

New Products Information

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China		India		NA	
ASEAN and Others		ME		LA	
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ADVANCED PRODUCT NEWS

SUBJECT

Launching of new ducted indoor units series RPI(L/H)-FSRE (from 0.4HP to 6.0HP)

DATE: Mar'21

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Summary

- 1 This Technical Bulletin informs about the launching of the new ducted indoor units series RPI(L/H)-FSRE (from 0.4HP to 6.0HP).
- 2 The details are indicated in the description.

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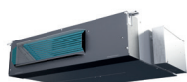
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Description

1. New models

DUCTED INDOOR UNIT (R32 / R410A)



RPIL-FSRE



RPI-FSRE



RPIH-FSRE

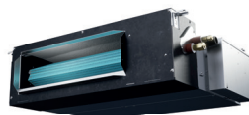
Unit	Code	Power Supply	Sales date
RPIL-0.4FSRE	7E426048	1~ 230V 50Hz	April 2021(*)
RPIL-0.6FSRE	7E426037		
RPIL-0.8FSRE	7E426013		
RPIL-1.0FSRE	7E426014		
RPIL-1.5FSRE	7E426002		
RPI-1.5FSRE	7E426015		
RPI-2.0FSRE	7E426016		
RPI-2.5FSRE	7E426017		
RPI-3.0FSRE	7E426018		
RPI-4.0FSRE	7E426020		
RPI-5.0FSRE	7E426021		
RPI-6.0FSRE	7E426022		
RPIH-4.0FSRE	7E426007		
RPIH-5.0FSRE	7E426008		
RPIH-6.0FSRE	7E426009		



NOTE

(*) After consuming stocks of discontinued models.

DUCTED INDOOR UNIT for ECONOFRESH ASSEMBLY (R410A)



RPI-(4.0-6.0)FSN6E-EF(*)

Unit	Code	Power Supply	Sales date
RPI-4.0FSN6E-EF	7E426027	1~ 230V 50Hz	June 2021(**)
RPI-5.0FSN6E-EF	7E426028		
RPI-6.0FSN6E-EF	7E426029		



NOTE

(*) Combinable with existing Econofresh units

(**) After consuming stocks of discontinued models.

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◆ List of accessories

Description	Model Name	Model Code	Applicability
 Inlet Change Accessory Kit	D-ICA15R	7E590912	RPIL-(0.4-1.5)FSRE
	D-ICA20R	7E590913	RPI-(1.5-2.0)FSRE
	D-ICA30R	7E590914	RPI-(2.5-3.0)FSRE
	D-ICA60R	7E590915	RPI-(4.0-6.0)FSRE
 Drain Gravity Kit	D-DGK15R	7E590916	RPIL-(0.4-1.5)FSRE
Motion Sensor Kit	SOR-MSK	70590912	RPI(L/H)-FSRE

2. Discontinued models

DUCTED INDOOR UNIT			
Unit	Code	Power Supply	End of sales
RPIM-0.6FSN4E	7E430037	1~ 230V 50Hz	April 2021 (*)
RPIM-0.8FSN4E	7E430013		
RPIM-1.0FSN4E	7E430014		
RPIM-1.5FSN4E	7E430015		
RPIM-0.6FSN4E-DU	7E431037		
RPIM-0.8FSN4E-DU	7E431013		
RPIM-1.0FSN4E-DU	7E431014		
RPIM-1.5FSN4E-DU	7E431015		
RPI-0.4FSN5E	7E422048	1~ 230V 50Hz	April 2021 (*)
RPI-0.6FSN5E	7E422037		
RPI-0.8FSN5E	7E422013		
RPI-1.0FSN5E	7E422014		
RPI-1.5FSN5E	7E422015		
RPI-2.0FSN5E	7E422016		
RPI-2.5FSN5E	7E422017		
RPI-3.0FSN5E	7E422018		
RPI-4.0FSN5E	7E422020		June 2021 (*)
RPI-5.0FSN5E	7E422021		
RPI-6.0FSN5E	7E422022		



NOTE

(*) Until end of stocks

◆ List of accessories

Description	Model Name	Model Code
Inlet Change Accessory Kit	D-ICA04	7E590908
	D-ICA15	7E590909

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3. New Features

3.1 Extended line-up

The new RPI line-up covers a wide range from 0.4 HP to 6.0 HP. New achievable static pressures in all models improve and simplify the offer to satisfy every requirement from the market.

• Before

Model	Capacity (HP)											Pa	Height	Widht
	0.4	0.6	0.8	1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0			
RPIM-FSN4E(-DU)		●	●	●	●							30	275	702
RPI-FSN5E	●											30	197	700
		●	●	●	●							50	197	1084
						●	●	●				125	275	1084
									●(*)	●(*)	●(*)	140	275	1474

(*) Econofresh compatible.

• After

Model	Static Pressure Type	Capacity (HP)											Pa	Height	Widht
		0.4	0.6	0.8	1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0			
RPIL-FSRE	Low	●	●	●	●	●							100	197	750
RPI-FSRE	Standard					●	●						150	240	750
								●	●				150	240	1084
										●	●	●	150	240	1474
RPIH-FSRE	High									●	●	●	200	340	1474
RPI-FSN6E-EF	Standard									●(*)	●(*)	●(*)	150	240	1474

(*) Econofresh compatible, only available for R410A refrigerant.

3.2 Innovations and main changes

The RPI ducted units have been redesigned, with the most outstanding improvements being:

- Increased static pressure in all models
 - New fan assembly
- New plates
 - For downsizing in the RPI(L)-FSRE models (100 and 150Pa)
 - New heat exchanger
 - Front outlet of the refrigerant piping in the RPIL-FSRE (100Pa)
 - New servicing access to the filter
 - Availability to changing the air inlet from the back side to the bottom side with an additional accessory.
- Removable e-box for a more adaptative installation
- New and disconnectable drain pump for RPIL
- New isolation
- Insulation sleeves for drain piping and piping connections supplied on factory

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3.2.1 Static pressure

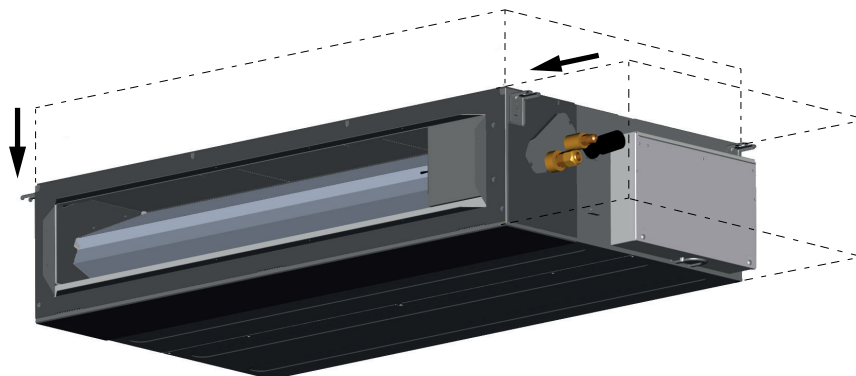
New specification for every range means new implementations in terms of fan motor and fan casing design.

- 100 Pa: Its fan motor power has been increased to 150 W (as a reference, RPI FSN5E Low Profile mounted a 60W fan motor) in order to achieve the new static pressure of 100 Pa. The fan casing remains the same as Low Profile FSN5E
- 150 Pa: The new height of the unit has forced us to design a new fan casing that could fit on 240 mm instead of the 275 mm from FSN5E. This has lead us to modify the height of the fan casing but we wanted to maintain the same runner performance maintaining the same Ø180 mm runner. Also, taking account this countermeasure, we have increased all of our 150 Pa fan motor power to 250 W.
- 200 Pa: The amount of space this unit has got permits to conserve the current FSN5E fan casing and runner designed but now is powered by a new 250 W fan motor with extra refrigeration that allows the fan to improve its performance.

3.2.2 New plates for downsizing

The new plates makes it possible to reduce the compact size of the new machines, facilitating their installation.

