

ZRUN040GSS0 / ZRUN050GSS0
ZRUN060GSS0



LG participates in the ECP programme for EUROVENT VRF program. Check ongoing validity of certification www.eurovent-certification.com

HP		4	5	6
Model Name		ZRUN040GSS0	ZRUN050GSS0	ZRUN060GSS0
Capacity	Cooling (Rated)	12,1	14,0	15,5
	Heating (Rated)	12,1	14,0	15,5
	Heating (Max)	14,2	16,0	18,0
Input	Cooling (Rated)	3,43	3,33	3,97
	Heating (Rated)	2,30	2,72	3,23
	Heating (Max)	2,93	3,48	4,29
EER (Rated)		3,53	4,20	3,90
SEER		8,10	8,70	8,50
COP (Rated)		5,26	5,15	4,80
COP (Max)		4,84	4,60	4,20
SCOP		4,70	4,80	5,00
Exterior	Color	Warm Gray	Warm Gray	Warm Gray
	RAL Code	RAL 7044	RAL 7044	RAL 7044
Heat Exchanger	Type	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin
	Type	LG Inverter Scroll (R1)	LG Inverter Scroll (R1)	LG Inverter Scroll (R1)
Compressor	Combination x No.	(Inverter) x 1	(Inverter) x 1	(Inverter) x 1
	Motor Output x Number W x No.	3,198 x 1	3,198 x 1	3,198 x 1
	Oil Type	FW68D	FW68D	FW68D
	Oil Charge cc	1,100	1,100	1,100
Fan	Type	Axial Flow Fan	Axial Flow Fan	Axial Flow Fan
	Motor Output x Number W x No.	124 x 1	200 x 1	200 x 1
	Air Flow Rate (High) m ³ /min x No.	60 x 1	80 x 1	80 x 1
	Drive	DC INVERTER	DC INVERTER	DC INVERTER
Pipe Connection	Liquid Pipe mm (inch)	Ø9,52 (3/8)	Ø9,52 (3/8)	Ø9,52 (3/8)
	Gas Pipe mm (inch)	Ø15,88 (5/8)	Ø15,88 (5/8)	Ø19,05 (3/4)
Dimensions (W x H x D)	mm x No.	(950 x 834 x 330) x 1	(950 x 834 x 330) x 1	(950 x 834 x 330) x 1
Dimensions (W x H x D) - Shipping	mm x No.	(1,147 x 919 x 461) x 1	(1,147 x 919 x 461) x 1	(1,147 x 919 x 461) x 1
Net Weight	kg x No.	64,7 x 1	71,6 x 1	71,6 x 1
Shipping Weight	kg x No.	73,7 x 1	79,6 x 1	79,6 x 1
Sound Pressure Level	Cooling	50	51	52
	Heating	52	53	54
Sound Power Level	Cooling	67	70	71
	Heating	71	74	75
Communication Cable	mm' x No. (VCTE-SB)	1,0 - 1,5 x 2C	1,0 - 1,5 x 2C	1,0 - 1,5 x 2C
Refrigerant	Refrigerant name	R32	R32	R32
	Precharged Amount kg	1,5	2,0	2,0
	τCO ₂ eq	1,010	1,350	1,350
	Control	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz	1, 220-240, 50	1, 220-240, 50	1, 220-240, 50
Number of maximum connectable indoor units		8	10	13

Note

1. Due to our policy of innovation some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Performances are based on the following conditions :

- Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB
- Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB
- Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is 0m.
- 5. EUROVENT Test Condition
 - Performance values on the this PDB are based on Ceiling mounted cassette combination.
 - Refer to EUROVENT web site (www.eurovent-certification.com) for other indoor unit combination and more detail test conditions.
- 6. The maximum combination ratio is 160%.
- 7. This product contains fluorinated greenhouse gases (R32, GWP (Global warming potential) = 675)

