

Technical Features



RAL 9016
standard



Other colors
on request



Range
Up to 4,2 m



Heating types
Heat Pump
Gas R32



Casing
Galvanised Steel
Self-Supporting



Airflow / Length
1640 - 5840 m³/h
1m to 3m



Heating capacity
8 - 28 kW



Grille type
Rectangular perforated
49x3



Fans
Centrifugal
5-speed



Control
Plug&Play Advanced PRO
+ IR remote control
(Optional Clever Pro)



Outlet vanes
Aluminium, airfoil type
Adjustable

SMART air curtain combines the best technological features with high quality design and finishes. Contemporary, discreet and elegant, it is provided with smooth frontal panel as the air entrance is hidden and placed at the upper side, out of sight, thus avoiding interior vision of the air curtain and the grille. SMART is halfway between the standard and the decorative range, and it is of great value for commercial and public spaces that need to ensure an efficient and sustainable climatization, without bursting into the interior architecture and design of the premises.

In heating, it reduces consumption and CO2 emissions by up to 70%.

Sensors pre-installed in the direct expansion coil. As an option, under request, it can also work in cold mode (refrigeration), with optional condensate water pump. Efficient EC centrifugal fans with low consumption, double inlet with external rotor motor and low noise level. Internal pre-filter included.

Advanced Plug&Play control. Includes: Advanced PRO control with LCD display and integrated thermostat, door contact, 7m RJ11 cable and remote control.

Ready to connect to HITACHI Inverter outdoor heat pump unit (R32) and expansion valve not included, the customer should purchase it.

Air curtain specifications

Model	Airflow m³/h	Fans power 230V-50/60Hz kW	Fans current 230V-50/60Hz A	Outdoor unit (*) 230Vx1	Outdoor unit (*) 400Vx3	Gas-Liquid pipe connections inch	Noise level (5 m) dB(A)	Weight kg
SMART ECM 1000 DX8-HI	1640	0,142	1,24	RAS-3HVNC1	-	5/8" - 3/8"	56	35
SMART ECM 1500 DX11-HI	2460	0,213	1,86	RAS-4HVNC1E	RAS-4HNC1E	5/8" - 3/8"	57	53
SMART ECM 2000 DX16-HI	3280	0,284	2,48	RAS-6HVNC1E	RAS-6HNC1E	5/8" - 3/8"	58	69
SMART ECM 2500 DX21-HI	4100	0,355	3,10	-	RAS-8HNCE	1" 1/8 - 3/8"	59	86
SMART ECM 3000 DX26-HI	4920	0,426	3,72	-	RAS-10HNCE	1" - 1/2"	60	103
SMART ECG 1000 DX8-HI	2190	0,213	1,86	RAS-3HVNC1	-	5/8" - 3/8"	61	50
SMART ECG 1500 DX13-HI	2920	0,284	2,48	RAS-4HVNC1E	RAS-5HNC1E	5/8" - 3/8"	62	59
SMART ECG 1500 DX15-HI	2920	0,284	2,48	RAS-6HVNC1E	RAS-6HNC1E	5/8" - 3/8"	62	59
SMART ECG 2000 DX22-HI	4380	0,426	3,72	-	RAS-8HNCE	1" 1/8 - 3/8"	63	92
SMART ECG 2500 DX22-HI	5110	0,497	4,34	-	RAS-8HNCE	1" 1/8 - 3/8"	64	96
SMART ECG 2500 DX28-HI	5110	0,497	4,34	-	RAS-10HNCE	1" - 1/2"	64	96
SMART ECG 3000 DX28-HI	5840	0,568	5,96	-	RAS-10HNCE	1" - 1/2"	65	109