- 35mm height reduction vs FSN5E in the RPI-FSRE models (150Pa)
- 334mm width reduction vs FSN5E in the most RPI(L)-FSRE models (100 and 150Pa)



◆ RPIL (Low static pressure, up to 100 Pa)

From 0.4 to 1.5 HP, RPIL is the best solution for narrow spaces. Taking as a reference the previous FSN5E low profile cabinet and RPIM, we have mixed both designs to obtain a reduced ducted unit maintaining the same capacity with the advantage of getting the refrigerant installation and all the piping connections in the rear side of the unit. This allows us to fit the units in the narrowest spaces as for example the hall of hotel rooms. Furthermore, the drain pump is disconnectable for a gravity drainage installation.

◆ RPI (Medium static pressure, up to 150 Pa)

Our successful FSN5E series is upgraded with a new V-shape Ø5mm HEX: more exchange surface in less unit volume. This lower dimensions opens the RPI market to new narrow spaces making the RPI a flexible and easy installable unit.

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◆ RPIH (High static pressure, up to 200 Pa)

Increasing the unit height and redefining the heat exchanger (reducing its depth in order to gain static pressure), RPIH is the perfect unit for long range installations.

3.2.3 New heat exchanger

◆ RPIL (Low static pressure, up to 100 Pa)

Heat exchanger has evolved to a new reduced tube diameter of 5 mm. This new tube dimensions makes possible to have the same capacity with reduced dimensions compared with previous 7 mm diameter RPI. The tube change is directly related to the fin change, this new fin is currently applied in RCIM and RCI with really good heat exchange.

◆ RPI (Medium static pressure, up to 150 Pa)

As well as 100 Pa version, the HEX pipes has been reduced to 5 mm diameter. In order to decrease the height of the unit and to necessarily maintain the capacity and performance for each model, the HEX shape has been transformed from straight to V-Shape.

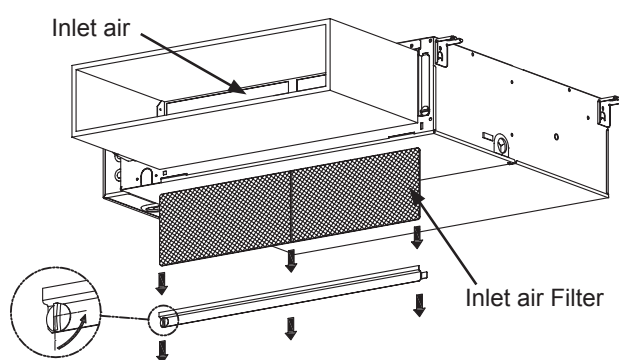
◆ RPIH (High static pressure, up to 200 Pa)

The heat exchanger has been increased in terms of height maintaining the width of the 4-6HP FSN5E units. With this change, the depth of the heat exchanger has been reduced by one row permitting the air to pass through the fins and tubes with less pressure loss. This is one of the main features of this unit that allows us to achieve more static pressure.

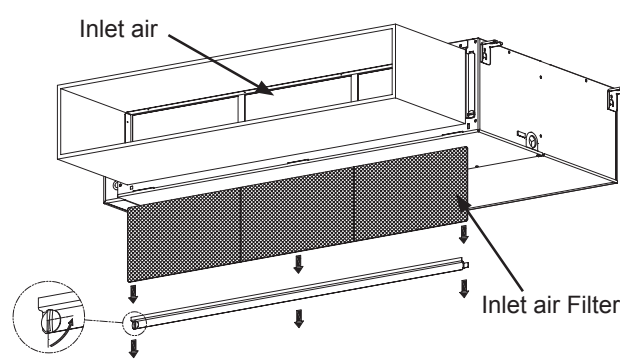
3.2.4 New servicing access to the filter

The guidance system of the inlet air filter has been improved, for an easier assembling and servicing, while keeping the current servicing for maintenance from the bottom side and also, be able to do maintenance laterally. This allows the maintenance of the inlet air filter without disconnecting the units from the duct.

◆ Lower extraction



RPIL-FSRE



RPI(H)-FSRE

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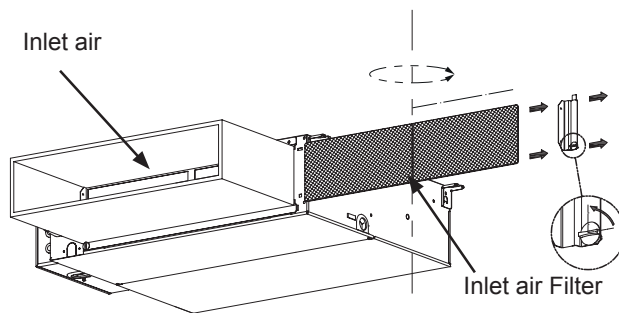
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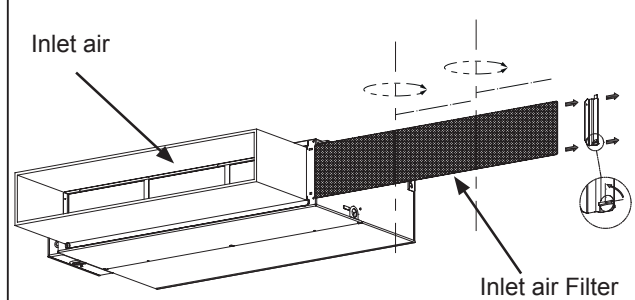
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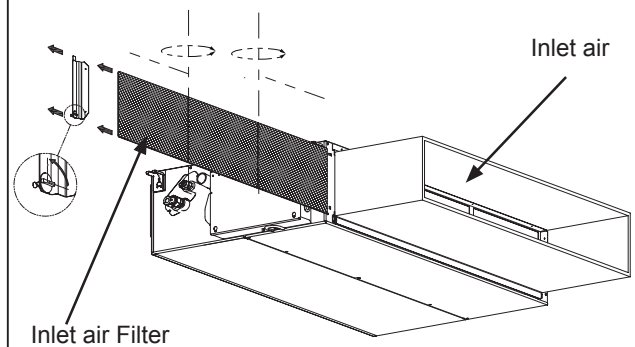
◆ Lateral extraction



RPI(L)-FSRE



RPI(H)-FSRE Right side



RPI(H)-FSRE Left side

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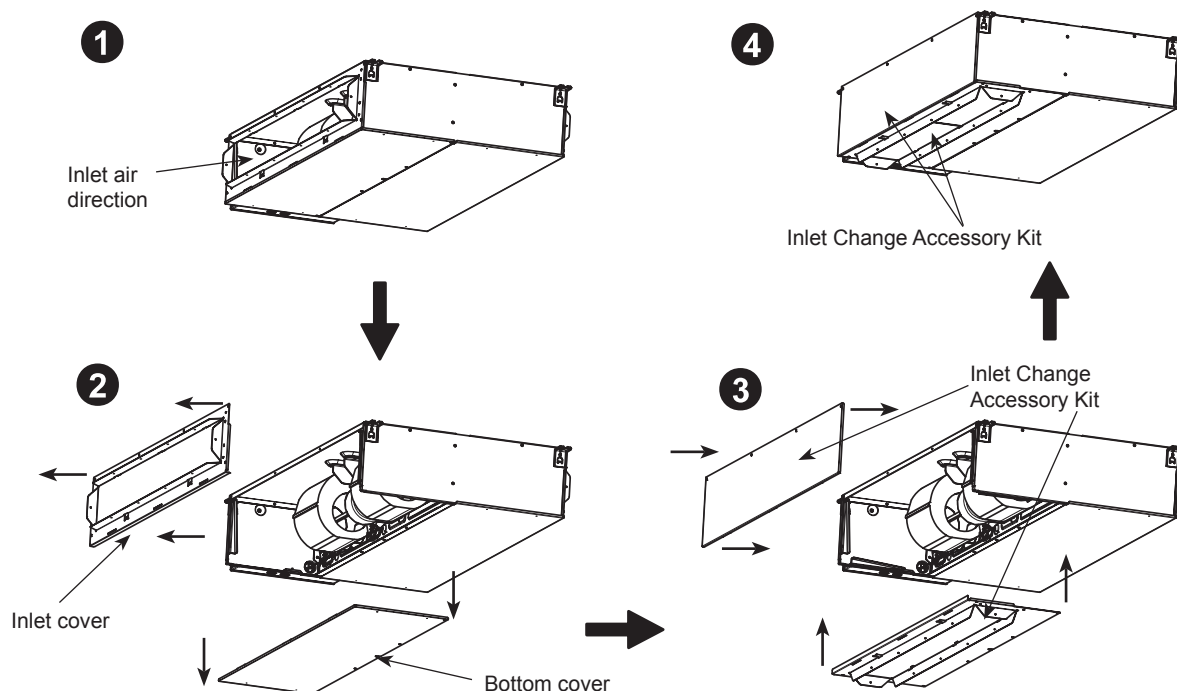
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3.2.5 For change the air inlet from the back side to the bottom side

It is possible to change the factory-default air inlet position from back side to the bottom side in the entire RPI(L)-FSRE range.

