

DUCTED



Type	HIGH ESP TYPE		MEDIUM ESP TYPE		LOW ESP TYPE		SLIM TYPE		COMPACT TYPE (AC MOTOR / DC MOTOR)	
Model	RPIH-(3.0-6.0)HNAUNQ RPI-(8.0-10.0)FSNQ		RPIM-(0.8-2.5)HNAUNQ RPI-(8.0-10.0)FSN3Q		RPIL-(0.8-6.0)HNAUNQ		RPIZ-(0.8-1.5)FSNQS/P		RPIZ-(0.8-2.5)HNATNQ RPIZ-(0.8-2.5)HNDTSQ	
Capacity	Cooling	kW	8.4 - 28.0	2.2 - 28.0	2.2 - 16.0	2.2 - 4.3	2.2 - 7.1			
	Heating	kW	9.6 - 31.5	2.8 - 31.5	2.8 - 18.0	2.8 - 4.9	2.5 - 8.0			
Dimensions	Height	mm	300 - 470	270 - 470	270 - 300	192	192			
	Width	mm	1,060 - 1,475	725 - 1,250	725-1,475	700	700 - 1,180			
	Depth	mm	800 - 1,120	720 - 1,120	720-800	602	447			
Net Weight	kg	45 - 104	24 - 106	24 - 54	21	17 - 28				

FEATURES AND BENEFITS

High ESP type

- High ESP (90/120Pa for 3.0-6.0 HP class, 180Pa for 8.0-10.0 HP class)
- Space saving design thanks to a height of only 300mm (3.0 - 6.0 HP class) or 470mm (8.0-10.0HP class)

Medium ESP type

- 2 steps of medium ESP (50/80Pa for 0.8- 2.5 HP class, 100Pa for 8.0-10.0 HP class)
- Space saving design thanks to a height of only 270mm (0.8 - 2.5HP class) or 470mm (8.0 - 10.0HP class)

Low ESP type

- Low ESP (30Pa for 0.8-2.5 HP class, 60Pa for 3.0-6.0 HP class)
- Space saving design thanks to a height of only 270mm (0.8-2.5HP class) or 350mm (3.0-6.0HP class)

Slim type

- Ideal for narrow ceiling voids installation thanks to low height up to 192mm & width just 700mm
- Drain-pump with 900mm lift as standard optional part
- Quiet operation level (as low as 22dB(A))

Compact type

- Ideal for installation over the closet or windows thanks to the up to the compactness with 192mm height
- Drain-pump with 900mm lift as standard optional part
- Quiet operation level (as low as 21dB(A))
- Fan air flow rate up to 6 taps (DC motor model only)



HIGH ESP (EXTERNAL STATIC PRESSURE) TYPE

Model			RPIH-3.0HNAUNQ	RPIH-3.3HNAUNQ	RPIH-4.0HNAUNQ	RPIH-5.0HNAUNQ	RPIH-6.0HNAUNQ
Indoor Unit Power Supply			AC 1 Φ, [220-240V/50Hz]				
Nominal Capacity	Cooling	kW	8.4	9.0	11.2	14.2	16.0
	Heating	kW	9.6	10.0	13.0	16.3	18.0
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	42/39/34	42/39/34	43/39/34	44/41/37	48/42/37
Outer Dimension	(H×W×D)	mm	300×1,175×800	300×1,175×800	300×1,175×800	300×1,475×800	300×1,475×800
Net Weight		kg	45	45	45	53	54
Refrigerant			R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m <sup>3</sup> /min	30/28/23	30/28/23	30/28/23	35.5/32/27	41/33/26
External Static Pressure *3)		Pa	120(90)	120(90)	120(90)	120(90)	120(90)
Connections			Flare-Nut Connection (with Flare Nuts)				
Refrigerant Piping Diameter	Liquid Line	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m <sup>3</sup>	0.40	0.40	0.40	0.49	0.49

