



## CONDENSER - PERFORMANCE HEAT EXCHANGER: B25THx26/1P

SWEP SSP G8 2022.824.1.0

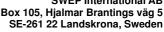
Date: 01/10/2022

SSP Alias: B25T

Fluid   Flui	DUTY REQUIREMENTS		Side 1		Side 2
Circuit         kW         Inner         Outer           Heat load         1,000         1,000           Inlet vapor quality         0,000         43,00           Condensation temperature (dew)         °C         60,00         43,00           Condensation temperature (dew)         °C         51,23         50,00           Subcooling         K         4,00         50,00           Plant temperature         °C         47,13         50,00           Flow rate         kg/s   m³h   0,06371         1,243           Fluid condensed         kg/s   0,06371         1,243           Fluid condensed         kg/m³         0,1760/7         0,777         0,777         0,777	Fluid		R410A		Water
Heat load   KW	Flow type		Cou	Inter-Current	
Inlet vapor quality	Circuit		Inner		Outer
Outlet vapor quality         0.000           Inlet temperature         °C         60.00         43.00           Condensation temperature (dew)         °C         51.23           Subcooling         K         4.00           Outlet temperature         °C         47.13         50.00           Flow rate         kg/s   m³/h         0.06371         1.243           Fluid condensed         kg/s   m³/h         0.06371         1.243           Fluid condensed         kg/s   m³/h         0.06371         1.243           Fluid condensed         kg/s   0.06371         1.243           Fluid condensed condensed condensed condensed condensed condense c	Heat load	kW		10.00	
Inlet temperature	Inlet vapor quality		1.000		
Condensation temperature (dew)   C   Si 23   Subcooling   K   4.00	Outlet vapor quality		0.000		
Subcooling         K CUIIet temperature         4,00 °C         47.13 47.13         50.00 50.00           Flow rate Flow rate Flow rate         kg/s   m³/h   0.06371         1.243           Flow rate Flow rate         kg/s   0.06371         1.243           PLATE HEAT EXCHANGER         Side 1         Side 2           Total heat transfer area         m²   1.51         1.51           Heat flux         kW/m²   6.61         6.61           Mean temperature difference         K   3.77         0.01 T.C (available/required)         7.77           OH.T.C (available/required)         W/m² c   1760/1750         7.77           Pressure drop - total*         kPa   0.341   7.77         7.77           - in ports (inlet/Outlet)         kPa   0.341   7.77         7.77           Operating pressure (outlet)         kPa   0.0438/0.0134   0.273         0.273           Number of channels per pass         12   13         13           Number of plates         26         0         0           Oversurfacing         %   0         0         0           Fouling factor         m², °C/kW         0.001         0.24.0/24.0           Recommended intel connection diameter         mm   4.96 - 11.1         4.07         0.763           Channel velocity         m/s	Inlet temperature	°C	60.00		43.00
Outlet temperature	Condensation temperature (dew)	°C	51.23		
Flow rate   Kg/s   m³/h kg/s   0.06371   1.243	Subcooling		4.00		
PLATE HEAT EXCHANGER	Outlet temperature	°C	47.13		50.00
Plate   Heat Exchanger   Total heat transfer area   m²   1.51	Flow rate	kg/s   m³/h	0.06371		1.243
Total heat transfer area         m²         1.51           Heat flux         kW/m²         6.61           Mean temperature difference         K         3.77           O.H.T.C. (available/required)         W/m², °C         1760/1750           Pressure drop - total*         kPa         0.341         7.77           - in ports (Inlet/Outlet)         kPa         -0.0438/0.0134         0.273           Operating pressure (outlet)         kPa         3140         0.273           Number of channels per pass         12         13           Number of plates         26         0           Oversurfacing         %         0           Fouling factor         m², °C/kW         0.001           Port diameter (up/down)         mm         24.0/24.0           Recommended inlet connection diameter         mm         4.96 - 11.1           Recommended outlet connection diameter         mm         6.71 - 13.4           Recommended outlet connection diameter         mm         6.71 - 13.4           Recommended outlet connection diameter         mm         6.71 - 13.4           Recommended inlet connection diameter         mm         6.71 - 13.4           Recommended inlet connections         0.118         0.118	Fluid condensed	kg/s	0.06371		
