



HX-01	
LMTD	3.791 K
UA (Calculated)	181962 W/C
Cold Pinch Temperature	297.0 K
Minimum Approach	3.028 K
Heat Leak	182.0 W*

HX-02	
LMTD	2.661 K
UA (Calculated)	31008 W/C
Cold Pinch Temperature	131.2 K
Minimum Approach	1.3201 K
Heat Leak	38.00 W*

HX-03	
LMTD	1.773 K
UA (Calculated)	184052 W/C
Cold Pinch Temperature	131.2 K
Minimum Approach	1.3201 K
Heat Leak	198.0 W*

HX-04	
LMTD	1.179 K
UA (Calculated)	45433 W/C
Cold Pinch Temperature	42.74 K
Minimum Approach	0.4630 K
Heat Leak	55.00 W*

HX-05	
LMTD	0.4758 K
UA (Calculated)	1023 W/C
Cold Pinch Temperature	49.74 K
Minimum Approach	0.4678 K
Heat Leak	5.000 W*

HX-06	
LMTD	0.4850 K
UA (Calculated)	113872 W/C
Cold Pinch Temperature	43.61 K
Minimum Approach	0.4657 K
Heat Leak	113.0 W*

HX-07	
LMTD	0.4405 K
UA (Calculated)	8232 W/C
Cold Pinch Temperature	34.42 K
Minimum Approach	0.3486 K
Heat Leak	5.000 W*

HX-08	
LMTD	0.5938 K
UA (Calculated)	42468 W/C
Cold Pinch Temperature	34.42 K
Minimum Approach	0.3486 K
Heat Leak	5.000 W*

HX-09	
LMTD	0.4320 K
UA (Calculated)	51889 W/C
Cold Pinch Temperature	18.68 K
Minimum Approach	0.1868 K
Heat Leak	61.00 W*

HX-10	
LMTD	0.8073 K
UA (Calculated)	32181 W/C
Cold Pinch Temperature	18.68 K
Minimum Approach	0.1868 K
Heat Leak	13.00 W*

HX-12	
LMTD	0.4949 K
UA (Calculated)	20795 W/C
Cold Pinch Temperature	8.090 K
Minimum Approach	0.0996 K
Heat Leak	43.00 W*

HX-13	
LMTD	0.1581 K
UA (Calculated)	3332 W/C
Cold Pinch Temperature	4.486 K
Minimum Approach	0.0994 K
Heat Leak	6.000 W*

T-1	
Power	17.37 kW
Feed Temperature	19.54 bar
Product Pressure	12.00 bar
Molar Flow	3124 Nm ³ /h(gas)
Mass Flow	155.0 g/s
Feed Temperature	153.6 K
Product Temperature	132.5 K
Adiabatic Efficiency	78.0
Adiabatic Fluid Head	143.6 kJ/kg
ALAT Type	C-5000
Bearing demand	7.263 g/s
Gas Losses	0.1929 g/s

T-2	
Power	11.44 kW
Feed Temperature	50.10 K
Product Temperature	49.74 K
Feed Pressure	11.83 bar
Product Pressure	5.180 bar
Mass Flow	154.8 g/s
Molar Flow	3120 Nm ³ /h(gas)
Adiabatic Efficiency	78.0
Adiabatic Fluid Head	94.76 kJ/kg
ALAT Type	C-4500
Bearing demand	4.895 g/s
Gas Losses	0.1652 g/s

T-3	
Power	14.10 kW
Feed Temperature	50.10 K
Product Temperature	34.42 K
Feed Pressure	19.00 bar
Product Pressure	5.240 bar
Mass Flow	167.6 g/s
Molar Flow	3379 Nm ³ /h(gas)
Adiabatic Efficiency	78.0
Adiabatic Fluid Head	107.6 kJ/kg
ALAT Type	C-4500
Bearing demand	5.059 g/s
Gas Losses	0.2117 g/s

T-4	
Power	5.154 kW
Feed Temperature	27.04 K
Product Temperature	18.68 K
Feed Pressure	19.27 bar
Product Pressure	5.256 bar
Mass Flow	120.2 g/s
Molar Flow	2424 Nm ³ /h(gas)
Adiabatic Efficiency	74.5
Adiabatic Fluid Head	57.54 kJ/kg
ALAT Type	C-4500
Bearing demand	3.503 g/s
Gas Losses	0.2807 g/s

T-5	
Power	4.446 kW
Feed Temperature	10.43 K
Product Temperature	8.190 K
Feed Pressure	19.23 bar
Product Pressure	8.000 bar
Mass Flow	464.5 g/s
Molar Flow	9363 Nm ³ /h(gas)
Adiabatic Efficiency	77.5
Adiabatic Fluid Head	112.35 kJ/kg
ALAT Type	C-4500
Bearing demand	9.857 g/s
Gas Losses	0.5566 g/s

T-6	
Power	1.240 kW
Feed Temperature	5.108 K
Product Temperature	4.810 K
Feed Pressure	7.840 bar
Product Pressure	3.000 bar
Mass Flow	464.3 g/s
Molar Flow	9359 Nm ³ /h(gas)
Adiabatic Efficiency	73.0
Adiabatic Fluid Head	3.660 kJ/kg
ALAT Type	
Bearing demand	g/s
Gas losses	g/s