Model			RPI-8.0FSNQ	RPI-10.0FSNQ
Indoor Unit Power Supply			AC 3 Φ, [380-415V/50Hz]	
Nominal Capacity	Cooling	kW	22.4	28.0
	Heating	kW	25.0	31.5
Sound Pressure Level	dB(A)		50	52
Outer Dimension	(H×W×D)	mm	470×1,060×1,120	470×1,250×1,120
Net Weight	kg		96	104
Refrigerant			R410A	R410A
Indoor Fan Air Flow Rate	m <sup>3</sup> /min		58	72
External Static Pressure *3)	Pa		180	180
Connections			Brazing	
Refrigerant Piping Diameter	Liquid Line	mm	Φ9.52	Φ9.52
	Gas Line	mm	Φ19.05	Φ22.23
Condensate Drain			VP25	VP25
Approximate Packing Volume		m <sup>3</sup>	0.90	1.06

NOTE:

1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

Cooling Operation Conditions	Heating Operation Conditions
Indoor Air Inlet Temperature: 27°C DB (80°F DB)	Indoor Air Inlet Temperature: 20°C DB (68°F DB)
19.0°C WB (66.2°F WB)	Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
Outdoor Air Inlet Temperature: 35°C DB (95°F DB)	6°C WB (43°F WB)
Piping Length:7.5 metre	Piping Length:7.5 metre
Piping Lift:0 metre	Piping Lift:0 metre

2. The sound pressure level is based on following conditions.  
 1.4 metre Beneath the Unit.  
 With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).  
 Voltage of the power source for the indoor fan motor is 220V.  
 (In case of the power source of 240V, the sound pressure level increases by about 1~2dB(A).)  
 The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. The data for external pressure (\*3) indicates "Standard Pressure Setting values when a filter is not used.

## MEDIUM ESP (EXTERNAL STATIC PRESSURE) TYPE

Model			RPIM-0.8HNAUNQ	RPIM-1.0HNAUNQ	RPIM-1.3HNAUNQ	RPIM-1.5HNAUNQ	RPIM-1.8HNAUNQ
<b>Indoor Unit Power Supply</b>			AC 1 Φ, [220-240V/50Hz]				
Nominal Capacity	Cooling	kW	2.2	2.8	3.6	4.3	5.0
	Heating	kW	2.8	3.3	4.2	4.9	5.6
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	32/27/24	32/27/24	35/33/28	35/33/28	35.5/33/28
Outer Dimension	(H×W×D)	mm	270×725×720	270×725×720	270×725×720	270×725×720	270×975×720
Net Weight		kg	24	24	25	25	31
Refrigerant			R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m <sup>3</sup> /min	10/8/7	10/8/7	12/11/9	12/11/9	16/14/11.5
External Static Pressure *3)		Pa	50(80)	50(80)	50(80)	50(80)	50(80)
<b>Connections</b>			Flare-Nut Connection (with Flare Nuts)				
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m <sup>3</sup>	0.22	0.22	0.22	0.22	0.28

Model			RPIM-2.0HNAUNQ	RPIM-2.3HNAUNQ	RPIM-2.5HNAUNQ	RPI-8.0FSN3Q	RPI-10.0FSN3Q
<b>Indoor Unit Power Supply</b>			AC 1 Φ, [220-240V/50Hz]		AC 3 Φ, [380-415V/50Hz]		
Nominal Capacity	Cooling	kW	5.6	6.3	7.1	22.4	28.0
	Heating	kW	6.5	7.5	8.5	25.0	31.5
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	35.5/33/28	39/34/26	39/34/26	50	52
Outer Dimension	(H×W×D)	mm	270×975×720	270×975×720	270×975×720	470×1,060×1,120	470×1,250×1,120
Net Weight		kg	31	32	32	96	104
Refrigerant			R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m <sup>3</sup> /min	16/14/11.5	20/16/11.5	20/16/11.5	58(56*)	72(70*)
External Static Pressure *3)		Pa	50(80)	50(80)	50(80)	100	100
<b>Connections</b>			Flare-Nut Connection (with Flare Nuts)			Brazing	
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ19.05	Φ22.23
Condensate Drain			VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m <sup>3</sup>	0.28	0.28	0.28	0.90	1.06

