

# PKA SERIES

The compact, wall-mounted indoor units offer the convenience of simple installation, and a large product line-up (M35-M100 models) ensures a best-match solution. Designed for highly efficient energy savings, the PKA Series is the answer to your air conditioning needs.

R32  
R410A

PKA-M35/50HA(L)



R32  
R410A

PKA-M60/71/100KA(L)



## Wired & Wireless Model

Wired models are newly added in P Series line-up. The diverse selection enables the base solution for both customer and location.



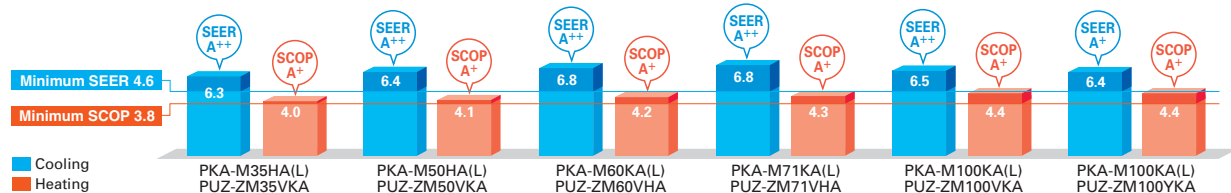
## Flat Panel & Pure White Finish

A flat panel layout has been adopted for all models. Pursuing a design that harmonizes with virtually any interior, the unit colour has been changed from white to pure white.



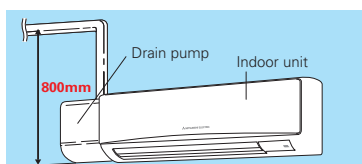
## ErP Lot 10 Compliant with High Energy-efficiency Achieving SEER/SCOP Rank A, A+ and A++

Highly efficient indoor unit heat exchangers and newly designed power inverters (PUHZ-ZM) contribute to an amazing reduction in electricity consumption throughout a year, and have resulted in models in the full-capacity range attaining the rank A, A+ and A++ energy savings rating.



## Drain Pump Option Available with All Models

Installation of the drain pump enables a drain outlet as high as 800mm above the base of the indoor unit. Drain water can be discharged easily even if the surface where the wall-mounted unit does not have direct access outside, increasing the degree of freedom for installation.



## Multi-function Wired Remote Controller

In addition to using the wireless remote controller that comes as standard equipment, PAR-40MAA and PAC-YT52CRA wired remote controllers can be used as well.

\* Connection to PAR-40MAA/PAC-YT52CRA requires PAC-SH29TC-E (optional).

### Main Functions

- Night Setback
- Energy-saving Mode
- Multi Language
- Weekly Timer
- Refrigerant Leak Check

\* For details, please refer to page 183.



## SERIES SELECTION

### Power Inverter Series



#### Indoor Unit

R32  
R410A



PKA-M35/50HA(L)

R32  
R410A



PKA-M60/71/100KA(L)

#### Outdoor Unit

R32

For Single



PUZ-ZM35/50



PUZ-ZM60/71



PUZ-ZM100/125/140

R32

For Multi  
(Twin/Triple/Quadruple)



PUZ-ZM71



PUZ-ZM100/125/140/200/250

#### Remote Controller



Optional (\*)



Optional



Optional (\*)



(\*) PAC-SH29TC-E is required (optional)

**PKA-M HA(L)/KA(L) Indoor Unit Combinations** Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																			
	For Single									For Twin						For Triple			For Quadruple	
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Power Inverter (PUHZ-ZRP)	35x1	50x1	60x1	71x1	100x1	-	-	-	-	35x2	50x2	60x2	71x2	100x2	-	50x3	60x3	71x3	50x4	60x4
Distribution Pipe	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E			MSDD-50WR2-E			MSDT-111R3-E			MSDF-1111R2-E	

## SERIES SELECTION

### Standard Inverter Series



#### Indoor Unit

R32  
R410A



PKA-M35/50HA(L)



PKA-M60/71/100KA(L)