This change of air inlet from the back side to the bottom side can be achieved by adding an optional accessory kit (*) specifically designed for this purpose and unit ranges.



i NOTE

Inlet Change Accessory Kit codes:

Model Name	Model Code	Applicability
D-ICA15R	7E590912	RPIL-(0.4-1.5)FSRE
D-ICA20R	7E590913	RPI-(1.5-2.0)FSRE
D-ICA30R	7E590914	RPI-(2.5-3.0)FSRE
D-ICA60R	7E590915	RPI-(4.0-6.0)FSRE

3.2.6 Removable e-box

The design of the new electrical box allows it to be separated from the RPIL-(0.4-1.5)FSRE and RPI-(1.5-2.0)FSRE for independent installation. The electrical box is located on the left side, but it can be moved to the right side and even fixed directly to the wall. In this way, it is easier to take advantage of the spaces available for mounting the system and facilitate maintenance and possible operations.

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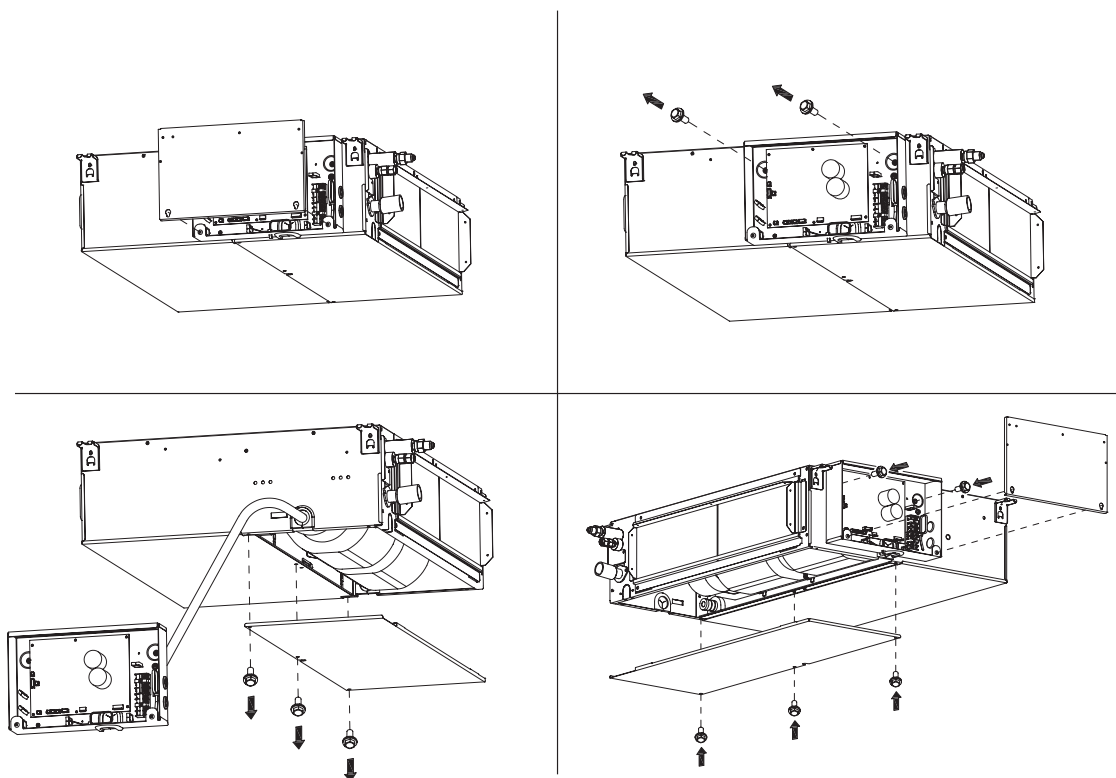
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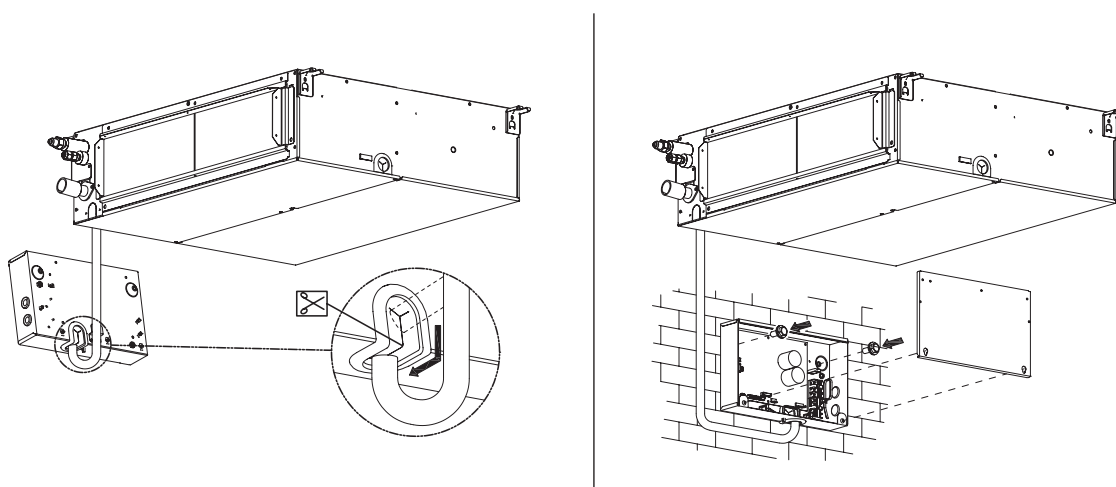
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◆ From left side to right side



◆ Wall fixing



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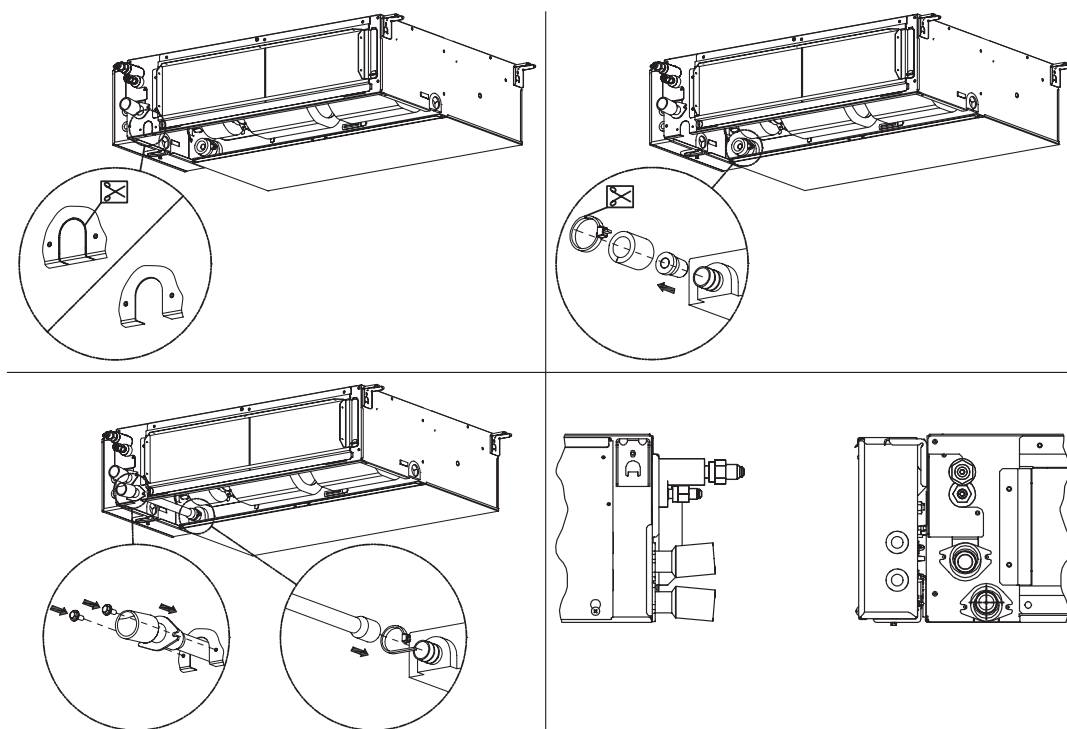
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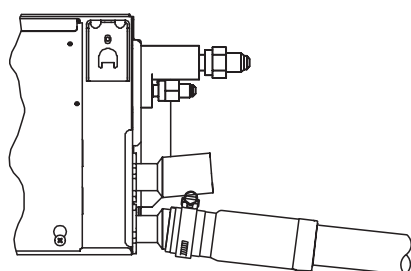
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3.2.7 Disconnectable drain pump (only RPIL)