NOTE:  
 1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

Cooling Operation Conditions	Heating Operation Conditions
Indoor Air Inlet Temperature: 27°C DB (80°F DB)	Indoor Air Inlet Temperature: 20°C DB (68°F DB)
Outdoor Air Inlet Temperature: 19.0°C WB (66.2°F WB)	Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
Outdoor Air Inlet Temperature: 35°C DB (95°F DB)	Outdoor Air Inlet Temperature: 6°C WB (43°F WB)
Piping Length:7.5 metre	Piping Length:7.5 metre
Piping Lift:0 metre	Piping Lift:0 metre

2. The sound pressure level is based on following conditions.  
 1.4 metre Beneath the Unit.  
 With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).  
 Voltage of the power source for the indoor fan motor is 220V.  
 (In case of the power source of 240V, the sound pressure level increases by about 1~2dB(A).)  
 The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. The data for external pressure (\*3) indicates "Standard Pressure Setting values when a filter is not used.

## LOW ESP (EXTERNAL STATIC PRESSURE) TYPE

Model			RPIL-0.8HNAUNQ	RPIL-1.0HNAUNQ	RPIL-1.3HNAUNQ	RPIL-1.5HNAUNQ	RPIL-1.8HNAUNQ	RPIL-2.0HNAUNQ	RPIL-2.3HNAUNQ
<b>Indoor Unit Power Supply</b>			AC 1 Φ, [220-240V/50Hz]						
Nominal Capacity	Cooling	kW	2.2	2.8	3.6	4.3	5.0	5.6	6.3
	Heating	kW	2.8	3.3	4.2	4.9	5.6	6.5	7.5
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	28/25/22	28/25/22	34/32/30	34/32/30	34/32/29	34/32/29	36.5/30.5/25
Outer Dimension	(H×W×D)	mm	270×725×720	270×725×720	270×725×720	270×725×720	270×975×720	270×975×720	270×975×720
Net Weight		kg	24	24	25	25	31	31	32
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m <sup>3</sup> /min	9/8/7	9/8/7	13/11/9	13/11/9	15/14/12	15/14/12	21/17/11
External Static Pressure (*3)		Pa	30	30	30	30	30	30	30
<b>Connections</b>			Flare-Nut Connection (with Flare Nuts)						
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52
	Gas Line	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m <sup>3</sup>	0.22	0.22	0.22	0.22	0.28	0.28	0.28

Model			RPIL-2.5HNAUNQ	RPIL-3.0HNAUNQ	RPIL-3.3HNAUNQ	RPIL-4.0HNAUNQ	RPIL-5.0HNAUNQ	RPIL-6.0HNAUNQ
<b>Indoor Unit Power Supply</b>			AC 1 Φ, [220-240V/50Hz]					
Nominal Capacity	Cooling	kW	7.1	8.4	9.0	11.2	14.2	16.0
	Heating	kW	8.5	9.6	10.0	13.0	16.3	18.0
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	36.5/30.5/25	38/30/24	38/30/24	38/35/31	44/39/35	46/41/35
Outer Dimension	(H×W×D)	mm	270×975×720	300×1,175×800	300×1,175×800	300×1,175×800	300×1,475×800	300×1,475×800
Net Weight		kg	32	45	45	45	53	54
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m <sup>3</sup> /min	21/17/11	29/25/21	29/25/21	29/25/21	36/31/26	42/34/26
External Static Pressure (*3)		Pa	30	60	60	60	60	60
<b>Connections</b>			Flare-Nut Connection (with Flare Nuts)					
Refrigerant Piping Diameter	Liquid Line	mm	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52	Φ9.52
	Gas Line	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m <sup>3</sup>	0.28	0.40	0.40	0.40	0.49	0.49

NOTE:  
 1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.