#### Outdoor Unit

R32

For Single



PUZ-M100

R32

For Multi  
(Twin/Triple/Quadruple)



PUZ-M100/125/140



PUZ-M200/250

#### Remote Controller



Optional (\*)



Optional



Optional (\*)



(\*) PAC-SH29TC-E is required (optional)

**PKA-M HA/KA Indoor Unit Combinations** Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																			
	For Single									For Twin						For Triple			For Quadruple	
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250
Standard Inverter (PUHZ-P)	-	-	-	-	100x1	-	-	-	-	-	50x2	60x2	71x2	100x2	-	50x3	60x3	71x3	50x4	60x4
Distribution Pipe	-	-	-	-	-	-	-	-	-	MSDD-50TR2-E			MSDD-50WR2-E			MSDT-111R3-E			MSDF-1111R2-E	

# PKA-M SERIES

## POWER INVERTER



Type			Inverter Heat Pump							
Indoor Unit			PKA-M35HA(L)	PKA-M50HA(L)	PKA-M60KA(L)	PKA-M71KA(L)	PKA-M100KA(L)			
Outdoor Unit			PUZ-ZM35VKA	PUZ-ZM50VKA	PUZ-ZM60VHA	PUZ-ZM71VHA	PUZ-ZM100VKA	PUZ-ZM100YKA		
Refrigerant			R32*1							
Power Supply			Outdoor power supply							
Outdoor (V/Phase/Hz)			VKA • VHA:230 / Single / 50, YKA:400 / Three / 50							
Cooling	Capacity	Rated	kW	3.6	4.6	6.1	7.1	9.5		
		Min - Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.7	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4	
	Total Input	Rated	kW	0.869	1.239	1.560	1.863	2.405	2.405	
		EER		4.14	3.71	3.91	3.81	3.95	3.95	
	EEL Rank			-						
	Design Load		kW	3.6	4.6	6.1	7.1	9.5	9.5	
		Annual Electricity Consumption*2	kWh/a	200	251	313	364	508	519	
	SEER			6.3	6.4	6.8	6.8	6.5	6.4	
		Energy Efficiency Class		A++	A++	A++	A++	A++	A++	
	Heating (Average Season)	Capacity	Rated	kW	4.1	5.0	7.0	8.0	11.2	11.2
Min - Max			kW	1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0	
Total Input		Rated	kW	1.040	1.347	1.732	2.116	3.102	3.102	
		COP		3.94	3.71	4.04	3.78	3.61	3.61	
EEL Rank			-							
Design Load			kW	2.4	3.3	4.4	4.7	7.8	7.8	
		Declared Capacity	at reference design temperature	kW	2.4 (-10°C)	3.3 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)
		at bivalent temperature	kW	2.4 (-10°C)	3.3 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)	
		at operation limit temperature	kW	2.2 (-11°C)	3.2 (-11°C)	2.8 (-20°C)	3.5 (-20°C)	5.8 (-20°C)	5.8 (-20°C)	
Back Up Heating Capacity			kW	0	0	0	0	0	0	
	Annual Electricity Consumption*2	kWh/a	839	1115	1460	1523	2472	2472		
SCOP			4.0	4.1	4.2	4.3	4.4	4.4		
	Energy Efficiency Class		A+	A+	A+	A+	A+	A+		
Operating Current (max)			A							
Indoor Unit	Input	Rated	kW	0.04 / 0.03	0.04 / 0.03	0.06 / 0.05	0.06 / 0.05	0.08 / 0.07	0.08 / 0.07	
		Operating Current (max)	A	0.40	0.40	0.43	0.43	0.57	0.57	
	Dimensions <Panel> H x W x D			mm						
	Weight <Panel>		kg	13	295 - 898 - 249	13	21	365 - 1170 - 295	21	21
	Air Volume [Lo-Mid-Hi]		m <sup>3</sup> /min	9 - 10.5 - 12	9 - 10.5 - 12	18 - 20 - 22	18 - 20 - 22	20 - 23 - 26	20 - 23 - 26	
		Sound Level (SPL) [Lo-Mid-Hi]		dB(A)	36 - 40 - 43	36 - 40 - 43	39 - 42 - 45	39 - 42 - 45	41 - 45 - 49	41 - 45 - 49
	Sound Level (PWL)		dB(A)	60	60	64	64	65	65	
		Operating Current (max)		A	16	16	19.0	19.0	26.5	8.0
	Outdoor Unit	Dimensions H x W x D			mm					
		Weight		kg	46	46	70	70	116	123
Air Volume		Cooling	m <sup>3</sup> /min	45	45	55	55	110	110	
		Heating	m <sup>3</sup> /min	45	45	55	55	110	110	
Sound Level (SPL)		Cooling	dB(A)	44	44	47	47	49	49	
		Heating	dB(A)	46	46	49	49	51	51	
Sound Level (PWL)		Cooling	dB(A)	65	65	67	67	69	69	
		Operating Current (max)		A	13.0	13.0	19.0	19.0	26.5	8.0
Ext. Piping		Breaker Size		A	16	16	25	25	32	16
		Diameter	Liquid / Gas	mm	6.35 / 12.7	6.35 / 12.7	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88	9.52 / 15.88
Max. Length	Out-In	m	50	50	55	55	100	100		
	Max. Height	Out-In	m	30	30	30	30	30	30	
Guaranteed Operating Range [Outdoor]	Cooling*3	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46		
	Heating	°C	-11 ~ +21	-11 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21		