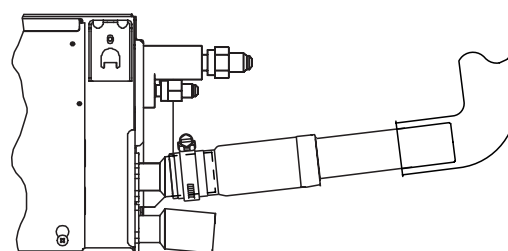
On RPIL models, it is optionally possible to change the drainage system by disabling the drainage pump and installing a gravity drainage kit.



Example of both possible drainage connections: with Drain Pump option and Gravity drain kit:



Gravity drain connection



Drain pump connection

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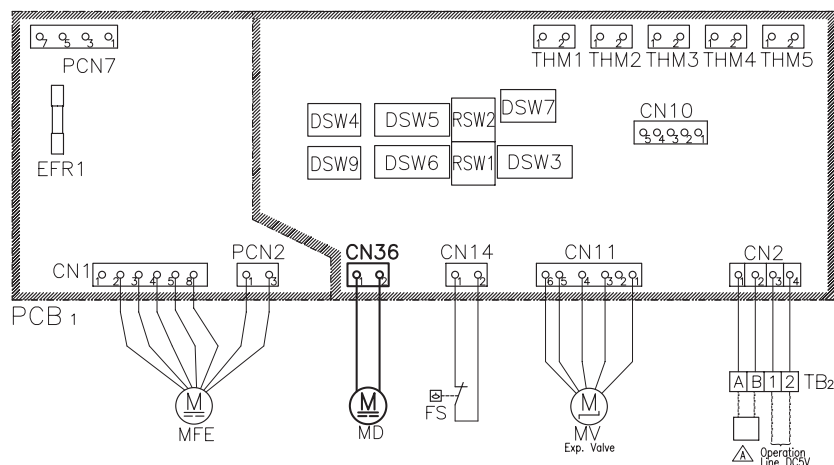
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After installation of the gravity kit is necessary to disconnect CN36 connector from PCB to disable the drainage pump.



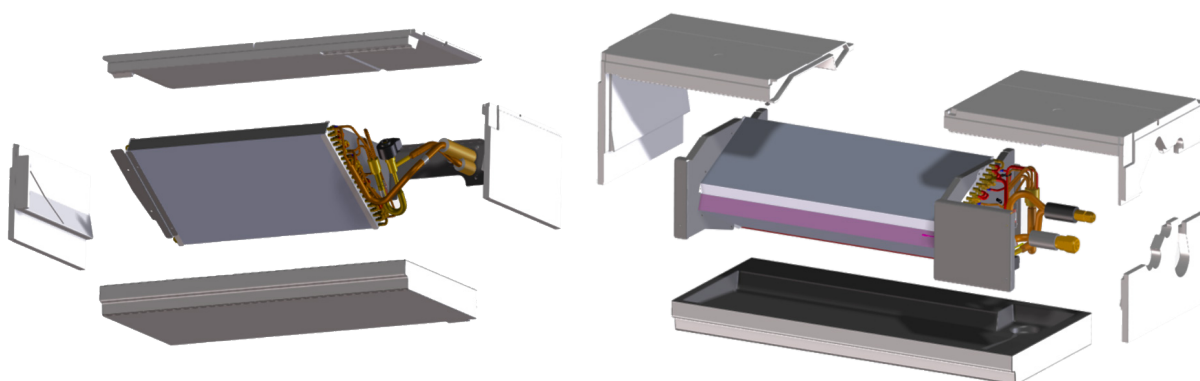
3.2.8 New isolation

New, previously uninsulated parts of the machine have been insulated with non-flammable material, covering a larger area. The thickness of the insulation has been increased for better overall insulation, reducing internal condensation and the level of noise emitted.

The new non-flammable insulating material is certificated with a grade of Flammability Class "M1" (based on French standard NF P 92-507: 2004) or equivalent "B s3 d1" (based on European standard EN 13501-1+1: 2009).

i NOTE

In case of French market, Article CH36 of the Fire Regulation in Public Buildings (ERP) makes mandatory this level of Flammability grade.



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4. Working range

4.1 Power supply

Operating voltage

Between 90 and 110% of the nominal voltage.

Start-up voltage

Over 85% of the nominal voltage.

4.2 Temperature range

The following table indicates the temperature range.

Mode		Cooling	Heating
Indoor temperature	Min.	21°C DB / 15°C WB	15°C DB
	Max.	32°C DB / 23°C WB	27°C DB
Outdoor temperature	Min.	-5°C DB ^(*)	-10°C WB ^(*)
	Max.	46°C DB ^(*)	15°C WB ^(*)

(*) The temperature may vary according to the outdoor unit. Consult the Technical Catalogue for outdoor units belonging to the systems UTOPIA or SET FREE.



NOTE

- DB: dry bulb; WB: wet bulb
- In the case of light cooling load and low temperature suction air of the outdoor unit (lower than 10°C), the operation may stop by thermo-OFF to prevent of the indoor unit frost formation.

4.3 Relative Humidity limit

Lower than 77%

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5. General data

RPIL-(0.4-1.5)FSRE

MODEL			RPIL-0.4FSRE	RPIL-0.6FSRE	RPIL-0.8FSRE	RPIL-1.0FSRE	RPIL-1.5FSRE
Power supply			1~ 230V 50Hz				
Nominal cooling capacity (UTOPIA/SET-FREE)	kW		- / 1.1	- / 1.7	2.0 / 2.2	2.5 / 2.8	3.6 / 4.0
Nominal heating capacity (UTOPIA/SET-FREE)	kW		- / 1.3	- / 1.9	2.2 / 2.5	2.8 / 3.2	4.0 / 4.8
Airflow ⁽²⁾	Speed (Lo/Me/Hi)	m ³ /min	5.0 / 5.5 / 6.0 (SP02) ⁽²⁾	5.5 / 6.5 / 7.3 (SP02) ⁽²⁾	5.7 / 6.5 / 7.7 (SP02) ⁽²⁾	5.7 / 6.5 / 7.7 (SP02) ⁽²⁾	6.5 / 7.9 / 8.8 (SP02) ⁽²⁾
External static pressure ⁽³⁾	Nominal (min. - max.)	Pa	15 (0-100)	15 (0-100)	25 (0-100)	25 (0-100)	25 (0-100)
Sound pressure level	Speed (Lo/Me/Hi)	dB(A)	22 / 23 / 24 (SP02) ⁽²⁾	23 / 25 / 27 (SP02) ⁽²⁾	23 / 25 / 28 (SP02) ⁽²⁾	23 / 25 / 28 (SP02) ⁽²⁾	25 / 29 / 30 (SP02) ⁽²⁾
Minimum Sound pressure ⁽⁴⁾	Speed (Lo)	dB(A)	22	23	23	23	25
Sound power level ⁽⁵⁾	Speed (Hi)	dB(A)	43 (SP02) ⁽²⁾	46 (SP02) ⁽²⁾	47 (SP02) ⁽²⁾	47 (SP02) ⁽²⁾	49 (SP02) ⁽²⁾
Nominal input power	Speed (Lo)	kW	0.02	0.02	0.02	0.03	0.03
Outer measurements	Height	mm	197	197	197	197	197
	Width	mm	750	750	750	750	750
	Depth	mm	600	600	600	600	600
Net weight		kg	23	23	23	23	23
Refrigerant			R32/R410A (factory-charged with corrosion-proof nitrogen)				
Refrigerant pipe connection			Flare nuts				
Refrigerant pipe size	Liquid	mm (in)	ø6.35 (1/4)	ø6.35 (1/4)	ø6.35 (1/4)	ø6.35 (1/4)	ø6.35 (1/4)
	Gas	mm (in)	ø12.7 (1/2)	ø12.7 (1/2)	ø12.7 (1/2)	ø12.7 (1/2)	ø12.7 (1/2)
Drain-up height		mm (in)	850				
Condensation drain connection		mm	ø32 ⁽¹⁾	ø32 ⁽¹⁾	ø32 ⁽¹⁾	ø32 ⁽¹⁾	ø32 ⁽¹⁾
MC Protection fuse		A	5	5	5	5	5
Packaging measurements		m ³	0.15	0.15	0.15	0.15	0.15

