## Technical Features

RAL 9016 standard

Other colors on request

Stainless steel

**Range**
**Up to 13,8 ft**

**Airflow / Length**
**883 - 4473 cfm**
**3,2 ft to 9,8 ft**

**Fans**
**Centrifugal**
**5-speed**

**Heating types**
**E : electrical 3 stages**
**P : water**
**A : unheated**

**Heating capacity**
**E : 6 - 30,5 kW**
**P : 25,73 - 137,65 kBtu/h**

**Control**
**Plug&Play manual regulator + IR remote control**

**Casing**
**Galvanised Steel [*]**

**Grille type**
**Micro-perforated with prefilter function**

**Outlet lamellas**
**Aluminium, airfoil type**
**Adjustable 0-15° each side**

[*] Customizable dimensions on request

WINDBOX air curtains range provide equipment suitable for all types of commercial entrances. A compact and robust air curtain from our standard range with a timeless design, ready for visible installation over the door and prepared for multiple false ceiling installation configurations. Casing painted in RAL 9016. Other colors are available on request.
This air curtain model works with low noise double-inlet centrifugal fans with external rotor motor. EC models assembled with very low consumption efficiency fans.
Includes Plug&Play control with 23ft RJ45 cable, infrared remote control and magnetic door contact. For electrical heated models also includes thermostat.

CSA certified.

UNHEATED 208V-1ph~60Hz

| Model | Airflow | Ventilation power 208V-1ph~60Hz | Ventilation current 208V-1ph~60Hz | Noise level (5 m) | Weight |
|---|---|---|---|---|---|
| | cfm | kW | A | dB(A) | lb |
| M 1000 A | 1089 | 0,221 | 1,07 | 54 | 68,3 |
| M 1500 A | 1633 | 0,332 | 1,61 | 55 | 101,4 |
| M 2000 A | 2177 | 0,442 | 2,14 | 56 | 127,9 |
| M 2500 A | 2722 | 0,553 | 2,68 | 57 | 158,7 |
| M 3000 A | 3266 | 0,663 | 3,21 | 58 | 189,6 |
| G 1000 A | 1368 | 0,332 | 1,61 | 56 | 94,8 |
| G 1500 A | 1824 | 0,442 | 2,14 | 57 | 112,4 |
| G 2000 A | 2737 | 0,663 | 3,21 | 58 | 176,4 |
| G 2500 A | 3193 | 0,774 | 3,75 | 59 | 185,2 |
| G 3000 A | 3649 | 0,884 | 4,28 | 60 | 209,4 |
| ECG 1000 A | 1589 | 0,319 | 2,79 | 60 | 94,8 |
| ECG 1500 A | 2119 | 0,425 | 3,72 | 61 | 112,4 |
| ECG 2000 A | 3178 | 0,638 | 5,58 | 62 | 176,4 |
| ECG 2500 A | 3708 | 0,744 | 6,51 | 63 | 185,2 |
| ECG 3000 A | 4237 | 0,851 | 7,44 | 64 | 209,4 |

UNHEATED 240V-1ph~60Hz

| Model | Airflow | Ventilation power 240V-1ph~60Hz | Ventilation current 240V-1ph~60Hz | Noise level (5 m) | Weight |
|---|---|---|---|---|---|
| | cfm | kW | A | dB(A) | lb |
| M 1000 A | 1177 | 0,263 | 1,10 | 55 | 68,3 |
| M 1500 A | 1766 | 0,395 | 1,65 | 56 | 101,4 |
| M 2000 A | 2354 | 0,526 | 2,20 | 57 | 127,9 |
| M 2500 A | 2943 | 0,658 | 2,75 | 58 | 158,7 |
| M 3000 A | 3531 | 0,789 | 3,30 | 59 | 189,6 |
| G 1000 A | 1457 | 0,395 | 1,65 | 57 | 94,8 |
| G 1500 A | 1942 | 0,526 | 2,20 | 58 | 112,4 |
| G 2000 A | 2913 | 0,789 | 3,30 | 59 | 176,4 |
| G 2500 A | 3399 | 0,921 | 3,85 | 60 | 185,2 |
| G 3000 A | 3884 | 1,052 | 4,40 | 61 | 209,4 |
| ECG 1000 A | 1677 | 0,381 | 2,94 | 61 | 94,8 |
| ECG 1500 A | 2236 | 0,508 | 3,92 | 62 | 112,4 |
| ECG 2000 A | 3354 | 0,762 | 5,88 | 63 | 176,4 |
| ECG 2500 A | 3914 | 0,889 | 6,86 | 64 | 185,2 |
| ECG 3000 A | 4473 | 1,016 | 7,84 | 65 | 209,4 |

