



HX-01	
LMTD	3.625 K
UA (Calculated)	470317 W/C
Cold Pinch Temperature	297.1 K
Minimum Approach	2.895 K
Heat Leak	440.0 W*

HX-02	
LMTD	2.552 K
UA (Calculated)	76326 W/C
Cold Pinch Temperature	129.4 K
Minimum Approach	1.2773 K
Heat Leak	44.0 W*

HX-03	
LMTD	1.709 K
UA (Calculated)	454110 W/C
Cold Pinch Temperature	129.4 K
Minimum Approach	1.2773 K
Heat Leak	463.0 W*

HX-04	
LMTD	1.144 K
UA (Calculated)	114778 W/C
Cold Pinch Temperature	49.64 K
Minimum Approach	0.4571 K
Heat Leak	113.0 W*

HX-05	
LMTD	0.4808 K
UA (Calculated)	246 W/C
Cold Pinch Temperature	49.64 K
Minimum Approach	0.4604 K
Heat Leak	5.000 W*

HX-06	
LMTD	0.4750 K
UA (Calculated)	285784 W/C
Cold Pinch Temperature	45.91 K
Minimum Approach	0.4547 K
Heat Leak	280.0 W*

HX-07	
LMTD	0.4302 K
UA (Calculated)	20662 W/C
Cold Pinch Temperature	34.42 K
Minimum Approach	0.3360 K
Heat Leak	20.00 W*

HX-08	
LMTD	0.5609 K
UA (Calculated)	96731 W/C
Cold Pinch Temperature	34.42 K
Minimum Approach	0.3360 K
Heat Leak	96.00 W*

HX-09	
LMTD	0.4042 K
UA (Calculated)	147994 W/C
Cold Pinch Temperature	18.85 K
Minimum Approach	0.1892 K
Heat Leak	150.0 W*

HX-10	
LMTD	0.8145 K
UA (Calculated)	80836 W/C
Cold Pinch Temperature	18.85 K
Minimum Approach	0.1892 K
Heat Leak	62.00 W*

HX-11	
LMTD	0.4953 K
UA (Calculated)	52347 W/C
Cold Pinch Temperature	8.110 K
Minimum Approach	0.0999 K
Heat Leak	53.00 W*

HX-12	
LMTD	0.1570 K
UA (Calculated)	8823 W/C
Cold Pinch Temperature	4.486 K
Minimum Approach	0.1005 K
Heat Leak	9.000 W*

HX-13	
LMTD	0.1570 K
UA (Calculated)	8823 W/C
Cold Pinch Temperature	4.486 K
Minimum Approach	0.1005 K
Heat Leak	9.000 W*

T-1	
Power	40.13 kW
Feed Pressure	19.54 bar
Product Pressure	12.00 bar
Molar Flow	7317 Nm ³ /h(gas)
Mass Flow	363.0 g/s
Feed Temperature	151.5 K
Product Temperature	130.7 K
Adiabatic Efficiency	78.0
Adiabatic Fluid Head	141.7 kJ/kg
ALAT Type	C5-500
Bearing demand	10.91 g/s
Gas Losses	0.1933 g/s

T-2	
Power	26.76 kW
Feed Temperature	63.51 K
Product Temperature	49.64 K
Feed Pressure	11.83 bar
Product Pressure	5.180 bar
Mass Flow	362.8 g/s
Molar Flow	7313 Nm ³ /h(gas)
Adiabatic Efficiency	78.0
Adiabatic Fluid Head	94.57 kJ/kg
ALAT Type	C5-500
Bearing demand	10.91 g/s
Gas Losses	0.1961 g/s

T-3	
Power	35.03 kW
Feed Temperature	50.10 K
Product Temperature	34.42 K
Feed Pressure	19.00 bar
Product Pressure	5.240 bar
Mass Flow	416.5 g/s
Molar Flow	8395 Nm ³ /h(gas)
Adiabatic Efficiency	78.0
Adiabatic Fluid Head	107.8 kJ/kg
ALAT Type	C5-500
Bearing demand	10.93 g/s
Gas Losses	0.2511 g/s

T-4	
Power	12.50 kW
Feed Temperature	27.81 K
Product Temperature	18.85 K
Feed Pressure	19.27 bar
Product Pressure	5.256 bar
Mass Flow	270.3 g/s
Molar Flow	5448 Nm ³ /h(gas)
Adiabatic Efficiency	78.0
Adiabatic Fluid Head	59.31 kJ/kg
ALAT Type	C4-500
Bearing demand	6.166 g/s
Gas Losses	0.2789 g/s

T-5	
Power	11.25 kW
Feed Temperature	10.48 K
Product Temperature	8.210 K
Feed Pressure	19.23 bar
Product Pressure	8.000 bar
Mass Flow	1161 g/s
Molar Flow	2,340e+004 Nm ³ /h(gas)
Adiabatic Efficiency	78.0
Adiabatic Fluid Head	12.43 kJ/kg
ALAT Type	C5-500
Bearing demand	24.86 g/s
Gas Losses	0.6570 g/s

T-6	
Power	3.101 kW
Feed Temperature	5.111 K
Product Temperature	4.812 K
Feed Pressure	7.840 bar
Product Pressure	3.000 bar
Mass Flow	1160 g/s
Molar Flow	2,339e+004 Nm ³ /h(gas)
Adiabatic Efficiency	73.0
Adiabatic Fluid Head	3.661 kJ/kg
ALAT Type	C5-500
Bearing demand	g/s
Gas Losses	g/s