



HS Cooler
GmbH Wittenburg

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Customer: [REDACTED]		Date: 10.06.2009	
Reference: [REDACTED]		Offer No.: B09-9558-01	
Type: KS12-FEH-126 L2000		Pressure Range: Z	
		<u>Shellside</u>	<u>General</u> <u> Tubeside</u>
Medium		NH3 liquid NH3 (tc=32°C/p=2,8bar)	
Heat capacity	KW	71,0	
Inlet temperature	°C	32,0	-11,0
Outlet temperature	°C	-1,0	-5,0
Mass flow	kg/h	1660	230
Pressure drop	KPa	8	5
Surface	m²	26,05	3,17
Max. temperature	°C	-35/+100	-35/+100
Max. pressure	MPa	2,5	2,5
Extra surface	%	10	
Shell diameter	mm	139,7	
No. of baffles	-	6	
No. of tubes	-	70	
Tube diameter	mm	8,0 x 0,5	
Bundle length	mm	2000	
Paths (tubeside)	-	2	
contents-weight(e)-content	dm³/kg	15,5	77 7,0
Tubes	-	1,4404	
Tubesheets	-	1,4301	
Fins	-	Aluminium	
Baffles	-	Aluminium	
O-rings	-	HNBR	
Bonnets/covers	-	Steel	
Shell	-	Steel	
Connections	-	DN50/PN40	SAE 1" / SAE 2"
Remarks			



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Customer: [REDACTED]		Date: 10.06.2009	
Reference: [REDACTED]		Offer No.: B09-9558-02	
Type: KS12-FEH-126 L2000		Pressure Range: Z	
		<u>Shellside</u>	<u>General</u> <u> Tubeside</u>
Medium		NH3 liquid (tc=20°C/p=2,7bar)	
Heat capacity	KW	48,0	
Inlet temperature	°C	20,0	-12,4
Outlet temperature	°C	-2,4	-6,4
Mass flow	kg/h	1694	148
Pressure drop	KPa	8	3
Surface	m²	26,05	3,17
Max. temperature	°C	-35/+100	-35/+100
Max. pressure	MPa	2,5	2,5
Extra surface	%	10	
Shell diameter	mm	139,7	
No. of baffles	-	6	
No. of tubes	-	70	
Tube diameter	mm	8,0 x 0,5	
Bundle length	mm	2000	
Paths (tubeside)	-	2	
contents-weight(e)-content	dm³/kg	15,5	77 7,0
Tubes	-	1,4404	
Tubesheets	-	1,4301	
Fins	-	Aluminium	
Baffles	-	Aluminium	
O-rings	-	HNBR	
Bonnets/covers	-	Steel	
Shell	-	Steel	
Connections	-	DN50/PN40	SAE 1"/SAE 2"
Remarks			