ELECTRIC HEATED 208V-1ph~60Hz

| Model | Airflow | Electrical heating capacity (*) 208V-3ph~60Hz | Electrical heating capacity (*) 460V-3ph~60Hz | Electrical heating capacity (*) 480V-3ph~60Hz | Electrical heating capacity (*) 575V-3ph~60Hz | Ventilation power 208V-1ph ~60Hz | Ventilation current 208V-1ph ~60Hz | Noise level (5 m) | Weight |
|---|---|---|---|---|---|---|---|---|---|
| | cfm | kW | kW | kW | kW | kW | A | dB(A) | lb |
| M 1000 E | 1059 | 2/4/6 | 2/4,5/6,5 | 2,5/5/7,5 | 3,5/3,5/7 | 0,221 | 1,07 | 54 | 81,6 |
| M 1500 E | 1589 | 3/6/9 | 3/6,5/9,5 | 3,5/7/10,5 | 5/5/10 | 0,332 | 1,61 | 55 | 125,7 |
| M 2000 E | 2119 | 4/8/12 | 4/8,5/12,5 | 4,5/9/13,5 | 6,5/6,5/13 | 0,442 | 2,14 | 56 | 165,3 |
| M 2500 E | 2648 | 5/8/13 | 5/10/15 | 5,5/11/16,5 | 8/8/16 | 0,553 | 2,68 | 57 | 207,2 |
| M 3000 E | 3178 | 6,5/8/14,5 | 6/12/18 | 6,5/13/19,5 | 9,5/9,5/19 | 0,663 | 3,21 | 58 | 246,9 |
| G 1000 E | 1324 | 2,5/5/7,5 | 2,5/5/7,5 | 3/5,5/8,5 | 3,5/4/7,5 | 0,332 | 1,61 | 56 | 114,6 |
| G 1500 E | 1766 | 3,5/6,5/10 | 3,5/7/10,5 | 4/7,5/11,5 | 5/5,5/10,5 | 0,442 | 2,14 | 57 | 138,9 |
| G 2000 E | 2648 | 5/9/14 | 5/10,5/15,5 | 5,5/11/16,5 | 6,5/8/14,5 | 0,663 | 3,21 | 58 | 220,5 |
| G 2500 E | 3090 | 5,5/9/14,5 | 6/12/18 | 6,5/13/19,5 | 8/9,5/17,5 | 0,774 | 3,75 | 59 | 233,7 |
| G 3000 E | 3531 | 6,5/8/14,5 | 6/12/18 | 6,5/13/19,5 | 9,5/9,5/19 | 0,884 | 4,28 | 60 | 264,6 |
| ECG 1000 E | 1589 | 4/8/12 | 4/8/12 | 4,3/8,7/13 | 4/8/12 | 0,319 | 2,79 | 60 | 114,6 |
| ECG 1500 E | 2119 | 6/9,5/15,5 | 5,5/10,5/16 | 5,8/11,7/17,5 | 5,5/11/16,5 | 0,425 | 3,72 | 61 | 138,9 |
| ECG 2000 E | 3178 | 5/9/14 | 8/16,5/24,5 | 8,8/17,7/26,5 | 8/16/24 | 0,638 | 5,58 | 62 | 220,5 |
| ECG 2500 E | 3708 | 5,5/9/14,5 | 9,5/18,5/28 | 10,2/20,3/30,5 | 9,5/19/28,5 | 0,744 | 6,51 | 63 | 233,7 |
| ECG 3000 E | 4237 | 6,5/8/14,5 | 9,5/18,5/28 | 10,2/20,3/30,5 | 9,5/19/28,5 | 0,851 | 7,44 | 64 | 264,6 |

(*) Under request other electrical heating power can be limited.

For 208V~3ph~60Hz air curtains there is only needed to connect three-phase power supply.
For the rest of air curtains, there is needed to connect both three-phase (for electrical heating) and single phase (for fans).

