



## General

Windis Free 350 is an air curtain for free-hanging installation. This high-quality, low-noise unit is ideal for shops, offices, schools and daycare facilities. Thanks to its compact design it fits many types of entrances; the maximum installation height is 3.5 m. Integrated energy metering keeps your energy use under control. The unit uses EC motors and an adjustable jet impulse for an efficient air seal. Available widths: 1.0 m, 1.5 m, 2.0 m, 2.5 m. Designed and manufactured in Finland. Also available in stainless steel

1

### Integrated energy metering

built-in thermal energy meter; water volume flow is measured with ultrasonic technology.

2

### Smart controller

Integrated controller with web server and ready Modbus and BACnet interfaces.

3

### Adjustable flow impulse

discharge can be tuned to the site and need.



### Electrical data

| Type          | Power (W) | Air flow (m <sup>3</sup> /h) | Sound pressure (dBa) | Current (A) | Width (mm) | Weight (kg) |
|---------------|-----------|------------------------------|----------------------|-------------|------------|-------------|
| Free 350 -100 | 334       | 1692                         | 74                   | 2,5         | 980        | 46          |
| Free 350 -150 | 502       | 2433                         | 76                   | 3,75        | 1480       | 60          |
| Free 350 -200 | 666       | 3230                         | 77                   | 5           | 2016       | 79          |
| Free 350 -250 | 665       | 4473                         | 77                   | 5           | 2516       | 95          |

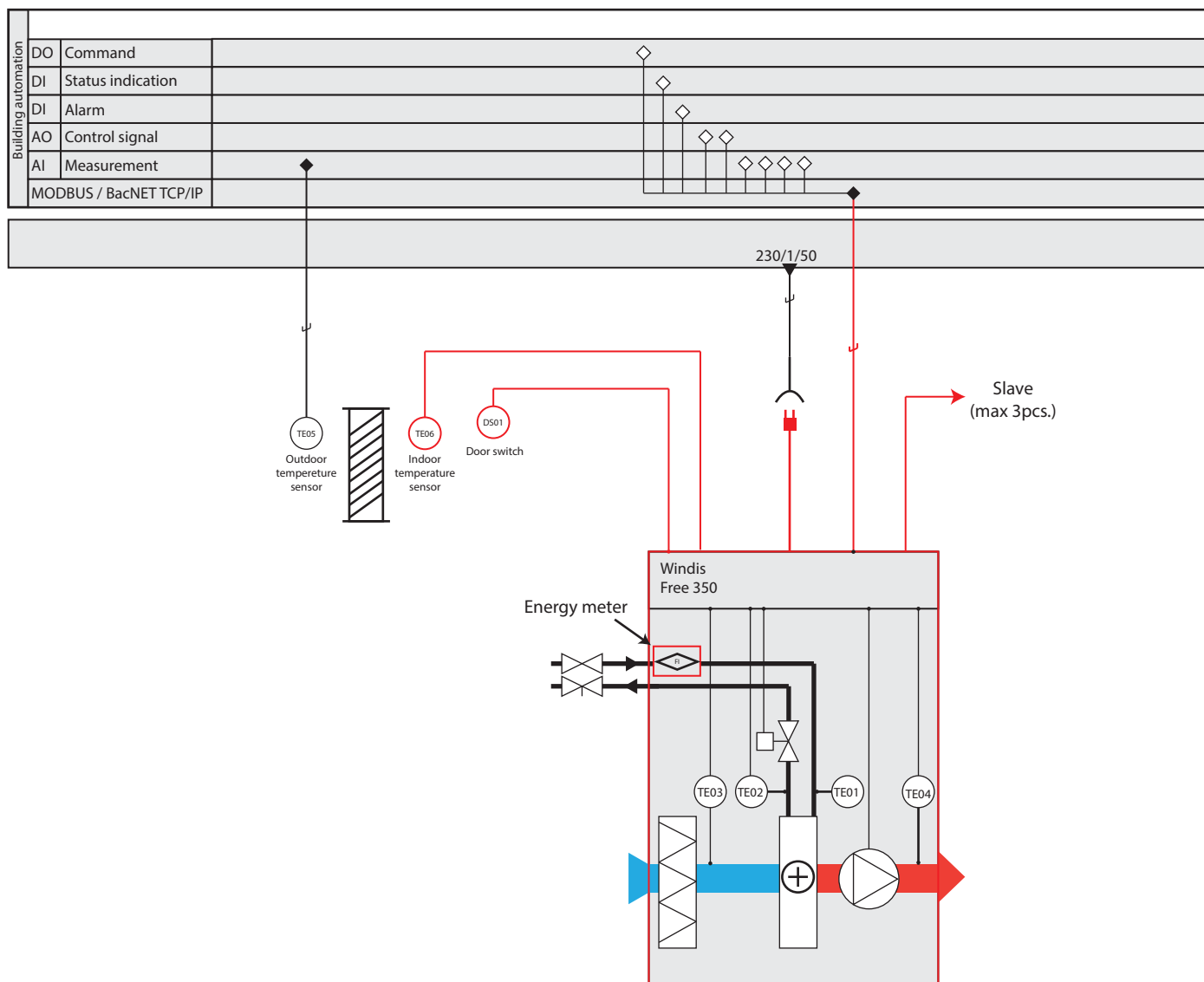
### Heating data

| Type          | Power (kW) | Water flow (l/s) | Pressure difference (kPa) | Power* (kW) | Water flow* (l/s) | Pressure difference* (kPa) |
|---------------|------------|------------------|---------------------------|-------------|-------------------|----------------------------|
| Free 350 -100 | 11         | 0,136            | 4                         | 6,5         | 0,077             | 1                          |
| Free 350 -150 | 18         | 0,217            | 11                        | 11          | 0,135             | 5                          |
| Free 350 -200 | 22         | 0,262            | 4                         | 12,5        | 0,15              | 1                          |
| Free 350 -250 | 31         | 0,372            | 8                         | 19          | 0,226             | 3                          |

Water temperatures: 60/40 °C (and 50/30 °C\*).

