

МОЩНОСТ НА ПЛАСТИНЧАТ ТОПЛООБМЕННИК KAORI K050 24МС пластини при вода-вода

Heat transfer device : Cooler	PHE Code : K050*24
No. of plates : 24	Series * Parallel: 1*1
Length : 306.0 mm	Height : 66.07999 mm
Width : 106.0 mm	Weight : 4.336 kg

	Side 1	Side 2	Unit
Fluid name	Water	Water	
Mass Flow rate	0.880	0.885	kg/s
Inlet temp.	7.00	35.00	C
Exit temp.	12.00	30.00	C
Pressure drop	42.1	35.3	kPa
Allowable press. drop	50.0	50.0	kPa
Fouling Resistance	0	0	m ² ,C / W
No. of channel	11	12	
Reference temp.	9.5	32.5	C
Density	1000.	993.5	kg/m ³
Specific heat capacity	4.204	4.180	kJ/kg,C
Thermal conductivity	0.586	0.620	W/m,C
Viscosity	1.330	0.762	cP
Channel velocity	0.39	0.36	m/s
Log mean temp. diff.		23.000	C
Heat transfer area		0.561	m ²
Heat load		18.5	kW
Margin		354.7	%
Plate material	316		
Solder	Copper		
Working Press.	30 bar (max.)		
Testing Press.	43 bar (min.)		
Flow arrangement	Countercurrent		

МОЩНОСТ НА ПЛАСТИНЧАТ ТОПЛООБМЕННИК KAORI K050 24MC пластини при фреон R22, като КОНДЕНЗАТОР

Heat transfer device : Condenser PHE Code : K050*24
 No. of plates : 24 Units in parallel: 1
 Length : 306.0 mm Height : 66.07999 mm
 Width : 106.0 mm Weight : 4.336 kg

	Side 1	Side 2	Unit
Fluid name	R22	Water	
Flow rate	0.028	0.296	kg/s
Inlet temp.	90.00	30.00	C
Condensation temp.		40.00	C
Exit temp.	38.00	35.00	C
Pressure drop		4.4	kPa
Allowable press. drop		50.0	kPa
Fouling Resistance		0	m ² ,C / W
No. of channel	11	12	
Physical properties			
Reference temp.		32.5	C
Liquid			
Density	1128.	993.5	kg/m ³
Specific heat capacity	1.291	4.180	kJ/kg,C
Thermal conductivity	0.086	0.620	W/m,C
Viscosity	0.224	0.762	cP
Vapor			
Density	62.89		kg/m ³
Specific heat capacity	0.921		kJ/kg,C
latent heat	169.0		kJ/kg
Flow velocity	0.20	0.12	m/s

Log mean temp. diff.	7.213	C
Heat transfer area	0.561	m ²
Heat load	6.2	kW
Margin	5.7	%

Plate material	316
Solder	Copper
Working Press.	30 bar (max.)
Testing Press.	43 bar (min.)
Flow arrangement	Countercurrent

МОЩНОСТ НА ПЛАСТИНЧАТ ТОПЛООБМЕННИК КАОРИ K050 24МС пластини при фреон R22, като ИЗПАРИТЕЛ

Heat transfer device : Evaporator PHE Code : K050*24
 No. of plates : 24 Units in parallel: 1
 Length : 306.0 mm Height : 66.07999 mm
 Width : 106.0 mm Weight : 4.336 kg

	Side 1	Side 2	Unit
Fluid name	R22	Water	
Flow rate	0.037	0.294	kg/s
Inlet temp.	2.00	12.00	C
Evaporation Temp.		2.00	C
Exit temp.	7.00	7.00	C
Inlet Quality	0.2		
Pressure drop		4.5	kPa
Allowable pressure drop		50.0	kPa
Fouling Resistance		0	m ² ,C/W
No. of channel	11	12	
Physical properties			
Reference temp.	2.0	9.5	C
Liquid			
Density	1289.	1000.	kg/m ³
Specific heat capacity	1.183	4.204	kJ/kg,C
Thermal conductivity	0.095	0.586	W/m,C
Viscosity	0.269	1.330	cP
Vapor			
Density	21.22		kg/m ³
Specific heat capacity	0.707		kJ/kg,C
latent heat	203.6		kJ/kg
Flow velocity	1.18	0.12	m/s

Log mean temp. diff.	7.213	C
Heat transfer area	0.561	m ²
Heat load	6.2	kW
Margin	0.8	%

Plate material	316
Solder	Copper
Working Press.	30 bar (max.)
Testing Press.	43 bar (min.)
Flow arrangement	Countercurrent

МОЩНОСТ НА ПЛАСТИНЧАТ ТОПЛООБМЕННИК КАОРИ K050 24МС пластини при фреон R134a, като КОНДЕНЗАТОР