ELECTRIC HEATED 240V-1ph~60Hz

| Model | Airflow | Electrical heating capacity (*) 208V-3ph~60Hz | Electrical heating capacity (*) 460V-3ph~60Hz | Electrical heating capacity (*) 480V-3ph~60Hz | Electrical heating capacity (*) 575V-3ph~60Hz | Ventilation power 240V-1ph ~60Hz | Ventilation current 240V-1ph ~60Hz | Noise level (5 m) | Weight |
|---|---|---|---|---|---|---|---|---|---|
| | cfm | kW | kW | kW | kW | kW | A | dB(A) | lb |
| M 1000 E | 1148 | 2,5/5/7,5 | 3,3/6,7/10 | 3,7/7,3/11 | 3,5/7/10,5 | 0,263 | 1,10 | 55 | 81,6 |
| M 1500 E | 1721 | 3/6,5/9,5 | 4,8/9,7/14,5 | 5,2/10,3/15,5 | 5/10/15 | 0,395 | 1,65 | 56 | 125,7 |
| M 2000 E | 2295 | 4/8/12 | 6,5/13/19,5 | 7/14/21 | 6,5/13/19,5 | 0,526 | 2,20 | 57 | 165,3 |
| M 2500 E | 2869 | 5/8/13 | 8,2/16,3/24,5 | 8,8/17,7/26,5 | 8/16/24 | 0,658 | 2,75 | 58 | 207,2 |
| M 3000 E | 3443 | 6,5/8/14,5 | 9,3/18,7/28 | 10,3/20,3/30,5 | 9,5/19/28,5 | 0,789 | 3,30 | 59 | 246,9 |
| G 1000 E | 1412 | 4/8/12 | 4/8/12 | 4,3/8,7/13 | 4/8/12 | 0,395 | 1,65 | 57 | 114,6 |
| G 1500 E | 1883 | 6/9,5/15,5 | 5,3/10,7/16 | 5,8/11,7/17,5 | 5,5/11/16,5 | 0,526 | 2,20 | 58 | 138,9 |
| G 2000 E | 2825 | 5/9/14 | 8,2/16,3/24,5 | 8,8/17,7/26,5 | 8/16/24 | 0,789 | 3,30 | 59 | 220,5 |
| G 2500 E | 3296 | 5,5/9/14,5 | 9,3/18,7/28 | 10,2/20,3/30,5 | 9,5/19/28,5 | 0,921 | 3,85 | 60 | 233,7 |
| G 3000 E | 3766 | 6,5/8/14,5 | 9,3/18,7/28 | 10,2/20,3/30,5 | 9,5/19/28,5 | 1,052 | 4,40 | 61 | 264,6 |
| ECG 1000 E | 1633 | 4/8/12 | 4/8/12 | 4,3/8,7/13 | 4/8/12 | 0,381 | 2,94 | 61 | 114,6 |
| ECG 1500 E | 2177 | 6/9,5/15,5 | 5,3/10,7/16 | 5,8/11,7/17,5 | 5,5/11/16,5 | 0,508 | 3,92 | 62 | 138,9 |
| ECG 2000 E | 3266 | 5/9/14 | 8,2/16,3/24,5 | 8,8/17,7/26,5 | 8/16/24 | 0,762 | 5,88 | 63 | 220,5 |
| ECG 2500 E | 3811 | 5,5/9/14,5 | 9,3/18,7/28 | 10,2/20,3/30,5 | 9,5/19/28,5 | 0,889 | 6,86 | 64 | 233,7 |
| ECG 3000 E | 4355 | 6,5/8/14,5 | 9,3/18,7/28 | 10,2/20,3/30,5 | 9,5/19/28,5 | 1,016 | 7,84 | 65 | 264,6 |

(*) Under request other electrical heating power can be limited.