⁽¹⁾ Outer diameter (VP25).

⁽²⁾ SP: external static pressure (set with Optional Function "C5" in the remote control: 00: Standard, 01: High external static pressure, 02: Low external static pressure).

⁽³⁾ Nominal: External static pressure at nominal air flow volume.

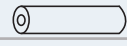
⁽⁴⁾ SP:02 Low at minimum Airflow

⁽⁵⁾ Sound Power data at Nominal External Static Pressure

NOTE

All values are preliminary data that can be changed in the final version.

Factory supplied accessories

Accessory		Purpose
	Washer with insulation material (M10)	For unit installation
	Washer (M10)	
	Drain hose	For drain hose connection (drain pump)
	Hose clamp	
	Insulation (5Tx100x200)	For covering drain connection
	Pipe insulation (ø28x125)	For covering gas/liquid pipe
	Pipe insulation (ø43x125)	
	Plastic ties (x4)	

Johnson Controls-Hitachi Air Conditioning Spain, S.A.U.

APN-2019023

New Products Information

Distributed to ✓ Areas:				
All Areas		Oceania		Europe
China		India		NA
ASEAN and Others		ME		LA
Taiwan		Africa		Brazil
NOTE ()				

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ADVANCED PRODUCT NEWS

SUBJECT

Launching of new ducted indoor units series RPI(L/H)-FSRE (from 0.4HP to 6.0HP)

DATE: Mar'21

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RPI-(1.5-6.0)FSRE

MODEL			RPI-1.5FSRE	RPI-2.0FSRE	RPI-2.5FSRE	RPI-3.0FSRE	RPI-4.0FSRE	RPI-5.0FSRE	RPI-6.0FSRE
Power supply			1~230V 50Hz						
Nominal cooling capacity (UTOPIA/SET-FREE)	kW		3.6 / 4.0	5.0 / 5.6	5.6 / 7.1	7.1 / 8.0	10.0 / 11.2	12.5 / 14.0	14.0 / 16.0
Nominal heating capacity (UTOPIA/SET-FREE)	kW		4.0 / 4.8	5.6 / 6.3	6.3 / 8.5	8.0 / 9.0	11.2 / 12.5	14.0 / 16.0	16.0 / 18.0
Airflow ⁽²⁾	Speed (Lo/Me/Hi)	m ³ /min	9 / 12 / 15 (SP00) ⁽²⁾	11 / 14 / 17 (SP00) ⁽²⁾	17 / 20 / 23 (SP00) ⁽²⁾	18 / 22 / 26 (SP00) ⁽²⁾	24 / 29 / 36 (SP00) ⁽²⁾	31 / 35.5 / 40 (SP00) ⁽²⁾	31 / 37 / 43 (SP00) ⁽²⁾
External static pressure ⁽³⁾	Nominal (min - max)	Pa	25 (0-150)	25 (0-150)	25 (0-150)	37 (0-150)	37 (0-150)	50 (0-150)	50 (0-150)
Sound pressure level	Speed (Lo/Me/Hi)	dB(A)	tbc (SP00) ⁽²⁾	tbc (SP00) ⁽²⁾	tbc (SP00) ⁽²⁾	tbc (SP00) ⁽²⁾	tbc (SP00) ⁽²⁾	tbc (SP00) ⁽²⁾	tbc (SP00) ⁽²⁾
Minimum Sound pressure ⁽⁴⁾	Speed (Lo)	dB(A)	tbc	tbc	tbc	tbc	tbc	tbc	tbc
Sound power level ⁽⁵⁾	Speed (Hi)	dB(A)	tbc (SP00) ⁽²⁾	tbc (SP00) ⁽²⁾	tbc (SP00) ⁽²⁾	tbc (SP00) ⁽²⁾	tbc (SP00) ⁽²⁾	tbc (SP00) ⁽²⁾	tbc (SP00) ⁽²⁾
Nominal input power	Speed (Lo)	kW	0.04	0.04	0.09	0.10	0.08	0.10	0.11
Outer measurements	Height	mm	240	240	240	240	240	240	240
	Width	mm	750	750	1084	1084	1474	1474	1474
	Depth	mm	600	600	600	600	600	600	600
Net weight	kg		25	25	30	30	36	36	36
Refrigerant			R32/R410A (factory-charged with corrosion-proof nitrogen)						
Refrigerant pipe connection			Flare nuts						
Refrigerant pipe size	Liquid	mm (in)	ø6.35 (1/4)	ø6.35 (1/4)	ø9.52 (3/8)	ø9.52 (3/8)	ø9.52 (3/8)	ø9.52 (3/8)	ø9.52 (3/8)
	Gas	mm (in)	ø15.88 (5/8)	ø15.88 (5/8)	ø15.88 (5/8)	ø15.88 (5/8)	ø15.88 (5/8)	ø15.88 (5/8)	ø15.88 (5/8)
Drain-up height			850						
Condensate drain connection	mm		ø32 ⁽¹⁾	ø32 ⁽¹⁾	ø32 ⁽¹⁾	ø32 ⁽¹⁾	ø32 ⁽¹⁾	ø32 ⁽¹⁾	ø32 ⁽¹⁾
MC Protection fuse	A		5	5	5	5	5	5	5
Packaging measurements	m ³		0.16	0.16	0.22	0.22	0.28	0.28	0.28

⁽¹⁾ Outer diameter (VP25).

⁽²⁾ SP: external static pressure (set with Optional Function "C5" in the remote control: 00: Standard, 01: High external static pressure, 02: Low external static pressure).

⁽³⁾ Nominal: External static pressure at nominal air flow volume.

⁽⁴⁾ SP:02 Low at minimum Airflow

⁽⁵⁾ Sound Power data at Nominal External Static Pressure



NOTE

All values are preliminary data that can be changed in the final version.

