



Mollier-h-x-Diagram for air humid - Pressure 0.950 bar (537.000 m / 10.000 °C / 80.000 % rH)

1) External process

Capacity	kW	1.055	
		Air In	Air Out
Temperature	°C	21.000	19.400
Rel. Humidity	%	42.000	46.000
Abs. Humidity	g/kg	6.901	6.847
Density humid	kg/m³	1.120	1.126
Enthalpy humid	kJ/kg	38.658	36.891
Volumeflow humid	m³/h	1932.509	1921.833
Massflow dry	kg/h	2150.000	2150.000

2) Moistening of air with wet steam 85.00%

Capacity	kW	1.910	
Moistening flow	kg/h	2.943	
Moistening temperature	°C	100.000	
Moistening enthalpy	kJ/kg	2336.359	
		Air In	Air Out
Temperature	°C	19.400	19.132
Rel. Humidity	%	46.000	56.000
Abs. Humidity	g/kg	6.847	8.216
Density humid	kg/m³	1.126	1.126
Enthalpy humid	kJ/kg	36.891	40.089
Volumeflow humid	m³/h	1921.806	1924.253
Massflow dry	kg/h	2150.000	2150.000

3) Heating

Capacity	kW	1.140	
		Air In	Air Out
Temperature	°C	19.132	21.000
Rel. Humidity	%	56.000	49.902
Abs. Humidity	g/kg	8.216	8.216
Density humid	kg/m³	1.126	1.119
Enthalpy humid	kJ/kg	40.089	41.998
Volumeflow humid	m³/h	1924.253	1936.550
Massflow dry	kg/h	2150.000	2150.000