\*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP. If leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.  
 \*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.  
 \*3 Optional air protection guide is required where ambient temperature is lower than -5°C.

# PKA-M SERIES

## STANDARD INVERTER



Type			Inverter Heat Pump							
Indoor Unit			PKA-M100KA(L)							
Outdoor Unit			PUZ-M100VKA				PUZ-M100YKA			
Refrigerant			R32*1							
Power Supply			Outdoor power supply							
Outdoor (V/Phase/Hz)			230 / Single / 50			400 / Three / 50				
Cooling	Capacity	Rated	kW	9.5			9.5			
		Min - Max	kW	4.0 - 10.6			4.0 - 10.6			
	Total Input	Rated	kW	2.94			2.94			
		EER		3.23			3.23			
	EEL Rank			-						
	Design Load		kW	9.5			9.5			
		Annual Electricity Consumption*2	kWh/a	572			572			
	SEER			5.8			5.8			
		Energy Efficiency Class		A+			A+			
	Heating (Average Season)	Capacity	Rated	kW	11.2			11.2		
Min - Max			kW	2.8 - 12.5			2.8 - 12.5			
Total Input		Rated	kW	3.28			3.28			
		COP		3.41			3.41			
EEL Rank			-							
Design Load			kW	8.0			8.0			
		Declared Capacity	at reference design temperature	kW	6.0 (-10°C)			6.0 (-10°C)		
		at bivalent temperature	kW	7.0 (-7°C)			7.0 (-7°C)			
		at operation limit temperature	kW	4.5 (-15°C)			4.5 (-15°C)			
Back Up Heating Capacity			kW	2.0			2.0			
	Annual Electricity Consumption*2	kWh/a	2797			2797				
SCOP			4.0			4.0				
	Energy Efficiency Class		A+			A+				
Operating Current (max)			A							
Indoor Unit	Input	Rated	kW	0.08			0.08			
		Operating Current (max)	A	0.57			0.57			
	Dimensions <Panel> H x W x D			mm						
	Weight <Panel>		kg	365 - 1170 - 295			365 - 1170 - 295			
	Air Volume [Lo-Mid-Hi]		m <sup>3</sup> /min	20 - 23 - 26			20 - 23 - 26			
		Sound Level (SPL) [Lo-Mid-Hi]		dB(A)	41 - 45 - 49			41 - 45 - 49		
	Sound Level (PWL)		dB(A)	65			65			
		Operating Current (max)		A	20.0			11.5		
	Ext. Piping	Breaker Size		A	32			16		
		Diameter	Liquid / Gas	mm	9.52 / 15.88			9.52 / 15.88		
Max. Length	Out-In	m	55			55				
	Max. Height	Out-In	m	30			30			
Guaranteed Operating Range [Outdoor]	Cooling*3	°C	-15 ~ +46			-15 ~ +46				
	Heating	°C	-15 ~ +21			-15 ~ +21				

\*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP. If leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 550. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 550 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. The GWP of R32 is 675 in the IPCC 4th Assessment Report.  
 \*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.  
 \*3 Optional air protection guide is required where ambient temperature is lower than -5°C.

