

Ducted unit



GENTLE COOL air off temperature setting for ultimate comfort

The GENTLE COOL air off temperature setting, accessible on the wired remote control PC-ARFP1E, adjusts the min. air off temperature. There is minimal risk of condensation forming, which improves the air quality. It also stops any summer drafts.

Flexible installation

Our new ducted units offer greater flexibility when it comes to installation. The electrical box can be moved. The 100Pa model has rear pipework connections so it can easily fit into small spaces, and the pump can be disconnected onsite.

Easy maintenance

Up to 850 mm lift for condensate. Filter is accessible from below or the side (0.4 to 6 hp).

Compatible with Airzone solution

Thanks to its partnership with Airzone, Hitachi is able to offer you precision step-by-step temperature control.

30% fresh air supply

All Hitachi ducted units can work on 30% fresh air to provide the best quality and cleanest air.

Available in sizes 45 and 56 kW

The most extensive range on the market, from 1.1kW to 56 kW.



Slim ducted unit 100 Pa 1.1 to 4 kW

- Integrated and removable condensate pump.
- Filter accessible from below or from the right side.
- Low-height: 197 mm.
- Pipe connections from the rear.
- Electric box (can be moved)
- Air return from the rear or from below (optional).

Ducted unit 150 Pa 4 to 16 kW

- Condensate pump included.
- Air return from the rear or below (optional).
- Optional motion sensor.
- Height: 240 mm.
- Electric box (can be moved, sizes 1.5 and 2 hp).
- Filter accessible from below or from the left or right side.

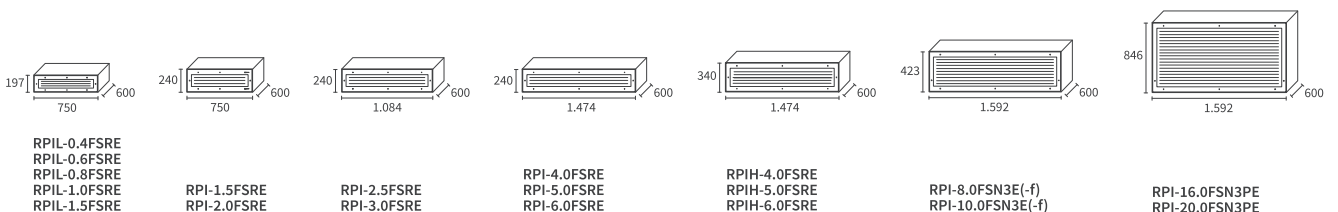
Ducted unit 200 Pa 11 to 16 kW

- Condensate lift pump included.
- Air return from the rear.
- Filter accessible from below or from the left or right side.

High-Pressure High-Capacity ducted unit 22 to 56 kW

- Up to 220 Pa available static pressure.
- Sizes 8, 10, 16 and 20 hp.

Indoor units



Slim ducted unit, height 197mm (up to 100 Pa available pressure)

Indoor units	Unit	RPIL-0.4FSRE	RPIL-0.6FSRE	RPIL-0.8FSRE	RPIL-1.0FSRE	RPIL-1.5FSRE
Power (adjustable)	Hp	0.40	0.60	0.80	1.00	1.30 – 1.50
Nominal Cooling capacity UTOPIA Prime & IVX	kW	not available	not available	2.00	2.50	3.60
Nominal Heating capacity UTOPIA Prime & IVX	kW	not available	not available	2.20	2.80	4.00
Nominal Cooling capacity SET FREE	kW	1.10	1.70	2.20	2.80	3.80 – 4.00
Nominal Heating capacity SET FREE	kW	1.30	1.90	2.50	3.20	4.20 – 4.80
Sound pressure in Cooling mode (L / M / H) ⁽¹⁾⁽³⁾	dB(A)	22 / 23 / 24	23 / 25 / 27	23 / 25 / 28		25 / 28 / 30
Sound power	dB(A)	48	51	52		53
Airflow in Cooling mode (L / M / H) (SP02) ⁽⁴⁾	m ³ /h	300 / 330 / 360	330 / 390 / 438	342 / 390 / 462		390 / 474 / 528
Rated static pressure (min-max)	Pa	15 (0-100)			25 (0-100)	
Condensate pump	-	yes (can be removed to use a gravity drain kit)				
Max. elevation	mm	850				
Diameter of pipes (Liq / Gas)	inches	1/4 - 1/2				
Condensate outlet diameter (ext)	mm	32				
Dimensions (H x L x D)	mm	197 x 750 x 600				
Weight	kg	23				
Power supply	-	1~ 230V 50Hz				
Cable width (EN 60 335-1) ⁽²⁾	mm ²	3 x 0.75				
Recommended fuse size	A	5				