WATER HEATED 208V-1ph~60Hz

| Model | Airflow | P86 (176/140°F) | | P64 (140/104°F) | | P54 (122/104°F) | | Ventilation power (*) | Ventilation current (*) | Noise level (5 m) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Water heating capacity | Water pressure drop | Water heating capacity | Water pressure drop | Water heating capacity | Water pressure drop | | | | |
| | cfm | kBtu/h | psi | kBtu/h | psi | kBtu/h | psi | kW | A | dB(A) | lb |
| M 1000 P | 883 | 29,38 | 0,11 | 26,03 | 0,56 | 25,73 | 0,16 | 0,282 | 1,19 | 55 | 77,2 |
| M 1500 P | 1324 | 45,62 | 0,10 | 41,59 | 0,83 | 43,3 | 0,57 | 0,422 | 1,78 | 56 | 116,8 |
| M 2000 P | 1766 | 66,09 | 0,25 | 55,45 | 0,61 | 56,3 | 0,26 | 0,562 | 2,37 | 57 | 152,1 |
| M 2500 P | 2207 | 86,16 | 0,49 | 69,16 | 0,49 | 73,4 | 0,51 | 0,703 | 2,98 | 58 | 189,6 |
| M 3000 P | 2648 | 106,32 | 0,85 | 86,12 | 0,87 | 89,84 | 0,72 | 0,844 | 3,57 | 59 | 227,1 |
| G 1000 P | 1103 | 33,75 | 0,15 | 30,13 | 0,73 | 30,23 | 0,21 | 0,422 | 1,78 | 55 | 77,2 |
| G 1500 P | 1471 | 48,79 | 0,11 | 44,63 | 0,94 | 46,75 | 0,65 | 0,562 | 2,37 | 56 | 116,8 |
| G 2000 P | 2207 | 76,06 | 0,32 | 64,35 | 0,80 | 66,2 | 0,35 | 0,844 | 3,57 | 57 | 152,1 |
| G 2500 P | 2575 | 94,99 | 0,59 | 76,7 | 0,59 | 82,13 | 0,63 | 0,985 | 4,16 | 58 | 189,6 |
| G 3000 P | 2943 | 113,73 | 0,96 | 92,47 | 0,99 | 97,04 | 0,83 | 1,125 | 4,76 | 59 | 227,1 |
| ECG 1000 P | 1501 | 40,57 | 0,20 | 36,61 | 1,03 | 37,36 | 0,30 | 0,320 | 2,86 | 55 | 77,2 |
| ECG 1500 P | 2001 | 59 | 0,16 | 54,49 | 1,34 | 58,07 | 0,96 | 0,427 | 3,81 | 56 | 116,8 |
| ECG 2000 P | 3001 | 91,68 | 0,45 | 78,45 | 1,14 | 82,06 | 0,51 | 0,640 | 5,72 | 57 | 152,1 |
| ECG 2500 P | 3502 | 114,78 | 0,82 | 93,77 | 0,85 | 102 | 0,92 | 0,747 | 6,67 | 58 | 189,6 |
| ECG 3000 P | 4002 | 137,68 | 1,35 | 113,15 | 1,41 | 120,79 | 1,22 | 0,854 | 7,63 | 59 | 227,1 |

Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.
(*) Voltage 208-1ph~60Hz

WATER HEATED 240V-1ph~60Hz

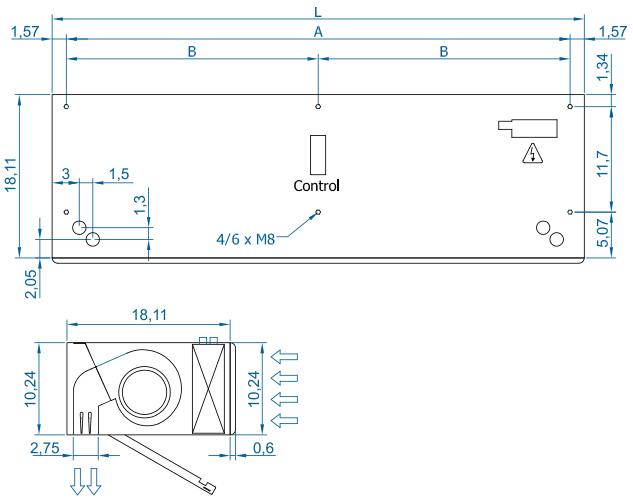
| Model | Airflow | P86 (176/140°F) | | P64 (140/104°F) | | P54 (122/104°F) | | Ventilation power (*) | Ventilation current (*) | Noise level (5 m) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Water heating capacity | Water pressure drop | Water heating capacity | Water pressure drop | Water heating capacity | Water pressure drop | | | | |
| | cfm | kBtu/h | psi | kBtu/h | psi | kBtu/h | psi | kW | A | dB(A) | lb |
| M 1000 P | 1059 | 32,89 | 0,14 | 29,34 | 0,70 | 29,34 | 0,20 | 0,335 | 1,22 | 56 | 77,2 |
| M 1500 P | 1589 | 51,22 | 0,12 | 46,95 | 1,03 | 49,41 | 0,72 | 0,502 | 1,83 | 57 | 116,8 |
| M 2000 P | 2119 | 74,15 | 0,31 | 62,65 | 0,76 | 64,28 | 0,33 | 0,669 | 2,44 | 58 | 152,1 |
| M 2500 P | 2648 | 96,67 | 0,60 | 78,17 | 0,61 | 83,8 | 0,65 | 0,837 | 3,06 | 59 | 189,6 |
| M 3000 P | 3178 | 119,36 | 1,05 | 97,31 | 1,08 | 102,6 | 0,91 | 1,004 | 3,67 | 60 | 227,1 |
| G 1000 P | 1324 | 37,67 | 0,18 | 33,85 | 0,90 | 34,33 | 0,26 | 0,502 | 1,83 | 56 | 110,2 |
| G 1500 P | 1766 | 54,66 | 0,14 | 50,29 | 1,16 | 53,23 | 0,82 | 0,669 | 2,44 | 57 | 130,1 |
| G 2000 P | 2648 | 85,03 | 0,39 | 72,44 | 0,99 | 75,27 | 0,44 | 1,004 | 3,67 | 58 | 202,8 |
| G 2500 P | 3090 | 106,36 | 0,72 | 86,5 | 0,74 | 93,49 | 0,79 | 1,172 | 4,28 | 59 | 211,6 |
| G 3000 P | 3531 | 127,48 | 1,18 | 104,31 | 1,22 | 110,62 | 1,04 | 1,339 | 4,89 | 60 | 240,3 |
| ECG 1000 P | 1545 | 40,57 | 0,20 | 38,45 | 1,03 | 39,24 | 0,30 | 0,381 | 2,94 | 61 | 110,2 |
| ECG 1500 P | 2060 | 59 | 0,16 | 57,22 | 1,34 | 60,94 | 0,96 | 0,508 | 3,92 | 62 | 130,1 |
| ECG 2000 P | 3090 | 91,65 | 0,45 | 82,37 | 1,14 | 86,12 | 0,51 | 0,762 | 5,88 | 63 | 202,8 |
| ECG 2500 P | 3605 | 114,75 | 0,82 | 98,41 | 0,85 | 107,07 | 0,92 | 0,889 | 6,86 | 64 | 211,6 |
| ECG 3000 P | 4120 | 137,65 | 1,35 | 118,78 | 1,41 | 126,8 | 1,22 | 1,016 | 7,84 | 65 | 240,3 |

Water heated: connection pipes P86 and P64 are 2x3/4" female (male if lateral pipes), P54 2x1" male.
P86 2 rows coil, P64 3 rows coil, P54 4 rows coil.
(*) Voltage 240-1ph~60Hz

