



CONDENSER - PERFORMANCE HEAT EXCHANGER: B85Hx34/1P

SWEP SSP G8 2022.824.1.0

Date: 01/10/2022

SSP Alias: B85

Fluid Flui	DUTY REQUIREMENTS		Side 1		Side 2
Circuit kW Inner Outer Heat load 1,000 15,00 Intel vapor quality 0,000 43,00 Outlet vapor quality °C 60,000 43,00 Condensation temperature (dew) °C 51,12 50,00 Subcooling K 4,00 40,00 Outlet temperature °C 47,02 50,00 Flow rate kg/s m³h 0,09531 1,865 Fluid condensed kg/s 0,09531 1,865 PLATE HEAT EXCHANGER Side 1 \$1,92 PLATE HEAT EXCHANGER Side 1 \$1,92 PLATE HEAT EXCHANGER Side 1	Fluid		R410A		Water
Heat load KW	Flow type		Cou	ınter-Current	
Inlet vapor quality	Circuit		Inner		Outer
Outlet vapor quality 0.000 Inlet temperature °C 60.00 43.00 Condensation temperature (dew) °C 51.12 State of the product o	Heat load	kW		15.00	
Inlet temperature	Inlet vapor quality				
Condensation temperature (dew) C Si.12 Subcooling K 4.00	Outlet vapor quality		0.000		
Subcooling K 4,00 Outlet temperature °C 47.02 50.00 Flow rate kg/s 0.09531 1.865 Fluid condensed kg/s 0.09531 1.865 FLATE HEAT EXCHANGER Side 1 1.92 Heat flux kW/m² 7.81 Heat flux feat race m² 1.92 Heat flux feat race KW/m² 7.81 Mean temperature difference K 3.86 0 O.H.T.C. (available/required) Wm² c 2020/2020 0 Pressure drop - total* kPa 0.702 10.1 1 - in ports (Inlet/Outlet) kPa -0.0277/8.34e-3 0.172 0 172 Operating pressure (outlet) kPa -0.0277/8.34e-3 0.172 0.172 0 172 0 172 0 172 0 0 172 0 172 0 0 172 0 0 172 0 0 </td <td>Inlet temperature</td> <td></td> <td>60.00</td> <td></td> <td>43.00</td>	Inlet temperature		60.00		43.00
Outlet temperature °C 47.02 50.00 Flow rate kg/s m³/h 0.09531 1.865 Fluid condensed kg/s 0.09531 1.865 PLATE HEAT EXCHANGER Side 1 Side 2 Total heat transfer area m² 1.92 7.81 1.92 Heat flux kW/m² 7.81 7.81 Mean temperature difference K 3.86 0 O.H.T.C. (available/required) W/m², °C 2020/2020 10.1 Pressure drop - total* kPa 0.702 0.172 10.1 1.7 Operating pressure (outlet) kPa 3130 0.172 1.7 1.7 Operating pressure (outlet) kPa 3130 0.172 1.7 1.7 Number of plates of plates % 0 0 0.001 1.7 Pouling factor m², °C/kW 0.001 3.0/33.0 33.0/33.0 33.0/33.0 1.86 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	Condensation temperature (dew)	°C			
Flow rate Kg/s m³/h 0.09531 1.865	Subcooling				
PLATE HEAT EXCHANGER	Outlet temperature	°C	47.02		50.00
Plate Plat		kg/s m³/h			1.865
Total heat transfer area m² 1.92 Heat flux kW/m² 7.81 Mean temperature difference K 3.86 O.H.T.C. (available/required) W/m², °C 2020/2020 Pressure drop - total* kPa 0.702 10.1 - in ports (Inlet/Outlet) kPa -0.0277/8.34e-3 0.172 Operating pressure (outlet) kPa 3130 17 Number of channels per pass 16 17 Number of plates 34 0 Oversurfacing % 0 Fouling factor m², °C/kW 0.001 Fouling factor mm 33.0/33.0 Recommended inlet connection diameter mm 6.08 + 13.6 Recommended outlet connection diameter mm 8.20 - 16.4 Recommended outlet connection diameter mm 8.20 - 16.4 Reproduct number ms 0.847 0.606 Inlet Port velocity m/s 0.847 0.606 Channel velocity m/s 0.243 0.163 <t< td=""><td>Fluid condensed</td><td>kg/s</td><td>0.09531</td><td></td><td></td></t<>	Fluid condensed	kg/s	0.09531		
