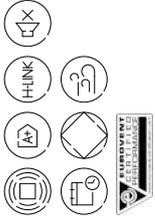


IXV ducts

Quiet and compact, perfect for homes and businesses



Built-in condensate pump

Hitachi ducts are fitted with a built-in pump to drive the condensate to a downpipe.

Compact unit

Up to 14 kW (6 HP) with a single fan; 0.35 m³ of floorspace occupied.

Built-in expansion valve in the indoor unit

Being located inside the indoor unit ensures a more efficient process and more accurate temperature control.

Smart defrost control

The machine remembers previous defrost cycles and so can use intelligent predictions on when to start the cycle to reduce the length of time heating is suspended. It also detects ice buildup and sends hot gas to the OU so as to avoid activating the defrost cycle at all.

Easy installation of up to 4 units

Allows independent climate control of up to 4 different spaces. Installation is simplified thanks to a common refrigerant circuit.

See the VRF section for combinations and connections

Greater flexibility

The installation of 3 and 4 HP units allows up to 70m of pipe run and 30m of height difference.

(Fig. 2)

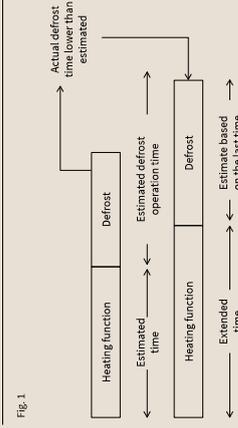


Fig. 1

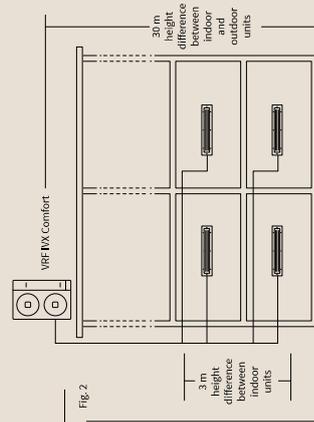


Fig. 2

Indoor units

Outdoor units

RPI2.0FSNBE
RPI2.5FSNBE
RPI3.0FSNBE

RPI4.0FSNBE
RPI5.0FSNBE
RPI6.0FSNBE

RPI4.0FSNBE
RPI5.0FSNBE
RPI10.0FSNBE

RAS-3HWNC1
RAS-4HWNCLE
RAS-5HWNCLE
RAS-6HWNCLE

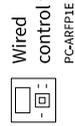
RAS-8HWNCLE
RAS-10HWNCLE

RAS-8HWNCLE
RAS-10HWNCLE

IXV ducts

System	RPI2.0IXV	RPI2.5IXV	RPI3.0IXV	RPI4.0IXV	RPI5.0IXV	RPI6.0IXV	RPI10.0IXV
Capacity	2.20-5.60-5.60 6.30	2.20-5.60-5.60 11.20	3.20-10.00-8.00 14.00	4.50-10.00-5.70-12.50 16.00	6.00-14.00-16.00 22.40	8.00-20.00-22.40 28.00	10.00-25.00-28.00
Heating (Min/Nom/Max)	2.20-5.60-5.60 8.00	2.20-5.60-5.60 14.00	3.50-10.00-10.00 20.00	5.00-14.00-14.00 20.00	6.30-22.40-20.00 28.00	8.00-28.00-28.00	10.00-35.00-35.00
Cooling (nom)	1.41	1.60	2.53	3.10	3.93	4.55	5.95
Heating (nom)	1.50	1.65	2.26	2.78	3.95	4.40	5.88
Electrical power	1-230V/50Hz 1-230V/50Hz	1-230V/50Hz 1-230V/50Hz	1-230V/50Hz 1-230V/50Hz	1-230V/50Hz 1-230V/50Hz	1-230V/50Hz 1-230V/50Hz	1-230V/50Hz 1-230V/50Hz	1-230V/50Hz 1-230V/50Hz
Indoor/outdoor wiring section (shielded)	2x0.75	2x0.75	2x0.75	2x0.75	2x0.75	2x0.75	2x0.75
EER	3.54	3.49	2.81	3.23	3.18	3.08	3.36
COP	3.73	3.81	3.54	4.03	3.54	3.64	3.81
