

1. SPECIFICATIONS

Outdoor units

Model			PURY-P800YSNW-A (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW	90.0
		kcal/h	77,400
		BTU/h	307,100
	Power input	kW	23.93
	Current input	A	40.3-38.3-36.9
	EER	kW/kW	3.76
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C (59~75°F)
	Outdoor	D.B.	-5.0~52.0°C (23~126°F)
Heating capacity (Max)	*2	kW	100.0
		kcal/h	86,000
		BTU/h	341,200
	Power input	kW	28.16
	Current input	A	47.5-45.1-43.5
	COP	kW/kW	3.55
	(Nominal)	*3	kW
kcal/h			77,400
BTU/h			307,100
Power input		kW	21.22
Current input		A	35.8-34.0-32.8
COP	kW/kW	4.24	
Temp. range of heating	Indoor	D.B.	15.0~27.0°C (59~81°F)
	Outdoor	W.B.	-20.0~15.5°C (-4~60°F)
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity
	Model/Quantity		P15-P250/2~50
Sound pressure level (measured in anechoic room) *4		dB <A>	68.0/72.0
Sound power level (measured in anechoic room) *4		dB <A>	86.0/91.0
Refrigerant piping diameter	High pressure	mm (in.)	28.58 (1-1/8) Brazed
	Low pressure	mm (in.)	34.93 (1-3/8) Brazed

Set Model			Model	
			PURY-P400YNW-A (-BS)	PURY-P400YNW-A (-BS)
FAN	Type x Quantity		Propeller fan x 2	
	Air flow rate	m ³ /min	315	
		L/s	5,250	
		cfm	11,123	
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.46 x 2	
	*5	External static press.		0 Pa (0 mmH ₂ O)
Compressor	Type		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	
	Motor output	kW	10.9	
	Case heater	kW	-	
	Lubricant		MEL32	
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		mm	1,858 (1,798 without legs) x 1,240 x 740	
		in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection	
	Compressor		-	
	Fan motor		-	
Refrigerant	Type x original charge		R410A x 8.0 kg (18 lbs)	
	Control		Indoor LEV and BC controller	
Net weight		kg (lbs)	273 (602)	
Heat exchanger			Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-	
Pipe between unit and distributor	High pressure	mm (in.)	22.2 (7/8) Brazed	
	Low pressure	mm (in.)	28.58 (1-1/8) Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKS94T753	
	Wiring		WKE94G341	
Standard attachment	Document		Installation Manual	
	Accessory		-	
Optional parts			Outdoor Twinning kit: CMY-R200VBK4 Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P108,1012,1016V-JA,CMB-P1016V-KA Sub BC controller: CMB-P104, 108V-KB	
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice.	

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°CDB./19°CWB. (81°FDB./66°FWB.), Outdoor: 35°CDB./24°CWB. (95°FDB./75°FWB.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°CDB. (68°FDB.), Outdoor: 7°CDB./6°CWB. (45°FDB./43°FWB.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°CDB. (68°FDB.), Outdoor: 7°CDB./6°CWB. (45°FDB./43°FWB.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Eurovent registered
- Cooling mode/Heating mode
- External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).
Consult your dealer about the specification when setting External static pressure option.

Unit converter

BTU/h	=kW x 3,412
cfm	=m ³ /min x 35.31
lbs	=kg/0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Outdoor units

Model			PURY-P850YSNW-A (-BS)	
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	96.0	
		kcal/h	82,600	
		BTU/h	327,600	
	Power input	kW	24.99	
	Current input	A	42.1-40.0-38.6	
	EER	kW/kW	3.84	
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C (59~75°F)	
	Outdoor	D.B.	-5.0~52.0°C (23~126°F)	
Heating capacity (Max)	*2	kW	108.0	
		kcal/h	92,900	
		BTU/h	368,500	
	Power input	kW	28.49	
	Current input	A	48.0-45.6-44.0	
	COP	kW/kW	3.79	
(Nominal)	*3	kW	96.0	
		kcal/h	82,600	
		BTU/h	327,600	
	Power input	kW	22.11	
	Current input	A	37.3-35.4-34.1	
	COP	kW/kW	4.34	
Temp. range of heating	Indoor	D.B.	15.0~27.0°C (59~81°F)	
	Outdoor	W.B.	-20.0~15.5°C (-4~60°F)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity	
	Model/Quantity		P15-P250/2~50	
Sound pressure level (measured in anechoic room) *4		dB <A>	68.5/72.5	
Sound power level (measured in anechoic room) *4		dB <A>	86.0/91.5	
Refrigerant piping diameter	High pressure	mm (in.)	28.58 (1-1/8) Brazed	
	Low pressure	mm (in.)	41.28 (1-5/8) Brazed	