Heat transfer device : Condenser PHE Code : K050*24
 No. of plates : 24 Units in parallel: 1
 Length : 306.0 mm Height : 66.07999 mm
 Width : 106.0 mm Weight : 4.336 kg

	Side 1	Side 2	Unit
Fluid name	R134a	Water	
Flow rate	0.023	0.248	kg/s
Inlet temp.	90.00	30.00	C
Condensation temp.		40.00	C
Exit temp.	38.00	35.00	C
Pressure drop		3.1	kPa
Allowable press. drop		50.0	kPa
Fouling Resistance		0	m ² ,C / W
No. of channel	11	12	
Physical properties			
Reference temp.		32.5	C
Liquid			
Density	1140.	993.5	kg/m ³
Specific heat capacity	1.496	4.180	kJ/kg,C
Thermal conductivity	0.078	0.620	W/m,C
Viscosity	0.178	0.762	cP
Vapor			
Density	47.42		kg/m ³
Specific heat capacity	1.033		kJ/kg,C
latent heat	162.8		kJ/kg
Flow velocity	0.22	0.10	m/s

Log mean temp. diff.	7.213	C
Heat transfer area	0.561	m ²
Heat load	5.2	kW
Margin	3.4	%

Plate material	316
Solder	Copper
Working Press.	30 bar (max.)
Testing Press.	43 bar (min.)
Flow arrangement	Countercurrent

МОЩНОСТ НА ПЛАСТИНЧАТ ТОПЛООБМЕННИК КАОРИ K050 24МС пластини при фреон R134a, като ИЗПАРИТЕЛ

Heat transfer device : Evaporator PHE Code : K050*24
 No. of plates : 24 Units in parallel: 1
 Length : 306.0 mm Height : 66.07999 mm
 Width : 106.0 mm Weight : 4.336 kg

	Side 1	Side 2	Unit
Fluid name	R134a	Water	
Flow rate	0.035	0.275	kg/s
Inlet temp.	2.00	12.00	C
Evaporation Temp.		2.00	C
Exit temp.	7.00	7.00	C
Inlet Quality	0.2		
Pressure drop		4.0	kPa
Allowable pressure drop		50.0	kPa
Fouling Resistance		0	m ² ,C/W
No. of channel	11	12	
Physical properties			
Reference temp.	2.0	9.5	C
Liquid			
Density	1294.	1000.	kg/m ³
Specific heat capacity	1.334	4.204	kJ/kg,C
Thermal conductivity	0.094	0.586	W/m,C
Viscosity	0.276	1.330	cP
Vapor			
Density	14.83		kg/m ³
Specific heat capacity	0.852		kJ/kg,C
latent heat	196.6		kJ/kg
Flow velocity	1.64	0.11	m/s

Log mean temp. diff.	7.213	C
Heat transfer area	0.561	m ²
Heat load	5.8	kW
Margin	2.7	%

Plate material	316
Solder	Copper
Working Press.	30 bar (max.)
Testing Press.	43 bar (min.)
Flow arrangement	Countercurrent

МОЩНОСТ НА ПЛАСТИНЧАТ ТОПЛООБМЕННИК КАОРИ K050 24МС пластини при фреон R404A, като КОНДЕНЗАТОР

Heat transfer device : Condenser PHE Code : K050*24
 No. of plates : 24 Units in parallel: 1
 Length : 306.0 mm Height : 66.07999 mm
 Width : 106.0 mm Weight : 4.336 kg

	Side 1	Side 2	Unit
Fluid name	R404A	Water	
Flow rate	0.030	0.282	kg/s
Inlet temp.	90.00	30.00	C
Condensation temp.		40.00	C
Exit temp.	37.95	35.00	C
Pressure drop		4.0	kPa
Allowable press. drop		50.0	kPa
Fouling Resistance		0	m ² ,C / W
No. of channel	11	12	
Physical properties			
Reference temp.		32.5	C
Liquid			
Density	952.7	993.5	kg/m ³
Specific heat capacity	1.737	4.180	kJ/kg,C
Thermal conductivity	0.062	0.620	W/m,C
Viscosity	0.104	0.762	cP
Vapor			
Density	95.49		kg/m ³
Specific heat capacity	1.302		kJ/kg,C
latent heat	123.8		kJ/kg
Flow velocity	0.14	0.12	m/s

Log mean temp. diff.	7.193	C
Heat transfer area	0.561	m ²
Heat load	5.9	kW
Margin	4.7	%

Plate material	316
Solder	Copper
Working Press.	30 bar (max.)
Testing Press.	43 bar (min.)
Flow arrangement	Countercurrent

МОЩНОСТ НА ПЛАСТИНЧАТ ТОПЛООБМЕННИК КАОРИ K050 24МС пластини при фреон R404А, като ИЗПАРИТЕЛ

