R2-Series R32 R410A

Simultaneous Cooling and Heating Heat recovery

*This image shows the standard type.

Inverter | (E)P IPM | PWM | EM/EP Flat tube | HIC | IH warmer | COMP enclosure | COP priority | Low noise | Auto-shift startup | Preheat | Dual | ET control | High SHF | Demand control

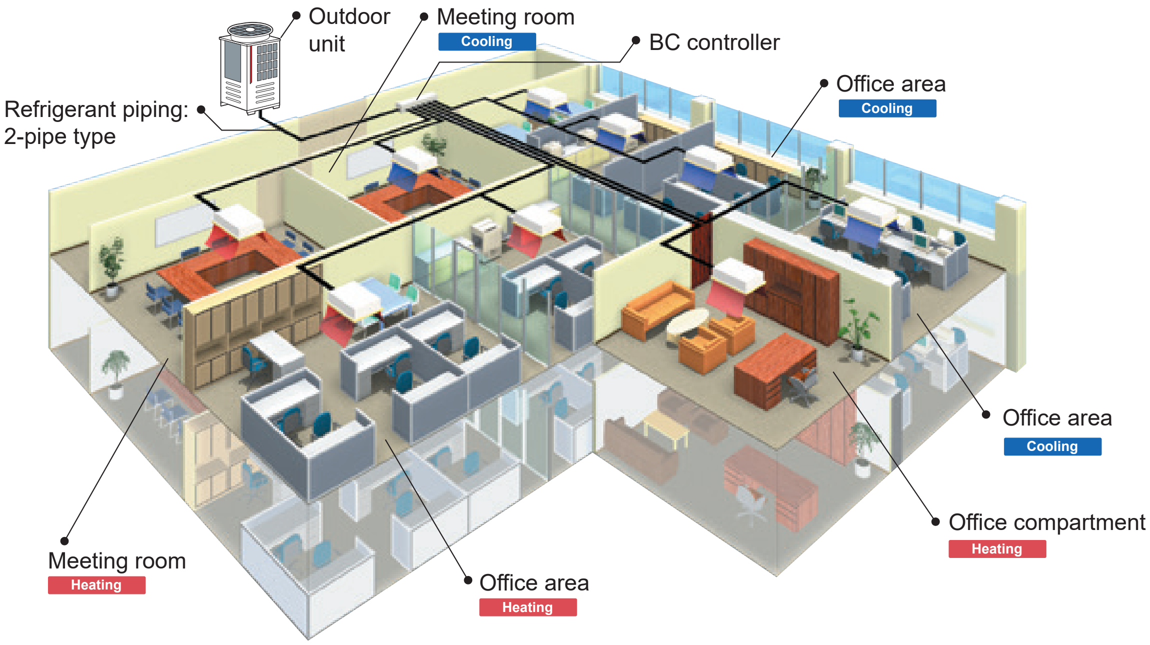
Cont. heating | ESP | (E)P | (E)P | Pump down | Individual LEV | Snow sensor

The world's first two-pipe system that simultaneously cools and heats

The CITY MULTI R2-Series offers the ultimate in freedom and flexibility. Cool one zone while heating another. Our exclusive BC controller makes two-pipe simultaneous cooling and heating possible. It is the technological heart of the CITY MULTI R2-Series. It houses a liquid and gas separator, allowing the outdoor unit to deliver a mixture of hot gas for heating and liquid for cooling, all through the same pipe.

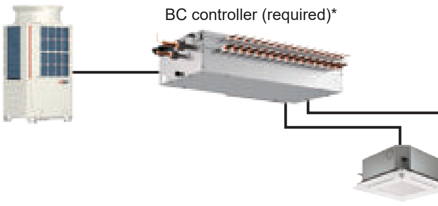
This innovation results in virtually no energy wasted by being expelled outdoors. Depending on capacity, up to 50 indoor units can be connected with up to 150% connected capacity.

- Installation image (R410A R2-Series)



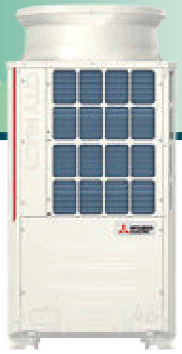
*For details of the installation restrictions, refer to the DATABOOK.

