

NEW B2/B8 & TRADE UNITS AT FORMER LAMBERT BROTHERS HAULAGE SITE, WOODSIDE AVENUE, EASTLEIGH, SO50 4ZR

PLANNING APPROVAL F/21/91183 - DISCHARGE OF PLANNING CONDITION 30, FIXED PLANT AND MACHINERY, 15 June 023

PHOTOGRAPH OF TYPICAL EXTERNAL BUILDING SERVICES PLANT INSTALLATION REQUIRED TO EACH INDIVIDUAL UNIT

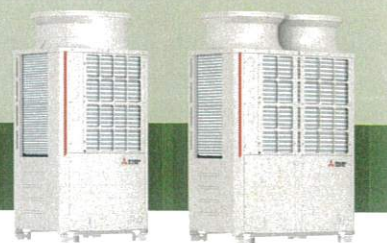
(note that smaller AC unit/plant item shown is only required for Unit 5)



OUTDOOR UNIT R2 Series

UNITS 1+2

PURY-P YNW-A(-BS)



Specifications

Model		PURY-P200YNW-A (-BS)	PURY-P250YNW-A (-BS)	PURY-P300YNW-A (-BS)	PURY-P350YNW-A (-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	22.4	28.0	33.5	40.0
	BTU/h	76,400	95,500	114,300	136,500
	Power input	4.43	5.97	7.54	10.04
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)	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				
Heating capacity (Max)	kW	25.0	31.5	37.5	45.0
	BTU/h	85,300	107,500	128,000	153,500
	Power input	4.71	6.06	8.38	10.68
	Current input	A 7.9~7.5~7.2	10.2~9.7~9.3	14.1~13.4~12.9	18.0~17.1~16.5
(Nominal)	COP	kW/kW 5.30	5.19	4.47	4.21
	*3				
	kW	22.4	28.0	33.5	40.0
	BTU/h	76,400	95,500	114,300	136,500
Temp. range of heating	Indoor	W.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	D.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%	50~150%	50~150%	50~150%
Sound pressure level (measured in anechoic room)	*4				
	dB <A>	59.0 / 59.0	60.5 / 61.0	61.0 / 67.0	62.5 / 64.0
	Sound power level (measured in anechoic room)	*4			
	dB <A>	76.0 / 78.0	78.5 / 80.0	80.0 / 86.5	81.0 / 83.0
Refrigerant piping diameter	High pressure	mm (in.) 15.88 (5/8) Braze	19.05 (3/4) Braze	19.05 (3/4) Braze	19.05 (3/4) Braze
	Low pressure	mm (in.) 19.05 (3/4) Braze	22.2 (7/8) Braze	22.2 (7/8) Braze	28.58 (1-1/8) Braze
	FAN				
	Type x Quantity	Propeller fan x 1	Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
Air flow rate	m³/min	170	185	240	250
	L/s	2,833	3,083	4,000	4,167
	cfm	6,003	6,532	8,474	8,828
	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	0.92 x 1	0.92 x 1	0.92 x 1	0.46 x 2
	*5				
	External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Compressor				
Type	Type	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Starting method	Inverter	Inverter	Inverter	Inverter
	Motor output	kW 5.6	7.0	7.9	10.2
	Case heater	-	-	-	-
External finish	Pre-coated galvanized steel sheets	Pre-coated galvanized steel sheets	Pre-coated galvanized steel sheets	Pre-coated galvanized steel sheets	Pre-coated galvanized steel sheets
	(+powder coating for -BS type)	(+powder coating for -BS type)	(+powder coating for -BS type)	(+powder coating for -BS type)	(+powder coating for -BS type)
	<MUNSELL 5Y 8/1 or similar>	<MUNSELL 5Y 8/1 or similar>	<MUNSELL 5Y 8/1 or similar>	<MUNSELL 5Y 8/1 or similar>	<MUNSELL 5Y 8/1 or similar>
	External dimension HxWxD				
mm	1,858 (1,798 without legs) x	1,858 (1,798 without legs) x	1,858 (1,798 without legs) x	1,858 (1,798 without legs) x	1,858 (1,798 without legs) x
	920 x 740	920 x 740	920 x 740	920 x 740	1,240 x 740
	in.	73-3/16 (70-13/16 without legs) x	73-3/16 (70-13/16 without legs) x	73-3/16 (70-13/16 without legs) x	73-3/16 (70-13/16 without legs) x
	36-1/4 x 29-3/16	36-1/4 x 29-3/16	36-1/4 x 29-3/16	36-1/4 x 29-3/16	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)	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 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 5.2 kg (12 lbs)	R410A x 8.0 kg (18 lbs)
	Net weight	kg (lbs) 229 (505)	229 (505)	231 (510)	273 (602)
	Heat exchanger	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
	Optional parts				
Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1 BC controller: CMB-P104, 106, 108, 1012, 1016V-J Main BC controller: CMB-P108, 1012, 1016V-JA, CMB-P1016V-KA Sub BC controller: CMB-P104V-KB					

Notes:

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

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

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

Indoor: 20 °CD.B. (68 °FD.B.), Outdoor: 7 °CD.B./6 °CW.B. (45 °FD.B./43 °FW.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 (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

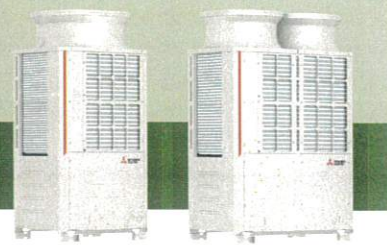
Consult your dealer about the specification when setting External static pressure option.