## SERIES SELECTION

**SERIES SELECTION**

**Power Inverter Series**

**Indoor Unit**

**R32**  
**R410A**

PKA-M35/50HA(L)

PKA-M60/71/100KA(L)

**Outdoor Unit**

**R410A**

For Single

PUHZ-ZRP35/50      PUHZ-ZRP60/71      PUHZ-ZRP100

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**R410A**

For Multi  
(Twin/Triple/Quadruple)

PUHZ-ZRP71      PUHZ-ZRP100/125/140/200/250

**Remote Controller**

Optional (\*)      Optional      Optional (\*)

**Standard Inverter Series**

**Indoor Unit**

**R32**  
**R410A**

PKA-M35/50HA(L)

PKA-M60/71/100KA(L)

**Outdoor Unit**

**R410A**

For Single

PUHZ-P100

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**R410A**

For Multi  
(Twin/Triple/Quadruple)

PUHZ-P100/125/140      PUHZ-P200/250

**Remote Controller**

Optional (\*)      Optional      Optional (\*)

(\*) PAC-SH29TC-E is required (optional)

**PKA-M HA/KA Indoor Unit Combinations** Indoor unit combinations shown below are possible.

Indoor Unit Combination	Outdoor Unit Capacity																					
	For Single									For Twin						For Triple			For Quadruple			
	35	50	60	71	100	125	140	200	250	71	100	125	140	200	250	140	200	250	200	250		
Power Inverter (PUHZ-ZRP)	35x1	50x1	60x1	71x1	100x1	-	-	-	-	35x2	50x2	60x2	71x2	100x2	-	50x3	60x3	71x3	50x4	60x4		
Distribution Pipe	-	-	-	-	-	-	-	-	-	MSDD-50TR-E						MSDD-50WR-E	-	MSDT-111R-E			MSDF-1111R-E	
Standard Inverter (PUHZ-P)	-	-	-	-	100x1	-	-	-	-	-	50x2	60x2	71x2	100x2	-	50x3	60x3	71x3	50x4	60x4		
Distribution Pipe	-	-	-	-	-	-	-	-	-	-	MSDD-50TR-E						MSDD-50WR-E	-	MSDT-111R-E			MSDF-1111R-E