Compact ducted unit (up to 150 Pa available pressure)

Indoor units	Unit	RPI-1.5FSRE	RPI-2.0FSRE	RPI-2.5FSRE	RPI-3.0FSRE	RPI-4.0FSRE	RPI-5.0FSRE	RPI-6.0FSRE
Power (adjustable)	Hp	1.30 – 1.50	1.80 – 2.00	2.30 – 2.50	3.00	4.00	5.00	6.00
Nominal Cooling capacity UTOPIA Prime & IVX	kW	3.60	5.00	5.60	7.10	10.00	12.50	14.00
Nominal Heating capacity UTOPIA Prime & IVX	kW	4.00	5.60	6.30	8.00	11.20	14.00	16.00
Nominal Cooling capacity SET FREE	kW	3.80 – 4.00	5.20 – 5.60	6.70 – 7.10	8.00	11.20	14.00	16.00
Nominal Heating capacity SET FREE	kW	4.20 – 4.80	5.60 – 6.30	7.50 – 8.50	9.00	12.50	16.00	18.00
Sound pressure in Cooling mode (L / M / H) ⁽¹⁾⁽³⁾	dB(A)	29 / 30 / 32	29 / 30 / 32	30 / 32 / 34	31 / 33 / 35	35 / 38 / 39	36 / 38 / 40	36 / 38 / 40
Sound power	dB(A)	55	58	57	59	62	64	64
Airflow in Cooling mode (L / M / H) (SP02) ⁽⁴⁾	m ³ /h	600 / 690 / 840	630 / 720 / 840	900 / 1020 / 1200	960 / 1140 / 1290	1680 / 2070 / 2160	1920 / 2100 / 2220	1950 / 2130 / 2250
Rated static pressure (min-max)	Pa	25 (0-150)			37 (0-150)		50 (0-150)	
Condensate pump	-	yes						
Max. elevation	mm	850						
Diameter of pipes (Liq / Gas)	inches	1/4 - 5/8			3/8 - 5/8			
Condensate outlet diameter (ext)	mm	32						
Dimensions (H x L x D)	mm	240 x 750 x 600		240 x 1084 x 600		240 x 1474 x 600		
Weight	kg	26		32		42		
Power supply	-	1~ 230V 50Hz						
Cable width (EN 60 335-1) ⁽²⁾	mm ²	3 x 0.75						
Recommended fuse size	A	5						

High-Pressure ducted unit (up to 200 Pa available pressure)

Indoor units	Unit	RPIH-4.0FSRE	RPIH-5.0FSRE	RPIH-6.0FSRE
Power (adjustable)	Hp	4.00	5.00	6.00
Nominal Cooling capacity UTOPIA Prime & IVX	kW	10.00	12.50	14.00
Nominal Heating capacity UTOPIA Prime & IVX	kW	11.20	14.00	16.00
Nominal Cooling capacity SET FREE	kW	11.20	14.00	16.00
Nominal Heating capacity SET FREE	kW	12.50	16.00	18.00
Sound pressure in Cooling mode (L / M / H) ⁽¹⁾⁽³⁾	dB(A)	35 / 38 / 39	36 / 38 / 40	36 / 38 / 40
Sound power	dB(A)	62	64	64
Airflow in Cooling mode (L / M / H) (SP00) ⁽⁴⁾	m ³ /h	1740 / 1890 / 2100	2160 / 2040 / 2160	1920 / 2040 / 2160
Rated static pressure (min-max)	Pa	155 (0-200)		
Condensate pump	-	yes		
Max. elevation	mm	850		
Diameter of pipes (Liq / Gas)	inches	3/8 - 5/8		
Condensate outlet diameter (ext)	mm	32		
Dimensions (H x L x D)	mm	340 x 1474 x 600		
Weight	kg	44		
Power supply	-	1~ 230V 50Hz		
Cable width (EN 60 335-1) ⁽²⁾	mm ²	3 x 0.75		
Recommended fuse size	A	5		