- System example



*R2-Series systems require the use of a BC controller.

R32 CITY MULTI-Series R32



CITY MULTI series utilizing R32 refrigerant. The lower GWP R32 model is a solution to reduce fluorocarbon emissions.

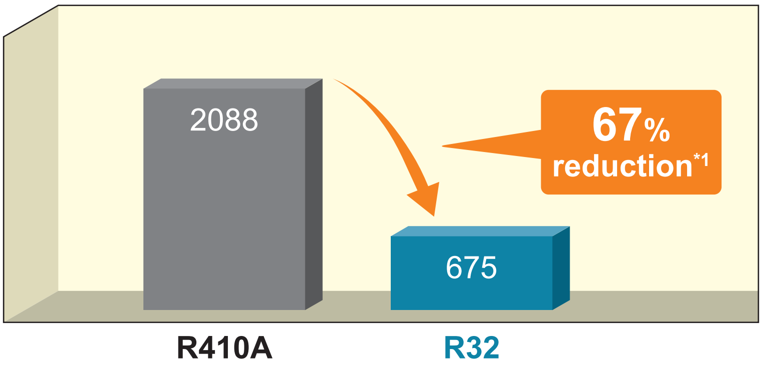
Low-GWP refrigerant

Adoption of R32 refrigerant

CITY MULTI series uses R32 with a 67% lower GWP than R410A to be more environmentally friendly.[*1]

[*1] Source: IPCC 4th Assessment Report, global warming potential (GWP) 100-year value. Comparison of 2088 (R410A) and 675 (R32).

- Comparison of global warming potential



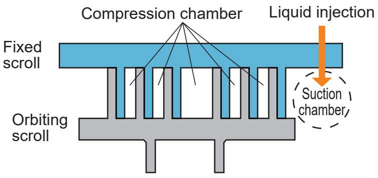
Development of compressor for adopting R32 refrigerant

Stable operation with suction chamber injection mechanism

To suppress rises in discharge temperature, Mitsubishi Electric has developed a compressor that adopts a suction chamber injection mechanism. This solves the problem that R32 has a higher discharge temperature than R410A.

- A mechanism for injecting

This mechanism suppresses the temperature rise of the discharge gas and supports operation in a wide temperature range.

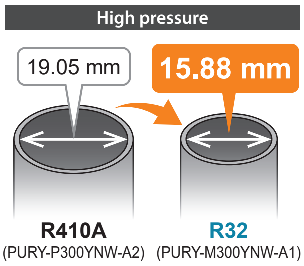


Reduced the amount of refrigerant

Reduced piping diameter

Compared to R410A, R32 is less susceptible to pressure-loss. This characteristics helps to reduce the refrigerant pipe size, reducing the refrigerant amount and the installation cost.

- Comparison of refrigerant piping diameter



R2-Series High efficiency R32

PURY-EM YNW-A1(-BS)

