

Bing

The wind chill is a measure of how cold it really feels outside based on the air temperature and wind speed. The current formula for the wind chill in celsius and km/h is:

$$T_{wc} = 13.12 + 0.6215 \times T_a - 11.37 \times V^{0.16} + 0.3965 \times T_a \times V^{0.16}$$

Where:

- T_{wc} is the wind chill in degrees celsius
- T_a is the air temperature in degrees celsius
- V is the wind speed in kilometers per hour

For example, if the air temperature is -10°C and the wind speed is 20 km/h, the wind chill is:

$$T_{wc} = 13.12 + 0.6215 \times (-10) - 11.37 \times 20^{0.16} + 0.3965 \times (-10) \times 20^{0.16}$$

$$T_{wc} = -18.76 \text{ }^{\circ}\text{C}$$

You can also use the [wind chill calculator](#) to estimate the wind chill based on the air temperature and wind speed.