Heat flux   KW/m²   C   3.77   C   C   A   C   C   A   C   C   C   C			Side 1		Side 2
Mean temperature difference         K         3.77           O.H.T.C. (available/required)         W/m²,°C         1760/1750           Pressure drop - total*         kPa         0.341         7.77           - in ports (Inlet/Outlet)         kPa         -0.0438/0.0134         0.273           Operating pressure (outlet)         kPa         3140         3140           Number of channels per pass         12         13           Number of plates         26         0           Oversurfacing         %         0         0           Fouling factor         mm²,°C/kW         0.001         0.001           Port diameter (up/down)         mm         24.0/24.0         24.0/24.0           Recommended inlet connection diameter         mm         4.96 - 11.1         800.9           Recommended outlet connection diameter         mm         6.71 - 13.4         800.9           Reynolds number         m/s         1.07         0.763           Channel velocity         m/s         0.178         0.118           Shear stress         Pa         15.7         15.7           Largest wall temperature difference         K         0.20         43.48/50.25           *Excluding pressure drop in connections.         ***					
O.H.T.C. (available/required)       W/m², °C       1760/1750         Pressure drop - total*       kPa       0.341       7.77         - in ports (inlet/Outlet)       kPa       -0.0438/0.0134       0.273         Operating pressure (outlet)       kPa       3140       3140         Number of channels per pass       12       13         Number of plates       26       0         Oversurfacing       %       0.001         Fouling factor       m², °C/kW       0.001         Port diameter (up/down)       mm       24.0/24.0         Recommended inlet connection diameter       mm       4.96 - 11.1         Recommended outlet connection diameter       mm       6.71 - 13.4         Resynolds number       mm       6.71 - 13.4         Resynolds number       m/s       1.07       0.763         Channel velocity       m/s       0.178       0.118         Shear stress       Pa       15.7       15.7         Largest wall temperature difference       K       0.20         Min./Max. wall temperature       °C       43.55/50.28       43.48/50.25         *Excluding pressure drop in connections.       ***       Side 1       Side 2         PHYSICAL PROPERTIES					
Pressure drop - total*         kPa         0.341         7.77           - in ports (Inlet/Outlet)         kPa         -0.0438/0.0134         0.273           Operating pressure (outlet)         kPa         3140         3140           Number of channels per pass         12         13           Number of plates         26         26           Oversurfacing         %         0         0           Fouling factor         m²°, °C/kW         0.001         0.001           Port diameter (up/down)         mm         24.0/24.0         24.0/24.0           Recommended inlet connection diameter         mm         4.96 - 11.1         800.9           Recommended outlet connection diameter         mm         6.71 - 13.4         800.9           Responds number         mm         6.71 - 13.4         800.9           Inlet Port velocity         m/s         1.07         0.763           Channel velocity         m/s         0.178         0.118           Shear stress         Pa         15.7         15.7           Largest wall temperature difference         K         0.20         43.48/50.25           *Excluding pressure drop in connections.         ************************************	•				
