

# Recessed Optima

The Recessed Optima air curtain is an economic solution for commercial building entrances with suspended ceiling systems.

The casing construction is made from galvanised plated steel and is ready to be recessed in a false ceiling, for easy installation. The inlet grille and outlet lamellas are integrated into a single frame. The low noise twisted cross-flow fans are driven with a two-speed external rotor motor.

This air curtain is suitable for small to mid-sized commercial sites, where heat loss through often wide doors can be significant. The Recessed Optima makes internal temperature control in these types of buildings more practical, with recommended installation height of up to 2.8m.

An Advanced Pro controller, with built in sensors that intelligently monitor and control temperatures, is included. The wall mounted LCD display offers 2 fan speed selections and 3 heater stages for electrically heated units, or 2 speed fan selection for LPHW and air only units. 7 metres of control cable and an IR hand-held remote are supplied, as standard. An optional Clever PRO intelligent programmable control compatible with Modbus RTU for BMS is also available.



Colours Available

White RAL9016 (standard)  
Any classic RAL colour



Fan Options

AC fan



Mounting Options

Horizontal



Heating Options

Electric, LPHW  
Air Only



Max Door Height

2.8 m



Lengths Available

1.0m 1.5m 2.0m



## Air Only

| Model     | Max mounting height(m) | Airflow (m <sup>3</sup> /h) | Ventilation power (W) | Ventilation current (A) | Noise level (dB(A)) | Weight (kg) |
|-----------|------------------------|-----------------------------|-----------------------|-------------------------|---------------------|-------------|
| RO 1000 A | 2.8                    | 1700                        | 0.080 / 0.41          | 35/50                   | 24                  | 23          |
| RO 1500 A | 2.8                    | 2200                        | 0.117 / 0.53          | 36/51                   | 34                  | 33          |
| RO 2000 A | 2.8                    | 3200                        | 0.160 / 0.82          | 38/53                   | 44.5                | 43.5        |

## Water Heated

| Model     | Max mounting height (m) | Airflow (m <sup>3</sup> /h) | Water heating capacity 80/60°C (kW) | Water Drop Pressure (Pa) | Power/current fans 230V-50Hz (kW/A) | Noise level (@5m) dB(A) | Weight (kg) |
|-----------|-------------------------|-----------------------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------|-------------|
| RO 1000 P | 2.8                     | 1450                        | 8.3                                 | 7360                     | 0.080 / 0.41                        | 37/51                   | 26.5        |
| RO 1500 P | 2.8                     | 2175                        | 13                                  | 7480                     | 0.117 / 0.53                        | 38/52                   | 37.5        |
| RO 2000 P | 2.8                     | 2850                        | 17.1                                | 6810                     | 0.160 / 0.82                        | 40/54                   | 49          |

Water heated: connection pipes 1/2" female. 2 rows coil. \*Tested to Amca 220-05

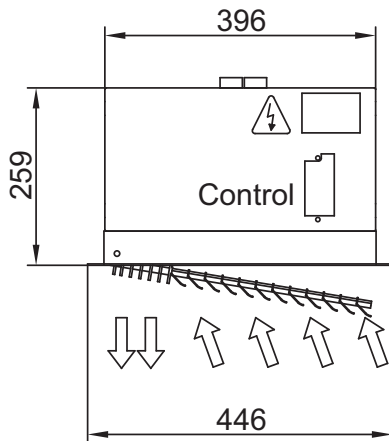
## Electrically Heated

## RECESSED

| Model          | Max mounting height (m) | Airflow (m³/h) | Electrical heating capacity (*) (kW) | Electrical heating voltage (V) | Electrical heating current (A) | Power/current fans 230V-50Hz (kW/A) | Noise level (@5m) dB(A) | Weight (kg) |
|----------------|-------------------------|----------------|--------------------------------------|--------------------------------|--------------------------------|-------------------------------------|-------------------------|-------------|
| RO 1000 E400   | 2.8                     | 1700           | 5.6                                  | 400Vx3                         | 5.8/8.7                        | 0.080 / 0.41                        | 35/50                   | 26          |
| RO 1000 E9     | 2.8                     | 1700           | 9                                    | 400Vx3                         | 8.7/13                         | 0.080 / 0.41                        | 35/50                   | 27          |
| RO 1000 E230   | 2.8                     | 1700           | 5.6                                  | 230Vx1                         | 16.5/24.5                      | 0.080 / 0.41                        | 35/50                   | 26          |
| RO 1500 E400   | 2.8                     | 2200           | 9                                    | 400Vx3                         | 8.7/13                         | 0.117 / 0.53                        | 36/51                   | 37.5        |
| RO 1500 E230-6 | 2.8                     | 2200           | 5.6                                  | 230Vx1                         | 16.5/24.5                      | 0.117 / 0.53                        | 36/51                   | 37.5        |
| RO 1500 E230-9 | 2.8                     | 2200           | 9                                    | 230Vx1*                        | 26/39.1                        | 0.117 / 0.53                        | 36/51                   | 37.5        |
| RO 2000 E400   | 2.8                     | 3200           | 11.3                                 | 400Vx3                         | 8.1/16.3                       | 0.160 / 0.82                        | 38/53                   | 53.5        |
| RO 2000 E230   | 2.8                     | 3200           | 11.3                                 | 230Vx1*                        | 24.5/49.1                      | 0.160 / 0.82                        | 38/53                   | 53.5        |

\* 2 separate 230V power supplies required.

## Layouts and Dimensions



|         | L    | L1   | A    | B   |
|---------|------|------|------|-----|
| RO 1000 | 1000 | 1050 | 938  | -   |
| RO 1500 | 1500 | 1550 | 1438 | -   |
| RO 2000 | 2000 | 2050 | 1938 | 969 |