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

OUTDOOR UNIT R2 Series

UNIT 3

PURY-P YNW-A(-BS)



Specifications

Model		PURY-P200YNW-A (-BS)	PURY-P250YNW-A (-BS)	PURY-P300YNW-A (-BS)	PURY-P350YNW-A (-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	22.4	28.0	33.5	40.0
	BTU/h	76,400	95,500	114,300	136,500
	kW	4.43	5.97	7.54	10.04
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	45.0
(Nominal)	BTU/h	85,300	107,500	128,000	153,500
	kW	4.71	6.06	8.38	10.68
	Current input	A	7.9~7.5~7.2	10.2~9.7~9.3	14.1~13.4~12.9
	COP	kW/kW	5.30	5.19	4.47
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%	50~150%	50~150%
	Model / Quantity	P15~P250/1~20	P15~P250/1~25	P15~P250/1~30	P15~P250/1~35
Sound pressure level (measured in anechoic room)	*4	dB <A>	59.0 / 59.0	60.5 / 61.0	62.5 / 64.0
Sound power level (measured in anechoic room)	*4	dB <A>	76.0 / 78.0	78.5 / 80.0	81.0 / 83.0
Refrigerant piping diameter	High pressure	mm (in.)	15.88 (5/8) Brazed	19.05 (3/4) Brazed	19.05 (3/4) Brazed
FAN	Low pressure	mm (in.)	19.05 (3/4) Brazed	22.2 (7/8) Brazed	28.58 (1-1/8) Brazed
	Type x Quantity		Propeller fan x 1	Propeller fan x 1	Propeller fan x 2
	Air flow rate	m³/min	170	185	240
		L/s	2,833	3,083	4,000
Compressor		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
	*5 External static press.		0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
External finish	Type		Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
	Starting method		Inverter	Inverter	Inverter
	Motor output	kW	5.6	7.0	7.9
	Case heater	kW	-	-	-
External dimension HxVxD	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
	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
Protection devices	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)	229 (505)	229 (505)	231 (510)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Optional parts			Joint: CMY-Y102SS-G2, CMY-Y102LS-G2, CMY-R160-J1		
			BC controller: CMB-P104, 106, 108, 1012, 1016V-J		
			Main BC controller: CMB-P108, 1012, 1016V-JA, CMB-P1016V-KA		
			Sub BC controller: CMB-P104V-KB		

Notes:

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

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

*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 (30Pa, 60Pa, 80Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

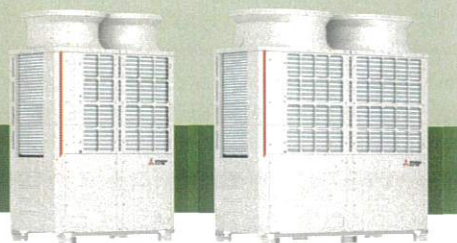
Consult your dealer about the specification when setting External static pressure option.

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

OUTDOOR UNIT R2 Series

UNIT 5

PURY-P YNW-A(-BS)



Specifications

Model		PURY-P400YNW-A (-BS)	PURY-P450YNW-A (-BS)	PURY-P500YNW-A (-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	45.0	50.0	56.0
	BTU/h	153,500	170,600	191,100
	Power input	11.59	12.37	12.72
Temp. range of cooling	Current input	19.5-18.5-17.9	20.8-19.8-19.1	21.4-20.3-19.6
	EER	3.88	4.04	4.40
	Indoor	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	-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	50.0	56.0	63.0
	BTU/h	170,600	191,100	215,000
	Power input	13.65	13.48	15.28
(Nominal)	Current input	23.0-21.8-21.0	22.7-21.6-20.8	25.7-24.5-23.6
	COP	3.66	4.15	4.12
	*3			
	kW	45.0	50.0	56.0
Temp. range of heating	BTU/h	153,500	170,600	191,100
	Power input	10.29	10.91	12.09
	Current input	17.3-16.5-15.9	18.4-17.4-16.8	20.4-19.3-18.6
	COP	4.37	4.58	4.63
Indoor unit connectable	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)
	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)
Total capacity		50~150%	50~150%	50~150%
	Model / Quantity	P15~P250/1~40	P15~P250/1~45	P15~P250/1~50
Sound pressure level (measured in anechoic room)	*4	dB <A>	65.0 / 69.0	63.5 / 64.5
Sound power level (measured in anechoic room)	*4	dB <A>	83.0 / 88.0	82.0 / 84.0
Refrigerant piping diameter	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
FAN	Type x Quantity		Propeller fan x 2	Propeller fan x 2
	Air flow rate	m ³ /min	315	295
		L/s	5,250	4,917
		cfm	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
	Motor output	kW	0.46 x 2	0.92 x 2
	*5 External static press.	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)	0 Pa (0 mmH ₂ O)
	Type	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor	Inverter scroll hermetic compressor
Compressor	Starting method	Inverter	Inverter	Inverter
	Motor output	kW	10.9	13.0
	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>
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 1,750 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 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)
	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 8.0 kg (18 lbs)	R410A x 10.8 kg (24 lbs)	R410A x 10.8 kg (24 lbs)
Net weight	kg (lbs)	273 (602)	293 (646)	337 (743)
Heat exchanger		Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Optional parts		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-P104V-KB		

