

ZRUN040GSSO / ZRUN050GSSO  
ZRUN060GSSO

LG participates in the ECP programme for EUROVENT VRF program. Check ongoing validity of certification - [www.eurovent-certification.com](http://www.eurovent-certification.com)

HP			4	5	6
Model Name			ZRUN040GSSO	ZRUN050GSSO	ZRUN060GSSO
Capacity	Cooling (Rated)	kW	12,1	14,0	15,5
	Heating (Rated)	kW	12,1	14,0	15,5
	Heating (Max)	kW	14,2	16,0	18,0
Input	Cooling (Rated)	kW	3,43	3,33	3,97
	Heating (Rated)	kW	2,30	2,72	3,23
	Heating (Max)	kW	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 <sup>3</sup> /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 × 834 × 330) x 1	(950 × 834 × 330) x 1
Dimensions (W x H x D) - Shipping			mm x No.	(1,147 × 919 × 461) x 1	(1,147 × 919 × 461) x 1
Net Weight			kg x No.	64,7 x 1	71,6 x 1
Shipping Weight			kg x No.	73,7 x 1	79,6 x 1
Sound Pressure Level	Cooling	dB(A)	50	51	52
	Heating	dB(A)	52	53	54
Sound Power Level	Cooling	dB(A)	67	70	71
	Heating	dB(A)	71	74	75
Communication Cable			mm <sup>2</sup> x No. (VCTF-SB)	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 <sub>2</sub> 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
Number of maximum connectable indoor units				8	10

## 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](http://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)

ZRUN040LSSO / ZRUN050LSSO  
ZRUN060LSSO

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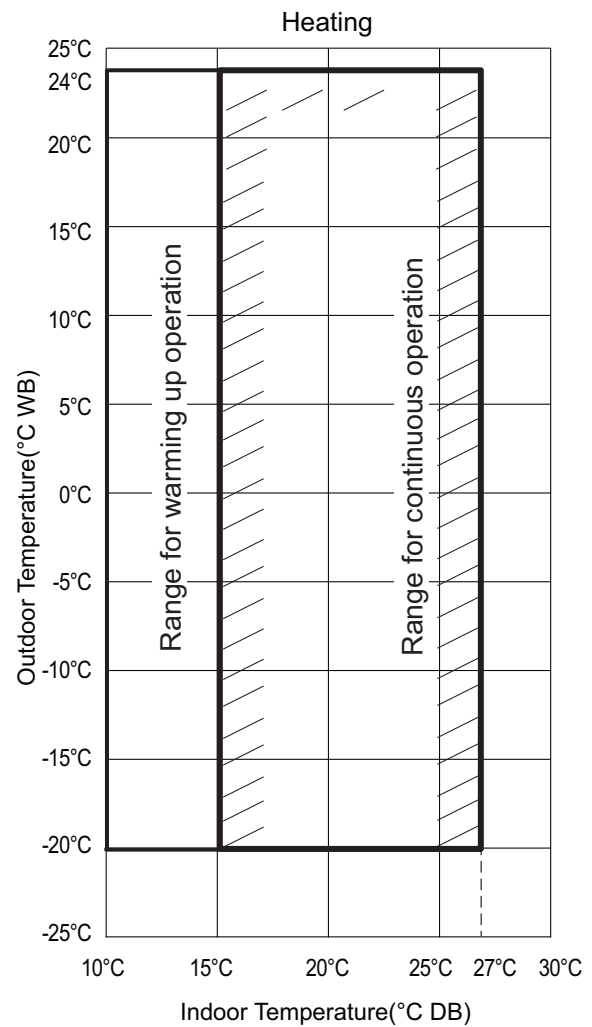
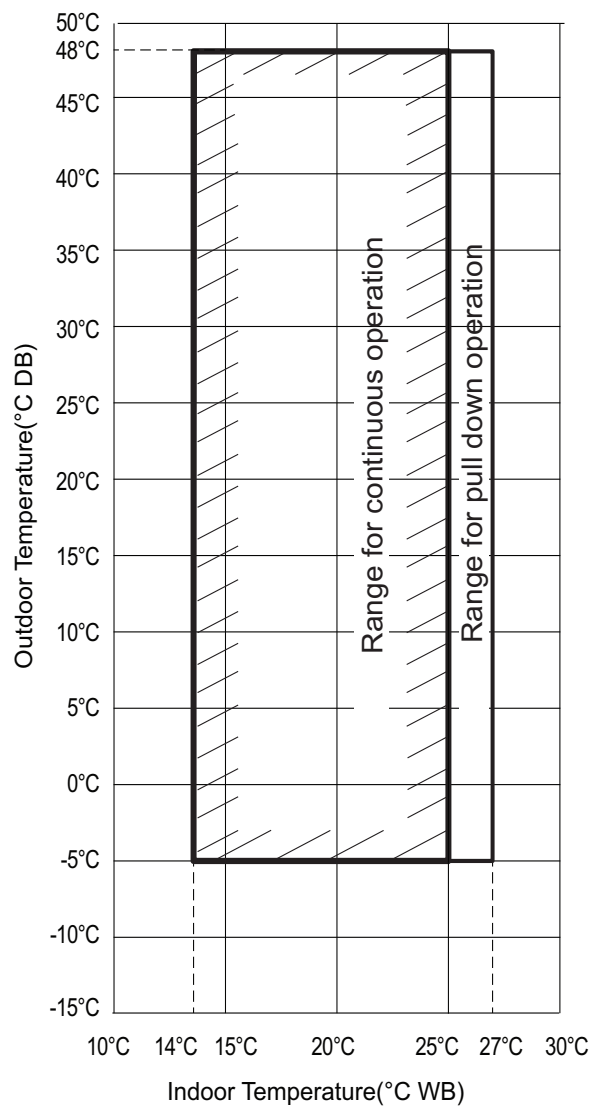
HP			4	5	6
Model Name			ZRUN040LSSO	ZRUN050LSSO	ZRUN060LSSO
Capacity	Cooling (Rated)	kW	12,1	14,0	15,5
	Heating (Rated)	kW	12,1	14,0	15,5
	Heating (Max)	kW	14,2	16,0	18,0
Input	Cooling (Rated)	kW	3,43	3,33	3,97
	Heating (Rated)	kW	2,30	2,72	3,23
	Heating (Max)	kW	2,93	3,48	4,29
EER (Rated)			3,53	4,20	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 <sup>3</sup> /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 × 834 × 330) x 1	(950 × 834 × 330) x 1
Dimensions (W x H x D) - Shipping			mm x No.	(1,147 × 919 × 461) x 1	(1,147 × 919 × 461) x 1
Net Weight			kg x No.	64,7 x 1	71,6 x 1
Shipping Weight			kg x No.	73,7 x 1	79,6 x 1
Sound Pressure Level	Cooling	dB(A)	51	57	57
	Heating	dB(A)	55	60	60
Sound Power Level	Cooling	dB(A)	67	70	71
	Heating	dB(A)	71	74	75
Communication Cable			mm <sup>2</sup> x No. (VCTF-SB)	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 <sub>2</sub> 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
Number of maximum connectable indoor units				8	10