Model			PURY-EM200YNW-A1 (-BS)	PURY-EM250YNW-A1 (-BS)	PURY-EM300YNW-A1 (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal) *1		kW	22.4	28.0	33.5
		BTU/h	76,400	95,500	114,300
	Power input	kW	6.38	9.75	11.20
	Current input	A	7.4-7.1-6.8	11.2-10.7-10.3	13.2-12.5-12.0
	EER	kW/kW	3.51	2.87	2.99
	SEER	kW/kW	7.45	7.05	6.48
Temp. range of cooling	Indoor	W.B.	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)	15.0~24.0 °C (59~75 °F)
	Outdoor	D.B.	-5.0~52.0 °C (23~126 °F)	-5.0~52.0 °C (23~126 °F)	-5.0~52.0 °C (23~126 °F)
Heating capacity (Max) *2		kW	25.0	31.5	37.5
		BTU/h	85,300	107,500	128,000
	Power input	kW	5.23	7.30	9.37
	Current input	A	8.8-8.3-8.0	12.3-11.7-11.2	15.8-15.0-14.4
	COP	kW/kW	3.72	3.31	3.44
	(Nominal) *3	kW	22.4	28.0	33.5
		BTU/h	76,400	95,500	114,300
	Power input	kW	5.37	7.31	9.59
	Current input	A	7.3-7.0-6.7	10.3-9.7-9.4	13.3-12.6-12.2
	COP	kW/kW	4.17	3.83	3.49
	SCOP	kW/kW	3.51	3.51	3.54
Temp. range of heating	Indoor	D.B.	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)	15.0~27.0 °C (59~81 °F)
	Outdoor	W.B.	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)	-20.0~15.5 °C (-4~60 °F)
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity	50~150% of outdoor unit capacity	50~150% of outdoor unit capacity
	Model / Quantity		M20~M140/1~9 *8	M20~M140/1~11 *9	M20~M140/2~14 *10
Sound pressure level (measured in anechoic room) *4, 5		dB <A>	59.0/59.0	60.5/61.0	61.0/67.0
Sound power level (measured in anechoic room) *4		dB <A>	76.0/78.0	78.5/80.0	80.0/86.5
Refrigerant piping diameter	High pressure	mm (in.)	15.88 (5/8) Brazed	15.88 (5/8) Brazed	15.88 (5/8) Brazed
	Low pressure	mm (in.)	19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed
FAN	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
	Air flow rate	m^3/min	170	185	240
		L/s	2,833	3,083	4,000
		cfm	6,003	6,532	8,474
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1
*6	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	3.6	5.4	7.2
	Case heater	kW	- (- V)	- (- V)	- (- V)
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〉	Pre-coated galvanized steel sheets (+powder coating for -BS type) 〈MUNSELL 5Y 8/1 or similar〉
External dimension HxWxD		mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740
		in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 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)	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	Over-heat protection, Over-current protection
	Compressor		-	-	-
	Fan motor		-	-	-
Refrigerant	Type x original charge		R32 x 5.2 kg (12 lbs)	R32 x 5.2 kg (12 lbs)	R32 x 5.2 kg (12 lbs)
	Control		Indoor LEV and BC controller	Indoor LEV and BC controller	Indoor LEV and BC controller
Net weight		kg (lbs)	231 (510)	231 (510)	231 (510)
Heat exchanger			Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube
Optional parts			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 BC controller: CMB-M104,106,108,1012,1016V-J1 Main BC controller: CMB-M108,1012,1016V-JA1 Sub BC controller: CMB-M104, 108V-KB1	Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 BC controller: CMB-M104,106,108,1012,1016V-J1 Main BC controller: CMB-M108,1012,1016V-JA1 Sub BC controller: CMB-M104, 108V-KB1	Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1 BC controller: CMB-M104,106,108,1012,1016V-J1 Main BC controller: CMB-M108,1012,1016V-JA1 Sub BC controller: CMB-M104, 108V-KB1

Notes:

*1, *2, *3 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27ºC DB/19ºC WB (81ºF DB/66ºF WB)	35ºC DB/24ºC WB (95ºF DB/75ºF WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20ºC DB(68ºF DB)	7ºC DB/6ºC WB(45ºF DB/43ºF WB)	7.5m (24-9/16ft.)	0m (0ft.)

*4 Cooling mode / Heating mode

*5 The sound pressure level measured by the conventional method in JIS for reference purpose.

*6 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH_2O, 6.1 mmH_2O, 8.2 mmH_2O).
Consult your dealer about the specification when setting External static pressure option.

*7 R32 is flammable, and certain restrictions apply to the installation of units.
When installing new units, moving the existing units, or changing the layout of the room, ensure that installation restrictions are observed.
For detail, refer to the section in the Databook on installation restrictions.

*8 When connecting the indoor units of M20 or M25, the maximum connectable number of indoor units is 8.

*9 When connecting the indoor units of M20 or M25, the maximum connectable number of indoor units is 10.

*10 When connecting the indoor units of M20 or M25, the maximum connectable number of indoor units is 12.

