

Customer	MAYEKAWA Europe NV	Date	13.05.2024
Reference	MME 119897	Offer No.	B24-59262A-01
Type	KS 12 - F E H - 1 1 3 - L2000	Pressure range	Z
		<u>Shellside</u>	<u>General</u>
Medium		ISO VG 68 + R290	<u> Tubeside</u> R290
Heat capacity	kW	24,7	
Inlet temperature	°C	70,2	56
Outlet temperature	°C	60	56
Mass flow rate	kg/s	-	0,09
Volume flow	l/min	84	-
Pressure drop	bar	0,06	0,01
Active surface	m <sup>2</sup>	26,05	3,17
Max. temperature	°C	100	100
Max. pressure	bar	30	30
Fouling	m <sup>2</sup> K/kW	0,17	
Extra capacity	%	12,8	
Shell diameter	mm	139,7	
No. of baffles	-	3	
No. of tubes	-	72	
Tube diameter	mm	8,0 x 0,5	
Bundle length	mm	2000	
Paths tubeside	-	1	
Weight(e)	kg	77	
Contents	dm <sup>3</sup>	15,5	7
		<u>Material</u>	
Tubes	-	1.4404	
Tubesheets	-	1.4301	
Fins	-	Aluminium	
Baffles	-	Aluminium	
O-rings	-	HNBR	
Bonnets/cover	-	Steel	
Shell	-	Steel	
Connections	-	DN50	SAE2"
Remarks	---		

Customer	MAYEKAWA Europe NV	Date	08.05.2024
Reference	MME 119897	Offer No.	B24-59262A-02
Type	KS 12 - F E H - 1 1 3 - L2000	Pressure range	Z
		<u>Shellside</u>	<u>General</u> <u> Tubeside</u>
Medium		ISO VG 68 + R290	R290
Heat capacity	kW		37,5
Inlet temperature	°C	74,7	56
Outlet temperature	°C	60	56
Mass flow rate	kg/s	-	0,14
Volume flow	l/min	88	-
Pressure drop	bar	0,06	0,01
Active surface	m <sup>2</sup>	26,05	3,17
Max. temperature	°C	100	100
Max. pressure	bar	30	30
Fouling	m <sup>2</sup> K/kW		0,17
Extra capacity	%		>10
Shell diameter	mm		139,7
No. of baffles	-		3
No. of tubes	-		72
Tube diameter	mm		8,0 x 0,5
Bundle length	mm		2000
Paths tubeside	-		1
Weight(e)	kg		77
Contents	dm <sup>3</sup>	15,5	7
			<u>Material</u>
Tubes	-		1.4404
Tubesheets	-		1.4301
Fins	-		Aluminium
Baffles	-		Aluminium
O-rings	-		HNBR
Bonnets/cover	-		Steel
Shell	-		Steel
Connections	-	DN50	SAE2"
Remarks	Extra capacity is based on fixed temperatures and variable flow rates!		