Heat capacity kJ/kg, °C 2.339 4.180 • Thermal conductivity kg/m³ 132.6 • Heat capacity kg/m³ 132.6 • Heat capacity kg/m³ 132.6	Oversurfacing	%		0	
Recommended inlet connection diameter mm 6.07 - 13.6 Reynolds number 1041 Inlet Port velocity m/s 0.845 0.606 Channel velocity m/s 0.277 0.185 Shear stress Pa 21.9 Largest wall temperature difference K 0.18 Min./Max. wall temperature °C 43.65/51.32 43.57/51.13 *Excluding pressure drop in connections. PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.35 46.50 Liquid • Dynamic viscosity cP 0.0800 0.581 • Density kg/m³ 900.1 989.6 • Heat capacity kJ/kg, °C 2.339 4.180 • Thermal conductivity W/m, °C 0.07921 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 132.6 • Heat capacity kJ/kg, °C 1.681 • Thermal conductivity W/m, °C 0.01405 <	Fouling factor	m^2 , °C/kW		0.000	
Recommended outlet connection diameter mm 8.24 - 16.5 Reynolds number 1041 Inlet Port velocity m/s 0.845 0.606 Channel velocity m/s 0.277 0.185 Shear stress Pa 21.9 Largest wall temperature difference K 0.18 Min./Max. wall temperature °C 43.65/51.32 43.57/51.13 *Excluding pressure drop in connections. PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.35 46.50 Liquid • Dynamic viscosity cP 0.0800 0.581 • Density kg/m³ 900.1 989.6 • Heat capacity kJ/kg, °C 2.339 4.180 • Thermal conductivity W/m, °C 0.07921 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 132.6 • Heat capacity kJ/kg, °C 1.681 • Thermal conductivity W/m, °C 0.01405 <	Port diameter (up/down)	mm	33.0/33.0		33.0/33.0
Reynolds number 1041 Inlet Port velocity	Recommended inlet connection diameter	mm	6.07 - 13.6		
Inlet Port velocity m/s 0.845 0.606 Channel velocity m/s 0.277 0.185 Shear stress Pa 21.9 Largest wall temperature difference K 0.18 Min./Max. wall temperature °C 43.65/51.32 43.57/51.13 *Excluding pressure drop in connections. PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.35 46.50 Liquid • Dynamic viscosity cP 0.0800 0.581 • Density kg/m³ 900.1 989.6 • Heat capacity kJ/kg, °C 2.339 4.180 • Thermal conductivity W/m, °C 0.07921 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 132.6 • Heat capacity kJ/kg, °C 1.681 • Thermal conductivity W/m, °C 0.01405 • Latent heat kJ/kg 133.5 Film coefficient W/m², °C 3310	Recommended outlet connection diameter	mm	8.24 - 16.5		
Channel velocity m/s 0.277 0.185 Shear stress Pa 21.9 Largest wall temperature difference K 0.18 Min./Max. wall temperature °C 43.65/51.32 43.57/51.13 *Excluding pressure drop in connections. PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.35 46.50 Liquid • Dynamic viscosity cP 0.0800 0.581 • Density kg/m³ 900.1 989.6 • Heat capacity kJ/kg,°C 2.339 4.180 • Thermal conductivity W/m,°C 0.07921 0.6393 Vapor • Dynamic viscosity cP 0.0146 0.6393 • Density kg/m³ 132.6 0.6393 • Heat capacity kJ/kg,°C 1.681 0.01405 0.01405 • Heat capacity kJ/kg 133.5 0.01405 0.01405 0.01405 • Latent heat kJ/kg 133.5 0.01405 0.01405 0.01405 0.0140	Reynolds number				1041
Shear stress Pa 21.9 Largest wall temperature difference K 0.18 Min./Max. wall temperature °C 43.65/51.32 43.57/51.13 *Excluding pressure drop in connections. PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.35 46.50 Liquid • Dynamic viscosity cP 0.0800 0.581 • Density kg/m³ 900.1 989.6 • Heat capacity kJ/kg,°C 2.339 4.180 • Thermal conductivity W/m,°C 0.07921 0.6393 Vapor • Dynamic viscosity cP 0.0146 0.6393 • Heat capacity kJ/kg,°C 1.681 0.01405 • Heat capacity kJ/kg,°C 1.681 0.01405 • Latent heat kJ/kg 133.5 133.5 Film coefficient W/m²,°C 3310 12400	Inlet Port velocity	m/s	0.845		0.606
Largest wall temperature difference K 0.18 Min./Max. wall temperature °C 43.65/51.32 43.57/51.13 *Excluding pressure drop in connections. Side 1 Side 2 PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.35 46.50 Liquid • Dynamic viscosity cP 0.0800 0.581 • Density kg/m³ 900.1 989.6 • Heat capacity kJ/kg, °C 2.339 4.180 • Thermal conductivity W/m, °C 0.07921 0.6393 • Density kg/m³ 132.6 40.04 • Heat capacity kJ/kg, °C 1.681 40.04 • Thermal conductivity W/m, °C 0.01405 40.04 • Latent heat kJ/kg 133.5 133.5 Film coefficient W/m², °C 3310 12400	Channel velocity	m/s	0.277		0.185