Factory supplied accessories

Accessory		Purpose
	Washer with insulation material (M10)	For unit installation
	Washer (M10)	
	Drain hose	For drain hose connection
	Hose clamp	
	Insulation (5Tx100x200)	For covering drain connection
	Pipe insulation (ø28x125)	
	Pipe insulation (ø43x125)	
	Plastic ties (x4)	

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APN-2019023

New Products Information

Distributed to ✓ Areas:				
All Areas		Oceania		Europe
China		India		NA
ASEAN and Others		ME		LA
Taiwan		Africa		Brazil
NOTE ()				

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ADVANCED PRODUCT NEWS

SUBJECT

Launching of new ducted indoor units series RPI(L/H)-FSRE (from 0.4HP to 6.0HP)

DATE: Mar'21

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RPIH-(4.0-6.0)FSRE

MODEL			RPIH-4.0FSRE	RPIH-5.0FSRE	RPIH-6.0FSRE
Power supply			1~ 230V 50Hz		
Nominal cooling capacity (UTOPIA/SET-FREE)	kW		10.0 / 11.2	12.5 / 14.0	14.0 / 16.0
Nominal heating capacity (UTOPIA/SET-FREE)	kW		11.2 / 12.5	14.0 / 16.0	16.0 / 18.0
Airflow ⁽²⁾	Speed (Lo/Me/Hi)	m ³ /min	26 / 31 / 36 (SP00) ⁽²⁾	30 / 35 / 40 (SP00) ⁽²⁾	30 / 35 / 40 (SP00) ⁽²⁾
External static pressure ⁽³⁾	Nominal (min - max)	Pa	50 (0-200)	50 (0-200)	50 (0-200)
Sound pressure level	Speed (Lo/Me/Hi)	dB(A)	tbc (SP00) ⁽²⁾	tbc (SP00) ⁽²⁾	tbc (SP00) ⁽²⁾
Minimum Sound pressure ⁽⁴⁾	Speed (Lo)	dB(A)	tbc	tbc	tbc
Sound power level ⁽⁵⁾	Speed (Hi)	dB(A)	tbc (SP00) ⁽²⁾	tbc (SP00) ⁽²⁾	tbc (SP00) ⁽²⁾
Nominal input power	Speed (Lo)	kW	0.08	0.10	0.11
Outer measurements	Height	mm	340	340	340
	Width	mm	1474	1474	1474
	Depth	mm	600	600	600
Net weight		kg	43	43	43
Refrigerant			R32/R410A (factory-charged with corrosion-proof nitrogen)		
Refrigerant pipe connection			Flare nuts		
Refrigerant pipe size	Liquid	mm (in)	ø9.52 (3/8)	ø9.52 (3/8)	ø9.52 (3/8)
	Gas	mm (in)	ø15.88 (5/8)	ø15.88 (5/8)	ø15.88 (5/8)
Drain-up height		mm (in)	850		
Condensate drain connection		mm	ø32 ⁽¹⁾	ø32 ⁽¹⁾	ø32 ⁽¹⁾
MC Protection fuse		A	5	5	5
Packaging measurements		m ³	0.39	0.39	0.39

⁽¹⁾ Outer diameter (VP25).

⁽²⁾ SP: external static pressure (set with Optional Function "C5" in the remote control: 00: Standard, 01: High external static pressure, 02: Low external static pressure).

⁽³⁾ Nominal: External static pressure at nominal air flow volume.

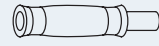
⁽⁴⁾ SP:02 Low at minimum Airflow

⁽⁵⁾ Sound Power data at Nominal External Static Pressure

NOTE

All values are preliminary data that can be changed in the final version.

Factory supplied accessories

Accessory		Purpose
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	Washer (M10)	
	Drain hose	For drain hose connection
	Hose clamp	
	Insulation (5Tx100x200)	For covering drain connection
	Pipe insulation (Ø28x125)	For covering gas/liquid pipe
	Pipe insulation (Ø43x125)	
	Plastic ties (x4)	

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APN-2019023

New Products Information

Distributed to √ Areas:					
All Areas		Oceania		Europe	√
China		India		NA	
ASEAN and Others		ME		LA	
Taiwan		Africa		Brazil	
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ADVANCED PRODUCT NEWS

SUBJECT

Launching of new ducted indoor units series RPI(L/H)-FSRE (from 0.4HP to 6.0HP)

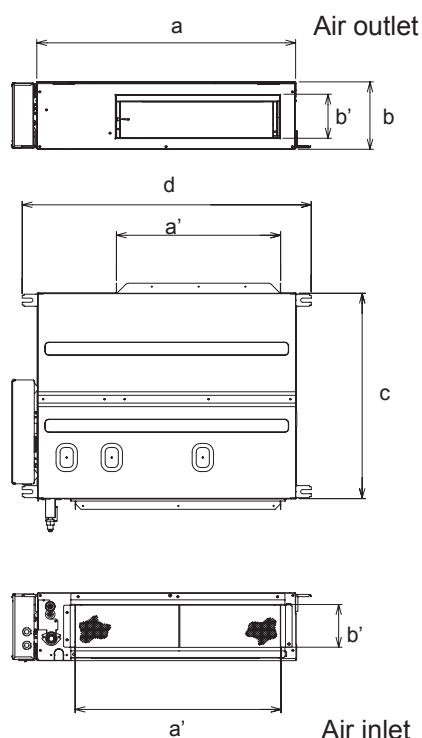
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6. Electrical data

Model	Main unit power supply			Applicable voltage		Fan motor				
	U (V)	PH	f (Hz)	Max. U (V)	Min. U (V)	IPT (kW)			MC (A) Operation	MC (A) Protection fuse
						Min	Rated	Max		
RPIL-0.4FSRE	230	1	50	253	207	0.02	0.04	0.05	0.5	5.0
RPIL-0.6FSRE						0.02	0.05	0.06	0.6	5.0
RPIL-0.8FSRE						0.02	0.05	0.06	0.6	5.0
RPIL-1.0FSRE						0.03	0.05	0.07	0.6	5.0
RPIL-1.5FSRE						0.03	0.05	0.07	0.7	5.0
RPI-1.5FSRE						0.04	0.15	0.19	1.8	5.0
RPI-2.0FSRE						0.04	0.15	0.19	1.8	5.0
RPI-2.5FSRE						0.09	0.21	0.29	2.8	5.0
RPI-3.0FSRE						0.10	0.22	0.30	3.0	5.0
RPI-4.0FSRE						0.08	0.23	0.27	3.2	5.0
RPI-5.0FSRE						0.10	0.29	0.34	3.5	5.0
RPI-6.0FSRE						0.11	0.31	0.38	3.5	5.0
RPIH-4.0FSRE						0.08	0.22	0.26	3.0	5.0
RPIH-5.0FSRE						0.10	0.27	0.32	3.4	5.0
RPIH-6.0FSRE						0.11	0.30	0.36	3.4	5.0

7. Air outlet and Air inlet dimensions



Model	Dimension (mm)			
	a	b	c	d
	750	198	600	840
	Air outlet (mm)		Air inlet (mm)	
	a'	b'	a'	b'
RPIL-(0.4-1.5)FSRE	478	126	597	134

New Products Information

Distributed to ✓ Areas:

All Areas	Oceania	Europe	✓
China	India	NA	
ASEAN and Others	ME	LA	
Taiwan	Africa	Brazil	

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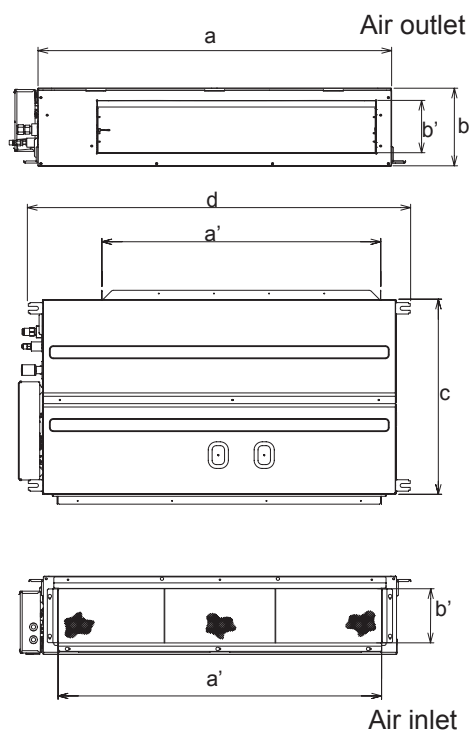
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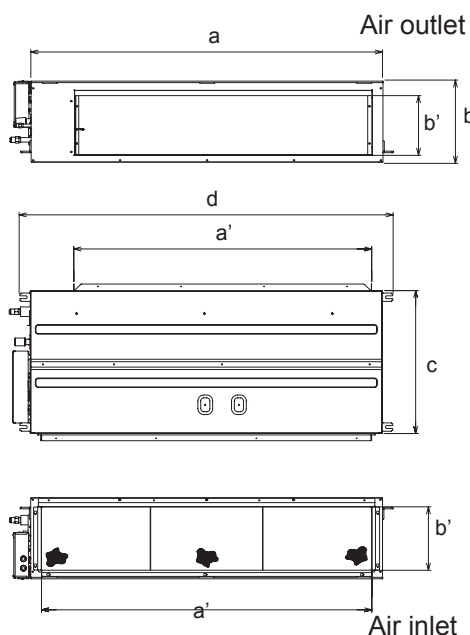
Launching of new ducted indoor units series RPI(L/H)-FSRE (from 0.4HP to 6.0HP)