R2-Series High efficiency R410A

PURY-EP YNW-A2/TR2/RU2 (-BS)

Model				PURY-EP200YNW-A2/TR2/RU2 (-BS)	PURY-EP250YNW-A2/TR2/RU2 (-BS)	PURY-EP300YNW-A2/TR2/RU2 (-BS)
Power source				3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)		*1	kW	22.4	28.0	33.5
			BTU / h	76,400	95,500	114,300
		Power input	kW	6.38	9.75	11.20
		Current input	A	10.7-10.2-9.8	16.4-15.6-15.0	18.9-17.9-17.3
		EER	kW / kW	3.51	2.87	2.99
		SEER	kW / kW	7.45	7.05	6.48
Temp. range of cooling *4		Indoor	W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)
		Outdoor	D.B.	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)
Heating capacity (Max)		*2	kW	25.0	31.5	37.5
			BTU / h	85,300	107,500	128,000
		Power input	kW	6.72	9.51	10.90
		Current input	A	11.3-10.7-10.3	16.0-15.2-14.7	18.4-17.4-16.8
		COP	kW / kW	3.72	3.31	3.44
	(Nominal)	*3	kW	22.4	28.0	33.5
			BTU / h	76,400	95,500	114,300
		Power input	kW	5.37	7.31	9.59
		Current input	A	9.0-8.6-8.3	12.3-11.7-11.2	16.1-15.3-14.8
		COP	kW / kW	4.17	3.83	3.49
		SCOP	kW / kW	3.51	3.51	3.54
Temp. range of heating *4		Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)
		Outdoor	W.B.	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)
Indoor unit connectable		Total capacity		50~150% of outdoor unit capacity	50~150% of outdoor unit capacity	50~150% of outdoor unit capacity
		Model / Quantity		P10~P250, M20~M140/1~20	P10~P250, M20~M140/1~25	P10~P250, M20~M140/1~30
Sound pressure level (measured in anechoic room) *5, 6			dB <A>	59.0/59.0	60.5/61.0	61.0/67.0
Sound power level (measured in anechoic room) *5			dB <A>	76/76	78/80	80/86
Refrigerant piping diameter		High pressure	mm (in.)	15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed
		Low pressure	mm (in.)	19.05 (3/4) Brazed	22.2 (7/8) Brazed	22.2 (7/8) Brazed
FAN		Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 1
		Air flow rate	m^3/min	170	185	240
			L/s	2,833	3,083	4,000
			cfm	6,003	6,532	8,474
		Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
		Motor output	kW	0.92 x 1	0.92 x 1	0.92 x 1
	*7	External static press.		0 Pa (0 mmH$_2$O)	0 Pa (0 mmH$_2$O)	0 Pa (0 mmH$_2$O)
Compressor		Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
		Starting method		Inverter	Inverter	Inverter
		Motor output	kW	4.9	7.5	8.8
		Case heater	kW	–	–	–
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>	Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>
External dimension HxWxD			mm	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740	1,858 (1,798 without legs) x 920 x 740
			in.	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 x 29-3/16	73-3/16 (70-13/16 without legs) x 36-1/4 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)	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	Over-heat protection, Over-current protection
		Compressor		–	–	–
		Fan motor		–	–	–
Refrigerant		Type x original charge		R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)
Net weight			kg (lbs)	219 (483)	228 (503)	230 (508)
Heat exchanger				Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube
Optional parts				Joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1	Joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1	Joint: CMY-Y102SS-G2,CMY-Y102LS-G2, CMY-R160-J1

Notes:

*1,*2,*3 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27ºC DB/19ºC WB (81ºF DB/66ºF WB)	35ºC DB/24ºC WB (95ºF DB/75ºF WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20ºC DB(68ºF DB)	7ºC DB/6ºC WB(45ºF DB/43ºF WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Eurovent registered
*4 -10°C D.B. (14°F D.B.)/-11°C W.B. (12°F W.B.) to 21°C D.B. (70°F D.B.)/15.5°C W.B. (60°F W.B.) with cooling/heating mixed operation.
*5 Cooling mode / Heating mode
*6 The sound pressure level measured by the conventional method in JIS for reference purpose.
*7 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.
*Due to continuing improvement, above specifications may be subject to change without notice.