Min./Max. wall temperature °C 43.65/51.32 43.57/51.13 *Excluding pressure drop in connections. Side 1 Side 2 Reference temperature °C 51.35 46.50 Liquid • Dynamic viscosity cP 0.0800 0.581 • Density kg/m³ 900.1 989.6 • Heat capacity kJ/kg, °C 2.339 4.180 • Thermal conductivity W/m, °C 0.07921 0.6393 Vapor • Dynamic viscosity cP 0.0146 0.6393 • Density kg/m³ 132.6 0.681 • Heat capacity kJ/kg, °C 1.681 0.01405 • Latent heat kJ/kg 133.5 Film coefficient W/m², °C 3310 12400	Shear stress	Pa			21.9
*Excluding pressure drop in connections. PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.35 46.50 Liquid • Dynamic viscosity cP 0.0800 0.581 • Density kg/m³ 900.1 989.6 • Heat capacity kJ/kg,°C 2.339 4.180 • Thermal conductivity W/m,°C 0.07921 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 132.6 • Heat capacity kJ/kg,°C 1.681 • Thermal conductivity W/m,°C 0.01405 • Latent heat kJ/kg 133.5 Film coefficient W/m²,°C 3310 12400	Largest wall temperature difference	K		0.18	
PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.35 46.50 Liquid • Dynamic viscosity cP 0.0800 0.581 • Density kg/m³ 900.1 989.6 • Heat capacity kJ/kg,°C 2.339 4.180 • Thermal conductivity W/m,°C 0.07921 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 132.6 • Heat capacity kJ/kg,°C 1.681 • Thermal conductivity W/m,°C 0.01405 • Latent heat kJ/kg 133.5 Film coefficient W/m²,°C 3310 12400	Min./Max. wall temperature	°C	43.65/51.32		43.57/51.13
Reference temperature °C 51.35 46.50 Liquid • Dynamic viscosity cP 0.0800 0.581 • Density kg/m³ 900.1 989.6 • Heat capacity kJ/kg,°C 2.339 4.180 • Thermal conductivity W/m,°C 0.07921 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 132.6 • Heat capacity kJ/kg,°C 1.681 • Thermal conductivity W/m,°C 0.01405 • Latent heat kJ/kg 133.5 Film coefficient W/m²,°C 3310 12400	*Excluding pressure drop in connections.				
Liquid • Dynamic viscosity cP 0.0800 0.581 • Density kg/m³ 900.1 989.6 • Heat capacity kJ/kg,°C 2.339 4.180 • Thermal conductivity W/m,°C 0.07921 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 132.6 • Heat capacity kJ/kg,°C 1.681 • Thermal conductivity W/m,°C 0.01405 • Latent heat kJ/kg 133.5 Film coefficient W/m²,°C 3310 12400					
• Density kg/m³ 900.1 989.6 • Heat capacity kJ/kg,°C 2.339 4.180 • Thermal conductivity W/m,°C 0.07921 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 132.6 • Heat capacity kJ/kg,°C 1.681 • Thermal conductivity W/m,°C 0.01405 • Latent heat kJ/kg 133.5 Film coefficient W/m²,°C 3310 12400	·				
• Heat capacity kJ/kg,°C 2.339 4.180 • Thermal conductivity W/m,°C 0.07921 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 132.6 • Heat capacity kJ/kg,°C 1.681 • Thermal conductivity W/m,°C 0.01405 • Latent heat kJ/kg 133.5 Film coefficient W/m²,°C 3310 12400	'				
• Thermal conductivity W/m,°C 0.07921 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 132.6 • Heat capacity kJ/kg,°C 1.681 • Thermal conductivity W/m,°C 0.01405 • Latent heat kJ/kg 133.5 Film coefficient W/m²,°C 3310 12400	•				
Vapor • Dynamic viscositycP0.0146• Densitykg/m³132.6• Heat capacitykJ/kg,°C1.681• Thermal conductivityW/m,°C0.01405• Latent heatkJ/kg133.5Film coefficientW/m²,°C331012400					
• Density kg/m³ 132.6 • Heat capacity kJ/kg,°C 1.681 • Thermal conductivity W/m,°C 0.01405 • Latent heat kJ/kg 133.5 Film coefficient W/m²,°C 3310 12400	•	·			0.6393
 Heat capacity Thermal conductivity Latent heat Film coefficient kJ/kg,°C 0.01405 133.5 W/m²,°C 3310 12400 	· · · · · · · · · · · · · · · · · · ·				
 Thermal conductivity Latent heat Film coefficient W/m²,°C 0.01405 kJ/kg 133.5 W/m²,°C 3310 12400 	•	-			
• Latent heat kJ/kg 133.5 Film coefficient W/m²,°C 3310 12400		-			
Film coefficient W/m²,°C 3310 12400	•				
TOTALS Side 1 Side 2	Film coefficient	W/m²,°C	3310		12400
	TOTALS		Side 1		Side 2



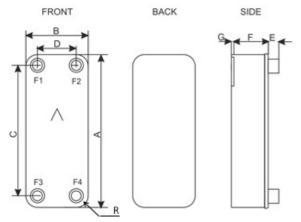
Date: 01/10/2022



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TOTALS	Side 1	Side 2
Total weight (no connections)*	kg	5.37 - 6.19
Hold-up volume (Inner Circuit)	dm³	1.32
Estimated refrigerant charge	kg	0.42
Hold-up volume (Outer Circuit)	dm³	1.41
Port size F1/P1	mm	33
Port size F2/P2	mm	33
Port size F3/P3	mm	33
Port size F4/P4	mm	33
Carbon footprint	kg	43.49
*Weight depends on the selected product.	-	

DIMENSIONS



A*	mm	524 - 526 ±2
B*	mm	117 - 119 ±1
С	mm	470 ±1
D	mm	63 ±1
E*	mm	20 - 27 / 45 ±1
F*	mm	59.2 - 65.2 ±3%
G	mm	6 ±1
R	mm	23

^{*}Dimensions depend on the selected product.

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.



Date: 01/10/2022

^{*}This is a schematic sketch. For correct drawings please use the order drawing function or contact your SWEP representative.