⁽¹⁾ Sound levels (pressure) are measured in an anechoic chamber at 1.50 m under the unit (without a ceiling under the unit), with an extraction duct at 1 m and discharge duct at 2 m.

⁽²⁾ Data shown is for indication purposes only. It is the installer's responsibility to ensure that these cable widths meet the needs of the facility.

⁽³⁾ Ultra high-speed access is possible with remote controls PC-ARFP1E (or PC-ARFG-E available second half of 2021) and PC-ARH1E.

⁽⁴⁾ SP: external static pressure (defined with the optional function "CS" on the remote control: 00: standard, 01: external static high-pressure, 02: external static low-pressure).

High-Capacity ducted unit (up to 220 Pa available pressure) (sizes 16 and 20 hp: unique on the market)

Indoor units	Unit	High-pressure		High-power	
		RPI-8.0FSN3E	RPI-10.0FSN3E	RPI-16.0FSN3PE	RPI-20.0FSN3PE
Power (adjustable)	Hp	8.00	10.00	16.00	20.00
Nominal Cooling capacity Micro VRF IVX COMFORT	kW	20.00	25.00	40.00	50.00
Nominal Heating capacity Micro VRF IVX COMFORT	kW	22.40	28.00	44.80	56.00
Nominal Cooling capacity SET FREE	kW	22.40	28.00	45.00	56.00
Nominal Heating capacity SET FREE	kW	25.00	31.00	50.00	63.00
Sound pressure in Cooling mode (L / M / H) ⁽¹⁾⁽³⁾	dB(A)	51 / 54 / 54	52 / 55 / 55	53 / - / 56	54 / - / 57
Sound power	dB(A)	77	78	79	80
Airflow in Cooling mode (L/M/H)	m ³ /h	3570 / 3960 / 3960	4056 / 4500 / 4500	7200 / - / 7920	8220 / - / 9000
Rated static pressure (min-max)	Pa	200 (180 - 220)		180 (220)	
Dehumidification	l/h	7.70	8.80	15.00	17.00
Condensate pump	-	no			
Diameter of pipes (Liq / Gas)	inches	3/8 - 3/4	3/8 - 7/8	2 x 3/8 - 3/4 (requires a E-162SN4)	2 x 3/8 - 7/8 (requires a E-242SN3)
Condensate outlet diameter (ext)	mm	25		2 x 25	
Dimensions (H x L x D)	mm	423 x 1592 x 600		846 x 1592 x 600	
Weight	kg	85	87	171	175
Power supply	-	1~ 230V 50Hz			
Cable width (EN 60 335-1) ⁽²⁾	mm ²	3 x 2.50		2 x (3 x 2.50)	
Recommended fuse size	A	10		25	

(1) Sound pressure is measured under the following conditions: at 1.50 m below the unit (no ceiling under the unit), with an extraction duct at 1 m and a discharge duct at 2 m.

(2) Data shown is for indication purposes only. It is the installer's responsibility to ensure that these cable widths meet the needs of the facility and current standards.

(3) High-speed access is possible with remote controls PC-ARFP1E and PC-ARH1E.

Plenums (stand-alone)



Type of Plenum	Number of outputs / diameter (mm)	Part number	Compatibility
Supply and return air	2 / Ø 200	PL-RPIL-FSRE	RPIL-0.4~1.5FSRE
Supply and return air	3 / Ø 200	PL-RPI1.5/2FSRE	RPI-1.5~2.0FSRE
Supply and return air	5 / 3 / Ø 200	PL-RPI2.5/3FSRE	RPI-2.5~3.0FSRE
Supply and return air	5 / 4 / Ø 200	PL-RPI4-6FSRE	RPI-4.0~6.0FSRE

You can have multiple contacts with the connector PCC-1A: progress report, error report, thermostat control, remote "Start/Stop".