Set Model			PURY-P400YNW-A (-BS)		PURY-P450YNW-A (-BS)	
Model			Propeller fan x 2		Propeller fan x 2	
FAN	Type x Quantity		315		315	
	Air flow rate	m ³ /min	5,250		5,250	
		L/s	11,123		11,123	
		cfm				
	Control, Driving mechanism		Inverter-control, Direct-driven by motor		Inverter-control, Direct-driven by motor	
	Motor output	kW	0.46 x 2		0.46 x 2	
*5 External static press.			0 Pa (0 mmH ₂ O)		0 Pa (0 mmH ₂ O)	
Compressor	Type		Inverter scroll hermetic compressor		Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter		Inverter	
	Motor output	kW	10.9		12.4	
	Case heater	kW	-		-	
	Lubricant	MEL32		MEL32		
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		mm	1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16		1,858 (1,798 without legs) x 1,240 x 740 73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection		Over-heat protection, Over-current protection	
	Compressor		-		-	
	Fan motor		-		-	
Refrigerant	Type x original charge		R410A x 8.0 kg (18 lbs)		R410A x 10.8 kg (24 lbs)	
	Control		Indoor LEV and BC controller			
Net weight		kg (lbs)	273 (602)		293 (646)	
Heat exchanger			Salt-resistant cross fin & copper tube		Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-		-	
Pipe between unit and distributor	High pressure	mm (in.)	22.2 (7/8) Brazed		22.2 (7/8) Brazed	
	Low pressure	mm (in.)	28.58 (1-1/8) Brazed		28.58 (1-1/8) Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)			
Drawing	External		WKS94T753			
	Wiring		WKE94G341		WKE94G341	
Standard attachment	Document		Installation Manual			
	Accessory		-			
Optional parts			Outdoor Twinning kit: CMY-R200VBK4 Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 Main BC controller: CMB-P108, 1012, 1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104, 108V-KB			
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice.			

PURY-P-Y(S)NW-A

Notes:		Unit converter	
1. Nominal cooling conditions (subject to JIS B8615-2)		BTU/h =kW x 3,412	
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)		cfm =m ³ /min x 35.31	
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)		lbs =kg/0.4536	
2. Nominal heating conditions (subject to JIS B8615-2)			
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)			
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)			
3. Nominal heating conditions (subject to JIS B8615-2)			
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)			
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)			
Eurovent registered			
4. Cooling mode/Heating mode			
5. External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH ₂ O, 6.1 mmH ₂ O, 8.2 mmH ₂ O).			
Consult your dealer about the specification when setting External static pressure option.		*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

Outdoor units

Model			PURY-P1000YSNW-A (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW	113.0
		kcal/h	97,200
		BTU/h	385,600
	Power input	kW	26.45
		A	44.6-42.4-40.8
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C (59~75°F)
	Outdoor	D.B.	-5.0~52.0°C (23~126°F)
Heating capacity (Max)	*2	kW	127.0
		kcal/h	109,200
		BTU/h	433,300
	Power input	kW	31.74
		A	53.5-50.9-49.0
(Nominal)	*3	kW	113.0
		kcal/h	97,200
		BTU/h	385,600
	Power input	kW	25.16
		A	42.4-40.3-38.8
Temp. range of heating	Indoor	D.B.	15.0~27.0°C (59~81°F)
	Outdoor	W.B.	-20.0~15.5°C (-4~60°F)
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity
	Model/Quantity		P15~P250/2~50
Sound pressure level (measured in anechoic room) *4			66.5/67.5
Sound power level (measured in anechoic room) *4			85.0/87.0
Refrigerant	High pressure	mm (in.)	28.58 (1-1/8) Braze
piping diameter	Low pressure	mm (in.)	41.28 (1-5/8) Braze