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Model	Dimension (mm)			
	a	b	c	d
RPI-(1.5-2.0)FSRE	750	240	600	840
RPI-(2.5-3.0)FSRE	1084	240	600	1174
RPI-(4.0-6.0)FSRE	1474	240	600	1564
Model	Air outlet (mm)		Air inlet (mm)	
	a'	b'	a'	b'
RPI-(1.5-2.0)FSRE	524	162	663	174
RPI-(2.5-3.0)FSRE	858	162	997	174
RPI-(4.0-6.0)FSRE	1248	162	1387	174



Model	Dimension (mm)			
	a	b	c	d
RPIH-(4.0-6.0)FSRE	1474	340	600	1564
	Air outlet (mm)		Air inlet (mm)	
	a'	b'	a'	b'
	1249	271	1386	274

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New Products Information

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ASEAN and Others		ME		LA	
Taiwan		Africa		Brazil	
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SUBJECT

Launching of new ducted indoor units series RPI(L/H)-FSRE (from 0.4HP to 6.0HP)

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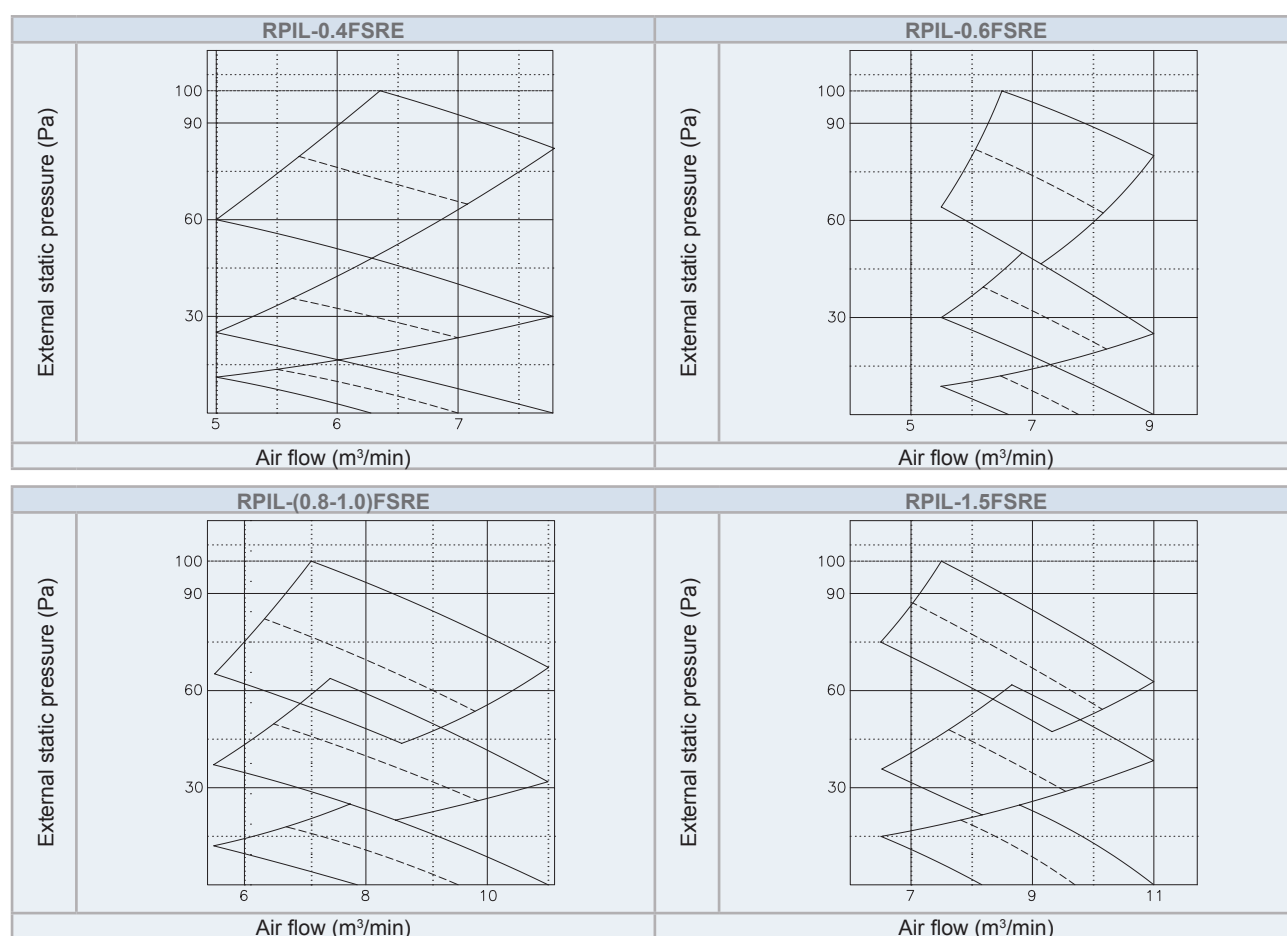
8. Fan performance curves

These units provide three options for the installation: High static pressure, standard static pressure or Low static pressure conditions in each particular installation, as shown below Fan Performance Curve.

i NOTE

All graphics are preliminary data that can be changed in the final version.

8.1 RPIL-(0.4-1.5)FSRE



New Products Information

Distributed to ☒ Areas:

All Areas	☐	Oceania	☐	Europe	☒
China	☐	India	☐	NA	☐
ASEAN and Others	☐	ME	☐	LA	☐
Taiwan	☐	Africa	☐	Brazil	☐

NOTE ()

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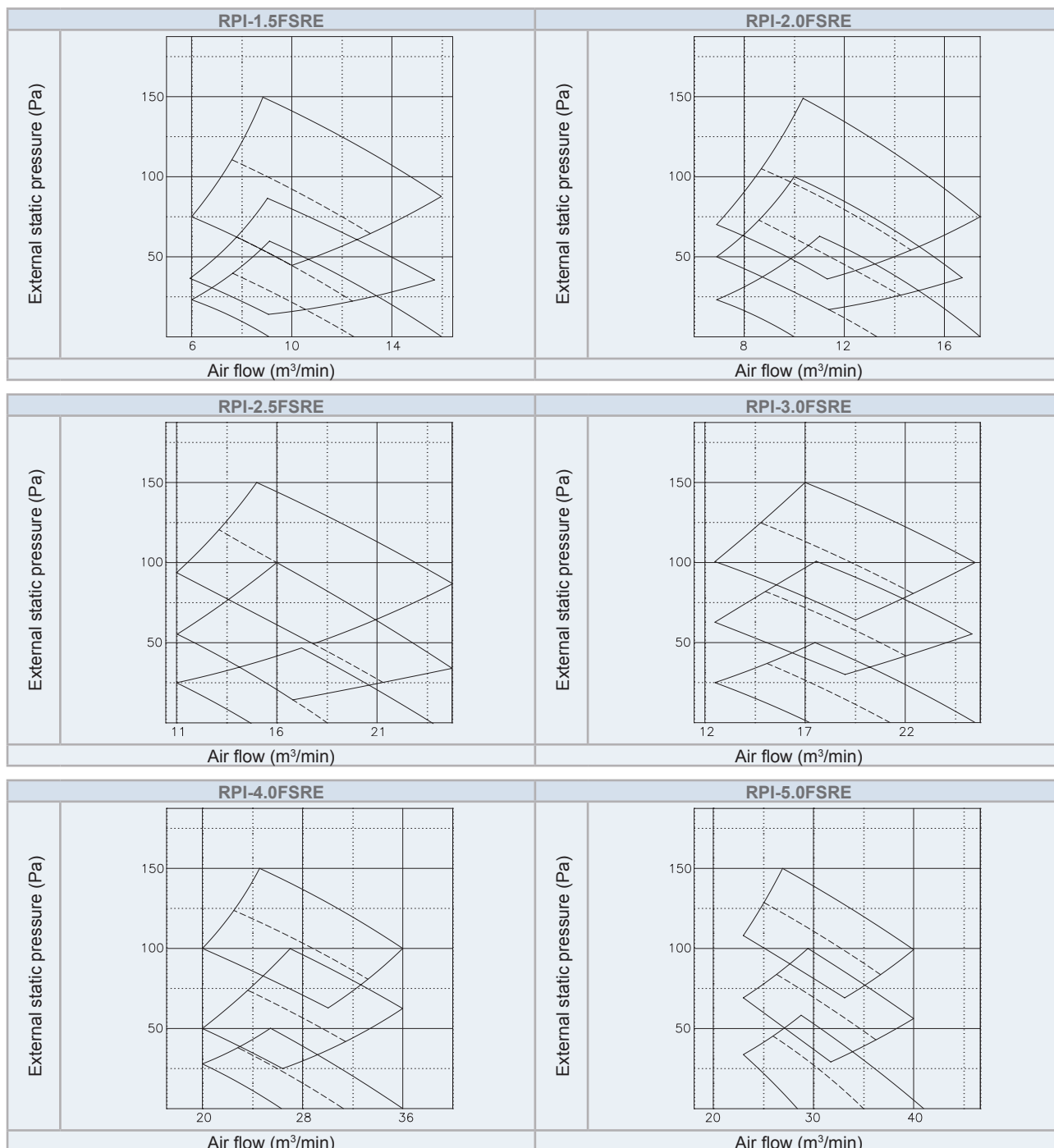
SUBJECT