R2-Series High efficiency R410A

PURY-EP YNW-A2/TR2/RU2 (-BS)

Model			PURY-EP350YNW-A2/TR2/RU2 (-BS)	PURY-EP400YNW-A2/TR2/RU2 (-BS)	PURY-EP450YNW-A2/TR2/RU2 (-BS)	PURY-EP500YNW-A2/TR2/RU2 (-BS)
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz	3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal)	*1	kW	40.0	45.0	50.0	56.0
		BTU / h	136,500	153,500	170,600	191,100
	Power input	kW	14.23	18.75	18.93	21.78
	Current input	A	24.0-22.8-21.9	31.6-30.0-28.9	31.9-30.3-29.2	36.7-34.9-33.6
	EER	kW / kW	2.81	2.40	2.64	2.57
	SEER	kW / kW	6.03	6.10	6.58	6.38
Temp. range of cooling *4	Indoor	W.B.	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)	15.0~24.0°C (59~75°F)
	Outdoor	D.B.	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)	-5.0~52.0°C (23~126°F)
Heating capacity (Max)	*2	kW	45.0	50.0	56.0	63.0
		BTU / h	153,500	170,600	191,100	215,000
	Power input	kW	13.39	16.33	18.36	21.00
	Current input	A	22.6-21.4-20.6	27.5-26.1-25.2	30.9-29.4-28.3	35.4-33.6-32.4
	COP	kW / kW	3.36	3.06	3.05	3.00
(Nominal)	*3	kW	40.0	45.0	50.0	56.0
		BTU / h	136,500	153,500	170,600	191,100
	Power input	kW	10.63	13.15	14.61	16.66
	Current input	A	17.9-17.0-16.4	22.1-21.0-20.3	24.6-23.4-22.5	28.1-26.7-25.7
	COP	kW / kW	3.76	3.42	3.42	3.36
	SCOP	kW / kW	3.56	3.57	3.56	3.54
Temp. range of heating *4	Indoor	D.B.	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)	15.0~27.0°C (59~81°F)
	Outdoor	W.B.	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)	-20.0~15.5°C (-4~60°F)
Indoor unit connectable	Total capacity		50~150% of outdoor unit capacity	50~150% of outdoor unit capacity	50~150% of outdoor unit capacity	50~150% of outdoor unit capacity
	Model / Quantity		P10~P250, M20~M140/1~35	P10~P250, M20~M140/1~40	P10~P250, M20~M140/1~45	P10~P250, M20~M140/1~50
Sound pressure level (measured in anechoic room)	*5, 6	dB <A>	62.5/64.0	65.0/69.0	65.5/70.0	63.5/64.5
Sound power level (measured in anechoic room)	*5	dB <A>	81/83	83/88	83/89	82/84
Refrigerant piping diameter	High pressure	mm (in.)	19.05 (3/4) Brazed	22.2 (7/8) Brazed	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	28.58 (1-1/8) Brazed	28.58 (1-1/8) Brazed
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2	Propeller fan x 2	Propeller fan x 2
	Air flow rate	m^3/min	250	315	315	295
		L/s	4,167	5,250	5,250	4,917
		cfm	8,828	11,123	11,123	10,416
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.46 x 2	0.46 x 2	0.46 x 2	0.92 x 2
*7	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1	Inverter scroll hermetic compressor x 1
	Starting method		Inverter	Inverter	Inverter	Inverter
	Motor output	kW	11.4	15.3	15.5	17.0
	Case heater	kW	–	–	–	–
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>	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 HxWxD		mm	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,240 x 740	1,858 (1,798 without legs) x 1,750 x 740
		in.	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 x 29-3/16	73-3/16 (70-13/16 without legs) x 48-7/8 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)	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	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 8.0 kg (18 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)
Net weight		kg (lbs)	275 (607)	276 (609)	301 (664)	346 (763)
Heat exchanger			Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube	Salt-resistant cross fin & aluminium tube
Optional parts			Joint: CMY-Y102SS-G2, CMY-Y102LS-G2,CMY-R160-J1	Joint: CMY-Y102SS-G2, CMY-Y102LS-G2,CMY-R160-J1	Joint: CMY-Y102SS-G2, CMY-Y102LS-G2,CMY-R160-J1	Joint: CMY-Y102SS-G2, CMY-Y102LS-G2,CMY-R160-J1

Notes:

*1,*2,*3 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27ºC DB/19ºC WB (81ºF DB/66ºF WB)	35ºC DB/24ºC WB (95ºF DB/75ºF WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20ºC DB(68ºF DB)	7ºC DB/6ºC WB(45ºF DB/43ºF WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Eurovent registered

*4 -10°C D.B. (14°F D.B.)/-11°C W.B. (12°F W.B.) to 21°C D.B. (70°F D.B.)/15.5°C W.B. (60°F W.B.) with cooling/heating mixed operation.