Controls and compatible accessories (see the tab VRF TWIN Controls)



Simple wired controller
PC-ARH1E



Infrared controller
PC-AWR



Hard wired controller
PC-ARFP1E
(PC-ARFG-E available in 2022)



Motion sensor
All sizes of ducted units
SOR-MSK



Remote sensor
THM-R2AE



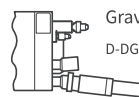
Infrared receiver
PC-ALHZ1 (external)



Multi-tenant card
PC-AMTB



Connectors
PCC-1A



Gravitational condensation unit connection kit
D-DGK15R

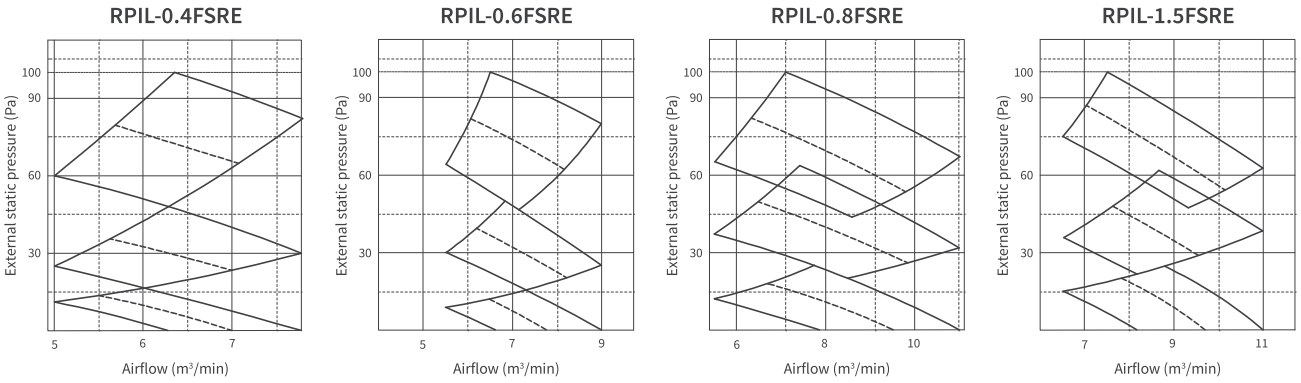


Kit air return from below
D-ICA15R → RPIL (100 Pa)
D-ICA20R → RPI 1.5 to 2.0 hp (150 Pa)
D-ICA30R → RPI 2.5 to 3.0 hp (150 Pa)
D-ICA60R → RPI 4.0 to 6.0 hp (150 Pa)