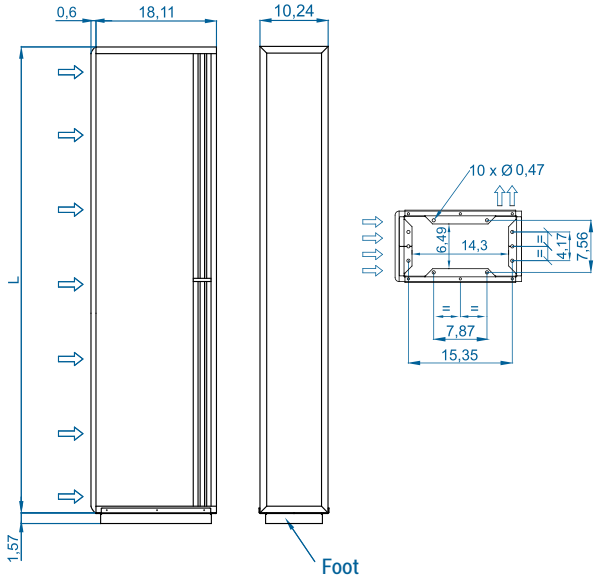
Selection program

# Dimensions

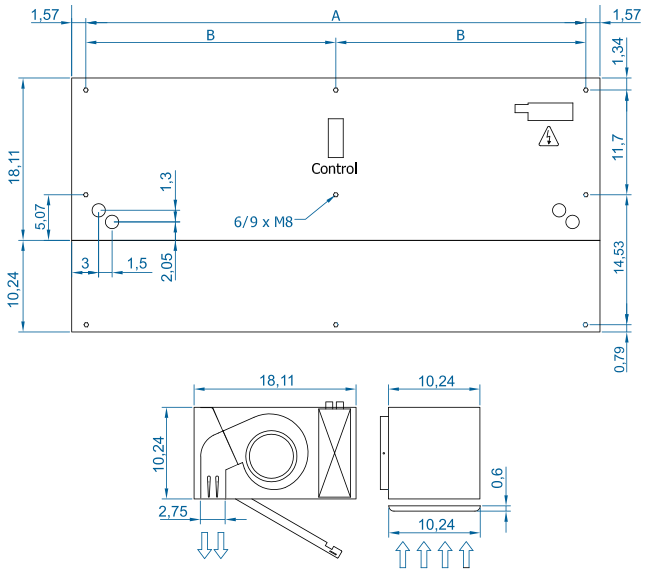
### Horizontal installation



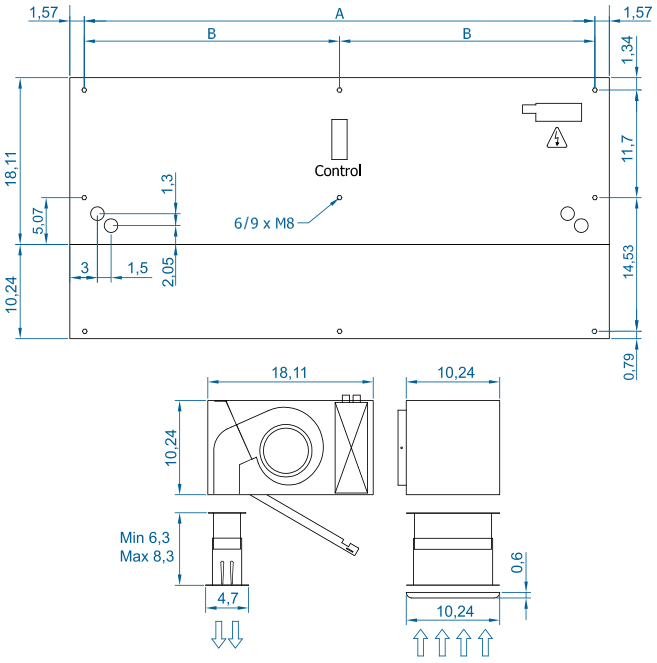

### Vertical installation




### Inside ceiling surface mounting




### False ceiling invisible mounting




| Model | L | A | B |
|---|---|---|---|
| 1000 | 39,37 | 36,22 | - |
| 1500 | 59,06 | 55,91 | 27,95 |
| 2000 | 78,74 | 75,60 | 37,80 |
| 2500 | 98,42 | 95,28 | 47,64 |
| 3000 | 118,11 | 114,96 | 57,48 |

Customizable dimensions on request.

All dimensions in inches

CAD drawings, installation manuals and other documentation

CAD

# Installation Configurations


With inlet kit


With outlet kit


With inlet and outlet kit


With plenum


With plenum and kits


With top inlet plenum


Duowind / Duowind with inlet and outlet kits


With flat inlet and outlet kits


With plenum and recessed frame accessory

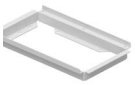
# Optional accessories

## Supports and installation


Wall rail support SPWR


Silentblock supports SPANG-SIL / SLB


Suspension cables SPCT


Foot support SPF-WINDBOX MG (Galv. / SS)


Joining kit SPJ-MG (Galv. / SS)


False Ceiling Frame Kit


Flat inlet and outlet kits


Service tray between ID and OD


Double heater

## Control


IR Control
✔ Included


Basic Control
✔ Included


RJ45 Cable
✔ Included


Hand-Auto CH-5HW-NE


Interface kit IN-NE-II

## Sensors


Magnetic door contact MAG-DC
✔ Included


Mechanical door contact MEC-DC