FRITERM®
since 1979

Organize Deri Sanayi Bölgesi Dilek
Sokak No:10 X-12 Özel Parsel
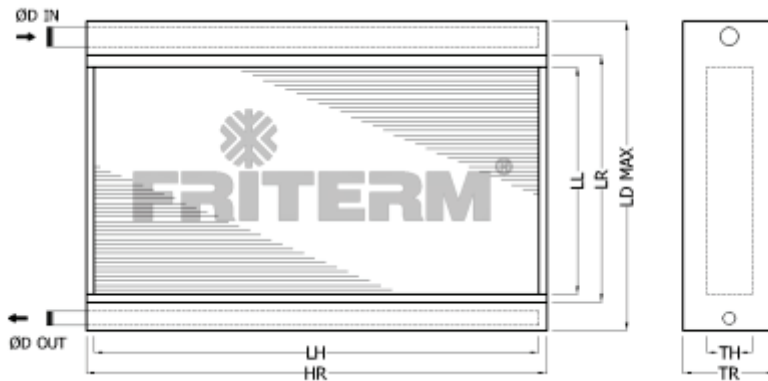Tuzla 34957   İstanbul / TURKEY

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Steam 1

Customer
Company
Name
Tel
Fax
Email

Friterm contact
Name
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Steam coil: M 35x35-12   F S inline 21T 1R 800A 3.2P 21NC

ØDin	1	"
ØDout	1	"
LL	800	mm
LR	885	mm
LDmax	1127	mm
LH	735	mm
HR	805	mm
TH	35	mm
TR	110	mm

For exact dimensions please contact with FRITERM.

COIL TECHNICAL SPECIFICATIONS

Capacity	23.57	kW	Number of circuits/passes	21 / 1	
Sensible capacity	23.57	kW	Number of rows	1	
Latent capacity	0.00	kW	Tube inner volume	2.9	l
Exchange surface	12.3	m²			
Sensible heat ratio	1.00		Fin material	Aluminium-0.12	mm
Global exchange coefficient	14.0	W/m²·K	Fin Spacing	3.20	mm
Log mean temp. difference	135.0	K	Tube material	Stainless Steel-0.70	mm
			Tube diameter (inner/outer)	10.6 / 12	mm
Spare fin surface	99.4	%	Manifold material	Stainless Steel	
			Manifold sets / Connection pipes	1 / 1	

AIR SIDE

	Inlet	Outlet	Ref
Dry bulb temperature	10.0	23.0	10.0°C
Wet bulb temperature	5.5	11.6	°C
Relative humidity	50.0	21.8	50.0%
Specific humidity	3.8	3.8	3.8g/kg
Volumetric flow	5200.0	5440.0	5200.0m³/h
Mass flow (wet)	6470.0	6470.0	6470.0kg/h
Density	1.2	1.2	1.2kg/m³
Velocity	2.5	2.6	2.5m/s
Atmospheric pressure		1.00	atm
Mass flow (dry) / CondensedFlow		6445.56 / 0.00	kg/h
Pressure drop		8.4 (+100)	Pa

FLUID SIDE

Fluid name	WaterSteam	
Condensing temperature	152.0	°C
Condensing pressure	500000.0	Pa
Sub cooling	1	K
Super heating	4	K
Tube fluid velocity (liquid)	0.01	m/s
Tube fluid velocity (vapor)	2.07	m/s
Mass flow	40	kg/h
Enthalpy inlet	2760000.0	J/kg
Enthalpy outlet	636000.0	J/kg
Pressure drop	0.2	kPa

COIL OPTIONS and PROPERTIES

- Frame Mat.

FRITERM®

Steam 1

Customer
Company
Name
Tel
Fax
Email

PED CATEGORY

 N/A

AIR SIDE EXTRA INFO

By-pass factor   0   %