- in ports (Inlet/Outlet) kPa 3140  Operating pressure (outlet) kPa 3140  Number of channels per pass 12 13  Number of plates Oversurfacing % 0  Fouling factor mm 24.0/24.0 24.0/24.0  Port diameter (up/down) mm 24.0/24.0 24.0/24.0  Recommended inlet connection diameter mm 4.96 - 11.1  Recommended outlet connection diameter mm 6.71 - 13.4  Reynolds number 80.0.9  Inlet Port velocity m/s 1.07 0.763  Channel velocity m/s 0.178 0.118  Shear stress Pa 15.7  Largest wall temperature difference K 0.20  Min./Max. wall temperature  °C 43.55/50.28 43.48/50.25  *Excluding pressure drop in connections.  PHYSICAL PROPERTIES Side 1 Side 2  Reference temperature  °C 51.19 46.50  Liquid · Dynamic viscosity cP 0.0802 0.551  · Density kg/m³ 901.3 989.6  · Pensity kg/m³ 901.3 989.6  · Thermal conductivity W/m°, °C 0.07933 0.6393  Vapor · Dynamic viscosity cP 0.0146  · Density kg/m³ 132.0  · Pensity kg/m³ 132.0  · Pensity kg/m° 133.9  Film coefficient W/m°, °C 0.01404  · Latent heat kJ/kg 133.9  Film coefficient W/m°, °C 3220 8830		W/m²,°C		1760/1750	
Operating pressure (outlet)         kPa         3140           Number of channels per pass         12         13           Number of plates         26         0           Oversurfacing         %         0           Fouling factor         m²,°C/kW         0.001           Port diameter (up/down)         mm         24.0/24.0           Recommended inlet connection diameter         mm         4.96 - 11.1           Recommended outlet connection diameter         mm         6.71 - 13.4           Reynolds number         800.9           Inlet Port velocity         m/s         0.178           Channel velocity         m/s         0.178         0.118           Shear stress         Pa         15.7           Largest wall temperature difference         K         0.20           Min./Max. wall temperature         °C         43.55/50.28         43.48/50.25           *Excluding pressure drop in connections.         **         Side 1         Side 2           PHYSICAL PROPERTIES         Side 1         Side 2           Reference temperature         °C         51.19         46.50           Liquid • Dynamic viscosity         cP         0.0802         0.581           • Density         kg/m³ <td>Pressure drop - total*</td> <td>kPa</td> <td>0.341</td> <td></td> <td>7.77</td>	Pressure drop - total*	kPa	0.341		7.77
Number of channels per pass       12       13         Number of plates       26         Oversurfacing       %       0         Fouling factor       m²,°C/kW       0.001         Port diameter (up/down)       mm       24.0/24.0         Recommended inlet connection diameter       mm       4.96 - 11.1         Recommended outlet connection diameter       mm       6.71 - 13.4         Recommended outlet connection diameter       mm       6.71 - 13.4         Reynolds number       800.9         Inlet Port velocity       m/s       1.07       0.763         Channel velocity       m/s       0.178       0.118         Shear stress       Pa       15.7       15.7         Largest wall temperature difference       K       0.20       0.20         Min./Max. wall temperature       °C       43.55/50.28       43.48/50.25         *Excluding pressure drop in connections.       **Side 1       Side 2         PHYSICAL PROPERTIES       Side 1       Side 2         Reference temperature       °C       51.19       46.50         Liquid • Dynamic viscosity       cP       0.0802       0.581         • Density       kJ/kg,°C       2.330       4.180 <tr< td=""><td>- in ports (Inlet/Outlet)</td><td>kPa</td><td>-0.0438/0.0134</td><td></td><td>0.273</td></tr<>	- in ports (Inlet/Outlet)	kPa	-0.0438/0.0134		0.273
Number of plates         26           Oversurfacing         %         0           Fouling factor         m², °C/kW         0.001           Port diameter (up/down)         mm         24.0/24.0         24.0/24.0           Recommended inlet connection diameter         mm         4.96 - 11.1         800.9           Recommended outlet connection diameter         mm         6.71 · 13.4         800.9           Reynolds number         mm         6.71 · 13.4         800.9           Inlet Port velocity         m/s         1.07         0.763           Channel velocity         m/s         0.178         0.118           Shear stress         Pa         15.7           Largest wall temperature difference         K         0.20           Min./Max. wall temperature         °C         43.55/50.28         43.48/50.25           *Excluding pressure drop in connections.         **         43.48/50.25           *PHYSICAL PROPERTIES         Side 1         Side 2           Reference temperature         °C         51.19         46.50           Liquid • Dynamic viscosity         cP         0.0802         0.581           • Density         kJ/kg, °C         2.330         4.180           • Thermal conducti	Operating pressure (outlet)	kPa	3140		
