



AR3200C

Recessed air curtain for commercial premises, with remote and integrated control

Recommended installation height :

AR3200CA/E: 3,2 m

AR3200CW: 2,8 m

AR3200C is a compact air curtain intended for recessed mounting in commercial buildings and small industrial entrances.



Optimized airflow with Thermozone technology.

- Remote control and integrated regulation.
- 3 fan steps and 2 electrical heating steps.
- Reduced dimensions and integrated frame.
- Mounting with threaded bars. The threaded bars can also be fixed on the inside of the unit e.g. when mounted on a solid suspended ceiling.
- Corrosion proof frame and hatch made of hot zinc-plate and powder enamelled steel panels. Colour frame and hatch: white, RAL 9016, NCS S 0500-N. Colour grille: grey, RAL 7046. The frame and hatch can be painted in an optional colour. Non visible parts made of hot zinc plated steel panels.

☼ Ambient, no heat - AR3200C A (IP21)

| Type | Output [kW] | Airflow*1 [m³/h] | Sound power*2 [dB(A)] | Sound pressure*3 [dB(A)] | Voltage motor [V] | Amperage motor [A] | Length [mm] | Weight [kg] |
|----------|----------------|---------------------|--------------------------|-----------------------------|----------------------|-----------------------|----------------|----------------|
| AR3210CA | 0 | 1000/1800 | 73 | 43/57 | 230V~ | 0,7 | 1078 | 29 |
| AR3215CA | 0 | 1600/2900 | 73 | 43/57 | 230V~ | 1,3 | 1588 | 40 |
| AR3220CA | 0 | 2100/3900 | 76 | 44/60 | 230V~ | 1,6 | 2078 | 55 |

⚡ Electrical heat - AR3200C E (IP20)

| Type | Output steps [kW] | Airflow*1 [m³/h] | Δt*4 [°C] | Sound power*2 [dB(A)] | Sound pressure*3 [dB(A)] | Voltage motor [V] | Amperage motor [A] | Voltage[V] Amperage [A] (heat) | Length [mm] | Weight [kg] |
|------------|----------------------|---------------------|--------------|--------------------------|-----------------------------|----------------------|-----------------------|--------------------------------------|----------------|----------------|
| AR3210CE03 | 2/3 | 1000/1800 | 9/5 | 73 | 43/57 | 230V~ | 0,7 | 230V~/13 | 1078 | 30 |
| AR3210CE05 | 3,3/5 | 1000/1800 | 15/8 | 73 | 43/57 | 230V~ | 0,7 | 230V~/21,7 400V3N~/7,2 | 1078 | 30 |
| AR3210CE08 | 5/8 | 1000/1800 | 24/13 | 73 | 43/57 | 230V~ | 0,7 | 400V3N~/11,6 | 1078 | 31 |
| AR3215CE08 | 4/8 | 1600/2900 | 15/8 | 73 | 43/57 | 230V~ | 1,3 | 400V3N~/11,6 | 1588 | 41 |
| AR3215CE12 | 8/12 | 1600/2900 | 22/12 | 73 | 43/57 | 230V~ | 1,3 | 400V3N~/17,3 | 1588 | 42 |
| AR3220CE10 | 5/10 | 2100/3900 | 14/8 | 76 | 44/60 | 230V~ | 1,6 | 400V3N~/14,5 | 2078 | 57 |
| AR3220CE16 | 10/16 | 2100/3900 | 23/12 | 76 | 44/60 | 230V~ | 1,6 | 400V3N~/23,1 | 2078 | 59 |

💧 Water heat - AR3200C W (IP21)

| Type | Output*5 [kW] | Airflow*1 [m³/h] | Δt*4,5 [°C] | Water volume [l] | Sound power*2 [dB(A)] | Sound pressure*3 [dB(A)] | Voltage motor [A] | Amperage motor [A] | Length [mm] | Weight [kg] |
|----------|------------------|---------------------|----------------|---------------------|--------------------------|-----------------------------|----------------------|-----------------------|----------------|----------------|
| AR3210CW | 8,2 | 1000/1500 | 19/16 | 1,1 | 69 | 44/53 | 230V~ | 0,6 | 1078 | 30 |
| AR3215CW | 14 | 1700/2600 | 19/16 | 1,7 | 72 | 48/56 | 230V~ | 1,0 | 1588 | 41 |
| AR3220CW | 18 | 2500/3150 | 18/17 | 2,3 | 72 | 50/56 | 230V~ | 1,2 | 2078 | 56 |

*1) Lowest/highest airflow of totally 3 fan steps.

*2) Sound power (L_{WA}) measurements according to ISO 27327-2: 2014, Installation type E.

*3) Sound pressure (L_{pA}). Conditions: Distance to the unit 5 metres. Directional factor: 2. Equivalent absorption area: 200 m². At lowest/highest airflow.

