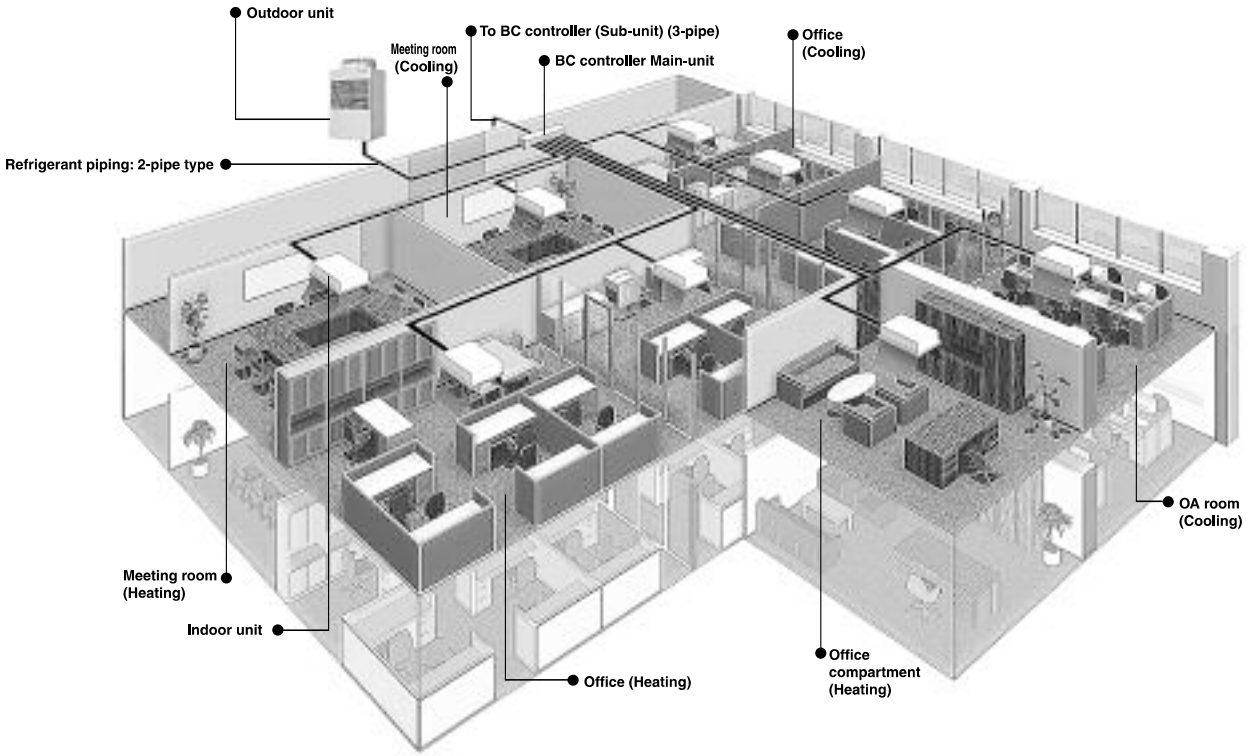
CITY MULTI™ OUTDOOR UNITS

R2 SERIES



Heat recovery: PURY-P-YGM-A(-BS)

	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP	24HP	26HP	28HP	30HP	32HP	34HP	36HP	38HP	40HP	42HP	44HP	46HP	48HP	50HP
R2 Heat recovery	●	●	●	●	●	●	●	●	●	●												

1. SPECIFICATIONS

Model			PURY-P200YGM-A(-BS)	PURY-P250YGM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50 / 60Hz	
Cooling capacity (Nominal)	※1	kW	22.4	28.0
	※1	kcal / h	19,300	24,100
	※1	Btu / h	76,400	95,500
	※2	kcal / h	20,000	25,000
	Power input	kW	6.14	7.72
	Current input	A	10.3 / 9.8 / 9.4	13.0 / 12.3 / 11.9
	COP (kW / kW)		3.65	3.63
Temp. range of cooling	Indoor	W.B.	15 ~ 24˚C (59 ~ 75˚F)	
	Outdoor	D.B.	- 5 ~ 43˚C (23 ~ 109˚F)	
Heating capacity (Nominal)	※3	kW	25.0	31.5
	※3	kcal / h	21,500	27,100
	※3	Btu / h	85,300	107,500
	Power input	kW	5.98	7.62
	Current input	A	10.0 / 9.5 / 9.2	12.8 / 12.2 / 11.7
	COP (kW / kW)		4.18	4.13
Temp. range of heating	Indoor temp.	D.B.	15 ~ 27˚C (59 ~ 81˚F)	
	Outdoor temp.	W.B.	- 20 ~ 15.5˚C (- 4 ~ 60˚F)	
Indoor unit connectable	Total capacity		50 ~ 150% of outdoor unit capacity	
	Model / Quantity		P20 ~ P250 / 1 ~ 15	P20 ~ P250 / 1 ~ 16
Noise level (measured in anechoic room)		dB <A>	56 / 56	57 / 57
Diameter of refrigerant pipe	Liquid (High press.)	mm (in.)	ø15.88 (ø5/8") Brazed	ø19.05 (ø3/4") Brazed
	Gas (Low press.)	mm (in.)	ø19.05 (ø3/4") Brazed	ø22.2 (ø7/8") Brazed