Oversurfacing         %         0           Fouling factor         m²,°C/kW         0.001           Port diameter (up/down)         mm         24.0/24.0         24.0/24.0           Recommended inlet connection diameter         mm         4.96 - 11.1         4.96 - 11.1           Recommended outlet connection diameter         mm         6.71 - 13.4         800.9           Inlet Port velocity         m/s         1.07         0.763           Channel velocity         m/s         0.178         0.118           Shear stress         Pa         15.7           Largest wall temperature difference         K         0.20           Min./Max. wall temperature         °C         43.55/50.28         43.48/50.25           *Excluding pressure drop in connections.         **Side 1         Side 2           PHYSICAL PROPERTIES         Side 1         Side 2           Reference temperature         °C         51.19         46.50           Liquid · Dynamic viscosity         cP         0.0802         0.581           · Density         kg/m³         901.3         989.6           · Heat capacity         kJ/kg, °C         2.330         4.180           · Thermal conductivity         kg/m³         132.0 <t< td=""><td>Number of channels per pass</td><td></td><td>12</td><td></td><td>13</td></t<>	Number of channels per pass		12		13
Fouling factor m², °C/kW 0.001 Port diameter (up/down) mm 24.0/24.0 24.0/24.0 Recommended inlet connection diameter mm 4.96 - 11.1 Recommended outlet connection diameter mm 6.71 - 13.4 Reynolds number 800.9 Inlet Port velocity m/s 1.07 0.763 Channel velocity m/s 0.178 0.118 Shear stress Pa 15.7 Largest wall temperature difference K 0.20 Min./Max. wall temperature °C 43.55/50.28 43.48/50.25  *Excluding pressure drop in connections.  PHYSICAL PROPERTIES Side 1 Side 2  Reference temperature  °C 51.19 46.50 Liquid • Dynamic viscosity cP 0.0802 0.581 • Density kg/m³ 901.3 989.6 • Heat capacity kJ/kg, °C 2.330 4.180 • Thermal conductivity W/m, °C 0.07933 0.6393  Vapor • Dynamic viscosity cP 0.0146 • Density kg/m³ 132.0 • Heat capacity kJ/kg, °C 1.675 • Thermal conductivity W/m, °C 0.01404 • Latent heat kJ/kg 133.9 Film coefficient W/m², °C 3220 8830	Number of plates			26	
Port diameter (up/down)         mm         24.0/24.0         24.0/24.0           Recommended inlet connection diameter         mm         4.96 - 11.1         800.9           Recommended outlet connection diameter         mm         6.71 - 13.4         800.9           Reynolds number         800.9         1.07         0.763           Channel velocity         m/s         0.178         0.118           Shear stress         Pa         15.7           Largest wall temperature difference         K         0.20           Min./Max. wall temperature         °C         43.55/50.28         43.48/50.25           *Excluding pressure drop in connections.           PHYSICAL PROPERTIES         Side 1         Side 2           Reference temperature         °C         51.19         46.50           Liquid • Dynamic viscosity         cP         0.0802         0.581           • Density         kg/m³         901.3         989.6           • Heat capacity         kJ/kg, °C         2.330         4.180           • Thermal conductivity         W/m, °C         0.07933         0.6393           • Ponsity         kg/m³         132.0         43.48/50.25           • Heat capacity         kg/m³	Oversurfacing	%		0	
Recommended inlet connection diameter   mm   4.96 - 11.1   mm   6.71 - 13.4     800.9	Fouling factor	$m^2$ , °C/kW		0.001	