Heat transfer device : Evaporator PHE Code : K050*24
 No. of plates : 24 Units in parallel: 1
 Length : 306.0 mm Height : 66.07999 mm
 Width : 106.0 mm Weight : 4.336 kg

	Side 1	Side 2	Unit
Fluid name	R22	Water	
Flow rate	0.034	0.275	kg/s
Inlet temp.	2.00	12.00	C
Evaporation Temp.		2.00	C
Exit temp.	7.00	7.00	C
Inlet Quality	0.2		
Pressure drop		4.0	kPa
Allowable pressure drop		50.0	kPa
Fouling Resistance		0	m ² ,C/W
No. of channel	11	12	
Physical properties			
Reference temp.	2.0	9.5	C
Liquid			
Density	1289.	1000.	kg/m ³
Specific heat capacity	1.183	4.204	kJ/kg,C
Thermal conductivity	0.095	0.586	W/m,C
Viscosity	0.269	1.330	cP
Vapor			
Density	21.22		kg/m ³
Specific heat capacity	0.707		kJ/kg,C
latent heat	203.6		kJ/kg
Flow velocity	1.11	0.11	m/s

Log mean temp. diff.	7.213	C
Heat transfer area	0.561	m ²
Heat load	5.8	kW
Margin	3.4	%

Plate material	316
Solder	Copper
Working Press.	30 bar (max.)
Testing Press.	43 bar (min.)
Flow arrangement	Countercurrent

МОЩНОСТ НА ПЛАСТИНЧАТ ТОПЛООБМЕННИК КАОРИ K050 24МС пластини при фреон R407C, като КОНДЕНЗАТОР

Heat transfer device : Condenser PHE Code : K050*24
 No. of plates : 24 Units in parallel: 1
 Length : 306.0 mm Height : 66.07999 mm
 Width : 106.0 mm Weight : 4.336 kg

	Side 1	Side 2	Unit
Fluid name	R407C	Water	
Flow rate	0.014	0.162	kg/s
Inlet temp.	90.00	30.00	C
Condensation temp.		40.00	C
Exit temp.	33.35	35.00	C
Pressure drop		1.4	kPa
Allowable press. drop		50.0	kPa
Fouling Resistance		0	m ² ,C / W
No. of channel	11	12	
Physical properties			
Reference temp.		32.5	C
Liquid			
Density	1042.	993.5	kg/m ³
Specific heat capacity	1.641	4.180	kJ/kg,C
Thermal conductivity	0.082	0.620	W/m,C
Viscosity	0.136	0.762	cP
Vapor			
Density	65.37		kg/m ³
Specific heat capacity	1.152		kJ/kg,C
latent heat	168.2		kJ/kg
Flow velocity	0.11	0.07	m/s

Log mean temp. diff.	5.173	C
Heat transfer area	0.561	m ²
Heat load	3.4	kW
Margin	5.4	%

Plate material	316
Solder	Copper
Working Press.	30 bar (max.)
Testing Press.	43 bar (min.)
Flow arrangement	Countercurrent

МОЩНОСТ НА ПЛАСТИНЧАТ ТОПЛООБМЕННИК КАОРИ K050 24МС пластини при фреон R407C, като ИЗПАРИТЕЛ

Heat transfer device : Evaporator PHE Code : K050*24
 No. of plates : 24 Units in parallel: 1
 Length : 306.0 mm Height : 66.07999 mm
 Width : 106.0 mm Weight : 4.336 kg

	Side 1	Side 2	Unit
Fluid name	R407C	Water	
Flow rate	0.062	0.523	kg/s
Inlet temp.	-2.95	12.00	C
Evaporation Temp.		2.00	C
Exit temp.	7.00	7.00	C
Inlet Quality	0.2		
Pressure drop		13.5	kPa
Allowable pressure drop		50.0	kPa
Fouling Resistance		0	m ² ,C/W
No. of channel	11	12	
Physical properties			
Reference temp.	-0.5	9.5	C
Liquid			
Density	1226.	1000.	kg/m ³
Specific heat capacity	1.381	4.204	kJ/kg,C
Thermal conductivity	0.101	0.586	W/m,C
Viscosity	0.217	1.330	cP
Vapor			
Density	20.26		kg/m ³
Specific heat capacity	0.879		kJ/kg,C
latent heat	211.2		kJ/kg
Flow velocity	2.26	0.21	m/s

Log mean temp. diff.	9.085	C
Heat transfer area	0.561	m ²
Heat load	11	kW
Margin	2.9	%

Plate material	316
Solder	Copper
Working Press.	30 bar (max.)
Testing Press.	43 bar (min.)
Flow arrangement	Countercurrent

[Ако желаете да закупите ПЛАСТИНЧАТ ТОПЛООБМЕННИК КАОРИ К050 24МС посетете нашият онлайн магазин \[apogee99.com\]\(http://apogee99.com\)](#)