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|---|--|--|--|--|--|--|--|--|--|--|
| Marque commerciale fournisseur  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  |
| Désignation   | ProtectONE R 2.0                                 | ProtectONE R 4.0                                 | ProtectONE R 5.0 2P                              | ProtectONE R 6.5                                 | ProtectONE R 8.0                                 | ProtectONE R 9.0 2P                              | ProtectONE R 10.0                                | ProtectONE R 12.0                                | ProtectONE R 15.0                                | ProtectONE R 21.0                                |
| Références  | 11039260   | 11039261   | 11039262   | 11039263   | 11039264   | 11039265   | 11039266   | 11039267   | 11039268   | 11039269   |
| Typologie déclarée  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Type de Flux  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Type de motorisation installée ou prévue  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  |
| Type de système de récupération de chaleur  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Rendement thermique de récupération de chaleur (%)  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Débit nominal du UVNR (m³/s)  | 0.58   | 0.83   | 0.89   | 1.25   | 1.49   | 1.66   | 1.33   | 2.25   | 2.30   | 3.43   |
| Puissance électrique nominale absorbée (kW)   | 0.327  | 0.547  | 1.590  | 1.089  | 1.587  | 4.365  | 1.830  | 2.895  | 3.360  | 5.940  |
| SFPint (W/(m³/s))   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Vitesse frontale au soufflage au débit nominal (m/s)  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Vitesse frontale à l'extraction au débit nominal (m/s)  | 2.95   | 4.23   | 4.53   | 4.98   | 5.95   | 6.66   | 2.87   | 4.87   | 4.99   | 7.43   |
| $\Delta P_{s,ext}$ - Pression nominale externe (Pa)   | 195  | 383  | 1042   | 466  | 567  | 1509   | 727  | 708  | 795  | 1010   |
| $\Delta P_{s,int}$ - Perte de charge interne des composants de ventilation au soufflage (Pa)      | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Rendement statique du ventilateur de soufflage utilisé (%)  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Rendement statique du ventilateur d'extraction utilisé (%)  | 35.2   | 58.2   | 58.4   | 53.3   | 53.1   | 57.5   | 53.4   | 55.0   | 54.5   | 58.3   |
| Taux de fuites externe maximal déclaré du caisson de l'unité de ventilation (%)                   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Taux de fuites externe maximal déclaré de l'unité de ventilation double flux ou recirculation (%) | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Performance énergétique du filtre de soufflage  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Performance énergétique du filtre d'extraction  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Description de l'alarme visuelle de filtre  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| LwA - Niveau de puissance acoustique (dB)   | 73.4   | 80.2   | 95.6   | 82.6   | 85.6   | 98.7   | 87.3   | 88.3   | 89.8   | 90.6   |
| Adresse internet concernant les instructions de démontage   | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> |



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|---|--|--|--|--|--|--|--|--|--|--|
| Marque commerciale fournisseur  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  |
| Désignation   | ProtectONE R 2.0 EL                              | ProtectONE R 4.0 EL                              | ProtectONE R 5.0 2P EL                           | ProtectONE R 6.5 EL                              | ProtectONE R 8.0 EL                              | ProtectONE R9.0 2P EL                            | ProtectONE R 10.0 EL                             | ProtectONE R 12.0 EL                             | ProtectONE R 15.0 EL                             | ProtectONE R 21.0 EL                             |
| Références  | 11039270   | 11039271   | 11039272   | 11039273   | 11039274   | 11039275   | 11039276   | 11039277   | 11039278   | 11039279   |
| Typologie déclarée  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Type de Flux  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Type de motorisation installée ou prévue  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  |
| Type de système de récupération de chaleur  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Rendement thermique de récupération de chaleur (%)  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Débit nominal du UVNR (m³/s)  | 0,58   | 0,83   | 0,89   | 1,25   | 1,49   | 1,66   | 1,33   | 2,25   | 2,30   | 3,43   |
| Puissance électrique nominale absorbée (kW)   | 0.327  | 0.654  | 1.350  | 0.990  | 1.500  | 1.950  | 4.380  | 2.826  | 3.390  | 5.430  |
| SFPint (W/(m³/s))   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Vitesse frontale au soufflage au débit nominal (m/s)  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Vitesse frontale à l'extraction au débit nominal (m/s)  | 3.24   | 4.28   | 4.83   | 3.42   | 4.83   | 5.3  | 4.05   | 4.42   | 7.15   | 6.85   |
| $\Delta P_{s,ext}$ - Pression nominale externe (Pa)   | 195  | 386  | 1154   | 531  | 588  | 736  | 1458   | 819  | 577  | 1061   |
| $\Delta P_{s,int}$ - Perte de charge interne des composants de ventilation au soufflage (Pa)      | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Rendement statique du ventilateur de soufflage utilisé (%)  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Rendement statique du ventilateur d'extraction utilisé (%)  | 35.2   | 45.2   | 50.9   | 48.9   | 50.5   | 53.4   | 54.7   | 51.9   | 51.0   | 54.3   |
| Taux de fuites externe maximal déclaré du caisson de l'unité de ventilation (%)                   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Taux de fuites externe maximal déclaré de l'unité de ventilation double flux ou recirculation (%) | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Performance énergétique du filtre de soufflage  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Performance énergétique du filtre d'extraction  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Description de l'alarme visuelle de filtre  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| LwA - Niveau de puissance acoustique (dB)   | 73.4   | 80.2   | 95.6   | 82.6   | 85.6   | 98.7   | 87.3   | 88.3   | 89.8   | 90.6   |
| Adresse internet concernant les instructions de démontage   | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> |