Heat flux KW/m² 7.81 Mean temperature difference K 3.86 CO.H.T.C. (available/required) W/m², °C 2020/2020 Pressure drop - total* KPa 0.702 10.1			Side 1		Side 2
Mean temperature difference K 3.86 O.H.T.C. (available/required) W/m²,°C 2020/2020 Pressure drop - total* kPa 0.702 10.1 - in ports (Inlet/Outlet) kPa -0.0277/8.34e-3 0.172 Operating pressure (outlet) kPa 3130 17 Number of channels per pass 16 17 Number of plates 34 0 Oversurfacing % 0 0 Fouling factor m²,°C/kW 0.001 0 Port diameter (up/down) mm 33.0/33.0 33.0/33.0 Recommended inlet connection diameter mm 6.08 - 13.6 8 Recommended outlet connection diameter mm 8.20 - 16.4 8 Reynolds number mm 8.20 - 16.4 9 Responds number mm 8.20 - 16.4 8 Responds number m/s 0.847 0.606 Channel velocity m/s 0.243 0.163 Shear stress Pa 17.4 17.4 <td></td> <td></td> <td></td> <td></td> <td></td>					
O.H.T.C. (available/required) W/m²,°C 2020/2020 Pressure drop - total* kPa 0.702 10.1 - in ports (inlet/Outlet) kPa 0.0277/8.34e-3 0.172 Operating pressure (outlet) kPa 3130 17 Number of channels per pass 16 17 Number of plates 34 0 Oversurfacing % 0 Fouling factor m²,°C/kW 0.001 Port diameter (up/down) mm 33.0/33.0 Recommended inlet connection diameter mm 6.08 - 13.6 Recommended outlet connection diameter mm 8.20 - 16.4 Responded outlet connection diameter mm 8.20 - 16.4 Responded outlet connection diameter mm 8.24 - 16.4 Responded outlet connection diameter mm 8.20 - 16.4 Responded outlet connection diameter mm 8.24 - 16.4 Responded outlet connection diameter mm 8.20 - 16.4 Responded outlet connection diameter mm 8.20 - 16.4 Responded outlet connection diameter					
Pressure drop - total* kPa 0.702 10.1 - in ports (Inlet/Outlet) kPa -0.0277/8.34e-3 0.172 Operating pressure (outlet) kPa 3130 17 Number of channels per pass 16 17 Number of plates 34 2 Oversurfacing % 0 0 Fouling factor m²°, °C/kW 0.001 0.001 Port diameter (up/down) mm 33.0/33.0 33.0/33.0 Recommended inlet connection diameter mm 6.08 - 13.6 8 Recommended outlet connection diameter mm 8.20 - 16.4 8 Resommended outlet connection diameter mm 8.20 - 16.4 8 Resommended outlet connection diameter mm 8.20 - 16.4 918.6 Inlet Port velocity m/s 0.847 0.606 Channel velocity m/s 0.243 0.163 Shear stress Pa 17.4 Largest wall temperature difference K 0.16 Min./Max. wall temperature °C<	•				
- in ports (Inlet/Outlet) kPa 3130 Operating pressure (outlet) kPa 3130 Number of channels per pass Number of plates Oversurfacing % 0 Fouling factor mm 33.0/33.0 Recommended inlet connection diameter mm 6.08 - 13.6 Recommended outlet connection diameter mm 8.20 - 16.4 Reynolds number m/s 0.847 0.606 Channel velocity m/s 0.243 0.163 Shear stress Pa 17.4 Largest wall temperature difference K Min./Max. wall temperature **Excluding pressure drop in connections.** PHYSICAL PROPERTIES Reference temperature **C 51.07 46.50 Liquid • Dynamic viscosity cP 0.0804 0.551 • Density kg/m³ 902.3 989.6 • Thermal conductivity W/m°, °C 0.07942 0.6393 Vapor • Dynamic viscosity cP 0.01403 • Latent heat kJ/kg 134.2 Film coefficient W/m°, °C 3140 11400				2020/2020	