ZRUN040LSS0 / ZRUN050LSS0
ZRUN060LSS0



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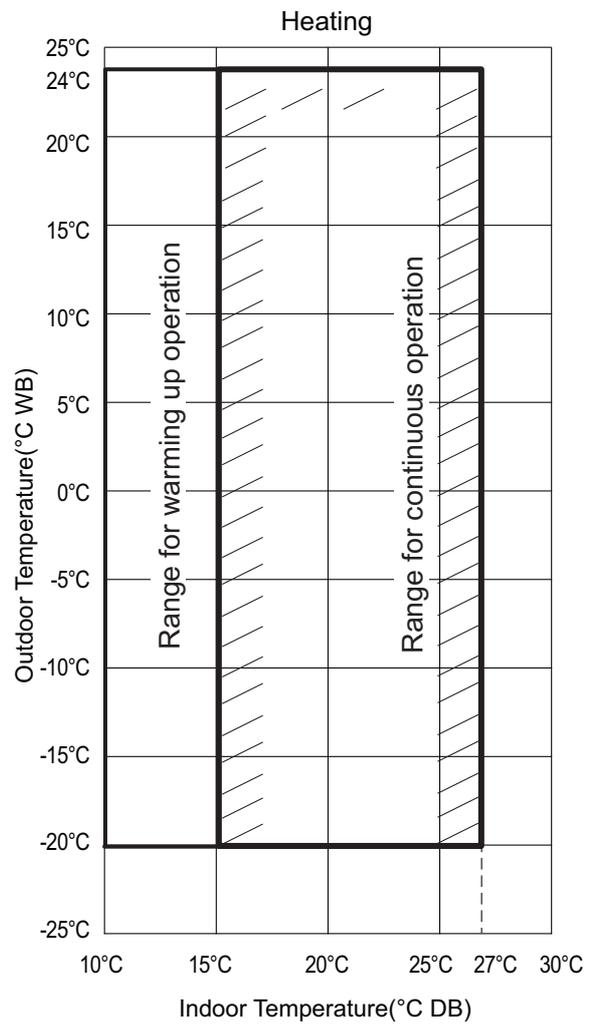
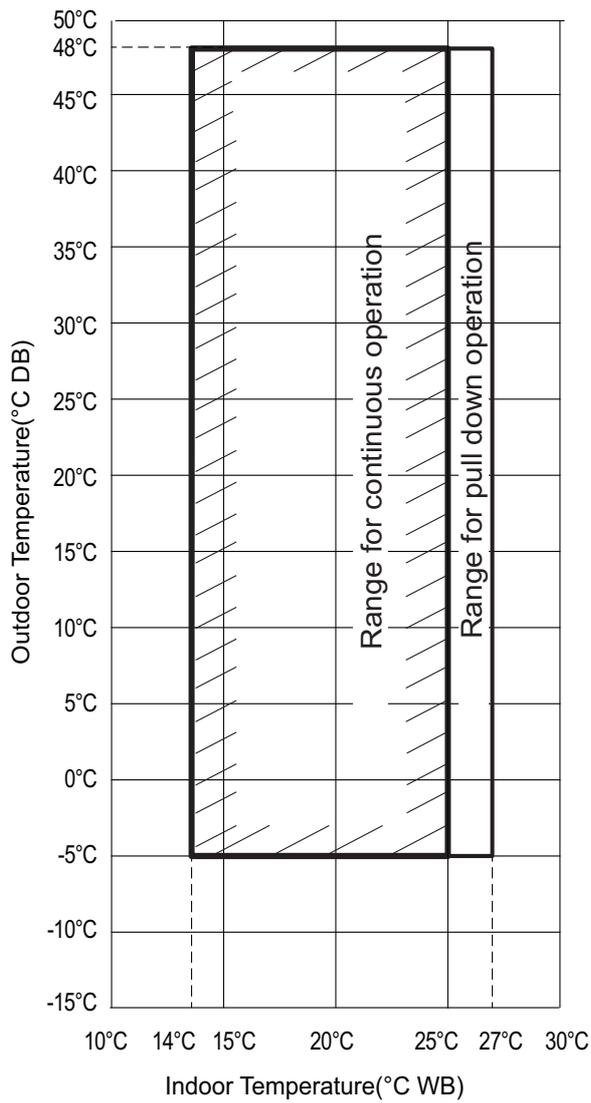
HP		4	5	6
Model Name		ZRUN040LSS0	ZRUN050LSS0	ZRUN060LSS0
Capacity	Cooling (Rated)	12,1	14,0	15,5
	Heating (Rated)	12,1	14,0	15,5
	Heating (Max)	14,2	16,0	18,0
Input	Cooling (Rated)	3,43	3,33	3,97
	Heating (Rated)	2,30	2,72	3,23
	Heating (Max)	2,93	3,48	4,29
EER (Rated)		3,53	4,20	3,90
SEER		8,10	8,70	8,50
COP (Rated)		5,26	5,15	4,80
COP (Max)		4,84	4,60	4,20
SCOP		4,70	4,80	5,00
Exterior	Color	Warm Gray	Warm Gray	Warm Gray
	RAL Code	RAL 7044	RAL 7044	RAL 7044
Heat Exchanger	Type	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin	Wide Louver Plus / Black Fin
	Type	LG Inverter Scroll (R1)	LG Inverter Scroll (R1)	LG Inverter Scroll (R1)
Compressor	Combination x No.	(Inverter) x 1	(Inverter) x 1	(Inverter) x 1
	Motor Output x Number W x No.	3,198 x 1	3,198 x 1	3,198 x 1
	Oil Type	FW68D	FW68D	FW68D
	Oil Charge cc	1,100	1,100	1,100
Fan	Type	Axial Flow Fan	Axial Flow Fan	Axial Flow Fan