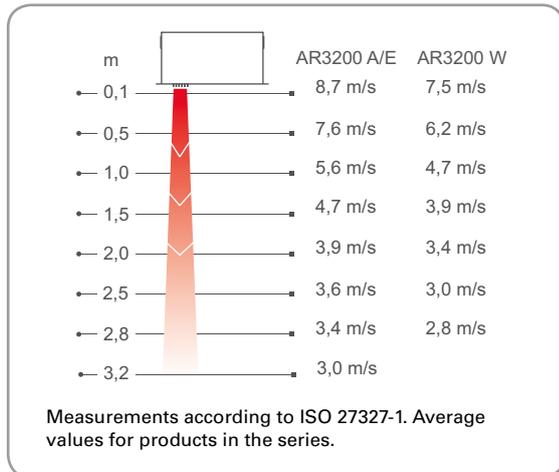
*4) Δt = temperature rise of passing air at maximum heat output and lowest/highest airflow.

*5) Applicable at water temperature 60/40 °C, air temperature, in +18 °C.

*) Recommended installation height varies depending on the relevant premises.

AR3200C

Air velocity profile



Control

The control system is integrated in the air curtain. The air curtain can be regulated with a remote control or by the control panel placed inside the service hatch. The air speed is set manually. The heat is controlled automatically.



Door switch control PA2DR is available as an accessory for a door switch function. Possibility of using external on/off.

Dimensions

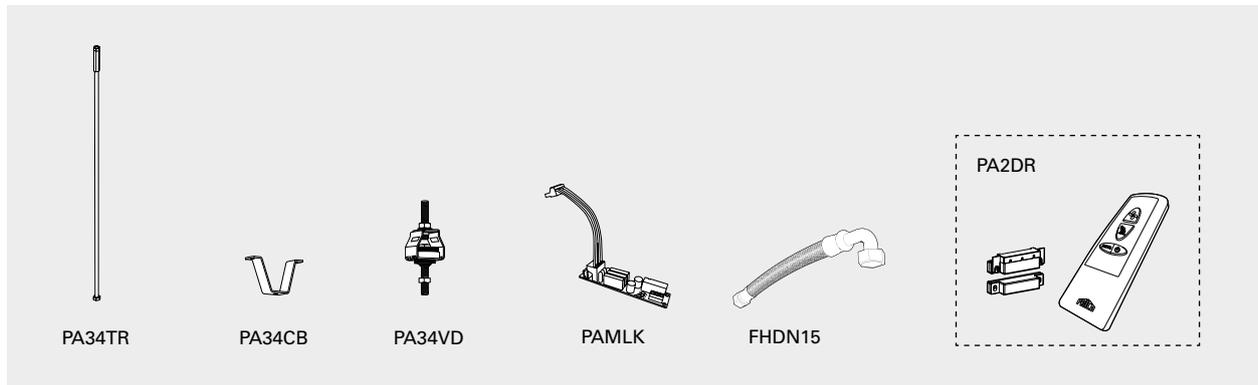
1, 1,5 m: 4 x M8
2 m: 6 x M8

Dimensions: 475, 256, 525

| | A | B |
|----------------|------|------|
| | [mm] | [mm] |
| AR3210C | 1078 | 1028 |
| AR3215C | 1588 | 1538 |
| AR3220C | 2078 | 2028 |

CE

Accessories

**PA34TR, threaded bars**

Threaded bars for installing unit on to a ceiling. Length 1 m. Used together with ceiling brackets (PA34CB). Supplemented with vibration dampers (PA34VD) for reduced vibration.

PA34CB, ceiling brackets

Ceiling brackets for installing the unit from the ceiling using wires or threaded bars (not included). Best combined with vibration dampers (PA34VD) when using threaded bars.

PA34VD, vibration dampers

Reduces vibrations for ceiling installations with threaded bars.

PAMLK, motor alarm board

Accessory allows connection for a motor alarm signal in units where this facility is not already available. PAMLK plugs between motor wiring harness and main PC board. For units with SIRE control (PA2500, AR3200) connection enables use of the provided motor protection terminals. For units without SIRE (PA2200/3200C, AR3200C), use potential free contact on PAMLK board.

FHDN15, flexible hoses

Flexible hoses for easy and practical installation of water heated unit. DN15.

PA2DR, door switch control

Contains a door switch for door indication and a special remote control intended to activate auto mode in the unit.

Valve kit VOT or VLSP is used to control the water flow. For more information see the "Controls" section.

| Type | Description | Quantity included | Length |
|-----------------|--|-------------------|--------|
| PA34TR15 | Threaded bars for 1 and 1,5 metre units | 4 | 1 m |
| PA34TR20 | Threaded bars for 2 metre units | 6 | 1 m |
| PA34CB15 | Ceiling brackets for 1 and 1,5 metre units | 4 | |
| PA34CB20 | Ceiling brackets for 2 metre units | 6 | |
| PA34VD15 | Vibration dampers for 1 and 1,5 metre units | 4 | |
| PA34VD20 | Vibration dampers for 2 metre units | 6 | |
| PAMLK | Motor alarm board | | |
| FHDN15 | Flexible hoses DN15, inside thread, 90° bend | 2 | 1 m |
| PA2DR | Door switch control | | |

For mounting, connection, wiring diagrams and other technical information, please see the manual.