Operating pressure (outlet) kPa 3130 Number of channels per pass 16 17 Number of plates 34 0 Oversurfacing % 0 Fouling factor m²,°C/kW 0.001 Port diameter (up/down) mm 33.0/33.0 Recommended inlet connection diameter mm 6.08 - 13.6 Recommended outlet connection diameter mm 8.20 - 16.4 Reynolds number 918.6 Inlet Port velocity m/s 0.847 0.606 Channel velocity m/s 0.243 0.163 Shear stress Pa 17.4 Largest wall temperature difference K 0.16 *Min./Max. wall temperature °C 43.58/51.24 43.50/51.08 *Excluding pressure drop in connections. ** Side 1 Side 2 *Reference temperature °C 51.07 46.50 *Liquid * Dynamic viscosity cP 0.0804 0.581 * Density kg/m³ 90.2.3 989.6 <					
Number of channels per pass 16 17 Number of plates 34 Oversurfacing % 0 Fouling factor m²,°C/kW 0.001 Port diameter (up/down) mm 33.0/33.0 33.0/33.0 Recommended inlet connection diameter mm 6.08 - 13.6 8 Recommended outlet connection diameter mm 8.20 - 16.4 8 Reynolds number 918.6 1 918.6 Inlet Port velocity m/s 0.847 0.606 Channel velocity m/s 0.243 0.163 Shear stress Pa 17.4 Largest wall temperature difference K 0.16 Min./Max. wall temperature °C 43.58/51.24 43.50/51.08 *Excluding pressure drop in connections. **Side 1 Side 2 PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.07 46.50 Liquid • Dynamic viscosity cP 0.0804 0.581 • Density kg/m³ 902.3 989.6 • Heat capacity kJ/kg, °C				3	0.172
Number of plates 34 Oversurfacing % 0 0 Fouling factor m², °C/kW 0.001 0.001 Port diameter (up/down) mm 33.0/33.0 33.0/33.0 Recommended inlet connection diameter mm 6.08 - 13.6 8.20 - 16.4 Recommended outlet connection diameter mm 8.20 - 16.4 8.20 - 16.4 Recommended outlet connection diameter mm 8.20 - 16.4 8.20 - 16.4 Recommended outlet connection diameter mm 8.20 - 16.4 8.20 - 16.4 Recommended outlet connection diameter mm 8.24 - 16.4 8.20 - 16.4 Recommended outlet connection diameter mm 8.20 - 16.4 8.20 - 16.4 Recommended outlet connection diameter mm 8.20 - 16.4 8.20 - 16.4 8.20 - 16.6 Inlet Port velocity m/s 0.847 0.606 0.606 0.16 8.20 - 16.7 0.606 0.163 1.74 1.20 - 1.20 1.20 1.20 43.50/51.08 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20 1.20		kPa			
Oversurfacing % 0 Fouling factor m²,°C/kW 0.001 Port diameter (up/down) mm 33.0/33.0 33.0/33.0 Recommended inlet connection diameter mm 6.08 - 13.6 8.20 - 16.4 Recommended outlet connection diameter mm 8.20 - 16.4 8.20 - 16.4 Reynolds number mm 8.20 - 16.4 918.6 Inlet Port velocity m/s 0.847 0.606 Channel velocity m/s 0.243 0.163 Shear stress Pa 17.4 Largest wall temperature difference K 0.16 Min./Max. wall temperature °C 43.58/51.24 43.50/51.08 *Excluding pressure drop in connections. *Side 1 Side 2 PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.07 46.50 Liquid · Dynamic viscosity cP 0.0804 0.581 · Density kg/m³ 902.3 989.6 · Heat capacity kg/m 131.5 <td></td> <td></td> <td>16</td> <td></td> <td>17</td>			16		17