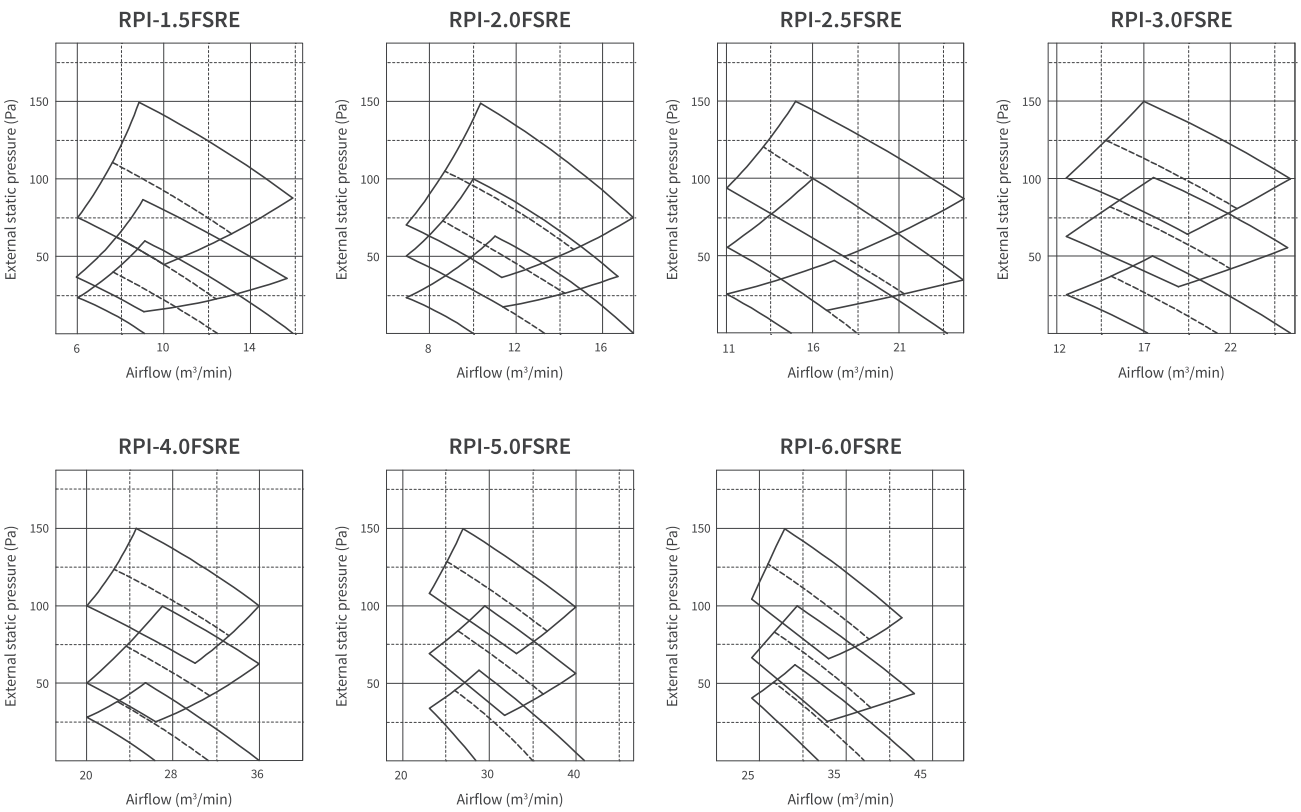
Static pressure curve

Ducted unit

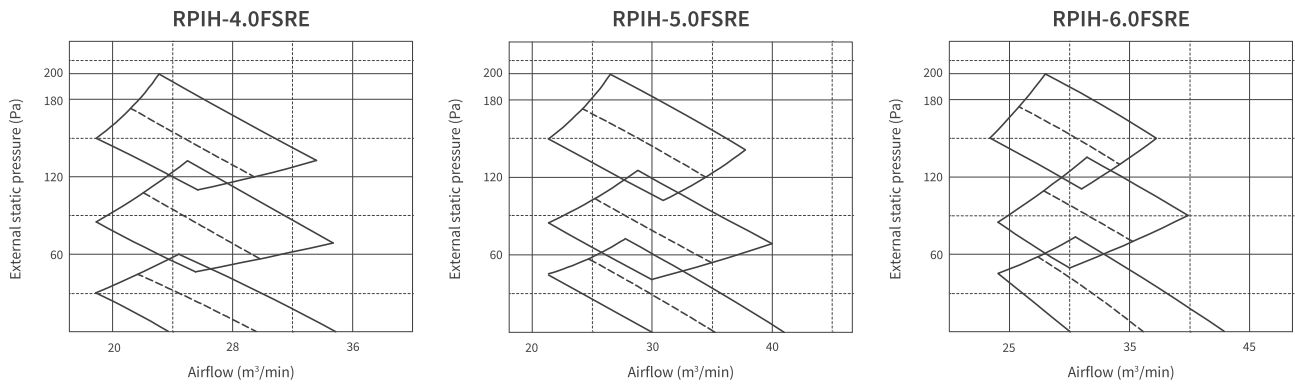
Ducted unit 100 Pa (RPIL-0.4~1.5FSRE)



Ducted unit 150 Pa (RPI-1.5~6FSRE)



Ducted unit 200 Pa (RPIH-4~6FSRE)



High-Capacity ducted unit