Outdoor unit specifications

HITACHI Utopia IVX Comfort (*) outdoor unit model	Heating capacity kW	COP or SCOP	Cooling ca- pacity kW	EER or SEER	Voltage	Gas-liquid pipes inch	Maximum pipe length m	Maximum pipe height m
RAS-3HVNC1	8	4,00	7,1	3,14	230Vx1	5/8" - 3/8"	50	30
RAS-4HVNC1E	11,2	4,57	10	3,70	230Vx1	5/8" - 3/8"	70	30
RAS-4HNC1E	11,2	4,57	10	3,70	400Vx3	5/8" - 3/8"	70	30
RAS-5HVNC1E	14	3,89	12,5	3,37	230Vx1	5/8" - 3/8"	75	30
RAS-5HNC1	14	3,89	12,5	3,37	400Vx3	5/8" - 3/8"	75	30
RAS-6HVNC1E	16	3,73	14	3,26	230Vx1	5/8" - 3/8"	75	30
RAS-6HNC1E	16	3,73	14	3,26	400Vx3	5/8" - 3/8"	75	30
RAS-8HNCE	22,4	3,81	20	3,26	400Vx3	1" 1/8 - 3/8"	100	30
RAS-10HNCE	28	3,63	25	3,02	400Vx3	1" 1/8 - 3/8"	100	30

(*) Also compatible with outdoor units Utopia ES, VRF Centrifugal, Utopia IVX Premium.

Energy efficiency: SCOP/SEER seasonal ≤12kW, COP/EER >12kW.

Outdoor unit capacities depending on standard conditions: heating 20°CDB indoor / 7°CDB and 6°CWB outdoor, cooling 27°CDB and 19°CWB indoor / 35°CDB outdoor.

When adverse weather conditions, the outdoor unit capacity can decrease. It is recommendable to oversize the units.



Technical Features



RAL 9016
standard

Other colors
on request



Range
Up to 4,2 m



Heating types
**Heat Pump
Gas R410a**



Casing
**Galvanised Steel
Self-Supporting**



Airflow / Length
**1640 - 5840 m³/h
1m to 3m**



Heating capacity
7,9 - 29 kW



Grille type
**Rectangular perforated
49x3**



Fans
**Centrifugal
5-speed**



Control
**Plug&Play Advanced PRO
+ IR remote control
(Optional Clever Pro)**



Outlet vanes
**Aluminium, airfoil type
Adjustable**

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Sensors pre-installed in the direct expansion coil. As an option, under request, it can also work in cold mode (refrigeration), with optional condensate water pump. Efficient EC centrifugal fans with low consumption, double inlet with external rotor motor and low noise level. Internal pre-filter included.

Advanced Plug&Play control. Includes: Advanced PRO control with LCD display and integrated thermostat, door contact, 7m RJ11 cable and remote control.

Ready to connect to HITACHI VRF outdoor heat pump unit (R410A) and expansion valve not included, the customer should purchase it.

Air curtain specifications

Model	Airflow m³/h	Fans Power 230V-50/60Hz kW	Fans Current 230V-50/60Hz A	Kit VRF	Gas-Liquid pipe connections inch	Noise Level (5 m) dB(A)	Weight kg
SMART ECM 1000 VRF8-HI	1640	0,142	1,24	EXV-3.0E2	5/8" - 3/8"	56	35
SMART ECM 1500 VRF12-HI	2460	0,213	1,86	EXV-4.0E2	5/8" - 3/8"	57	53
SMART ECM 2000 VRF16-HI	3280	0,284	2,48	EXV-6.0E2	5/8" - 3/8"	58	69
SMART ECM 2000 VRF19-HI	3280	0,284	2,48	EXV-8.0E2	1" 1/8 - 1/2"	58	69
SMART ECM 2500 VRF21-HI	4100	0,355	3,10	EXV-8.0E2	1" 1/8 - 1/2"	59	86
SMART ECM 2500 VRF24-HI	4100	0,355	3,10	EXV-10.0E2	1" 1/8 - 1/2"	59	86
SMART ECM 3000 VRF26-HI	4920	0,426	3,72	EXV-10.0E2	1" - 1/2"	60	103
SMART ECG 1000 VRF10-HI	2190	0,213	1,86	EXV-4.0E2	5/8" - 3/8"	61	50
SMART ECG 1500 VRF13-HI	2920	0,284	2,48	EXV-5.0E2	5/8" - 3/8"	62	59
SMART ECG 1500 VRF15-HI	2920	0,284	2,48	EXV-6.0E2	5/8" - 3/8"	62	59
SMART ECG 2000 VRF20-HI	4380	0,426	3,72	EXV-8.0E2	1" 1/8 - 1/2"	63	92
SMART ECG 2000 VRF24-HI	4380	0,426	3,72	EXV-8.0E2	1" 1/8 - 1/2"	63	92
SMART ECG 2500 VRF25-HI	5110	0,497	4,34	EXV-10.0E2	1" 1/8 - 1/2"	64	96
SMART ECG 2500 VRF29-HI	5110	0,497	4,34	EXV-10.0E2	1" - 1/2"	64	96
SMART ECG 3000 VRF29-HI	5840	0,568	5,96	EXV-10.0E2	1" - 1/2"	65	109