Fouling factor m², °C/kW 0.001 Port diameter (up/down) mm 33.0/33.0 33.0/33.0 Recommended inlet connection diameter mm 6.08 - 13.6 Recommended outlet connection diameter mm 8.20 - 16.4 Reynolds number 918.6 Inlet Port velocity m/s 0.847 0.606 Channel velocity m/s 0.243 0.163 Shear stress Pa 17.4 Largest wall temperature difference K 0.16 Min./Max. wall temperature °C 43.58/51.24 43.50/51.08 PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature connections PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature connections PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature connections kg/m³ 902.3 989.6 • Heat capacity kg/m³ 902.3 989.6 • Thermal conductivity W/m, °C 2.323 4.180 • Thermal conductivity W/m, °C 0.07942 0.6393 • Density kg/m³ 131.5 • Heat capacity kJ/kg, °C 1.670 • Thermal conductivity kg/m³ 131.5 • Heat capacity kJ/kg, °C 0.01403 • Latent heat kJ/kg 134.2 Film coefficient W/m², °C 3140 11400	·			34	
Port dameter (up/down) mm 33.0/33.0 33.0/33.0 Recommended inlet connection diameter mm 6.08 - 13.6 Recommended outlet connection diameter mm 8.20 - 16.4 Reynolds number 918.6 Inlet Port velocity m/s 0.847 0.606 Channel velocity m/s 0.243 0.163 Shear stress Pa 17.4 Largest wall temperature difference K 0.16 Min./Max. wall temperature °C 43.58/51.24 43.50/51.08 *Excluding pressure drop in connections. **Side 1 Side 2 *PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.07 46.50 Liquid • Dynamic viscosity cP 0.0804 0.581 • Density kg/m³ 902.3 989.6 • Heat capacity kJ/kg, °C 2.323 4.180 • Thermal conductivity kg/m³ 131.5 • Heat capacity kg/m³ 131.5 • Heat capacity				-	
Recommended inlet connection diameter mm 6.08 - 13.6 Recommended outlet connection diameter mm 8.20 - 16.4 Reynolds number 918.6 Inlet Port velocity m/s 0.847 0.606 Channel velocity m/s 0.243 0.163 Shear stress Pa 17.4 Largest wall temperature difference K 0.16 Min./Max. wall temperature °C 43.58/51.24 43.50/51.08 *Excluding pressure drop in connections. PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.07 46.50 Liquid • Dynamic viscosity cP 0.0804 0.581 • Density kg/m³ 902.3 989.6 • Heat capacity kJ/kg, °C 2.323 4.180 • Thermal conductivity W/m, °C 0.07942 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 131.5 • Heat capacity kJ/kg, °C 1.670		m²,°C/kW		0.001	
Recommended outlet connection diameter mm 8.20 - 16.4 Reynolds number 918.6 Inlet Port velocity m/s 0.847 0.606 Channel velocity m/s 0.243 0.163 Shear stress Pa 17.4 Largest wall temperature difference K 0.16 Min./Max. wall temperature °C 43.58/51.24 43.50/51.08 *Excluding pressure drop in connections. PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.07 46.50 Liquid • Dynamic viscosity cP 0.0804 0.581 • Density kg/m³ 902.3 989.6 • Heat capacity kJ/kg, °C 2.323 4.180 • Thermal conductivity W/m, °C 0.07942 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 131.5 • Heat capacity kJ/kg, °C 1.670 • Thermal conductivity W/m, °C 0.01403		mm	33.0/33.0		33.0/33.0