# PKA-M SERIES

## POWER INVERTER

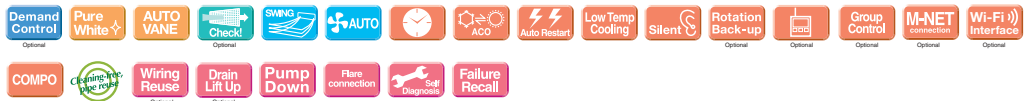


Type			Inverter Heat Pump								
Indoor Unit			PKA-M35HA(L)	PKA-M50HA(L)	PKA-M60KA(L)	PKA-M71KA(L)	PKA-M100KA(L)				
Outdoor Unit			PUHZ-ZRP35VKA2	PUHZ-ZRP50VKA2	PUHZ-ZRP60VHA2	PUHZ-ZRP71VHA2	PUHZ-ZRP100VKA3	PUHZ-ZRP100YKA3			
Refrigerant			R410A*1								
Power Supply			Outdoor power supply								
Source			VKA • VHA:230 / Single / 50, YKA:400 / Three / 50								
Outdoor (V/Phase/Hz)											
Cooling	Capacity	Rated	kW	3.6	4.6	6.1	7.1	9.5	9.5		
		Min - Max	kW	1.6 - 4.5	2.3 - 5.6	2.7 - 6.7	3.3 - 8.1	4.9 - 11.4	4.9 - 11.4		
	Total Input	Rated	kW	0.94	1.41	1.60	1.80	2.40	2.40		
		EER		3.83	3.26	3.81	3.94	3.96	3.96		
	EEL Rank										
	Design Load			kW	3.6	4.6	6.1	7.1	9.5		
	Annual Electricity Consumption*2			kWh/a	214	296	324	368	522	533	
	SEER				5.9	5.4	6.5	6.7	6.3	6.2	
	Energy Efficiency Class				A+	A	A++	A++	A++	A++	
	Heating (Average Season)			kW	4.1	5.0	7.0	8.0	11.2	11.2	
Heating	Capacity	Rated	kW	1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0		
		Min - Max	kW	1.6 - 5.2	2.5 - 7.3	2.8 - 8.2	3.5 - 10.2	4.5 - 14.0	4.5 - 14.0		
	Total Input	Rated	kW	1.07	1.50	1.96	2.19	3.04	3.04		
		COP		3.83	3.33	3.57	3.65	3.68	3.68		
	EEL Rank										
	Design Load			kW	2.4	3.3	4.4	4.7	7.8	7.8	
	Declared Capacity			at reference design temperature	kW	2.4 (-10°C)	3.3 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)
				at bivalent temperature	kW	2.4 (-10°C)	3.3 (-10°C)	4.4 (-10°C)	4.7 (-10°C)	7.8 (-10°C)	7.8 (-10°C)
				at operation limit temperature	kW	2.2 (-11°C)	3.2 (-11°C)	2.8 (-20°C)	3.5 (-20°C)	5.8 (-20°C)	5.8 (-20°C)
	Back Up Heating Capacity			kW	0	0	0	0	0	0	
Annual Electricity Consumption*2			kWh/a	847	1160	1473	1532	2608	2608		
SCOP				3.9	4.0	4.2	4.3	4.1	4.1		
Energy Efficiency Class				A	A+	A+	A+	A+	A+		
Operating Current (max)			A	13.4	13.4	19.4	19.4	27.1	8.6		
Indoor Unit	Input	Rated	kW	0.04	0.04	0.06	0.06	0.08	0.08		
		Operating Current (max)	A	0.4	0.4	0.43	0.43	0.57	0.57		
	Dimensions <Panel>			H x W x D	mm	295 - 898 - 249	365 - 1170 - 295	21	21		
	Weight <Panel>			kg	13	13	21	21	21		
	Air Volume (Lo-Mid-Hi)			m³/min	9 - 10.5 - 12	9 - 10.5 - 12	18 - 20 - 22	18 - 20 - 22	20 - 23 - 26	20 - 23 - 26	
	Sound Level (SPL) (Lo-Mid-Hi)			dB(A)	36 - 40 - 43	36 - 40 - 43	39 - 42 - 45	39 - 42 - 45	41 - 45 - 49	41 - 45 - 49	
	Sound Level (PWL)			dB(A)	60	60	64	64	65	65	
	Outdoor Unit	Dimensions			H x W x D	mm	630 - 809 - 300	943 - 950 - 330 (+30)	1338 - 1050 - 330 (+40)		
		Weight			kg	43	46	70	70	116	123
		Air Volume	Cooling	m³/min	45	45	55	55	110	110	
Heating			m³/min	45	45	55	55	110	110		
Sound Level (SPL)		Cooling	dB(A)	44	44	47	47	49	49		
		Heating	dB(A)	46	46	48	48	51	51		
Sound Level (PWL)		Cooling	dB(A)	65	65	67	67	69	69		
		Heating	dB(A)	65	65	67	67	69	69		
Operating Current (max)			A	13.0	13.0	19.0	19.0	26.5	8.0		
Breaker Size			A	16	16	25	25	32	16		
Ext. Piping	Diameter			Liquid / Gas	mm	6.35 / 12.7	6.35 / 12.7	9.52 / 15.88	9.52 / 15.88		
	Max. Length			Out-In	m	50	50	75	75		
	Max. Height			Out-In	m	30	30	30	30		
Guaranteed Operating Range (Outdoor)			Cooling*3	°C	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46	-15 ~ +46		
			Heating	°C	-11 ~ +21	-11 ~ +21	-20 ~ +21	-20 ~ +21	-20 ~ +21		

\*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.  
 The GWP of R410A is 2088 in the IPCC 4th Assessment Report.  
 \*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.  
 \*3 Optional air protection guide is required where ambient temperature is lower than -5°C.

