## Example

Assume that a person can be approximated as a cylinder of 0.3-m diameter and 1.8 m height with a surface temperature of 25°C. Calculate the body heat loss while this person is subjected to a 15 m/s wind whose temperature is -5°C.



$$Re = \frac{e V_{00} D}{\mu} = \frac{(1.24c)(15)(0.3)}{(1.778 \times 10^{-5})} \frac{b_{11}}{p^{11}} \frac{b_{12}}{b_{13}} \frac$$