Recommended outlet connection diameter         mm         6.71 - 13.4           Reynolds number         800.9           Inlet Port velocity         m/s         1.07         0.763           Channel velocity         m/s         0.178         0.118           Shear stress         Pa         15.7           Largest wall temperature difference         K         0.20           Min./Max. wall temperature         °C         43.55/50.28         43.48/50.25           *Excluding pressure drop in connections.           PHYSICAL PROPERTIES         Side 1         Side 2           Reference temperature         °C         51.19         46.50           Liquid • Dynamic viscosity         cP         0.0802         0.581           • Density         kg/m³         901.3         989.6           • Heat capacity         kJ/kg, °C         2.330         4.180           • Thermal conductivity         W/m, °C         0.07933         0.6393           Vapor • Dynamic viscosity         cP         0.0146           • Density         kg/m³         132.0           • Heat capacity         kJ/kg, °C         1.675           • Thermal conductivity         W/m, °C         0.01404      <	Port diameter (up/down)	mm	24.0/24.0		24.0/24.0
Reynolds number   Round   Ro	Recommended inlet connection diameter	mm	4.96 - 11.1		
Inlet Port velocity         m/s         1.07         0.763           Channel velocity         m/s         0.178         0.118           Shear stress         Pa         15.7           Largest wall temperature difference         K         0.20           Min./Max. wall temperature         °C         43.55/50.28         43.48/50.25           *Excluding pressure drop in connections.           PHYSICAL PROPERTIES         Side 1         Side 2           Reference temperature         °C         51.19         46.50           Liquid • Dynamic viscosity         cP         0.0802         0.581           • Density         kg/m³         901.3         989.6           • Heat capacity         kJ/kg, °C         2.330         4.180           • Thermal conductivity         W/m, °C         0.07933         0.6393           Vapor • Dynamic viscosity         cP         0.0146           • Density         kg/m³         132.0           • Heat capacity         kJ/kg, °C         1.675           • Thermal conductivity         W/m, °C         0.01404           • Latent heat         kJ/kg         133.9           Film coefficient         W/m², °C         3220         8830 </td <td>Recommended outlet connection diameter</td> <td>mm</td> <td>6.71 - 13.4</td> <td></td> <td></td>	Recommended outlet connection diameter	mm	6.71 - 13.4		
Channel velocity         m/s         0.178         0.118           Shear stress         Pa         15.7           Largest wall temperature difference         K         0.20           Min./Max. wall temperature         °C         43.55/50.28         43.48/50.25           *Excluding pressure drop in connections.           PHYSICAL PROPERTIES         Side 1         Side 2           Reference temperature         °C         51.19         46.50           Liquid • Dynamic viscosity         cP         0.0802         0.581           • Density         kg/m³         901.3         989.6           • Heat capacity         kJ/kg,°C         2.330         4.180           • Thermal conductivity         W/m,°C         0.07933         0.6393           Vapor • Dynamic viscosity         cP         0.0146           • Density         kg/m³         132.0           • Heat capacity         kJ/kg,°C         1.675           • Thermal conductivity         W/m,°C         0.01404           • Latent heat         kJ/kg         133.9           Film coefficient         W/m²,°C         3220         8830	Reynolds number				800.9
Shear stress         Pa         15.7           Largest wall temperature difference         K         0.20           Min./Max. wall temperature         °C         43.55/50.28         43.48/50.25           *Excluding pressure drop in connections.           PHYSICAL PROPERTIES         Side 1         Side 2           Reference temperature         °C         51.19         46.50           Liquid • Dynamic viscosity         cP         0.0802         0.581           • Density         kg/m³         901.3         989.6           • Heat capacity         kJ/kg,°C         2.330         4.180           • Thermal conductivity         W/m,°C         0.07933         0.6393           Vapor • Dynamic viscosity         cP         0.0146           • Density         kg/m³         132.0           • Heat capacity         kJ/kg,°C         1.675           • Thermal conductivity         W/m,°C         0.01404           • Latent heat         kJ/kg         133.9           Film coefficient         W/m²,°C         3220         8830	Inlet Port velocity	m/s	1.07		0.763