Set Model			PURY-P500YNW-A (-BS)	PURY-P500YNW-A (-BS)
Model			Propeller fan x 2	Propeller fan x 2
FAN	Type x Quantity		295	295
	Air flow rate	m³/min	4,917	4,917
		L/s	10,416	10,416
		cfm		
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
Motor output	kW	0.92 x 2	0.92 x 2	
*5 External static press.		0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)	
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter
	Motor output	kW	13.0	13.0
	Case heater	kW	-	-
	Lubricant		MEL32	MEL32
External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		mm	1,858 (1,798 without legs) x 1,750 x 740	
		in.	73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16	
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor		-	-
	Fan motor		-	-
Refrigerant	Type x original charge		R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)
	Control		Indoor LEV and BC controller	
Net weight	kg (lbs)		337 (743)	337 (743)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-	-
Pipe between unit and distributor	High pressure	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed
	Low pressure	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKS94T755	
	Wiring		WKE94G342	WKE94G342
Standard attachment	Document		Installation Manual	
	Accessory		-	
Optional parts			Outdoor Twinning kit: CMY-R200VBK4 Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P1016V-KA Sub BC controller: CMB-P104, 108V-KB	
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice.	

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°CDB./19°CWB. (81°FDB./66°FWB.), Outdoor: 35°CDB./24°CWB. (95°FDB./75°FWB.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°CDB. (68°FDB.), Outdoor: 7°CDB./6°CWB. (45°FDB./43°FWB.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°CDB. (68°FDB.), Outdoor: 7°CDB./6°CWB. (45°FDB./43°FWB.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
Eurovent registered
- Cooling mode/Heating mode
- External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).
Consult your dealer about the specification when setting External static pressure option.

Unit converter

BTU/h	=kW x 3,412
cfm	=m ³ /min x 35.31
lbs	=kg/0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Outdoor units

Model			PURY-P1050YSNW-A (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW	118.0
		kcal/h	101,500
		BTU/h	402,600
		Power input	29.20
	Current input		49.2-46.8-45.1
	EER		4.04
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C (59~75°F)
	Outdoor	D.B.	-5.0~52.0°C (23~126°F)
Heating capacity (Max)	*2	kW	132.0
		kcal/h	113,500
		BTU/h	450,400
		Power input	34.10
	Current input		57.5-54.6-52.7
	COP		3.87
	(Nominal) *3	kW	118.0
		kcal/h	101,500
		BTU/h	402,600
		Power input	27.05
	Current input		45.6-43.3-41.8
	COP		4.36
Temp. range of heating	Indoor	D.B.	15.0~27.0°C (59~81°F)
	Outdoor	W.B.	-20.0~15.5°C (-4~60°F)
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity
	Model/Quantity		P15~P250/3~50
Sound pressure level (measured in anechoic room) *4		dB <A>	68.0/73.0
Sound power level (measured in anechoic room) *4		dB <A>	86.0/92.0
Refrigerant piping diameter	High pressure		34.93 (1-3/8) Brazed
	Low pressure		41.28 (1-5/8) Brazed