Inlet air: 18 °C.

Pressure loss: heat exchanger only.



## Tekniset tiedot:

### Värit:

Housing: RAL 7035  
other RAL colours on request  
Grille: RAL 7024

### Fan:

EC centrifugal fans, ball bearings

### Heating coils

Copper tubes (3/8") with aluminium fins,  
max 6 bar / 100 °C

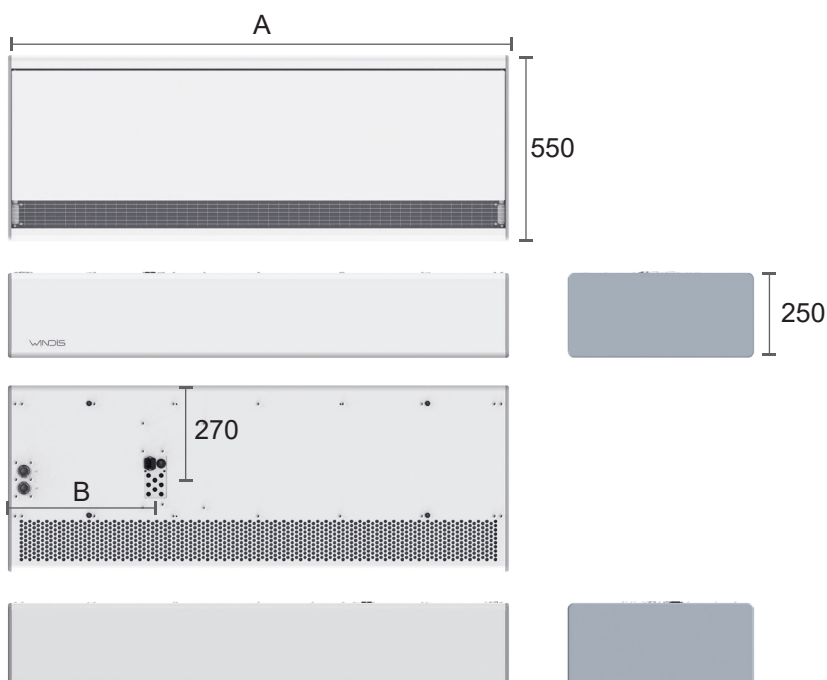
### Electrical connections:

2 m supply lead with safety-earthed plug.  
Other connections – M12 connector,  
Ethernet, USB

### Standard delivery scope:

- 2-way heating valve, adjustable Kvs
- Thermal energy meter with ultrasonic flow measurement
- G4 filter
- Adjustable jet impulse
- Interfaces: Modbus TCP, BACnet IP, Modbus RTU, BACnet MS/TP, and I/O
- Heating-circuit pressure measurement
- Air-bubble detection
- Internal temperature sensors: water in/out; air in/out

## Dimensions

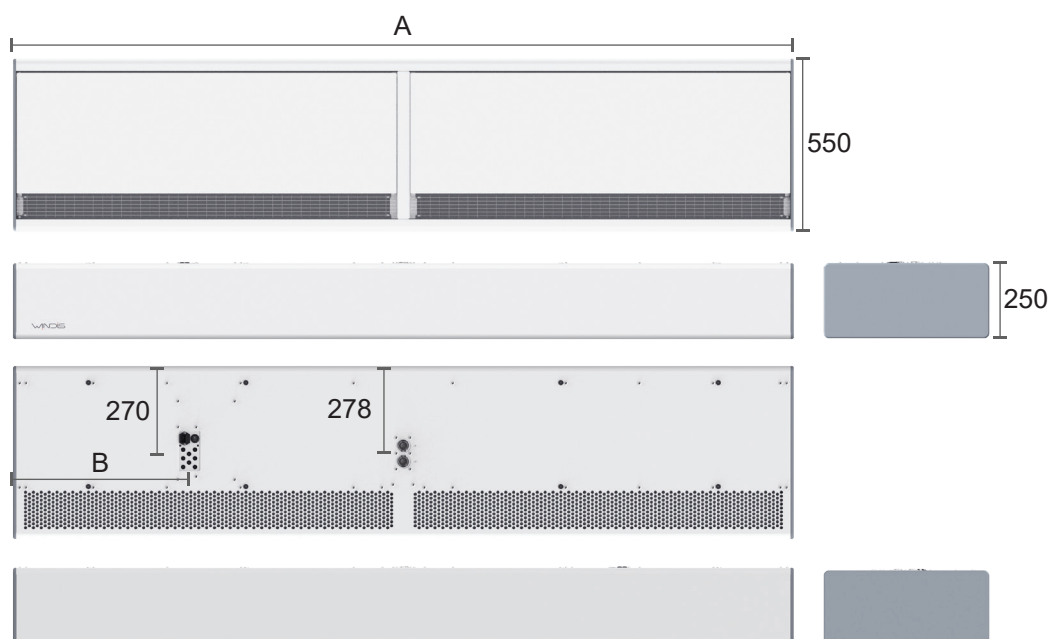


### Size 100 ja 150

100 A = 980 mm  
150 A = 1480 mm

100 B = 435 mm  
150 B = 435 mm

Water connections:  
Female thread DN20



### Size 200 ja 250

200 A = 1980 mm  
250 A = 2480 mm

200 B = 435 mm  
250 B = 560 mm

Water connections:  
Female thread DN20