Largest wall temperature difference         K         0.20           Min./Max. wall temperature         °C         43.55/50.28         43.48/50.25           *Excluding pressure drop in connections.           Side 1         Side 2           PHYSICAL PROPERTIES         Side 1         Side 2           Reference temperature         °C         51.19         46.50           Liquid • Dynamic viscosity         cP         0.0802         0.581           • Density         kg/m³         901.3         989.6           • Heat capacity         kJ/kg, °C         2.330         4.180           • Thermal conductivity         W/m, °C         0.07933         0.6393           • Density         kg/m³         132.0           • Heat capacity         kJ/kg, °C         1.675           • Thermal conductivity         W/m, °C         0.01404           • Latent heat         kJ/kg         133.9           Film coefficient         W/m², °C         3220         8830	Channel velocity	m/s	0.178		0.118
Min./Max. wall temperature       °C       43.55/50.28       43.48/50.25         *Excluding pressure drop in connections.         Side 1       Side 2         Reference temperature       °C       51.19       46.50         Liquid • Dynamic viscosity       cP       0.0802       0.581         • Density       kg/m³       901.3       989.6         • Heat capacity       kJ/kg, °C       2.330       4.180         • Thermal conductivity       W/m, °C       0.07933       0.6393         Vapor • Dynamic viscosity       cP       0.0146       0.0146         • Density       kg/m³       132.0       0.6393         • Heat capacity       kJ/kg, °C       1.675       0.01404         • Latent heat       kJ/kg       133.9         Film coefficient       W/m², °C       3220       8830	Shear stress	Pa			15.7
*Excluding pressure drop in connections.           PHYSICAL PROPERTIES         Side 1         Side 2           Reference temperature         °C         51.19         46.50           Liquid • Dynamic viscosity         cP         0.0802         0.581           • Density         kg/m³         901.3         989.6           • Heat capacity         kJ/kg,°C         2.330         4.180           • Thermal conductivity         W/m,°C         0.07933         0.6393           Vapor • Dynamic viscosity         cP         0.0146           • Density         kg/m³         132.0           • Heat capacity         kJ/kg,°C         1.675           • Thermal conductivity         W/m,°C         0.01404           • Latent heat         kJ/kg         133.9           Film coefficient         W/m²,°C         3220         8830	Largest wall temperature difference	K		0.20	
PHYSICAL PROPERTIES         Side 1         Side 2           Reference temperature         °C         51.19         46.50           Liquid • Dynamic viscosity         cP         0.0802         0.581           • Density         kg/m³         901.3         989.6           • Heat capacity         kJ/kg,°C         2.330         4.180           • Thermal conductivity         W/m,°C         0.07933         0.6393           Vapor • Dynamic viscosity         cP         0.0146           • Density         kg/m³         132.0           • Heat capacity         kJ/kg,°C         1.675           • Thermal conductivity         W/m,°C         0.01404           • Latent heat         kJ/kg         133.9           Film coefficient         W/m²,°C         3220         8830	Min./Max. wall temperature	°C	43.55/50.28		43.48/50.25
Reference temperature         °C         51.19         46.50           Liquid • Dynamic viscosity         cP         0.0802         0.581           • Density         kg/m³         901.3         989.6           • Heat capacity         kJ/kg,°C         2.330         4.180           • Thermal conductivity         W/m,°C         0.07933         0.6393           Vapor • Dynamic viscosity         cP         0.0146           • Density         kg/m³         132.0           • Heat capacity         kJ/kg,°C         1.675           • Thermal conductivity         W/m,°C         0.01404           • Latent heat         kJ/kg         133.9           Film coefficient         W/m²,°C         3220         8830	*Excluding pressure drop in connections.				