	Motor Output x Number W x No.	124 x 1	200 x 1	200 x 1
	Air Flow Rate (High) m ³ /min x No.	60 x 1	80 x 1	80 x 1
	Drive	DC INVERTER	DC INVERTER	DC INVERTER
Pipe Connection	Liquid Pipe mm (inch)	Ø9,52 (3/8)	Ø9,52 (3/8)	Ø9,52 (3/8)
	Gas Pipe mm (inch)	Ø15,88 (5/8)	Ø15,88 (5/8)	Ø19,05 (3/4)
Dimensions (W x H x D)	mm x No.	(950 x 834 x 330) x 1	(950 x 834 x 330) x 1	(950 x 834 x 330) x 1
Dimensions (W x H x D) - Shipping	mm x No.	(1,147 x 919 x 461) x 1	(1,147 x 919 x 461) x 1	(1,147 x 919 x 461) x 1
Net Weight	kg x No.	64,7 x 1	71,6 x 1	71,6 x 1
Shipping Weight	kg x No.	73,7 x 1	79,6 x 1	79,6 x 1
Sound Pressure Level	Cooling	51	57	57
	Heating	55	60	60
Sound Power Level	Cooling	67	70	71
	Heating	71	74	75
Communication Cable	mm' x No. (VCTE-SB)	1,0 - 1,5 x 2C	1,0 - 1,5 x 2C	1,0 - 1,5 x 2C
Refrigerant	Refrigerant name	R32	R32	R32
	Precharged Amount kg	1,5	2,0	2,0
	τCO ₂ eq	1,013	1,350	1,350
	Control	Electronic Expansion Valve	Electronic Expansion Valve	Electronic Expansion Valve
Power Supply	Ø, V, Hz	3, 380-415, 50	3, 380-415, 50	3, 380-415, 50
Number of maximum connectable indoor units		8	10	13