Reynolds number 918.6		mm	6.08 - 13.6		
Inlet Port velocity m/s 0.847 0.606 Channel velocity m/s 0.243 0.163 Shear stress Pa 17.4 Largest wall temperature difference K 0.16 Min./Max. wall temperature °C 43.58/51.24 43.50/51.08 *Excluding pressure drop in connections. PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.07 46.50 Liquid • Dynamic viscosity cP 0.0804 0.581 • Density kg/m³ 902.3 989.6 • Heat capacity kJ/kg, °C 2.323 4.180 • Thermal conductivity W/m, °C 0.07942 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 131.5 • Heat capacity kg/m³ 131.5 • Heat capacity kg/m° 1.670 • Thermal conductivity W/m, °C 0.01403 • Latent heat kJ/kg 134.2 Fil	Recommended outlet connection diameter	mm	8.20 - 16.4		
Channel velocity m/s 0.243 0.163 Shear stress Pa 17.4 Largest wall temperature difference K 0.16 Min./Max. wall temperature °C 43.58/51.24 43.50/51.08 *Excluding pressure drop in connections. PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.07 46.50 Liquid • Dynamic viscosity cP 0.0804 0.581 • Density kg/m³ 902.3 989.6 • Heat capacity kJ/kg,°C 2.323 4.180 • Thermal conductivity W/m,°C 0.07942 0.6393 Vapor • Dynamic viscosity cP 0.0146 0.6393 • Density kg/m³ 131.5 0.6393 • Heat capacity kJ/kg,°C 1.670 0.01403 • Thermal conductivity W/m,°C 0.01403 0.01403 • Latent heat kJ/kg 134.2 11400	Reynolds number				918.6
Shear stress Pa 17.4 Largest wall temperature difference K 0.16 Min./Max. wall temperature °C 43.58/51.24 43.50/51.08 *Excluding pressure drop in connections. Side 1 Side 2 PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.07 46.50 Liquid • Dynamic viscosity cP 0.0804 0.581 • Density kg/m³ 902.3 989.6 • Heat capacity kJ/kg,°C 2.323 4.180 • Thermal conductivity W/m,°C 0.07942 0.6393 • Density kg/m³ 131.5 0.6393 • Heat capacity kJ/kg,°C 1.670 0.0146 • Density kJ/kg,°C 1.670 0.01403 • Latent heat kJ/kg 134.2 Film coefficient W/m²,°C 3140 11400	Inlet Port velocity	m/s	0.847		0.606
Largest wall temperature difference K 0.16 Min./Max. wall temperature °C 43.58/51.24 43.50/51.08 *Excluding pressure drop in connections. Side 1 Side 2 PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.07 46.50 Liquid • Dynamic viscosity cP 0.0804 0.581 • Density kg/m³ 902.3 989.6 • Heat capacity kJ/kg, °C 2.323 4.180 • Thermal conductivity W/m, °C 0.07942 0.6393 • Density kg/m³ 131.5 CP 0.0146 • Density kJ/kg, °C 1.670 CO 0.01403 • Thermal conductivity W/m, °C 0.01403 0.01403 0.01403 • Latent heat kJ/kg 134.2 11400 11400		m/s	0.243		0.163
Min./Max. wall temperature °C 43.58/51.24 43.50/51.08 *Excluding pressure drop in connections. Side 1 Side 2 Reference temperature °C 51.07 46.50 Liquid • Dynamic viscosity cP 0.0804 0.581 • Density kg/m³ 902.3 989.6 • Heat capacity kJ/kg,°C 2.323 4.180 • Thermal conductivity W/m,°C 0.07942 0.6393 Vapor • Dynamic viscosity cP 0.0146 0.6393 • Density kg/m³ 131.5 0.670 • Thermal conductivity W/m,°C 0.01403 0.01403 • Latent heat kJ/kg 134.2 Film coefficient W/m²,°C 3140 11400	Shear stress	Pa			17.4