External finish			Pre-coated galvanized sheets (+ powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		mm	1,840 x 990 x 840	1,840 x 990 x 840
		in.	72-1/2" x 39" x 33-1/8"	72-1/2" x 39" x 33-1/8"
Net weight		kg (lb)	236 (521)	251 (554)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Compressor	Type		Inverter scroll hermetic comp.	Inverter scroll hermetic comp.
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	
	Motor output	kW	4.7	6.7
	Case heater	kW	0.045 x 1 (240V)	0.045 x 1 (240V)
	Lubricant		MEL56	MEL32
FAN	Air flow rate	m^3 / min	200	200
		L / s	3,333	3,333
		cfm	7,063	7,063
	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.38	0.38
HIC circuit (HIC: Heat Inter-Changer)			-	
Protection	High pressure protection		High pressure sensor, High pressure switch 4.15 MPa (601 psi)	
	Inverter circuit (COMP. / FAN)		Over-current protection, Over-heat protection	
	Compressor		Over-heat protection	
	Fan motor		Thermal switch	
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)	
Refrigerant	Type x Original charge		R410A x 10.5 kg (24 lb)	R410A x 13.0 kg (29 lb)
	Control		Indoor LEV and BC controller	
Drawing	External		YGM-W656-809 1/2	
	Wiring		YGM-W274-614	
	Refrigerant circle		YGM-rcd-200-400ygm-R2	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw YGM-W656-809 1/2	
Optional parts			High static pressure motor : PAC-KBU04MT-F (60 Pa) Joint : CMY-Y102S-G, CMY-R160-J BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016-G Main BC controller: CMB-P108, 1010, 1013, 1016-GA Sub BC controller: CMP-P104, 108V-GB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.	

Note :

	※1 Nominal cooling conditions	※2 Nominal cooling conditions	※3 Nominal heating conditions
Indoor :	27˚CDB/19˚CWB (81˚FDB/66˚FWB)	27˚CDB/19.5˚CWB (81˚FDB/67˚FWB)	20˚CDB (68˚FDB)
Outdoor :	35˚CDB (95˚FDB)	35˚CDB (95˚FDB)	7˚CDB/6˚CWB (45˚FDB/43˚FWB)
Pipe length :	7.5 m (24-9/16 ft)	5 m (16-3/8 ft)	7.5 m (24-9/16 ft)
Level difference :	0 m (0 ft)	0 m (0 ft)	0 m (0 ft)

* Nominal conditions ※1, ※3 are subject to JIS B8615-1.
* Due to continuing improvement, above specifications may be subject to change without notice.

Unit converter

kcal/h	= kW x 860
Btu/h	= kW x 3,412
cfm	= m^3/min x 35.31
lb	= kg / 0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Model			PURY-P300YGM-A(-BS)	PURY-P350YGM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50 / 60Hz	
Cooling capacity (Nominal)	✻1	kW	33.5	40.0
	✻1	kcal / h	28,800	34,400
	✻1	Btu / h	114,300	136,500
	✻2	kcal / h	30,000	35,000
	Power input	kW	9.57	11.39
	Current input	A	16.1 / 15.3 / 14.7	19.2 / 18.2 / 17.6
	COP (kW / kW)		3.50	3.51
Temp. range of cooling	Indoor	W.B.	15 ~ 24˚C (59 ~ 75˚F)	
	Outdoor	D.B.	- 5 ~ 43˚C (23 ~ 109˚F)	
Heating capacity (Nominal)	✻3	kW	37.5	45.0
	✻3	kcal / h	32,300	38,700
	✻3	Btu / h	128,000	153,500
	Power input	kW	9.10	11.02
	Current input	A	15.3 / 14.5 / 14.0	18.6 / 17.6 / 17.0
	COP (kW / kW)		4.12	4.08
Temp. range of heating	Indoor temp.	D.B.	15 ~ 27˚C (59 ~ 81˚F)	
	Outdoor temp.	W.B.	- 20 ~ 15.5˚C (- 4 ~ 60˚F)	
Indoor unit connectable	Total capacity		50 ~ 150% of outdoor unit capacity	
	Model / Quantity		P20 ~ P250 / 1 ~ 16	P20 ~ P250 / 1 ~ 20
Noise level (measured in anechoic room)		dB <A>	59 / 59	60 / 60
Diameter of refrigerant pipe	Liquid (High press.)	mm (in.)	ø19.05 (ø3/4") Brazed	ø19.05 (ø3/4") Brazed
	Gas (Low press.)	mm (in.)	ø22.2 (ø7/8") Brazed	ø28.58 (ø1-1/8") Brazed

External finish			Pre-coated galvanized sheets (+ powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		mm	1,840 x 990 x 840	1,840 x 990 x 840
		in.	72-1/2" x 39" x 33-1/8"	72-1/2" x 39" x 33-1/8"
Net weight		kg (lb)	251 (554)	251 (554)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Compressor	Type		Inverter scroll hermetic comp.	Inverter scroll hermetic comp.
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	
	Motor output	kW	8.0	9.6
	Case heater	kW	0.045 x 1 (240V)	0.045 x 1 (240V)
	Lubricant		MEL32	MEL32
FAN	Air flow rate	m^3 / min	200	200
		L / s	3,333	3,333
		cfm	7,063	7,063
	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.38	0.38
HIC circuit (HIC: Heat Inter-Changer)			-	
Protection	High pressure protection		High pressure sensor, High pressure switch 4.15 MPa (601 psi)	
	Inverter circuit (COMP. / FAN)		Over-current protection, Over-heat protection	
	Compressor		Over-heat protection	
	Fan motor		Thermal switch	
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)	
Refrigerant	Type x Original charge		R410A x 13.0 kg (29 lb)	R410A x 13.0 kg (29 lb)
	Control		Indoor LEV and BC controller	
Drawing	External		YGM-W656-809 1/2	
	Wiring		YGM-W274-614	
	Refrigerant circle		YGM-rcd-200-400ygm-R2	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw YGM-W656-809 1/2	
Optional parts			High static pressure motor : PAC-KBU04MT-F (60 Pa) Joint : CMY-Y102S-G, CMY-R160-J BC controller: CMB-P104, 105, 106, 108, 1010, 1013, 1016-G Main BC controller: CMB-P108, 1010, 1013, 1016-GA Sub BC controller: CMP-P104, 108V-GB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.	

Note :

	✻1 Nominal cooling conditions	✻2 Nominal cooling conditions	✻3 Nominal heating conditions
Indoor :	27˚CDB/19˚CWB (81˚FDB/66˚FWB)	27˚CDB/19.5˚CWB (81˚FDB/67˚FWB)	20˚CDB (68˚FDB)
Outdoor :	35˚CDB (95˚FDB)	35˚CDB (95˚FDB)	7˚CDB/6˚CWB (45˚FDB/43˚FWB)
Pipe length :	7.5 m (24-9/16 ft)	5 m (16-3/8 ft)	7.5 m (24-9/16 ft)
Level difference :	0 m (0 ft)	0 m (0 ft)	0 m (0 ft)

* Nominal conditions ✻1, ✻3 are subject to JIS B8615-1.
* Due to continuing improvement, above specifications may be subject to change without notice.