Cooling Operation Conditions	Heating Operation Conditions
Indoor Air Inlet Temperature: 27°C DB (80°F DB)	Indoor Air Inlet Temperature: 20°C DB (68°F DB)
Outdoor Air Inlet Temperature: 19.0°C WB (66.2°F WB)	Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
Outdoor Air Inlet Temperature: 35°C DB (95°F DB)	Outdoor Air Inlet Temperature: 6°C WB (43°F WB)
Piping Length:7.5 metre	Piping Length:7.5 metre
Piping Lift:0 metre	Piping Lift:0 metre

2. The sound pressure level is based on following conditions.  
 1.4 metre Beneath the Unit.  
 With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).  
 Voltage of the power source for the indoor fan motor is 220V.  
 (In case of the power source of 240V, the sound pressure level increases by about 1~2dB(A).)  
 The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. The data for external pressure (\*3) indicates "Standard Pressure Setting values when a filter is not used.

SLIM TYPE

Model			RPIZ-0.8FSNQS/P	RPIZ-1.0FSNQS/P	RPIZ-1.3FSNQS/P	RPIZ-1.5FSNQS/P
Indoor Unit Power Supply			AC 1Φ, [220-240V 50Hz]			
Nominal Capacity	Cooling	kW	2.2	2.8	3.6	4.3
	Heating	kW	2.8	3.3	4.2	4.9
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	28/25/22	28/25/22	32/30/28	32/30/28
Outer Dimension	(H×W×D)	mm	192×700×602	192×700×602	192×700×602	192×700×602
Net Weight		kg	21	21	21	21
Refrigerant			R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m <sup>3</sup> /min	8/7/6	8/7/6	10/8/7	10/8/7
External Static Pressure	Standard (min/max)	Pa	10(10/30)	10(10/30)	10(10/30)	10(10/30)
Connections			Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas Line	mm	Φ12.70	Φ12.70	Φ12.70	Φ12.70
Condensate Drain			VP25	VP25	VP25	VP25
Approximate Packing Volume		m <sup>3</sup>	0.15	0.15	0.15	0.15

NOTE:  
 1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.  
 Cooling Operation Conditions  
 Indoor Air Inlet Temperature: 27°C DB (80°F DB) 19.0°C WB (66.2°F WB)  
 Outdoor Air Inlet Temperature: 35°C DB (95°F DB)  
 Piping Length:7.5 metre  
 Piping Lift:0 metre  
 Heating Operation Conditions  
 Indoor Air Inlet Temperature: 20°C DB (68°F DB) 7°C DB (45°F DB)  
 Outdoor Air Inlet Temperature: 6°C WB (43°F WB)  
 Piping Length:7.5 metre  
 Piping Lift:0 metre  
 2. The sound pressure level is based on following conditions.  
 1.4 metre Beneath the Unit.  
 With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).  
 Voltage of the power source for the indoor fan motor is 220V.  
 (In case of the power source of 240V, the sound pressure level increases by about 1-2dB(A).)  
 The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.  
 3. The data for external pressure (\*3) indicates "Standard Pressure Setting values when a filter is not used."

COMPACT TYPE  
 (BOTH AC MOTOR TYPE AND DC MOTOR TYPE AVAILABLE)

Model (AC MOTOR)			RPIZ-0.8HNATNQ	RPIZ-1.0HNATNQ	RPIZ-1.3HNATNQ	RPIZ-1.5HNATNQ	RPIZ-1.8HNATNQ	RPIZ-2.0HNATNQ	RPIZ-2.3HNATNQ	RPIZ-2.5HNATNQ
Indoor Unit Power Supply			AC 1 Φ, [220-240V/50Hz]							
Nominal Capacity	Cooling	kW	2.2	2.8	3.6	4.0	5.0	5.6	6.3	7.1
	Heating	kW	2.5	3.2	4.0	4.5	5.6	6.3	7.1	8.0
Sound Pressure Level	(Hi/Me/Lo)	dB(A)	30/23/20	30/23/20	34/25/22	32.5/26/23	34/26/25	34/26/25	37/29/27	37/29/27
Outer Dimension	(H×W×D)	mm	192×700×447	192×700×447	192×700×447	192×910×447	192×1,180×447	192×1,180×447	192×1,180×447	192×1,180×447
Net Weight		kg	17	17	17	21	27	27	28	28
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(Hi/Me/Lo)	m <sup>3</sup> /min	9.5/6.5/5.5	9.5/6.5/5.5	9.5/6.5/5.5	10/7/6	15/10/9	15/10/9	17/10/9	17/10/9
External Static Pressure (*3)		Pa	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)	10(30)
Connections			Flare-Nut Connection (with Flare Nuts)							
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52
	Gas Line	mm	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m <sup>3</sup>	0.142	0.142	0.142	0.15	0.18	0.18	0.18	0.18