Set Model				PURY-P500YNW-A (-BS)	PURY-P550YNW-A (-BS)
Model				Propeller fan x 2	Propeller fan x 2
FAN	Type x Quantity		295	410	
	Air flow rate	m³/min	4,917	6,833	
		L/s	10,416	14,477	
		cfm			
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	
	Motor output		0.92 x 2	0.92 x 2	
*5	External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	
	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	Inverter	
	Motor output		13.0	14.3	
	Case heater		-	-	
Compressor	Lubricant		MEL32	MEL32	
	External finish		Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
	External dimension H x W x D		1,858 (1,798 without legs) x 1,750 x 740 73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16	1,858 (1,798 without legs) x 1,750 x 740 73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16	
	Protection devices	High pressure protection	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	
		Inverter circuit (COMP./FAN)	Over-heat protection, Over-current protection	Over-heat protection, Over-current protection	
		Compressor	-	-	
Fan motor		-	-		
Refrigerant	Type x original charge		R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)	
	Control		Indoor LEV and BC controller		
Net weight		kg (lbs)	337 (743)	337 (743)	
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	
HIC circuit (HIC: Heat Inter-Changer)			-	-	
Pipe between unit and distributor	High pressure	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed	
	Low pressure	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed	
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)		
Drawing	External		WKS94T755		
	Wiring		WKE94G342	WKE94G342	
Standard attachment	Document		Installation Manual		
	Accessory		-		
Optional parts			Outdoor Twinning kit: CMY-R200VBK4 Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P1016V-KA Sub BC controller: CMB-P104, 108V-KB		
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice.		

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°C D.B./19°C W.B. (81°F D.B./66°F W.B.), Outdoor: 35°C D.B./24°C W.B. (95°F D.B./75°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°C D.B. (68°F D.B.), Outdoor: 7°C D.B./6°C W.B. (45°F D.B./43°F W.B.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
Eurovent registered
- Cooling mode/Heating mode
- External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).
Consult your dealer about the specification when setting External static pressure option.

Unit converter	
BTU/h	=kW x 3.412
cfm	=m ³ /min x 35.31
lbs	=kg/0.4536
*Above specification data is subject to rounding variation.	

1. SPECIFICATIONS

Outdoor units

Model			PURY-P1100YSNW-A (-BS)	
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	
Cooling capacity (Nominal)	*1	kW	124.0	
		kcal/h	106,600	
		BTU/h	423,100	
	Power input	kW	32.54	
	Current input	A	54.9-52.1-50.2	
	EER	kW/kW	3.81	
Temp. range of cooling	Indoor	W.B.	15.0~24.0°C (59~75°F)	
	Outdoor	D.B.	-5.0~52.0°C (23~126°F)	
Heating capacity (Max)	*2	kW	140.0	
		kcal/h	120,400	
		BTU/h	477,700	
	Power input	kW	37.52	
	Current input	A	63.3-60.1-57.9	
	COP	kW/kW	3.73	
(Nominal)	*3	kW	124.0	
		kcal/h	106,600	
		BTU/h	423,100	
	Power input	kW	29.30	
	Current input	A	49.4-46.9-45.2	
	COP	kW/kW	4.23	
Temp. range of heating	Indoor	D.B.	15.0~27.0°C (59~81°F)	
	Outdoor	W.B.	-20.0~15.5°C (-4~60°F)	
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity	
	Model/Quantity		P15~P250/3~50	
Sound pressure level (measured in anechoic room) *4		dB <A>	69.0/73.0	
Sound power level (measured in anechoic room) *4		dB <A>	86.5/92.0	
Refrigerant piping diameter	High pressure	mm (in.)	34.93 (1-3/8) Brazed	
	Low pressure	mm (in.)	41.28 (1-5/8) Brazed	

Set Model			PURY-P550YNW-A (-BS)	PURY-P550YNW-A (-BS)
Model			Propeller fan x 2	Propeller fan x 2
FAN	Type x Quantity		410	410
	Air flow rate	m ³ /min	6,833	6,833
		L/s	14,477	14,477
		cfm		
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92 x 2	0.92 x 2
*5 External static press.			0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Manufacture		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	AC&R Works, MITSUBISHI ELECTRIC CORPORATION
	Starting method		Inverter	Inverter
	Motor output	kW	14.3	14.3
	Case heater	kW	-	-
	Lubricant		MEL32	MEL32
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1>
External dimension H x W x D		mm	1,858 (1,798 without legs) x 1,750 x 740	1,858 (1,798 without legs) x 1,750 x 740
		in.	73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16	73-3/16 (70-13/16 without legs) x 68-15/16 x 29-3/16
Protection devices	High pressure protection		High pressure sensor, High pressure switch at 4.15 MPa (601 psi)	High pressure sensor, High pressure switch at 4.15 MPa (601 psi)
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection	Over-heat protection, Over-current protection
	Compressor		-	-
	Fan motor		-	-
Refrigerant	Type x original charge		R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)
	Control		Indoor LEV and BC controller	
Net weight		kg (lbs)	337 (743)	337 (743)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
HIC circuit (HIC: Heat Inter-Changer)			-	-
Pipe between unit and distributor	High pressure	mm (in.)	22.2 (7/8) Brazed	22.2 (7/8) Brazed
	Low pressure	mm (in.)	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
Defrosting method			Auto-defrost mode (Reversed refrigerant cycle)	
Drawing	External		WKS94T755	
	Wiring		WKE94G342	WKE94G342
Standard attachment	Document		Installation Manual	
	Accessory		-	
Optional parts			Outdoor Twinning kit: CMY-R200VBK4 Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 Main BC controller: CMB-P1016V-KA Sub BC controller: CMB-P104, 108V-KB	
Remarks			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual. Due to continuing improvement, above specifications may be subject to change without notice.	