Unit converter

kcal/h = kW x 860
Btu/h = kW x 3,412
cfm = m^3/min x 35.31
lb = kg / 0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Model			PURY-P400YGM-A(-BS)	PURY-P450YGM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50 / 60Hz	
Cooling capacity (Nominal)	※1	kW	45.0	50.0
	※1	kcal / h	38,700	43,000
	※1	Btu / h	153,500	170,600
	※2	kcal / h	40,000	45,000
	Power input	kW	13.42	13.61
	Current input	A	22.6 / 21.5 / 20.7	22.9 / 21.8 / 21.0
	COP (kW / kW)		3.35	3.67
Temp. range of cooling	Indoor	W.B.	15 ~ 24˚C (59 ~ 75˚F)	
	Outdoor	D.B.	- 5 ~ 43˚C (23 ~ 109˚F)	
Heating capacity (Nominal)	※3	kW	50.0	56.0
	※3	kcal / h	43,000	48,200
	※3	Btu / h	170,600	191,100
	Power input	kW	12.43	13.86
	Current input	A	20.9 / 19.9 / 19.2	23.3 / 22.2 / 21.4
	COP (kW / kW)		4.02	4.04
Temp. range of heating	Indoor temp.	D.B.	15 ~ 27˚C (59 ~ 81˚F)	
	Outdoor temp.	W.B.	- 20 ~ 15.5˚C (- 4 ~ 60˚F)	
Indoor unit connectable	Total capacity		50 ~ 150% of outdoor unit capacity	
	Model / Quantity		P20 ~ P250 / 1 ~ 24	P20 ~ P250 / 1 ~ 24
Noise level (measured in anechoic room)		dB <A>	61 / 61	60 / 61
Diameter of refrigerant pipe	Liquid (High press.)	mm (in.)	ø22.2 (ø7/8") Brazed	ø22.2 (ø7/8") Brazed
	Gas (Low press.)	mm (in.)	ø28.58 (ø1-1/8") Brazed	ø28.58 (ø1-1/8") Brazed

External finish			Pre-coated galvanized sheets (+ powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		mm	1,840 x 1,290 x 840	1,840 x 1,990 x 840
		in.	72-1/2" x 50-13/16" x 33-1/8"	72-1/2" x 78-3/8" x 33-1/8"
Net weight		kg (lb)	291 (642)	481 (1061)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Compressor	Type		Inverter scroll hermetic comp.	Inverter scroll hermetic comp. + Scroll hermetic comp.
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter	Inverter + Direct
	Motor output	kW	9.7	6.8 + 5.3
	Case heater	kW	0.045 x 1 (240V)	0.045 x 2 (240V)
	Lubricant		MEL32	MEL32
FAN	Air flow rate	m^3 / min	240	400
		L / s	4,000	6,667
		cfm	8,476	14,126
	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
	Type x Quantity		Propeller fan x 1	Propeller fan x 1
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.64	0.38 x 2
HIC circuit (HIC: Heat Inter-Changer)			-	
Protection	High pressure protection		High pressure sensor, High pressure switch 4.15 MPa (601 psi)	
	Inverter circuit (COMP. / FAN)		Over-current protection, Over-heat protection	
	Compressor		Over-heat protection	
	Fan motor		Thermal switch	
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)	
Refrigerant	Type x Original charge		R410A x 16.0 kg (36 lb)	R410A x 22.0 kg (49 lb)
	Control		Indoor LEV and BC controller	
Drawing	External		YGM-W656-810 1/2	YGM-W656-811 1/2
	Wiring		YGM-W274-614	YGM-W274-616
	Refrigerant circle		YGM-rcd-200-400ygm-R2	YGM-rcd-450-650ygm-R2
Standard attachment	Document		Installation Manual	Installation Manual
	Accessory		Details refer to External Drw YGM-W656-810 1/2	Details refer to External Drw YGM-W656-811 1/2
Optional parts			High static pressure motor : PAC-KBU04MT-F (60 Pa) Joint : CMY-Y102S-G,CMY-R160-J Main BC controller: CMB-P108, 1010, 1013, 1016-GA Sub BC controller: CMP-P104, 108V-GB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.	

Note :

※1 Nominal cooling conditions
Indoor : 27˚CDB/19˚CWB (81˚FDB/66˚FWB)
Outdoor : 35˚CDB (95˚FDB)
Pipe length : 7.5 m (24-9/16 ft)
Level difference : 0 m (0 ft)

※2 Nominal cooling conditions
27˚CDB/19.5˚CWB (81˚FDB/67˚FWB)
35˚CDB (95˚FDB)
5 m (16-3/8 ft)
0 m (0 ft)

※3 Nominal heating conditions
20˚CDB (68˚FDB)
7˚CDB/6˚CWB (45˚FDB/43˚FWB)
7.5 m (24-9/16 ft)
0 m (0 ft)

* Nominal conditions ※1, ※3 are subject to JIS B8615-1.
* Due to continuing improvement, above specifications may be subject to change without notice.

