

AMBIENT AIR

V	25.00	m/s	90	D1	10.562	m	Reb	2.08E+07	Pr	7.44E-01	Nud	2.04E+04	FORCED VENTILATION
P	101325	Pa	km/h										h 47 w/m2K
T	250	K											NATURAL VENTILATION
dens	1.41	kg/m3											h 20 w/m2K
visc	1.79E-05	kg/ms											
k	0.0242	w/mK											
cp	1006.43	j/kg K											

insulated rubbed steel

rockwool	0.05	m	0.036	w/mk
steel	0.022	m	20	w/mk
rubber	0.008	m	0.33	w/mk

INTERNAL FLUE

V	4	m/s	D	10.492	m	Re	1.74E+06	Pr	7.15E-01	Nu	1.97E+04	h	45.52 w/m2 k
P	101325	Pa											
T	495	K											
dens	0.71	kg/m3											
visc	1.72E-05	kg/ms											
k	0.0242	w/mK											
cp	1006.43	j/kg K											

222.00 °C	218.31 °C	214.23 °C	214.05 °C	-19.41 °C	-23.00 °C	Req	1.46 m2K/W
495.00 °K	491.31 °K	487.23 °K	487.05 °K	2.54E+02 °K	250.00 °K	q	168.09 w/m2
	2.20E-02 m2K/W	2.42E-02 m2K/W	1.10E-03 m2K/W	1.39E+00 m2K/W	2.13E-02 m2K/W		
Tint	T0	T1	T2	T3	Ta		