SEER	5.60	5.51	4.97	5.27	5.88	5.67	-
SCOP	4.01	4.33	3.80	4.01	3.91	3.95	-
Energy rating (medium zones)	A+/A-	A+/A-	B/A	A/A+	A/B	B/C	-
Outside operating temperatures	-5 to 46 -20 to 15	-5 to 46 -20 to 15	-5 to 46 -20 to 15	-5 to 46 -20 to 15			
Heating (WB)	-20 to 15	-20 to 15	-20 to 15	-20 to 15	-20 to 15	-20 to 15	-20 to 15
Liquid-gas	1/4-1/2	1/4-1/2	3/8-5/8	3/8-5/8	3/8-5/8	3/8-5/8	3/8-3/4
Pipe diameter	inches	inches	inches	inches	inches	inches	inches
Air flow (Low - Medium - High)	600-750-960 1.140	780-960-1140 1.140	960-1140-1320 1.800	1.500-1.680-1.800 2.100	1.740-1.920-2.100 2.100	1.800-1.980-2.160 2.160	3.570-3.960-4.050 3.960
Available pressure (range)	30 (0-120)	30 (0-120)	45 (0-120)	50 (0-140)	50 (0-140)	180 (140-220)	180 (140-220)
Sound pressure (Low - Medium - High)	21-29-29	28-30-30	29-31-31	32-35-37	33-35-38	33-36-39	51-54-54
Sound power (high)	55	56	57	62	65	66	77
Dimensions (H x W x D)	275x1.084x600	275x1.084x600	275x1.084x600	275x1.174x600	275x1.174x600	423x1.192x600	423x1.192x600
Weight	35.0	36.0	36.0	48.0	48.0	48.0	85.0
Condensate pipe diameter (out)	mm	32	32	32	32	32	25
Condensate pump	Included	Included	Included	Included	Included	Included	Not included
Maximum condensate height	mm	850	850	850	850	850	-
Outdoor unit	RAS-2HWNP1	RAS-2.5HWNP1	RAS-3HWNP1	RAS-4HWNP1	RAS-5HWNP1	RAS-6HWNP1	RAS-10HWNP1
Air flow	2.436	2.436	2.682	3.720	4.080	4.800	7.620
Sound pressure	44	45	48	52	52	55	57
Heating	46	47	50	54	54	57	60
Sound power	62	63	66	68	69	71	76
N° fans	1	1	1	1	1	1	2
Maximum current	A	13.8	15.8	17.8	15.5	15.0	15.5
Single-phase	A	-	-	-	-	-	-
Three-phase	A	-	-	-	-	-	-
Maximum pipe length	m	30/20	30/20	30/20	30/20	30/20	30/20
Maximum height difference (highest OU/lowest OU)	m	30/20	30/20	30/20	30/20	30/20	30/20
Compressor	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter	Scroll DC Inverter
Refrigerant	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Refrigerant charge (length without additional charge)	kg (m)	1.6 (30)	1.6 (30)	1.9 (20)	3.2 (30)	3.2 (30)	5.7 (80)
Additional refrigerant charge	g/m	30	30	40	40	60	must be calculated
Dimensions (H x W x D)	mm	600x792x300	600x792x300	600x792x300	1.140x950x370	1.140x950x370	1.380x950x370
Weight	kg	43.0	43.0	44.0	79.0	89.0	136.0

Compatible controls and accessories:



Optional functions connector (5 units) FCC-1A

Others:
- SOR-MSK presence sensor kit.
Compatible with RPI-(0-4-3-0)FSNBE