Unit converter
kcal/h = kW x 860
Btu/h = kW x 3,412
cfm = m^3/min x 35.31
lb = kg / 0.4536
*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Model			PURY-P500YGM-A(-BS)	PURY-P550YGM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50 / 60Hz	
Cooling capacity (Nominal)	✻1	kW	56.0	63.0
	✻1	kcal / h	48,200	54,200
	✻1	Btu / h	191,100	215,000
	✻2	kcal / h	50,000	55,000
	Power input	kW	15.59	17.08
	Current input	A	26.3 / 25.0 / 24.0	28.8 / 27.3 / 26.4
	COP (kW / kW)		3.59	3.69
Temp. range of cooling	Indoor	W.B.	15 ~ 24˚C (59 ~ 75˚F)	
	Outdoor	D.B.	- 5 ~ 43˚C (23 ~ 109˚F)	
Heating capacity (Nominal)	✻3	kW	63.0	67.0
	✻3	kcal / h	54,200	57,600
	✻3	Btu / h	215,000	228,600
	Power input	kW	15.89	16.37
	Current input	A	26.8 / 25.4 / 24.5	27.6 / 26.2 / 25.3
	COP (kW / kW)		3.96	4.09
Temp. range of heating	Indoor temp.	D.B.	15 ~ 27˚C (59 ~ 81˚F)	
	Outdoor temp.	W.B.	- 20 ~ 15.5˚C (- 4 ~ 60˚F)	
Indoor unit connectable	Total capacity		50 ~ 150% of outdoor unit capacity	
	Model / Quantity		P20 ~ P250 / 1 ~ 24	P20 ~ P250 / 2 ~ 24
Noise level (measured in anechoic room)		dB <A>	60 / 61	61 / 62
Diameter of refrigerant pipe	Liquid (High press.)	mm (in.)	ø22.2 (ø7/8") Brazed	ø28.58 (ø1-1/8") Brazed
	Gas (Low press.)	mm (in.)	ø28.58 (ø1-1/8") Brazed	ø28.58 (ø1-1/8") Brazed

External finish			Pre-coated galvanized sheets (+ powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		mm	1,840 x 1,990 x 840	1,840 x 1,990 x 840
		in.	72-1/2" x 78-3/8" x 33-1/8"	72-1/2" x 78-3/8" x 33-1/8"
Net weight		kg (lb)	481 (1061)	481 (1061)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Compressor	Type		Inverter scroll hermetic comp. + Scroll hermetic comp.	Inverter scroll hermetic comp. + Scroll hermetic comp.
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter + Direct	
	Motor output	kW	8.2 + 5.3	9.3 + 5.3
	Case heater	kW	0.045 x 2 (240V)	0.045 x 2 (240V)
	Lubricant		MEL32	MEL32
FAN	Air flow rate	m^3 / min	400	400
		L / s	6,667	6,667
		cfm	14,126	14,126
	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
	Type x Quantity		Propeller fan x 2	Propeller fan x 2
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.38 x 2	0.38 x 2
HIC circuit (HIC: Heat Inter-Changer)			-	
Protection	High pressure protection		High pressure sensor, High pressure switch 4.15 MPa (601 psi)	
	Inverter circuit (COMP. / FAN)		Over-current protection, Over-heat protection	
	Compressor		Over-heat protection	
	Fan motor		Thermal switch	
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)	
Refrigerant	Type x Original charge		R410A x 22.0 kg (49 lb)	R410A x 22.0 kg (49 lb)
	Control		Indoor LEV and BC controller	
Drawing	External		YGM-W656-811 1/2	
	Wiring		YGM-W274-616	
	Refrigerant circle		YGM-rcd-450-650ygm-R2	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw YGM-W656-811 1/2	
Optional parts			High static pressure motor : PAC-KBU04MT-F (60 Pa) Joint : CMY-Y102S-G,CMY-R160-J Main BC controller: CMB-P108, 1010, 1013, 1016-GA Sub BC controller: CMP-P104, 108V-GB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.	

Note :

	✻1 Nominal cooling conditions	✻2 Nominal cooling conditions	✻3 Nominal heating conditions
Indoor :	27˚CDB/19˚CWB (81˚FDB/66˚FWB)	27˚CDB/19.5˚CWB (81˚FDB/67˚FWB)	20˚CDB (68˚FDB)
Outdoor :	35˚CDB (95˚FDB)	35˚CDB (95˚FDB)	7˚CDB/6˚CWB (45˚FDB/43˚FWB)
Pipe length :	7.5 m (24-9/16 ft)	5 m (16-3/8 ft)	7.5 m (24-9/16 ft)
Level difference :	0 m (0 ft)	0 m (0 ft)	0 m (0 ft)

* Nominal conditions ✻1, ✻3 are subject to JIS B8615-1.
* Due to continuing improvement, above specifications may be subject to change without notice.

Unit converter

kcal/h = kW x 860
Btu/h = kW x 3,412
cfm = m^3/min x 35.31
lb = kg / 0.4536

*Above specification data is subject to rounding variation.

1. SPECIFICATIONS

Model			PURY-P600YGM-A(-BS)	PURY-P650YGM-A(-BS)
Power source			3-phase 4-wire 380-400-415V 50 / 60Hz	
Cooling capacity (Nominal)	※1	kW	67.4	73.0
	※1	kcal / h	58,000	62,800
	※1	Btu / h	230,000	249,100
	※2	kcal / h	60,000	65,000
	Power input	kW	17.59	19.65
	Current input	A	29.6 / 28.2 / 27.1	33.1 / 31.5 / 30.3
	COP (kW / kW)		3.83	3.72
Temp. range of cooling	Indoor	W.B.	15 ~ 24˚C (59 ~ 75˚F)	
	Outdoor	D.B.	- 5 ~ 43˚C (23 ~ 109˚F)	
Heating capacity (Nominal)	※3	kW	75.0	81.5
	※3	kcal / h	64,500	70,100
	※3	Btu / h	255,900	278,100
	Power input	kW	17.73	19.82
	Current input	A	29.9 / 28.4 / 27.4	33.4 / 31.7 / 30.6
	COP (kW / kW)		4.23	4.11
Temp. range of heating	Indoor temp.	D.B.	15 ~ 27˚C (59 ~ 81˚F)	
	Outdoor temp.	W.B.	- 20 ~ 15.5˚C (- 4 ~ 60˚F)	
Indoor unit connectable	Total capacity		50 ~ 150% of outdoor unit capacity	
	Model / Quantity		P20 ~ P250 / 2 ~ 32	P20 ~ P250 / 2 ~ 32
Noise level (measured in anechoic room)		dB <A>	61 / 62	62 / 62.5
Diameter of refrigerant pipe	Liquid (High press.)	mm (in.)	ø28.58 (ø1-1/8") Brazed	ø28.58 (ø1-1/8") Brazed
	Gas (Low press.)	mm (in.)	ø28.58 (ø1-1/8") Brazed	ø28.58 (ø1-1/8") Brazed