Note

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2. Wiring cable size must comply with the applicable local and national codes. And "Electric characteristics" chapter should be considered for electrical work and design. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard. Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard. Therefore, these values can be increased owing to ambient conditions during operation.
4. Performances are based on the following conditions :

- Cooling : Indoor Ambient Temp 27°CDB / 19°CWB, Outdoor Ambient Temp 35°CDB / 24°CWB
- Heating : Indoor Ambient Temp 20°CDB / 15°CWB, Outdoor Ambient Temp 7°CDB / 6°CWB
- Interconnected Pipe Length is 7.5m and difference of Elevation (Outdoor - Indoor Unit) is 0m.
- 5. EUROVENT Test Condition
 - Performance values on the this PDB are based on Ceiling mounted cassette combination.
 - Refer to EUROVENT web site (www.eurovent-certification.com) for other indoor unit combination and more detail test conditions.
- 6. The maximum combination ratio is 160%.
- 7. This product contains fluorinated greenhouse gases (R32, GWP (Global warming potential) = 675)

8. Operation Limits

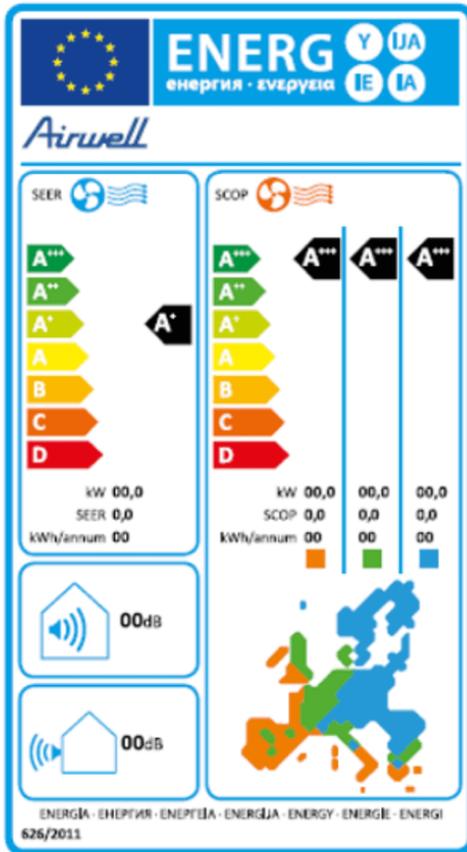


Note

These figures assume the following operating conditions:

Equivalent piping length:7.5m

Level difference:0m



	SEER (Cooling mode)	SCOP (Heating mode)
A ⁺⁺⁺	SEER ≥ 8,50	SCOP ≥ 5,10
A ⁺⁺	6,10 ≤ SEER < 8,50	4,60 ≤ SCOP < 5,10
A ⁺	5,60 ≤ SEER < 6,10	4,00 ≤ SCOP < 4,60
A	5,10 ≤ SEER < 5,60	3,40 ≤ SCOP < 4,00
B	4,60 ≤ SEER < 5,10	3,10 ≤ SCOP < 3,40
C	4,10 ≤ SEER < 4,60	2,80 ≤ SCOP < 3,10
D	3,60 ≤ SEER < 4,10	2,50 ≤ SCOP < 2,80
E	3,10 ≤ SEER < 3,60	2,20 ≤ SCOP < 2,50
F	2,60 ≤ SEER < 3,10	1,90 ≤ SCOP < 2,20
G	SEER < 2,60	SCOP < 1,90

STANDARD



ARNU05GSJ*4 / ARNU07GSJ*4 / ARNU09GSJ*4 / ARNU12GSJ*4 / ARNU15GSJ*4

Model		Unit	ARNU05GSJ*4	ARNU07GSJ*4	ARNU09GSJ*4	ARNU12GSJ*4	ARNU15GSJ*4
Cooling Capacity		kW	1.6	2.2	2.8	3.6	4.5
Heating Capacity		kW	1.8	2.5	3.2	4.0	5.0
Power Input (H / M / L)	Nominal	W	11 / 10 / 9	12 / 11 / 9	13 / 12 / 9	15 / 13 / 11	23 / 18 / 11
Exterior Color			White	White	White	White	White
RAL Code			RAL 9016				
Dimensions (W x H x D)	Body	mm	818 x 316 x 189				
	Shipping	mm	892 x 381 x 249				
Fan	Type		Cross Flow Fan				
	Motor Output x Number	W x No.	30 x 1				
	Air Flow Rate (H / M / L)	m ³ /min	6.8 / 6.5 / 5.9	7.2 / 6.8 / 5.9	7.8 / 7.2 / 5.9	8.5 / 7.8 / 6.8	10.5 / 9.5 / 6.8
	Motor Type		BLDC	BLDC	BLDC	BLDC	BLDC
Air Filter			Pre Filter				
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)				
	Gas Side	mm (inch)	Ø12.7 (1/2)				
	Drain Pipe (Internal Dia.)	mm (inch)	Ø16 (5/8)				
Weight	Body	kg	8.4	8.4	8.4	8.4	8.4
Sound Pressure Levels (H / M / L)		dB(A)	30 / 29 / 28	32 / 30 / 28	34 / 32 / 28	37 / 34 / 30	42 / 39 / 32
Sound Power Levels (H / M / L)		dB(A)	54 / 53 / 52	54 / 53 / 52	55 / 54 / 52	55 / 54 / 53	58 / 56 / 54
Power Supply		Ø, V, Hz	1, 220 - 240, 50	1, 220 - 240, 50	1, 220 - 240, 50	1, 220 - 240, 50	1, 220 - 240, 50
			1, 220, 60	1, 220, 60	1, 220, 60	1, 220, 60	1, 220, 60
Communication Cable		mm ² x No.	1.0 - 1.5 x 2C				