## ProtectONE R smoke exhaust fans units

### ProtectONE R

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|   |  |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|
| Supplier brand  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  |
| Designation   | ProtectONE R 2.0                                 | ProtectONE R 4.0                                 | ProtectONE R 5.0 2P                              | ProtectONE R 6.5                                 | ProtectONE R 8.0                                 | ProtectONE R 9.0 2P                              | ProtectONE R 10.0                                | ProtectONE R 12.0                                | ProtectONE R 15.0                                | ProtectONE R 21.0                                |
| References  | 11039260   | 11039261   | 11039262   | 11039263   | 11039264   | 11039265   | 11039266   | 11039267   | 11039268   | 11039269   |
| Declared type   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Type of airflow   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Type of motor installed or planned  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  |
| Type of heat recovery system  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Thermal efficiency of heat recovery (%)   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Nominal airflow of NRUV (m <sup>3</sup> /s)   | 0.58   | 0.83   | 0.89   | 1.25   | 1.49   | 1.66   | 1.33   | 2.25   | 2.30   | 3.43   |
| Rated electric power absorbed (kW)  | 0.327  | 0.547  | 1.590  | 1.089  | 1.587  | 4.365  | 1.830  | 2.895  | 3.360  | 5.940  |
| SPI int (W/(m <sup>3</sup> /s))   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Face velocity of air supply at design flow rate (m/s)                                     | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Face velocity of air exhaust at design flow rate (m/s)                                    | 2.95   | 4.23   | 4.53   | 4.98   | 5.95   | 6.66   | 2.87   | 4.87   | 4.99   | 7.43   |
| $\Delta P_{s,ext}$ - Rated external pressure (Pa)   | 195  | 383  | 1042   | 466  | 567  | 1509   | 727  | 708  | 795  | 1010   |
| $\Delta P_{s,int}$ - Internal pressure loss on ventilation components via air supply (Pa) | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Static efficiency of air supply fan used  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Static efficiency of air exhaust fan used   | 35.2   | 58.2   | 58.4   | 53.3   | 53.1   | 57.5   | 53.4   | 55.0   | 54.5   | 58.3   |
| Maximum declared external leakage rate from fan unit                                      | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Maximum declared internal leakage rate from BVU or recirculation unit (%)                 | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Energy performance of air supply filter   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Energy performance of air exhaust filter  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Description of filter visual alarm  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| LwA - Sound power level (dB)  | 73.4   | 80.2   | 95.6   | 82.6   | 85.6   | 98.7   | 87.3   | 88.3   | 89.8   | 90.6   |
| Internet address for removal instructions   | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> |

## ProtectONE R smoke exhaust fans units

### ProtectONE R

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|   |  |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|--|
| Supplier brand  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  | Aldes  |
| Designation   | ProtectONE R 2.0 EL                              | ProtectONE R 4.0 EL                              | ProtectONE R 5.0 2P EL                           | ProtectONE R 6.5 EL                              | ProtectONE R 8.0 EL                              | ProtectONE R9.0 2P EL                            | ProtectONE R 10.0 EL                             | ProtectONE R 12.0 EL                             | ProtectONE R 15.0 EL                             | ProtectONE R 21.0 EL                             |
| References  | 11039270   | 11039271   | 11039272   | 11039273   | 11039274   | 11039275   | 11039276   | 11039277   | 11039278   | 11039279   |
| Declared type   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Type of airflow   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Type of motor installed or planned  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  | One speed  |
| Type of heat recovery system  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Thermal efficiency of heat recovery (%)   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Nominal airflow of NRvu (m <sup>3</sup> /s)                                     | 0,58   | 0,83   | 0,89   | 1,25   | 1,49   | 1,66   | 1,33   | 2,25   | 2,30   | 3,43   |
| Rated electric power absorbed (kW)  | 0.327  | 0.654  | 1.350  | 0.990  | 1.500  | 1.950  | 4.380  | 2.826  | 3.390  | 5.430  |
| SPI int (W/(m <sup>3</sup> /s))   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Face velocity of air supply at design flow rate (m/s)                           | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Face velocity of air exhaust at design flow rate (m/s)                          | 3.24   | 4.28   | 4.83   | 3.42   | 4.83   | 5.3  | 4.05   | 4.42   | 7.15   | 6.85   |
| Δ Ps,ext - Rated external pressure (Pa)   | 195  | 386  | 1154   | 531  | 588  | 736  | 1458   | 819  | 577  | 1061   |
| Δ Ps,int - Internal pressure loss on ventilation components via air supply (Pa) | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Static efficiency of air supply fan used  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Static efficiency of air exhaust fan used                                       | 35.2   | 45.2   | 50.9   | 48.9   | 50.5   | 53.4   | 54.7   | 51.9   | 51.0   | 54.3   |
| Maximum declared external leakage rate from fan unit                            | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Maximum declared internal leakage rate from BVU or recirculation unit (%)       | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Energy performance of air supply filter   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Energy performance of air exhaust filter  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| Description of filter visual alarm  | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   |
| LwA - Sound power level (dB)  | 73.4   | 80.2   | 95.6   | 82.6   | 85.6   | 98.7   | 87.3   | 88.3   | 89.8   | 90.6   |
| Internet address for removal instructions                                       | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> | <a href="http://www.aldes.com">www.aldes.com</a> |