Notes:

- Nominal cooling conditions (subject to JIS B8615-2)
Indoor: 27°CDB./19°CWB. (81°FDB./66°FWB.), Outdoor: 35°CDB./24°CWB. (95°FDB./75°FWB.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°CDB. (68°FDB.), Outdoor: 7°CDB./6°CWB. (45°FDB./43°FWB.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
- Nominal heating conditions (subject to JIS B8615-2)
Indoor: 20°CDB. (68°FDB.), Outdoor: 7°CDB./6°CWB. (45°FDB./43°FWB.)
Pipe length: 7.5 m (24-9/16 ft.), Level difference: 0 m (0 ft.)
Eurovent registered
- Cooling mode/Heating mode
- External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH₂O, 6.1 mmH₂O, 8.2 mmH₂O).
Consult your dealer about the specification when setting External static pressure option.

Unit converter

BTU/h	=kW x 3,412
cfm	=m ³ /min x 35.31
lbs	=kg/0.4536

*Above specification data is subject to rounding variation.

Product Information

Y Series Single Fan (12.5-15.5kW)

Mini VRF Heat Pump Outdoor Unit

Making a World of Difference

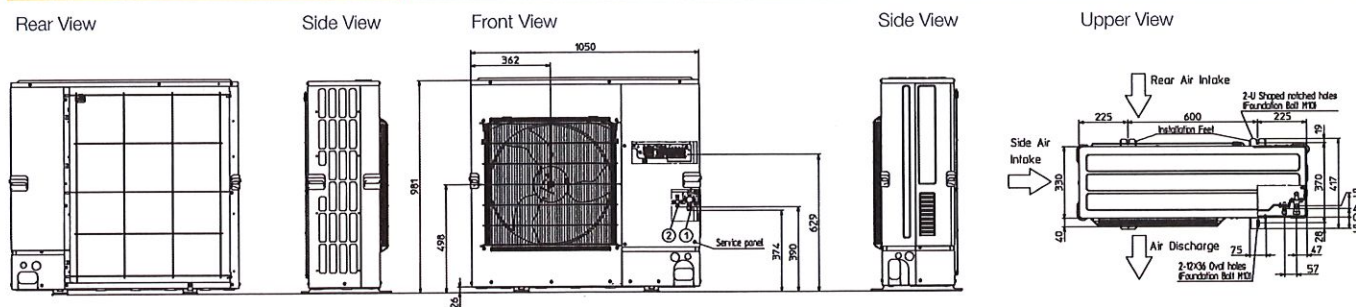


OUTDOOR UNITS		PUMY-SP112VKM	PUMY-SP112YKM ^①	PUMY-SP125VKM	PUMY-SP125YKM ^②	PUMY-SP140VKM	PUMY-SP140YKM ^③
CAPACITY (KW)	Heating (nominal)	14.0	14.0	16.0	16.0	16.5	16.5
	Cooling (nominal)	12.5	12.5	14.0	14.0	15.5	15.5
	Heating (Ulk)	13.9	13.9	15.8	15.8	16.3	16.3
	Cooling (Ulk)	10.0	10.0	11.2	11.2	12.4	12.4
POWER INPUT (KW)	Heating (nominal)	3.17	3.17	3.90	3.90	4.02	4.02
	Cooling (nominal)	3.10	3.10	3.84	3.84	4.70	4.70
	Heating (Ulk)	4.18	4.18	5.15	5.15	5.31	5.31
	Cooling (Ulk)	1.61	1.61	2.00	2.00	2.44	2.44
COP / EER (nominal)		4.42 / 4.03	4.42 / 4.03	4.10 / 3.65	4.10 / 3.65	4.10 / 3.30	4.10 / 3.30
SCOP / SEER ^④		9	9	10	10	12	12
MAX NO. OF CONNECTABLE INDOOR UNITS		9	9	10	10	12	12
MAX CONNECTABLE CAPACITY		50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity	50-130% OU Capacity
AIRFLOW (m³/min)		77	77	83	83	83	83
PIPE SIZE MM (in)	Gas	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")	15.88 (5/8")
	Liquid	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")	9.52 (3/8")
SOUND PRESSURE LEVEL (dBA)		52	52	53	53	54	54