* : N or C can be applied which has little bit different shape of panel.

Note : 1. Performance tested under EN14511

2. Capacities are based on the following conditions

- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero
- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero

3. Due to our policy of innovation, some specifications may be changed without notification

Accessories

Chassis	ARNU05GSJ*4	ARNU07GSJ*4	ARNU09GSJ*4	ARNU12GSJ*4	ARNU15GSJ*4
Drain Pump					
Cassette Cover					
Refrigerant Leakage Detector			PRLDNVSO		
EEV Kit			PRGK024A0		
Independent Power Module			PRIP0		
Robot Cleaner					
Pre Filter (washable / anti-fungus)			○		
Ion Generator			○		
CO ₂ Sensor					
Ventilation Kit					
IR Receiver					
Zone Controller					
Dry Contact (with additional accessory)			PDRYCB000 (1 point contact) PDRYCB300 (8 points for thermostat compatible) PDRYCB400 (2 points input) PDRYCB500 (Modbus)		
External Input (1 point)			○		
Wi-Fi			○		

4 WAY CASSETTE (570 X 570)

ARNU05GTRB4 / ARNU07GTRB4
ARNU09GTRB4 / ARNU12GTRB4



Model	Unit	ARNU05GTRB4	ARNU07GTRB4	ARNU09GTRB4	ARNU12GTRB4
Cooling Capacity	kW	1.6	2.2	2.8	3.6
Heating Capacity	kW	1.8	2.5	3.2	4.0
Power Input (H / M / L)	Nominal W	13 / 12 / 11	13 / 12 / 11	14 / 13 / 12	17 / 15 / 13
Dimensions (W x H x D)	Body	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570
	Shipping	667 x 285 x 646	667 x 285 x 646	667 x 285 x 646	667 x 285 x 646
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output x Number	43 x 1	43 x 1	43 x 1	43 x 1
	Air Flow Rate (H / M / L)	75 / 70 / 66	75 / 70 / 66	80 / 75 / 71	87 / 80 / 70
	Motor Type	BLDC	BLDC	BLDC	BLDC
Air Filter		Pre Filter	Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	12.6	13.7	13.7
Sound Pressure Levels (H / M / L)		dB(A)	29 / 27 / 26	30 / 29 / 27	32 / 30 / 27
Sound Power Levels (H / M / L)		dB(A)	45 / 43 / 42	46 / 43 / 42	48 / 46 / 43
Power Supply	Ø, V, Hz		1,220-240, 50	1,220-240, 50	1,220-240, 50
Communication Cable	mm ² x No.		1.0 - 1.5 x 2C	1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-UQC PT-QCHW0	PT-UQC PT-QCHW0	PT-UQC PT-QCHW0
	Exterior Color		Morning Fog	Morning Fog	Morning Fog
	RAL Code		RAL 9001	RAL 9001	RAL 9001
	Net Dimensions (W x H x D)	mm	700 x 22 x 700 620 x 20 x 620	700 x 22 x 700 620 x 20 x 620	700 x 22 x 700 620 x 20 x 620
	Net Weight	kg	3.0 / 3.0	3.0 / 3.0	3.0 / 3.0

Note : 1. Performance tested under EN14511
2. Capacities are based on the following conditions
- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero
- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero
3. Due to our policy of innovation, some specifications may be changed without notification

