

AMBIENT AIR

| | | | | | | | | | | | | | |
|------|----------|--------|------|----|--------|---|-----|----------|----|----------|-----|----------|---------------------|
| V | 25.00 | m/s | 90 | D1 | 10.562 | m | Red | 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 | 2.51E+06 | Pr | 7.15E-01 | Nu | 2.65E+04 | h | 61.04 w/m2 k |
| P | 101325 | Pa | | | | | | | | | | | |
| T | 343 | K | | | | | | | | | | | |
| dens | 1.03 | kg/m3 | | | | | | | | | | | |
| visc | 1.72E-05 | kg/ms | | | | | | | | | | | |
| k | 0.0242 | w/mK | | | | | | | | | | | |
| cp | 1006.43 | j/kg K | | | | | | | | | | | |

| | | | | | | | |
|-----------|----------------|----------------|----------------|----------------|----------------|-----|------------|
| 70.00 °C | 68.95 °C | 67.40 °C | 67.33 °C | -21.63 °C | -23.00 °C | Req | 1.45 m2K/W |
| 343.00 °K | 341.95 °K | 340.40 °K | 340.33 °K | 2.51E+02 °K | 250.00 °K | q | 64.05 w/m2 |
| Tint | T0 | T1 | T2 | T3 | Ta | | |
| | 1.64E-02 m2K/W | 2.42E-02 m2K/W | 1.10E-03 m2K/W | 1.39E+00 m2K/W | 2.13E-02 m2K/W | | |