Launching of new ducted indoor units series RPI(L/H)-FSRE (from 0.4HP to 6.0HP)

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8.2 RPI-(1.5-6.0)FSRE



New Products Information

Distributed to ☒ Areas:

All Areas	☒	Oceania	☒	Europe	☒
China	☒	India	☒	NA	☒
ASEAN and Others	☒	ME	☒	LA	☒
Taiwan	☒	Africa	☒	Brazil	☒

NOTE ()

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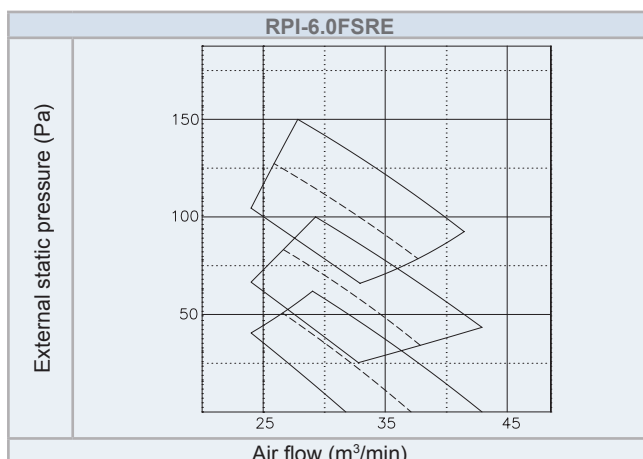
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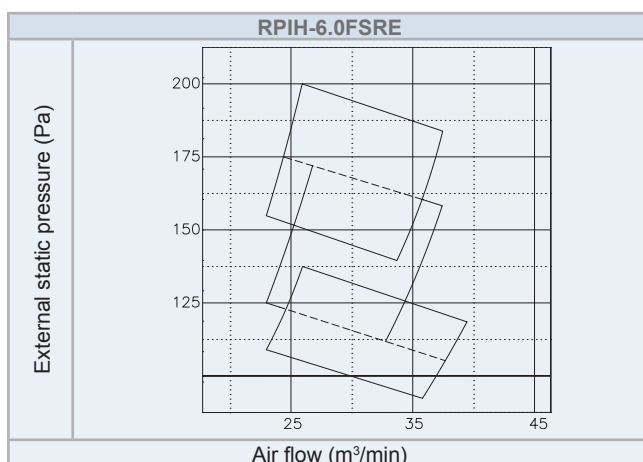
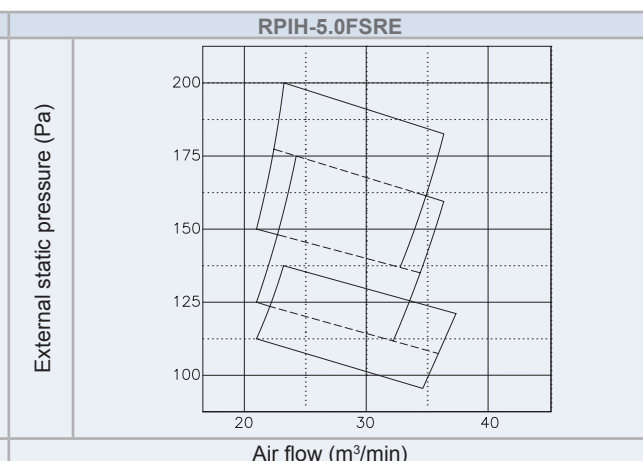
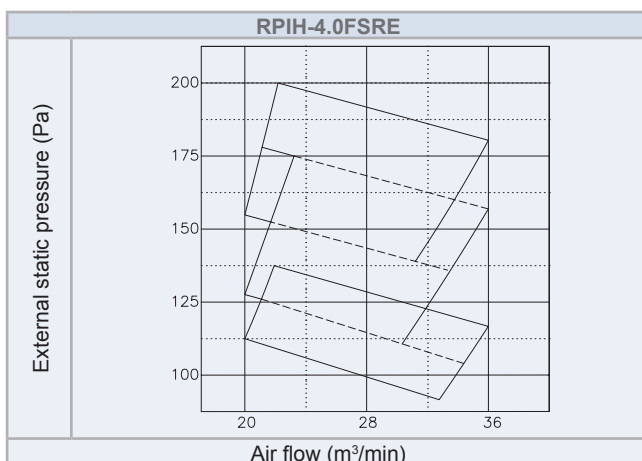
Launching of new ducted indoor units series RPI(L/H)-FSRE (from 0.4HP to 6.0HP)

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8.3 RPIH-(4.0-6.0)FSRE



New Products Information

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All Areas		Oceania		Europe	✓
China		India		NA	
ASEAN and Others		ME		LA	
Taiwan		Africa		Brazil	
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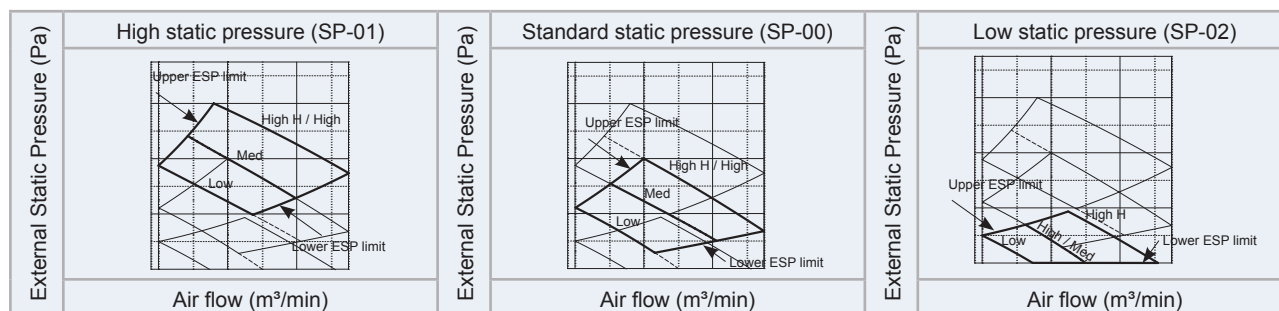
Launching of new ducted indoor units series RPI(L/H)-FSRE (from 0.4HP to 6.0HP)

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8.4 Fan speed availability according to the selected external static pressure

According to the selected of External Static Pressure configuration (through the optional function C5) the fan speeds available in the Remote Control Switch are the ones show as example in the following pictures.



NOTE

"High H" speed available only with PC-ARFP1E remote control switch.