# PKA-M SERIES

## STANDARD INVERTER



Type			Inverter Heat Pump									
Indoor Unit			PKA-M100KA(L)									
Outdoor Unit			PUHZ-P100VKA				PUHZ-P100YKA					
Refrigerant			R410A*1									
Power Supply			Outdoor power supply									
Source			230 / Single / 50									
Outdoor (V/Phase/Hz)			400 / Three / 50									
Cooling	Capacity	Rated	kW	9.4			9.4					
		Min - Max	kW	3.7 - 10.6			3.7 - 10.6					
	Total Input	Rated	kW	3.12			3.12					
		EER		3.01			3.01					
	EEL Rank				A+			A+				
	Design Load			kW	9.4			9.4				
	Annual Electricity Consumption*2			kWh/a	586			586				
	SEER				5.6			5.6				
	Energy Efficiency Class				A+			A+				
	Heating (Average Season)	Capacity	Rated	kW	11.2			11.2				
Min - Max			kW	2.8 - 12.5			2.8 - 12.5					
Total Input		Rated	kW	3.48			3.48					
		COP		3.21			3.21					
EEL Rank				A+			A+					
Design Load			kW	8.0			8.0					
Declared Capacity			at reference design temperature	kW	6.0 (-10°C)			6.0 (-10°C)				
			at bivalent temperature	kW	7.0 (-7°C)			7.0 (-7°C)				
			at operation limit temperature	kW	4.5 (-15°C)			4.5 (-15°C)				
Back Up Heating Capacity			kW	2.0			2.0					
Annual Electricity Consumption*2			kWh/a	2795			2795					
SCOP				4.0			4.0					
Energy Efficiency Class				A+			A+					
Operating Current (max)			A	20.6			12.1					
Indoor Unit	Input	Rated	kW	0.08			0.08					
		Operating Current (max)	A	0.57			0.57					
	Dimensions <Panel>			H x W x D	mm	365 - 1170 - 295			21			
	Weight <Panel>			kg	21			21				
	Air Volume (Lo-Mid-Hi)			m³/min	20 - 23 - 26			20 - 23 - 26				
	Sound Level (SPL) (Lo-Mid-Hi)			dB(A)	41 - 45 - 49			41 - 45 - 49				
	Sound Level (PWL)			dB(A)	65			65				
	Outdoor Unit	Dimensions			H x W x D	mm	981 - 1050 - 330			78		
		Weight			kg	76			78			
		Air Volume	Cooling	m³/min	79			79				
Heating			m³/min	79			79					
Sound Level (SPL)		Cooling	dB(A)	51			51					
		Heating	dB(A)	54			54					
Sound Level (PWL)		Cooling	dB(A)	70			70					
		Heating	dB(A)	70			70					
Operating Current (max)			A	20.0			11.5					
Breaker Size			A	32			16					
Ext. Piping	Diameter			Liquid / Gas	mm	9.52 / 15.88			9.52 / 15.88			
	Max. Length			Out-In	m	50			50			
	Max. Height			Out-In	m	30			30			
Guaranteed Operating Range (Outdoor)			Cooling*3	°C	-15 ~ +46			-15 ~ +46				
			Heating	°C	-15 ~ +21			-15 ~ +21				

\*1 Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to 1975. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 1975 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.  
 The GWP of R410A is 2088 in the IPCC 4th Assessment Report.  
 \*2 Energy consumption based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.  
 \*3 Optional air protection guide is required where ambient temperature is lower than -5°C.