## Note

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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](http://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

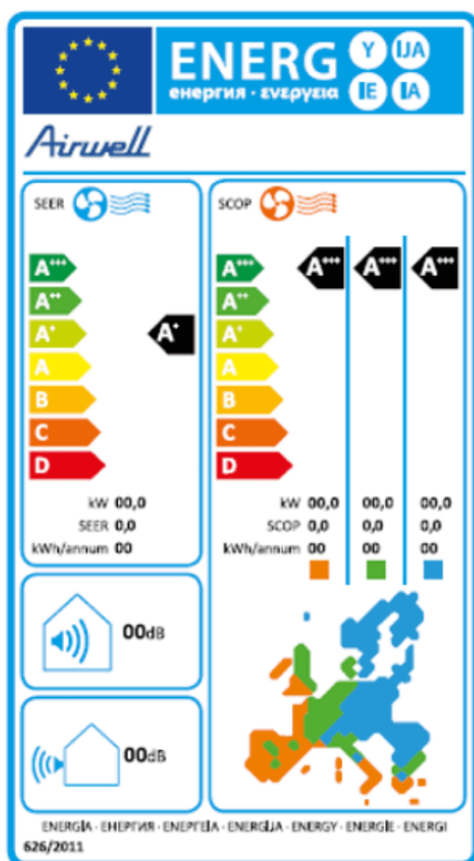


### Note

These figures assume the following operating conditions:

Equivalent piping length: 7.5m

Level difference: 0m



	SEER (Cooling mode)	SCOP (Heating mode)
A <sup>+++</sup>	$SEER \geq 8,50$	$SCOP \geq 5,10$
A <sup>++</sup>	$6,10 \leq SEER < 8,50$	$4,60 \leq SCOP < 5,10$
A <sup>+</sup>	$5,60 \leq SEER < 6,10$	$4,00 \leq SCOP < 4,60$
A	$5,10 \leq SEER < 5,60$	$3,40 \leq SCOP < 4,00$
B	$4,60 \leq SEER < 5,10$	$3,10 \leq SCOP < 3,40$
C	$4,10 \leq SEER < 4,60$	$2,80 \leq SCOP < 3,10$
D	$3,60 \leq SEER < 4,10$	$2,50 \leq SCOP < 2,80$
E	$3,10 \leq SEER < 3,60$	$2,20 \leq SCOP < 2,50$
F	$2,60 \leq SEER < 3,10$	$1,90 \leq SCOP < 2,20$
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	RAL 9016	RAL 9016	RAL 9016	RAL 9016
Dimensions (W x H x D)	Body	mm	818 x 316 x 189	818 x 316 x 189	818 x 316 x 189	818 x 316 x 189	818 x 316 x 189
	Shipping	mm	892 x 381 x 249	892 x 381 x 249	892 x 381 x 249	892 x 381 x 249	892 x 381 x 249
Fan	Type		Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan	Cross Flow Fan
	Motor Output x Number	W x No.	30 x 1	30 x 1	30 x 1	30 x 1	30 x 1
	Air Flow Rate (H / M / L)	m³/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	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)	Ø6.35 (1/4)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø16 (5/8)	Ø16 (5/8)	Ø16 (5/8)	Ø16 (5/8)	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
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	1.0 ~ 1.5 x 2C	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 <sub>2</sub> 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	mm	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570	570 x 214 x 570
	Shipping	mm	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	W	43 x 1	43 x 1	43 x 1	43 x 1
	Air Flow Rate (H / M / L)	m³/min	7.5 / 7.0 / 6.6	7.5 / 7.0 / 6.6	8.0 / 7.5 / 7.1	8.7 / 8.0 / 7.0
	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)	Ø6.35 (1/4)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø12.7 (1/2)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	12.6	12.6	13.7	13.7
Sound Pressure Levels (H / M / L)		dB(A)	29 / 27 / 26	29 / 27 / 26	30 / 29 / 27	32 / 30 / 27
Sound Power Levels (H / M / L)		dB(A)	45 / 43 / 42	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	1,220-240, 50
Communication Cable		mm² x No.	1.0 ~ 1.5 x 2C	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	PT-UQC PT-QCHW0
	Exterior Color		Morning Fog	Morning Fog	Morning Fog	Morning Fog
	RAL Code		RAL 9001	RAL 9001	RAL 9001	RAL 9001
	Net Dimensions (W x H x D)	mm	700 x 22 x700 620 x 20 x 620	700 x 22 x700 620 x 20 x 620	700 x 22 x700 620 x 20 x 620	700 x 22 x700 620 x 20 x 620
	Net Weight	kg	3.0 / 3.0	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		PRIPO		
Robot Cleaner		-		
Pre Filter (washable)		○		
Ion Generator		-		
CO <sub>2</sub> 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 <sup>1)</sup> ), PDRYCB400 (2 points input), PDRYCB500 (Modbus)		
External Input (1 point)		○		
Wi-Fi		PWFMDD200		

※ ○ : 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	mm	570 x 256 x 570	570 x 256 x 570	570 x 256 x 570
	Shipping	mm	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	W	43 x 1	43 x 1	43 x 1
	Air Flow Rate (H / M / L)	m³/min	11.0 / 10.0 / 9.3	11.2 / 11.0 / 10.0	12.0 / 11.1 / 9.4
	Motor Type		BLDC	BLDC	BLDC
Air Filter			Pre Filter	Pre Filter	Pre Filter
Pipe Connections	Liquid Side	mm (inch)	Ø6.35 (1/4)	Ø6.35 (1/4)	Ø9.52 (3/8)
	Gas Side	mm (inch)	Ø12.7 (1/2)	Ø12.7 (1/2)	Ø15.88 (5/8)
	Drain Pipe (Internal Dia.)	mm (inch)	Ø25 (1)	Ø25 (1)	Ø25 (1)
Weight	Body	kg	15.0	15.0	15.0
Sound Pressure Levels (H / M / L)		dB(A)	36 / 34 / 32	37 / 35 / 34	40 / 38 / 34
Sound Power Levels (H / M / L)		dB(A)	50 / 48 / 46	51 / 50 / 46	53 / 51 / 46
Power Supply		Ø, V, Hz	1,220-240, 50	1,220-240, 50	1,220-240, 50
Communication Cable		mm² 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 x700 620 x 20 x 620	700 x 22 x700 620 x 20 x 620	700 x 22 x700 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	ARNU15GTQB4	ARNU18GTQB4	ARNU21GTQB4
Drain Pump		○	
Cassette Cover		PTDCQ	
Refrigerant Leakage Detector		PRLDNV50	
EEV Kit		PRGK024A0 (~4.5kW)	
Independent Power Module		PRIPO	
Robot Cleaner		-	
Pre Filter (washable)		○	
Ion Generator		-	
CO <sub>2</sub> 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 <sup>1)</sup> ), PDRYCB400 (2 points input), PDRYCB500 (Modbus)	
External Input (1 point)		○	
Wi-Fi		PWFMDD200	

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