SOUND POWER LEVEL (dBA)		72	72	73	73	74	74
WEIGHT (kg)		93	94	93	94	93	94
DIMENSIONS (mm)	Width	1050	1050	1050	1050	1050	1050
	Depth	330+40	330+40	330+40	330+40	330+40	330+40
	Height	981	981	981	981	981	981
ELECTRICAL SUPPLY		220-240V, 50Hz	380-415V, 50Hz	220-240V, 50Hz	380-415V, 50Hz	220-240V, 50Hz	380-415V, 50Hz
PHASE		Single	Three	Single	Three	Single	Three
STARTING CURRENT (A)		14	7	14	7	14	7
NOMINAL SYSTEM RUNNING CURRENT (A) Heating / Cooling [MAX]		13.48 / 13.16 [30.5]	4.82 / 4.71 [13.0]	16.58 / 16.33 [30.5]	5.93 / 5.83 [13.0]	17.09 / 19.98 [30.5]	6.11 / 7.14 [13.0]
GUARANTEED OPERATING RANGE (°C) Heating / Cooling		-20/-15 / -5/-52	-20/-15 / -5/-52	-20/-15 / -5/-52	-20/-15 / -5/-52	-20/-15 / -5/-52	-20/-15 / -5/-52
FUSE RATING (BS88) - HRC (A)		1 x 32	1 x 16	1 x 32	1 x 16	1 x 32	1 x 16
MAINS CABLE NO. CORES		3	4 + earth	3	4 + earth	3	4 + earth
CHARGE REFRIGERANT (kg) / CO ₂ EQUIVALENT (T) R410A (GWP 2088)		3.5 / 7.31	3.5 / 7.31	3.5 / 7.31	3.5 / 7.31	3.5 / 7.31	3.5 / 7.31
MAX ADDITIONAL REFRIGERANT (kg) / CO ₂ EQUIVALENT (T) R410A (GWP 2088)		9.0 / 18.79	9.0 / 18.79	9.0 / 18.79	9.0 / 18.79	9.0 / 18.79	9.0 / 18.79

③ Three Phase Notes: *SCOP / SEER available separately in the 'City Multi VRF Seasonal Efficiency' document. Based on Ecodesign Lot 21 / 6 to EN14825 standard.

PIPING RESTRICTIONS	PUMY-SP112-140V(Y)KM
TOTAL PIPING LENGTH	120m max
FURTHEST PIPING LENGTH	70m max
FURTHEST PIPING LENGTH AFTER 1st BRANCH	50m max
BETWEEN INDOOR AND OUTDOOR UNITS - HEIGHT	50m max (30m max if outdoor installed below)
BETWEEN INDOOR AND INDOOR UNITS - HEIGHT	15m max

PRODUCT DIMENSIONS



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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774) or R134a (GWP:1430). These GWP values are based on Regulation EU No 517/2014 from PCC2 4th edition. In case of Regulation EU No.628/2011 from PCC3 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP: 550), R407C (GWP: 1650) or R134a (GWP: 1300).



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Effective as of January 2018