*Excluding pressure drop in connections. PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.07 46.50 Liquid • Dynamic viscosity cP 0.0804 0.581 • Density kg/m³ 902.3 989.6 • Heat capacity kJ/kg,°C 2.323 4.180 • Thermal conductivity W/m,°C 0.07942 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 131.5 • Heat capacity kJ/kg,°C 1.670 • Thermal conductivity W/m,°C 0.01403 • Latent heat kJ/kg 134.2 Film coefficient W/m²,°C 3140 11400	Largest wall temperature difference			0.16	
PHYSICAL PROPERTIES Side 1 Side 2 Reference temperature °C 51.07 46.50 Liquid • Dynamic viscosity cP 0.0804 0.581 • Density kg/m³ 902.3 989.6 • Heat capacity kJ/kg,°C 2.323 4.180 • Thermal conductivity W/m,°C 0.07942 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 131.5 • Heat capacity kJ/kg,°C 1.670 • Thermal conductivity W/m,°C 0.01403 • Latent heat kJ/kg 134.2 Film coefficient W/m²,°C 3140 11400	Min./Max. wall temperature	°C	43.58/51.24		43.50/51.08
Reference temperature °C 51.07 46.50 Liquid • Dynamic viscosity cP 0.0804 0.581 • Density kg/m³ 902.3 989.6 • Heat capacity kJ/kg,°C 2.323 4.180 • Thermal conductivity W/m,°C 0.07942 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 131.5 • Heat capacity kJ/kg,°C 1.670 • Thermal conductivity W/m,°C 0.01403 • Latent heat kJ/kg 134.2 Film coefficient W/m²,°C 3140 11400	*Excluding pressure drop in connections.				
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• Thermal conductivity W/m,°C 0.07942 0.6393 Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 131.5 • Heat capacity kJ/kg,°C 1.670 • Thermal conductivity W/m,°C 0.01403 • Latent heat kJ/kg 134.2 Film coefficient W/m²,°C 3140 11400	•				
Vapor • Dynamic viscositycP0.0146• Densitykg/m³131.5• Heat capacitykJ/kg,°C1.670• Thermal conductivityW/m,°C0.01403• Latent heatkJ/kg134.2Film coefficientW/m²,°C314011400					
• Density kg/m³ 131.5 • Heat capacity kJ/kg,°C 1.670 • Thermal conductivity W/m,°C 0.01403 • Latent heat kJ/kg 134.2 Film coefficient W/m²,°C 3140 11400	•	·			0.6393
 Heat capacity Thermal conductivity Latent heat Film coefficient kJ/kg,°C 0.01403 134.2 W/m²,°C 3140 11400 	· · · · · · · · · · · · · · · · · · ·				
 Thermal conductivity Latent heat Film coefficient W/m,°C 0.01403 kJ/kg 134.2 W/m²,°C 3140 11400 	•	-			
• Latent heat kJ/kg 134.2 Film coefficient W/m²,°C 3140 11400	· ·	•			
Film coefficient W/m²,°C 3140 11400	•				
TOTALS Side 1 Side 2	Film coefficient	W/m²,°C	3140		11400
	TOTALS		Side 1		Side 2



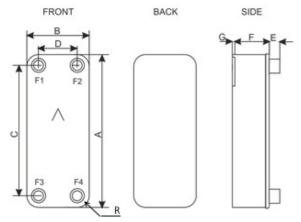
Date: 01/10/2022



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TOTALS	Side 1	Side 2
Total weight (no connections)*	kg	5.91 - 6.74
Hold-up volume (Inner Circuit)	dm³	1.5
Estimated refrigerant charge	kg	0.47
Hold-up volume (Outer Circuit)	dm³	1.6
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	47.34
*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	66.56 - 72.56 ±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.