(*) Includes direct expansion valve.

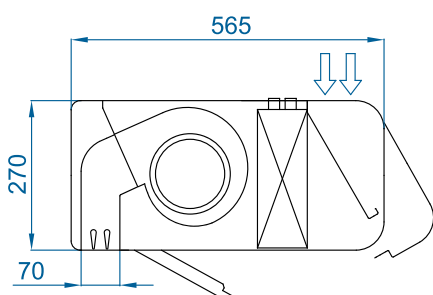
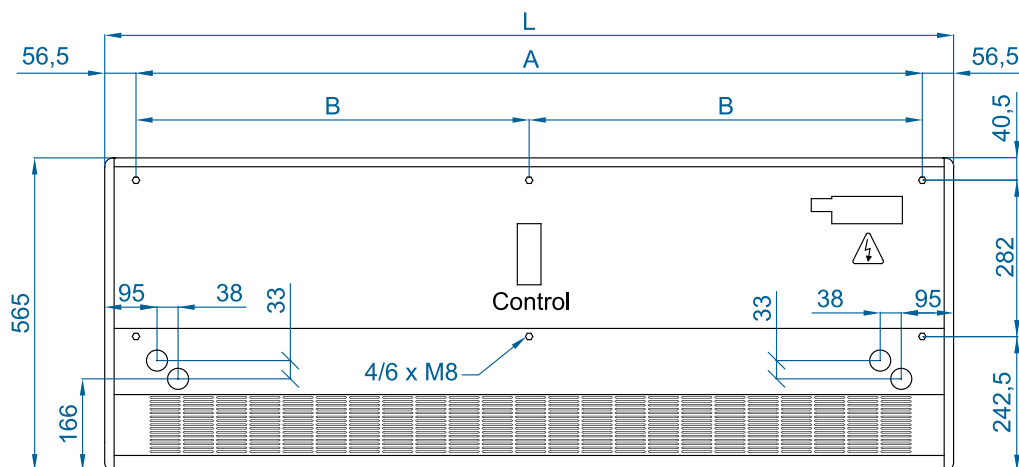
Los modelos compatVRF-compatible models are as follows:

- Utopia ES / Utopia IVX Confort
- VRF Centrifugal
- Utopia IVX Premium / Set Free Mini / Front Flow
- Set Free



Selection program

Dimensions



Model	L	A	B
1000	1034	920	-
1500	1534	1420	710
2000	2034	1920	960
2500	2534	2420	1210
3000	3034	2920	1460

CAD drawings, BIM files, installation manuals and other documents



Accessories

Supports and installation



Wall rail support
SPWR



Silentblock supports
SPANG-SIL / SLB



Gripple hanger
SPCT

Control



ADVANCED PRO
✓ Included



IR Control
✓ Included



RJ11 Cable
✓ Included



CLEVER PRO

Sensors and valves



Magnetic door contact
DC



Mechanical door contact
DC



Condensate water pump
for DX air curtains