Model (DC MOTOR)			RPIZ-0.8HNDSQ	RPIZ-1.0HNDSQ	RPIZ-1.3HNDSQ	RPIZ-1.5HNDSQ	RPIZ-1.8HNDSQ	RPIZ-2.0HNDSQ	RPIZ-2.3HNDSQ	RPIZ-2.5HNDSQ
Indoor Unit Power Supply			AC 1 Φ, [220-240V/50Hz] [220V/60Hz]							
Nominal Capacity	Cooling	kW	2.2	2.8	3.6	4.0	5.0	5.6	6.3	7.1
	Heating	kW	2.5	3.2	4.0	4.5	5.6	6.3	7.1	8.0
Sound Pressure Level	(6taps)	dB(A)	33/31/28/25/23.5/22.5	33/31/28/25/23.5/22.5	33/31/28/25/23.5/22.5	31/30/28/25/22/20	36/33.5/31/28/24.5/22.5	36/33.5/31/28/24.5/22.5	36/33.5/31/28/24.5/22.5	36/33.5/31/28/24.5/22.5
Outer Dimension	(H×W×D)	mm	192×700×447	192×700×447	192×700×447	192×910×447	192×1,180×447	192×1,180×447	192×1,180×447	192×1,180×447
Net Weight		kg	17	17	17	20	24	24	24	24
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Indoor Fan Air Flow Rate	(6taps)	m <sup>3</sup> /min	8.5/8/7/6/5.5/5	8.5/8/7/6/5.5/5	8.5/8/7/6/5.5/5	10/9/8/7.5/6.5/6	16.5/15/13/12/10/9	16.5/15/13/12/10/9	16.5/15/13/12/10/9	16.5/15/13/12/10/9
External Static Pressure (*3)		Pa	10(0-10-30)	10(0-10-30)	10(0-10-30)	10(0-10-30)	10(0-10-50)	10(0-10-50)	10(0-10-50)	10(0-10-50)
Connections			Flare-Nut Connection (with Flare Nuts)							
Refrigerant Piping Diameter	Liquid Line	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ9.52	Φ9.52
	Gas Line	mm	Φ12.70	Φ12.70	Φ12.70	Φ12.70	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain			VP25	VP25	VP25	VP25	VP25	VP25	VP25	VP25
Approximate Packing Volume		m <sup>3</sup>	0.142	0.142	0.142	0.15	0.18	0.18	0.18	0.18

NOTE:  
 1. The cooling capacities above show the maximum capacities when the outdoor and indoor temperature are under the following conditions.  
 Cooling Operation Conditions  
 Indoor Air Inlet Temperature: 27°C DB (80°F DB) 19.0°C WB (66.2°F WB)  
 Outdoor Air Inlet Temperature: 35°C DB (95°F DB)  
 Piping Length:7.5 metre  
 Piping Lift:0 metre  
 Heating Operation Conditions  
 Indoor Air Inlet Temperature: 20°C DB (68°F DB) 7°C DB (45°F DB)  
 Outdoor Air Inlet Temperature: 6°C WB (43°F WB)  
 Piping Length:7.5 metre  
 Piping Lift:0 metre  
 2. The sound pressure level is based on following conditions.  
 1.4 metre Beneath the Unit.  
 With Discharge Duct (2.0 metre) and Return Duct (1.0 metre).  
 Voltage of the power source for the indoor fan motor is 220V.  
 (In case of the power source of 240V, the sound pressure level increases by about 1-2dB(A).)  
 The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.  
 3. The data for external pressure (\*3) indicates "Standard Pressure Setting values when a filter is not used."

SET FREE Σ HNCQ series

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