External finish			Pre-coated galvanized sheets (+ powder coating for -BS type) <MUNSELL 5Y 8/1 or similar>	
External dimension H x W x D		mm	1,840 x 1,990 x 840	1,840 x 1,990 x 840
		in.	72-1/2" x 78-3/8" x 33-1/8"	72-1/2" x 78-3/8" x 33-1/8"
Net weight		kg (lb)	481 (1061)	481 (1061)
Heat exchanger			Salt-resistant cross fin & copper tube	Salt-resistant cross fin & copper tube
Compressor	Type		Inverter scroll hermetic comp. + Scroll hermetic comp.	Inverter scroll hermetic comp. + Scroll hermetic comp.
	Manufacturer		AC&R Works, MITSUBISHI ELECTRIC CORPORATION	
	Starting method		Inverter + Direct	
	Motor output	kW	10.1 + 5.3	10.9 + 5.3
	Case heater	kW	0.045 x 2 (240V)	0.045 x 2 (240V)
	Lubricant		MEL32	MEL32
FAN	Air flow rate	m^3 / min	400	400
		L / s	6,667	6,667
		cfm	14,126	14,126
	External static press.		0 Pa (0 mmH_2O)	0 Pa (0 mmH_2O)
	Type x Quantity		Propeller fan x 2	Propeller fan x 2
	Control, Driving mechanism		Inverter-control, Direct-driven by motor	Inverter-control, Direct-driven by motor
	Motor output	kW	0.38 x 2	0.38 x 2
HIC circuit (HIC: Heat Inter-Changer)			-	
Protection	High pressure protection		High pressure sensor, High pressure switch 4.15 MPa (601 psi)	
	Inverter circuit (COMP. / FAN)		Over-current protection, Over-heat protection	
	Compressor		Over-heat protection	
	Fan motor		Thermal switch	
Defrosting method			Auto-defrost mode (Reversed refrigerant circle)	
Refrigerant	Type x Original charge		R410A x 22.0 kg (49 lb)	R410A x 22.0 kg (49 lb)
	Control		Indoor LEV and BC controller	
Drawing	External		YGM-W656-811 1/2	
	Wiring		YGM-W274-616	
	Refrigerant circle		YGM-rcd-450-650ygm-R2	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw YGM-W656-811 1/2	
Optional parts			High static pressure motor : PAC-KBU04MT-F (60 Pa) Joint : CMY-Y102S/L-G,CMY-Y202/302-G Main BC controller: CMB-P108, 1010, 1013, 1016-GA Sub BC controller: CMP-P104, 108V-GB	
Remark			Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.	

Note :

	※1 Nominal cooling conditions	※2 Nominal cooling conditions	※3 Nominal heating conditions
Indoor :	27˚CDB/19˚CWB (81˚FDB/66˚FWB)	27˚CDB/19.5˚CWB (81˚FDB/67˚FWB)	20˚CDB (68˚FDB)
Outdoor :	35˚CDB (95˚FDB)	35˚CDB (95˚FDB)	7˚CDB/6˚CWB (45˚FDB/43˚FWB)
Pipe length :	7.5 m (24-9/16 ft)	5 m (16-3/8 ft)	7.5 m (24-9/16 ft)
Level difference :	0 m (0 ft)	0 m (0 ft)	0 m (0 ft)

* Nominal conditions ※1, ※3 are subject to JIS B8615-1.
* Due to continuing improvement, above specifications may be subject to change without notice.

Unit converter

kcal/h	= kW x 860
Btu/h	= kW x 3,412
cfm	= m^3/min x 35.31
lb	= kg / 0.4536

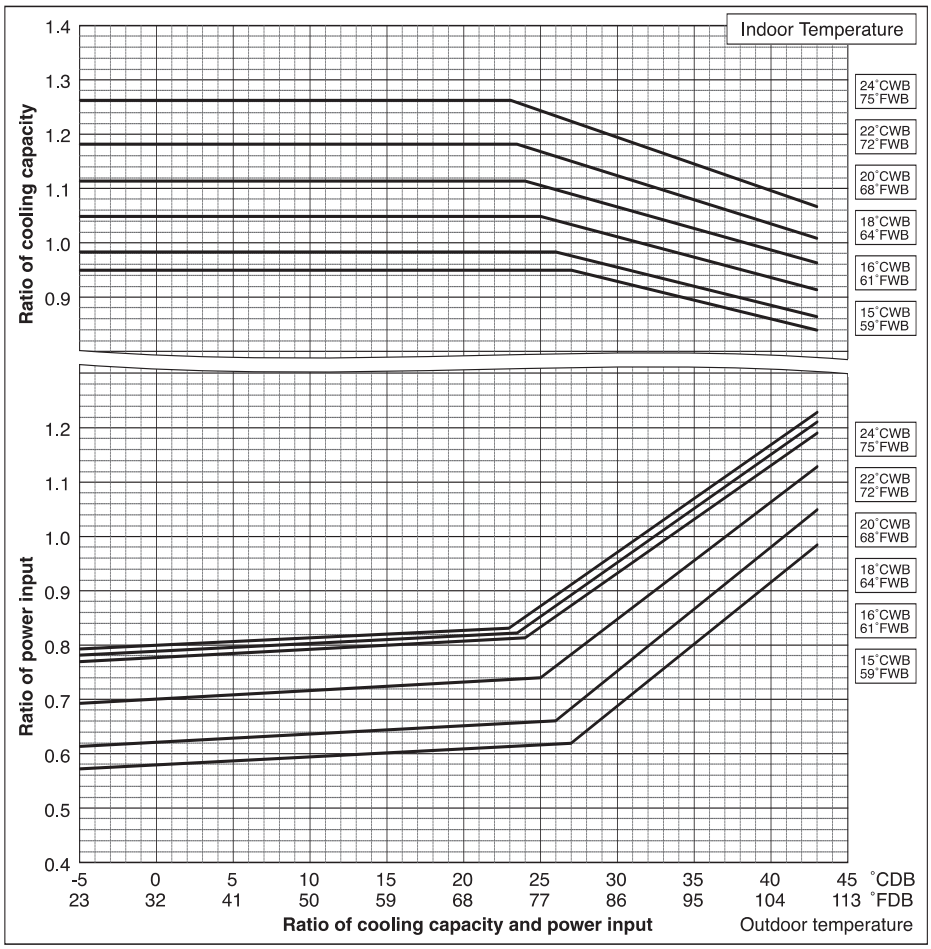
*Above specification data is subject to rounding variation.