Accessories

Chassis	ARNU05GTRB4	ARNU07GTRB4	ARNU09GTRB4	ARNU12GTRB4
Drain Pump			○	
Cassette Cover			PTDCQ	
Refrigerant Leakage Detector			PRLDNV50	
EEV Kit			PRGK024A0 (-4.5kW)	
Independent Power Module			PRIP0	
Robot Cleaner			-	
Pre Filter (washable)			○	
Ion Generator			-	
CO₂ Sensor			-	
Ventilation Kit			PTVK430	
IR Receiver			-	
Zone Controller			-	
Dry Contact (with additional accessory)			PDRYCB000 (1 point contact), PDRYCB300 (8 points for thermostat compatible), PDRYCB320 (Universal input ¹⁾), PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 point)			○	
Wi-Fi			PWFMD200	

※ ○ : Applied, - : Not applied
Option : Refer to model name in table
1) Available from April 2020

4 WAY CASSETTE (570 X 570)

ARNU15GTQB4 / ARNU18GTQB4
ARNU21GTQB4



Model	Unit	ARNU15GTQB4	ARNU18GTQB4	ARNU21GTQB4
Cooling Capacity	kW	4.5	5.6	6.0
Heating Capacity	kW	5.0	6.3	6.8
Power Input (H / M / L)	Nominal W	24 / 21 / 18	25 / 22 / 19	28 / 23 / 20
Dimensions (W x H x D)	Body	570 x 256 x 570	570 x 256 x 570	570 x 256 x 570
	Shipping	667 x 327 x 646	667 x 327 x 646	667 x 327 x 646
Fan	Type	Turbo Fan	Turbo Fan	Turbo Fan
	Motor Output x Number	43 x 1	43 x 1	43 x 1
	Air Flow Rate (H / M / L)	110 / 100 / 93	112 / 110 / 100	120 / 111 / 94
	Motor Type	BLDC	BLDC	BLDC
Air Filter		Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	15.0	15.0
Sound Pressure Levels (H / M / L)		dB(A)	36 / 34 / 32	40 / 38 / 34
Sound Power Levels (H / M / L)		dB(A)	50 / 48 / 46	53 / 51 / 46
Power Supply	Ø, V, Hz		1,220-240, 50	1,220-240, 50
Communication Cable	mm ² x No.		1.0 - 1.5 x 2C	1.0 - 1.5 x 2C
Decoration Panel (Accessory)	Model Name		PT-UQC PT-QCHW0	PT-UQC PT-QCHW0
	Exterior Color		Morning Fog	Morning Fog
	RAL Code		RAL 9001	RAL 9001
	Net Dimensions (W x H x D)	mm	700 x 22 x 700 620 x 20 x 620	700 x 22 x 700 620 x 20 x 620
	Net Weight	kg	3.0 / 3.0	3.0 / 3.0

Note : 1. Performance tested under EN14511
2. Capacities are based on the following conditions
- Cooling : Indoor temp. 27°C (80.6°F) DB / 19°C (66.2°F) WB, Outdoor temp. 35°C (95°F) DB / 24°C (75.2°F) WB, Interconnecting piping length 7.5m, Level difference of zero
- Heating : Indoor temp. 20°C (68°F) DB / 15°C (59°F) WB, Outdoor temp. 7°C (44.6°F) DB / 6°C (42.8°F) WB, Interconnecting piping length 7.5m, Level difference of zero
3. Due to our policy of innovation, some specifications may be changed without notification

Accessories

Chassis	ARNU15GTQB4	ARNU18GTQB4	ARNU21GTQB4
Drain Pump			○
Cassette Cover			PTDCQ
Refrigerant Leakage Detector			PRLDNV50
EEV Kit			PRGK024A0 (-4.5kW)
Independent Power Module			PRIP0
Robot Cleaner			-
Pre Filter (washable)			○
Ion Generator			-
CO₂ Sensor			-
Ventilation Kit			PTVK430
IR Receiver			-
Zone Controller			-
Dry Contact (with additional accessory)			PDRYCB000 (1 point contact), PDRYCB300 (8 points for thermostat compatible), PDRYCB320 (Universal input ¹⁾), PDRYCB400 (2 points input), PDRYCB500 (Modbus)
External Input (1 point)			○
Wi-Fi			PWFMD200

※ ○ : Applied, - : Not applied
Option : Refer to model name in table
1) Available from April 2020