Notes:

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

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

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

Indoor: 20 °C DB. (68 °F DB.), Outdoor: 7 °C DB./6 °C WB. (45 °F DB./43 °F WB.)

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 (30Pa, 60Pa / 3.1mmH₂O, 6.1mmH₂O, 8.2mmH₂O).

Consult your dealer about the specification when setting External static pressure option.

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

UNIT 5 SMALLER PLANT ITEM.

4

SPECIFICATION

*1 Measured under rated operating frequency.

Outdoor model				MUZ-AP25VG MUZ-AP25VGH	MUZ-AP35VG MUZ-AP35VGH	MUZ-AP42VG MUZ-AP42VGH	MUZ-AP50VG MUZ-AP50VGH		
Power supply				Single phase, 230 V, 50 Hz					
Capacity Rated frequency (Min.-Max.)		Cooling Heating	kW	2.5 (0.9 - 3.4) 3.2 (1.0 - 4.1)	3.5 (1.1 - 3.8) 4.0 (1.3 - 4.6)	4.2 (0.9 - 4.5) 5.4 (1.3 - 6.0)	5.0 (1.4 - 5.4) 5.8 (1.4 - 7.3)		
Breaker Capacity				A	10 16				
Electrical data	Power input *1 (Set)	Cooling	W	600	990	1,300	1,550		
		Heating		780	1,030	1,490	1,600		
	Running current *1 (Set)	Cooling	A	2.9	4.5	5.8	6.9		
		Heating		3.6	4.7	6.6	7.0		
	Power factor *1 (Set)	Cooling	%	89	95	97	97		
		Heating		94	95	98	99		
	Starting current *1 (Set)			A	3.6	4.7	6.6	7.0	
Coefficient of performance (COP) *1 (Set)		Cooling	4.17				3.54	3.23	3.23
		Heating	4.10				3.88	3.62	3.63
Compressor	Model			KVB073FYXMC	KVB073FYXMC	SVB130FBBMC	SVB130FBBMT		
	Output		W	470	470	900	900		
	Current *1	Cooling	A	2.50	4.10	5.42	6.39		
		Heating		3.14	4.20	6.05	6.41		
	Refrigeration oil (Model)			L	0.27 (FW68S)		0.35 (FW68S)		
Fan motor	Model			RC0J50-NC			RC0J50-RA		
	Current *1	Cooling	A	0.22	0.22	0.20	0.27		
Heating		0.20		0.24	0.23	0.27			
Dimensions W × H × D			mm	800 × 550 × 285			800 × 714 × 285		
Weight			kg	31	31	35	40		
Special remarks	Dehumidification		Cooling	L/h	0.3	0.6	1.4	1.9	
	Air flow *1	Cooling	High	m³/h	2,178	2,178	2,058	2,430	
			Low		1,038	1,038	906	1,320	
		Heating	High		2,076	2,076	1,962	2,430	
			Med.		1,788	1,788	1,686	2,238	
			Low		1,452	1,452	1,260	1,704	
	Sound level *1		Cooling	dB(A)	47	49	50	52	
			Heating		48	50	51	52	
	Fan speed	Cooling	High	rpm	940	940	940	840	
			Low		470	470	460	490	
		Heating	High		900	900	900	840	
			Med.		780	780	780	780	
			Low		640	640	600	610	
	Fan speed regulator			3					
	Refrigerant filling capacity (R32)			kg	0.55	0.55	0.70	1.00	

NOTE: Test conditions are based on ISO 5151.

Cooling: Indoor Dry-bulb temperature 27°C
 Outdoor Dry-bulb temperature 35°C
 Heating: Indoor Dry-bulb temperature 20°C
 Outdoor Dry-bulb temperature 7°C
 Refrigerant piping length (one way): 5 m

Wet-bulb temperature 19°C
 Wet-bulb temperature 24°C
 Wet-bulb temperature 15°C
 Wet-bulb temperature 6°C