2. CAPACITY TABLES

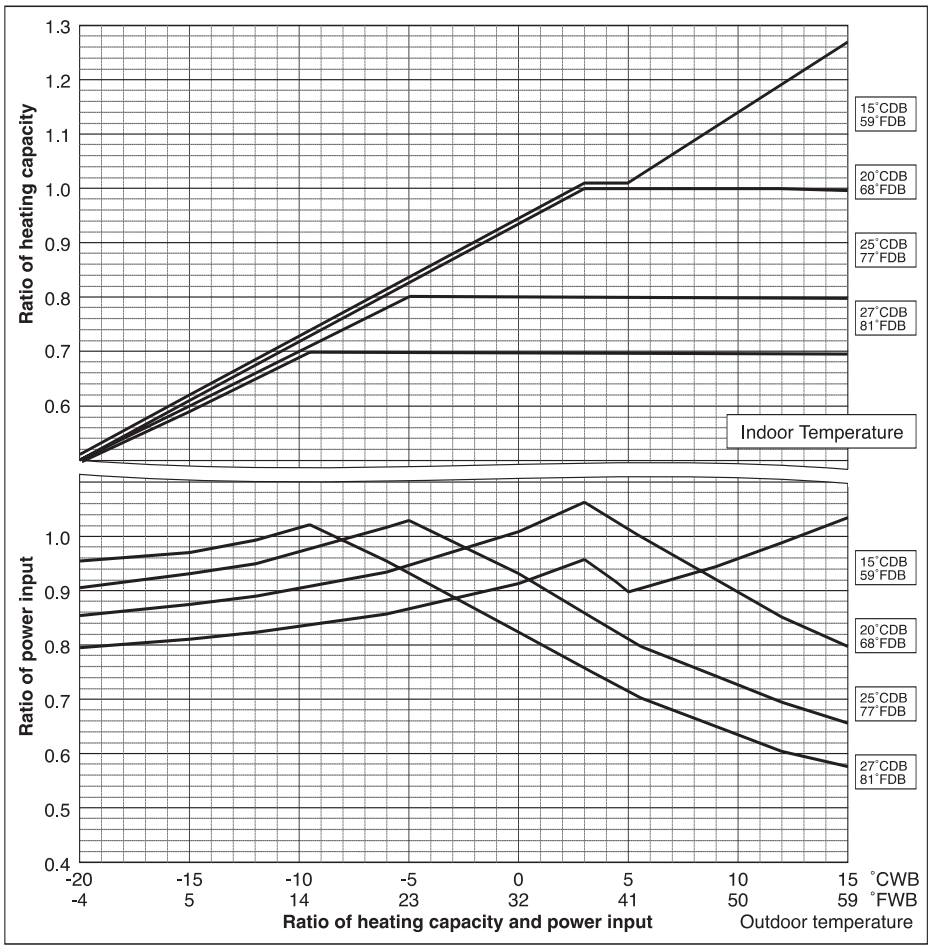
2-1. Correction by temperature

CITY MULTI™ could have varied capacity at different designing temperature. Using the nominal cooling/heating capacity value and the ratio below, the capacity can be observed at various temperature.

PURY-		P200YGM	P250YGM
Nominal Cooling Capacity	kW	22.4	28.0
	kcal/h	19,300	24,100
	Btu/h	76,400	95,500
Input	kW	6.14	7.72



PURY-		P200YGM	P250YGM
Nominal Heating Capacity	kW	25.0	31.5
	kcal/h	21,500	27,100
	Btu/h	85,300	107,500
Input	kW	5.98	7.62