Liquid • Dynamic viscosity       cP       0.0802       0.581         • Density       kg/m³       901.3       989.6         • Heat capacity       kJ/kg,°C       2.330       4.180         • Thermal conductivity       W/m,°C       0.07933       0.6393         Vapor • Dynamic viscosity       cP       0.0146         • Density       kg/m³       132.0         • Heat capacity       kJ/kg,°C       1.675         • Thermal conductivity       W/m,°C       0.01404         • Latent heat       kJ/kg       133.9         Film coefficient       W/m²,°C       3220       8830					
<ul> <li>Density</li> <li>Heat capacity</li> <li>Thermal conductivity</li> <li>Vapor • Dynamic viscosity</li> <li>Density</li> <li>Heat capacity</li> <li>Vapor • Dynamic viscosity</li> <li>Density</li> <li>Heat capacity</li> <li>Heat capacity</li> <li>Thermal conductivity</li> <li>Thermal conductivity</li> <li>Latent heat</li> <li>Film coefficient</li> <li>Kg/m³</li> <li>H32.0</li> <li>H675</li> <li>H767</li> <li>H767</li> <li>H77</li> <li>H78</li> <li>H78</li></ul>					
<ul> <li>Heat capacity</li> <li>Thermal conductivity</li> <li>Vapor • Dynamic viscosity</li> <li>Density</li> <li>Heat capacity</li> <li>Heat capacity</li> <li>Heat capacity</li> <li>Thermal conductivity</li> <li>W/m,°C</li> <li>1.675</li> <li>Thermal conductivity</li> <li>Latent heat</li> <li>KJ/kg</li> <li>133.9</li> <li>Film coefficient</li> <li>W/m²,°C</li> <li>3220</li> <li>8830</li> </ul>					
• Thermal conductivity       W/m,°C       0.07933       0.6393         Vapor • Dynamic viscosity       cP       0.0146         • Density       kg/m³       132.0         • Heat capacity       kJ/kg,°C       1.675         • Thermal conductivity       W/m,°C       0.01404         • Latent heat       kJ/kg       133.9         Film coefficient       W/m²,°C       3220       8830	•				
Vapor • Dynamic viscositycP0.0146• Densitykg/m³132.0• Heat capacitykJ/kg,°C1.675• Thermal conductivityW/m,°C0.01404• Latent heatkJ/kg133.9Film coefficientW/m²,°C32208830					
• Density       kg/m³       132.0         • Heat capacity       kJ/kg,°C       1.675         • Thermal conductivity       W/m,°C       0.01404         • Latent heat       kJ/kg       133.9         Film coefficient       W/m²,°C       3220       8830	•				0.6393
<ul> <li>Heat capacity</li> <li>Thermal conductivity</li> <li>Latent heat</li> <li>Film coefficient</li> <li>kJ/kg,°C</li> <li>U.01404</li> <li>133.9</li> <li>W/m²,°C</li> <li>3220</li> <li>8830</li> </ul>	· · · · · · · · · · · · · · · · · · ·				
<ul> <li>Thermal conductivity</li> <li>Latent heat</li> <li>Film coefficient</li> <li>W/m²,°C</li> <li>0.01404</li> <li>kJ/kg</li> <li>133.9</li> <li>W/m²,°C</li> <li>3220</li> <li>8830</li> </ul>	•	-			
• Latent heat kJ/kg 133.9 Film coefficient W/m²,°C 3220 8830	· ·	•			
Film coefficient W/m²,°C 3220 8830	•				
TOTALS Side 1 Side 2	Film coefficient	W/m²,°C	3220		8830
	TOTALS		Side 1		Side 2



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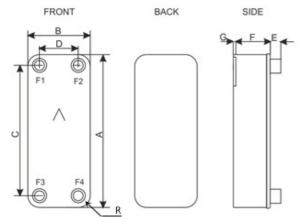




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TOTALS	Side 1	Side 2
Total weight (no connections)*	kg	5.66 - 8.52
Hold-up volume (Inner Circuit)	dm³	1.33
Estimated refrigerant charge	kg	0.41
Hold-up volume (Outer Circuit)	dm³	1.44
Port size F1/P1	mm	24
Port size F2/P2	mm	24
Port size F3/P3	mm	24
Port size F4/P4	mm	24
Carbon footprint	kg	47.37
*Weight depends on the selected product.	, and the second	

## **DIMENSIONS**



A*	mm	524 - 526 ±2
B*	mm	117 - 119 ±1
С	mm	479 ±1
D	mm	72 ±1
E	mm	20 (opt. 45) ±1
F*	mm	60.24 - 66.24 ±3%
G*	mm	4 - 7 ±1
R*	mm	22 - 23

<sup>\*</sup>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



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<sup>\*</sup>This is a schematic sketch. For correct drawings please use the order drawing function or contact your SWEP representative.