*5 Cooling mode / Heating mode

*6 The sound pressure level measured by the conventional method in JIS for reference purpose.

*7 External static pressure option is available (30 Pa, 60 Pa, 80 Pa/3.1 mmH_2O, 6.1 mmH_2O, 8.2 mmH_2O).
Consult your dealer about the specification when setting External static pressure option.

*Due to continuing improvement, above specifications may be subject to change without notice.

R2-Series High efficiency R410A

PURY-EP YNW-A2/TR2/RU2 (-BS)

Model			**PURY-EP550YNW-A2/TR2/RU2 (-BS)**
Power source			3-phase 4-wire 380-400-415 V 50/60 Hz
Cooling capacity (Nominal) *1		kW	60.0
		BTU / h	204,700
	Power input	kW	25.70
	Current input	A	43.3-41.2-39.7
	EER	kW / kW	2.33
	SEER	kW / kW	6.40
Temp. range of cooling *4	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	69.0
		BTU / h	235,400
	Power input	kW	23.87
	Current input	A	40.2-38.2-36.8
	COP	kW / kW	2.89
(Nominal) *3		kW	63.0
		BTU / h	215,000
	Power input	kW	19.81
	Current input	A	33.4-31.7-30.6
	COP	kW / kW	3.18
	SCOP	kW / kW	3.51
Temp. range of heating *4	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		P10~P250, M20~M140/2~50
Sound pressure level (measured in anechoic room) *5, 6		dB <A>	70.0/70.0
Sound power level (measured in anechoic room) *5		dB <A>	89/89
Refrigerant piping diameter	High pressure	mm (in.)	22.2 (7/8) Brazed (28.58 (1-1/8) Brazed for the part that exceeds 65 m)
	Low pressure	mm (in.)	28.58 (1-1/8) Brazed
FAN	Type x Quantity		Propeller fan x 2
	Air flow rate	m^3/min	410
		L/s	6,833
		cfm	14,477
	Control, Driving mechanism		Inverter-control, Direct-driven by motor
	Motor output	kW	0.92 x 2
*7	External static press.		0 Pa (0 mmH_2O)
Compressor	Type x Quantity		Inverter scroll hermetic compressor x 1
	Starting method		Inverter
	Motor output	kW	20.4
	Case heater	kW	–
External finish			Pre-coated galvanized steel sheets (+powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>
External dimension HxWxD		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)
	Inverter circuit (COMP./FAN)		Over-heat protection, Over-current protection
	Compressor		–
	Fan motor		–
Refrigerant	Type x original charge		R410A x 10.8 kg (24 lbs)
Net weight		kg (lbs)	346 (763)
Heat exchanger			Salt-resistant cross fin & aluminium tube
Optional parts			Joint: CMY-Y102SS-G2,CMY-Y102LS-G2,CMY-R160-J1

Notes:

*1,*2,*3 Nominal conditions (subject to JIS B8615-2)

	Indoor	Outdoor	Pipe length	Level difference
Cooling	27ºC DB/19ºC WB (81ºF DB/66ºF WB)	35ºC DB/24ºC WB (95ºF DB/75ºF WB)	7.5m (24-9/16ft.)	0m (0ft.)
Heating	20ºC DB(68ºF DB)	7ºC DB/6ºC WB(45ºF DB/43ºF WB)	7.5m (24-9/16ft.)	0m (0ft.)

*3 Eurovent registered
*4 -10°C D.B. (14°F D.B.)/-11°C W.B. (12°F W.B.) to 21°C D.B. (70°F D.B.)/15.5°C W.B. (60°F W.B.) with cooling/heating mixed operation.
*5 Cooling mode / Heating mode
*6 The sound pressure level measured by the conventional method in JIS for reference purpose.
*7 External static pressure option is available (30 Pa/3.1 mmH_2O).
Consult your dealer about the specification when setting External static pressure option.
*Due to continuing improvement, above specifications may be subject to change without notice.