Ref:cbt_p200-250

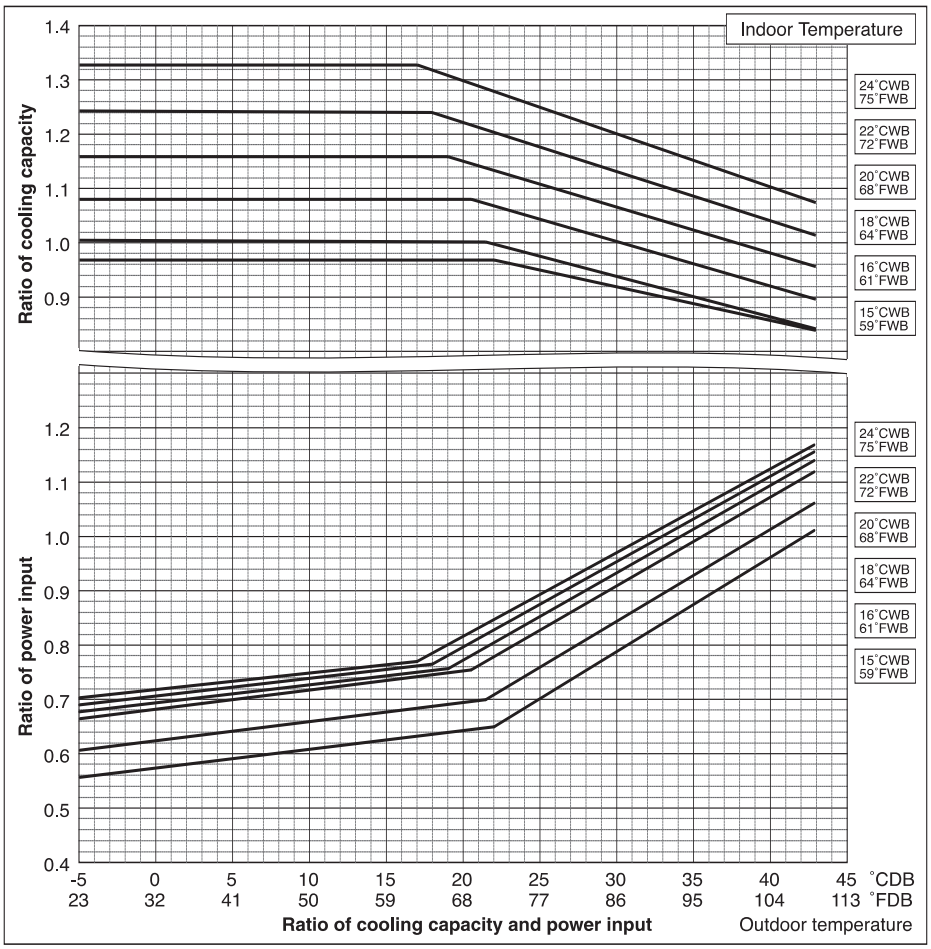
2. CAPACITY TABLES

2-1. Correction by temperature

CITY MULTI™ could have varied capacity at different designing temperature. Using the nominal cooling/heating capacity value and the ratio below, the capacity can be observed at various temperature.

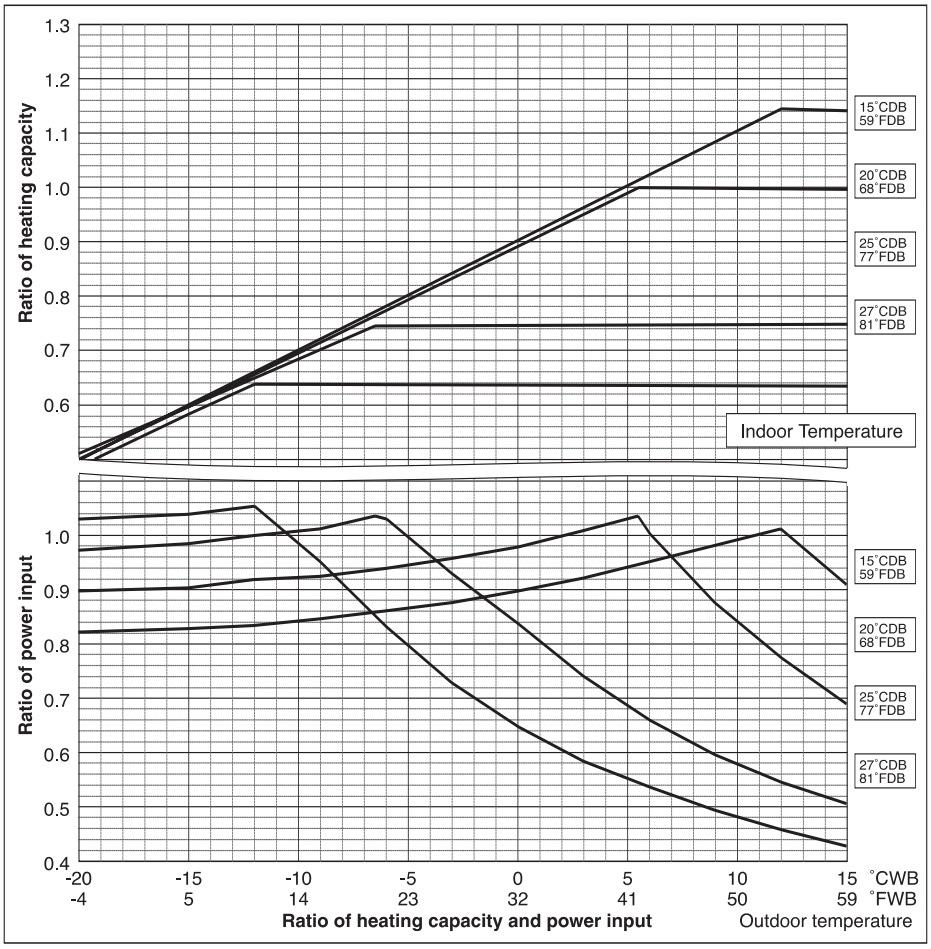
PURY-		P300YGM	P350YGM
Nominal Cooling Capacity	kW	33.5	40.0
	kcal/h	28,800	34,400
	Btu/h	114,300	136,500
Input	kW	9.57	11.39

PURY-		P400YGM
Nominal Cooling Capacity	kW	45.0
	kcal/h	38,700
	Btu/h	153,500
Input	kW	13.42



PURY-		P300YGM	P350YGM
Nominal Heating Capacity	kW	37.5	45.0
	kcal/h	32,300	38,700
	Btu/h	128,000	153,500
Input	kW	9.10	11.02

PURY-		P400YGM
Nominal Heating Capacity	kW	50.0
	kcal/h	43,000
	Btu/h	170,600
Input	kW	12.43



