



Description

**Stylish and energy-efficient air curtain for large commercial premises.**

Pamir 4200 has a recommended installation height of 4,2 m and is equipped with energy-efficient EC motors which enable stepless control of the airflow. The air curtain together with the intelligent FC control system allows you to easily optimize your comfort and save energy. The control system is ordered separately.

The recommended installation height varies depending on the relevant premises.

Technical parameters

| Installation                                 |                  |       |
|----------------------------------------------|------------------|-------|
| Maximum installation height                  | 4,200            | mm    |
| Nominal data                                 |                  |       |
| Color casing                                 | Traffic white    |       |
| Color casing, RAL                            | RAL 9016         |       |
| Color, outlet grilles                        | Telegrey 2       |       |
| Color outlet grilles, RAL                    | RAL 7046         |       |
| Enclosure class                              | IP24             |       |
| Ambient working temperature (dry conditions) | -20 to 30        | °C    |
| Dimensions and weights                       |                  |       |
| Length                                       | 1,039            | mm    |
| Height                                       | 331              | mm    |
| Depth                                        | 611              | mm    |
| Weight                                       | 53.42            | kg    |
| Air flow                                     |                  |       |
| Air flow                                     | 2200; 1800; 1000 | m³/h  |
| Sound data                                   |                  |       |
| Sound level                                  | 61; 58; 45       | dB(A) |
| Sound power level LWA                        | 77               | dB    |
| Motor/control supply                         |                  |       |
| Control/motor supply                         | 230              | V     |
| Phases, motor                                | 1~               |       |
| Control/motor current, 50 Hz                 | 3.2              | A     |
| Input power (P1), motor 50Hz                 | 510              | W     |
| Control/motor current, 60 Hz                 | 3.2              | A     |
| Input power (P1), motor 60Hz                 | 510              | W     |

| Water data                                     |         |     |
|------------------------------------------------|---------|-----|
| Water heating full output 40/30 °C, air +18 °C | 9.3     | kW  |
| Pressure drop water 40/30 °C, air +18 °C       | 6.9     | kPa |
| Water temperature                              | max 110 | °C  |
| Maximum working pressure                       | 16      | bar |
| Dimension water connections                    | DN20    |     |

| Parameter                |  |             |
|--------------------------|--|-------------|
| Power                    |  | 29.43 kW    |
| Air flow                 |  | 2200 m³/h   |
| Inlet air temperature    |  | 20 °C       |
| Outlet air temperature   |  | 59 °C       |
| Water flow               |  | 0.359 l/s   |
| Air pressure drop        |  | 100 Pa      |
| Inlet air humidity       |  | 70.0 % r.H  |
| Outlet air humidity      |  | 8.0 % r.H   |
| Water pressure drop      |  | 13.9 kPa    |
| Inlet fluid temperature  |  | 80 °C       |
| Outlet water temperature |  | 60 °C       |
| Fluid                    |  | fluidType_0 |
| Glycol                   |  | -           |

## Accessories

|                                       |                                         |
|---------------------------------------|-----------------------------------------|
| AXP300 Hit protection (10028)         | DTV200S Filter pressure guard (17597)   |
| FCBA Control for air curtain (74687)  | FCDA Control for air curtain (74684)    |
| FCPA Control for air curtain (74686)  | FCSA Control for air curtain (74685)    |
| FHDN20 Flexible hose kit DN20 (18055) | FHDN2010 Flexible hose k. DN20 (88906)  |
| PA34CB15 Ceiling brackets (18059)     | PA34EF10 External inlet filter (19064)  |
| PA34TR15 Threaded bars (18056)        | PA34VD15 Vibration damper (18065)       |
| PA34WB15 Wall brackets (18044)        | PA34WS15 Wire suspension (18062)        |
| PA4DCL Design kit ceiling (13560)     | PA4DCM Design kit ceiling (13559)       |
| PA4DCS Design kit ceiling (13557)     | PA4DW10 Design kit wall (110838)        |
| PA4DXT Design kit ceiling (13561)     | PA4JK Vertical kit/Joining kit (110760) |
| PA4XT10 Outlet extension (19090)      | PAWBL15 Wall brackets (214951)          |
| VPFC15LF Valve system DN15LF (238293) | VPFC15NF Valve system DN15NF (238294)   |
| VPFC20 Valve system DN20 (238295)     | VPFC25 Valve system DN25 (238296)       |
| VPFC32 Valve system DN32 (238297)     |                                         |

## Documents

|                                     |
|-------------------------------------|
| Catalogue pages Pamir 4200          |
| Manual Pamir 3500/4200/5000         |
| Declaration of Conformity PAFEC4200 |
| UKCA Declaration PAFEC4200          |
| Exploded view PAFEC35-42-50         |