Ref:cbt_p300-400

2. CAPACITY TABLES

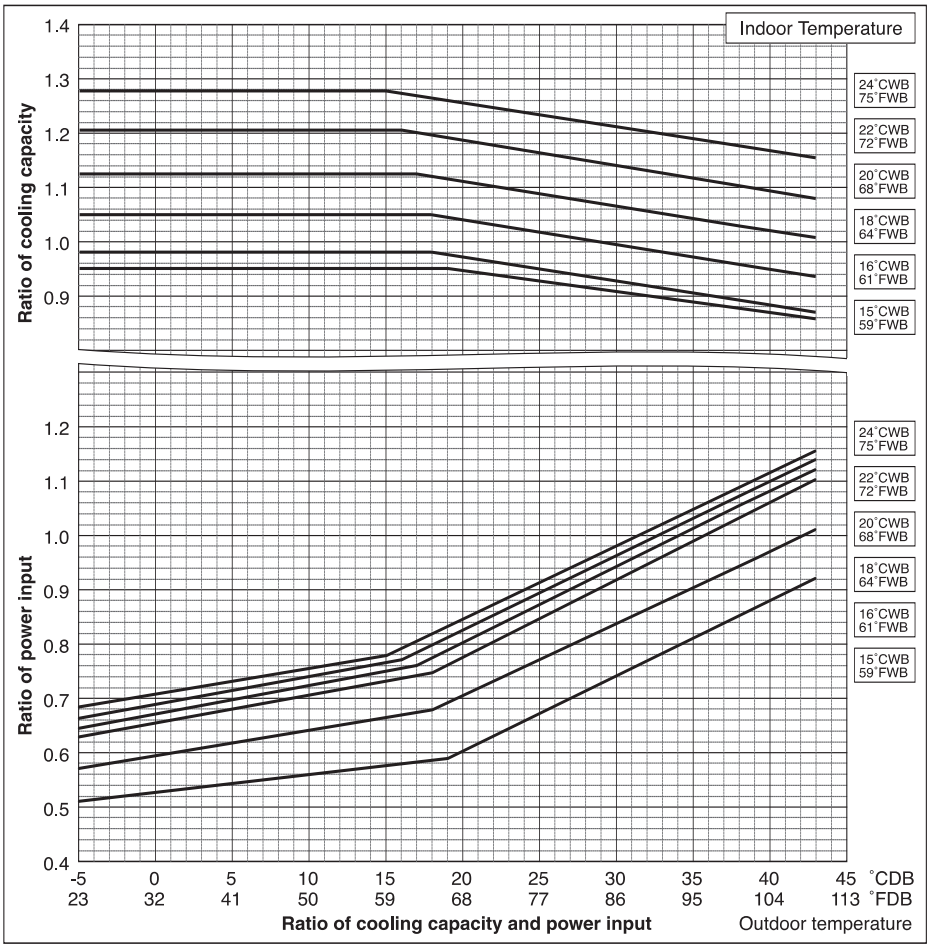
2-1. Correction by temperature

CITY MULTI™ could have varied capacity at different designing temperature. Using the nominal cooling/heating capacity value and the ratio below, the capacity can be observed at various temperature.

PURY-		P450YGM	P500YGM
Nominal Cooling Capacity	kW	50.0	56.0
	kcal/h	43,000	48,200
	Btu/h	170,600	191,100
Input	kW	13.61	15.59

PURY-		P550YGM	P600YGM
Nominal Cooling Capacity	kW	63.0	67.4
	kcal/h	54,200	58,000
	Btu/h	215,000	230,000
Input	kW	17.08	17.59

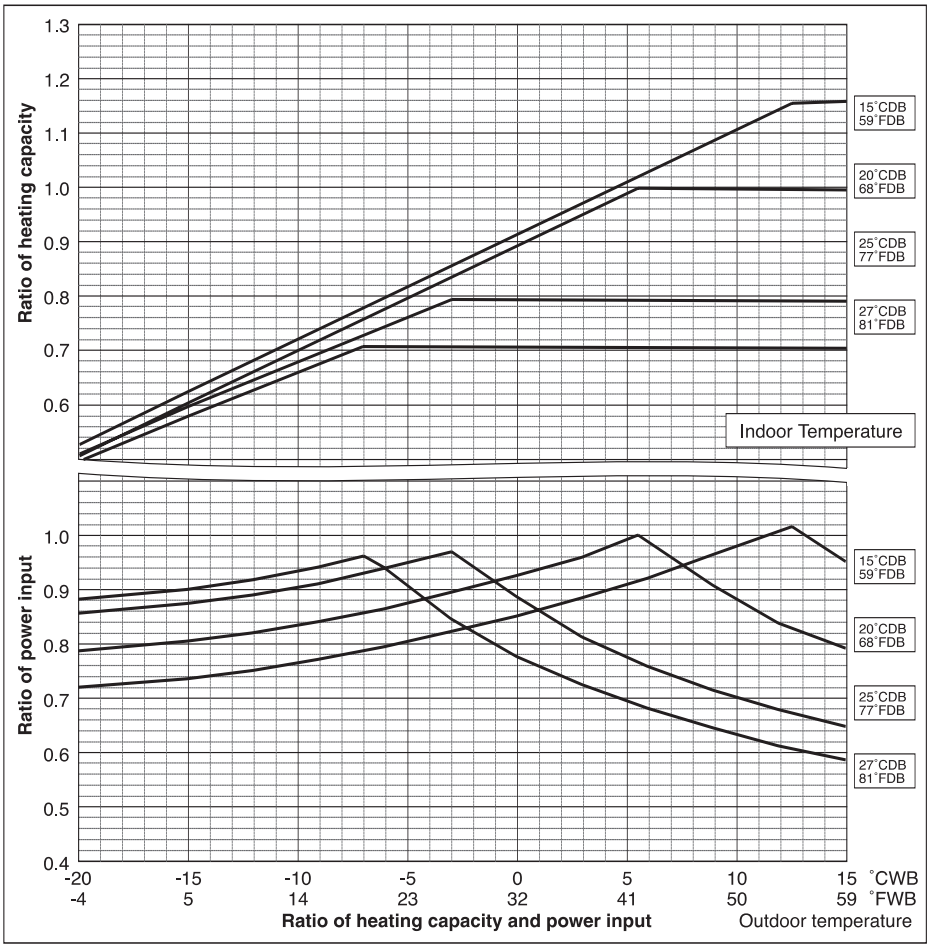
PURY-		P650YGM
Nominal Cooling Capacity	kW	73.0
	kcal/h	62,800
	Btu/h	249,100
Input	kW	19.65



PURY-		P450YGM	P500YGM
Nominal Heating Capacity	kW	56.0	63.0
	kcal/h	48,200	54,200
	Btu/h	191,100	215,000
Input	kW	13.86	15.89

PURY-		P550YGM	P600YGM
Nominal Heating Capacity	kW	67.0	75.0
	kcal/h	57,600	64,500
	Btu/h	228,600	255,900
Input	kW	16.37	17.73

PURY-		P650YGM
Nominal Heating Capacity	kW	81.5
	kcal/h	70,100
	Btu/h	278,100
Input	kW	19.82



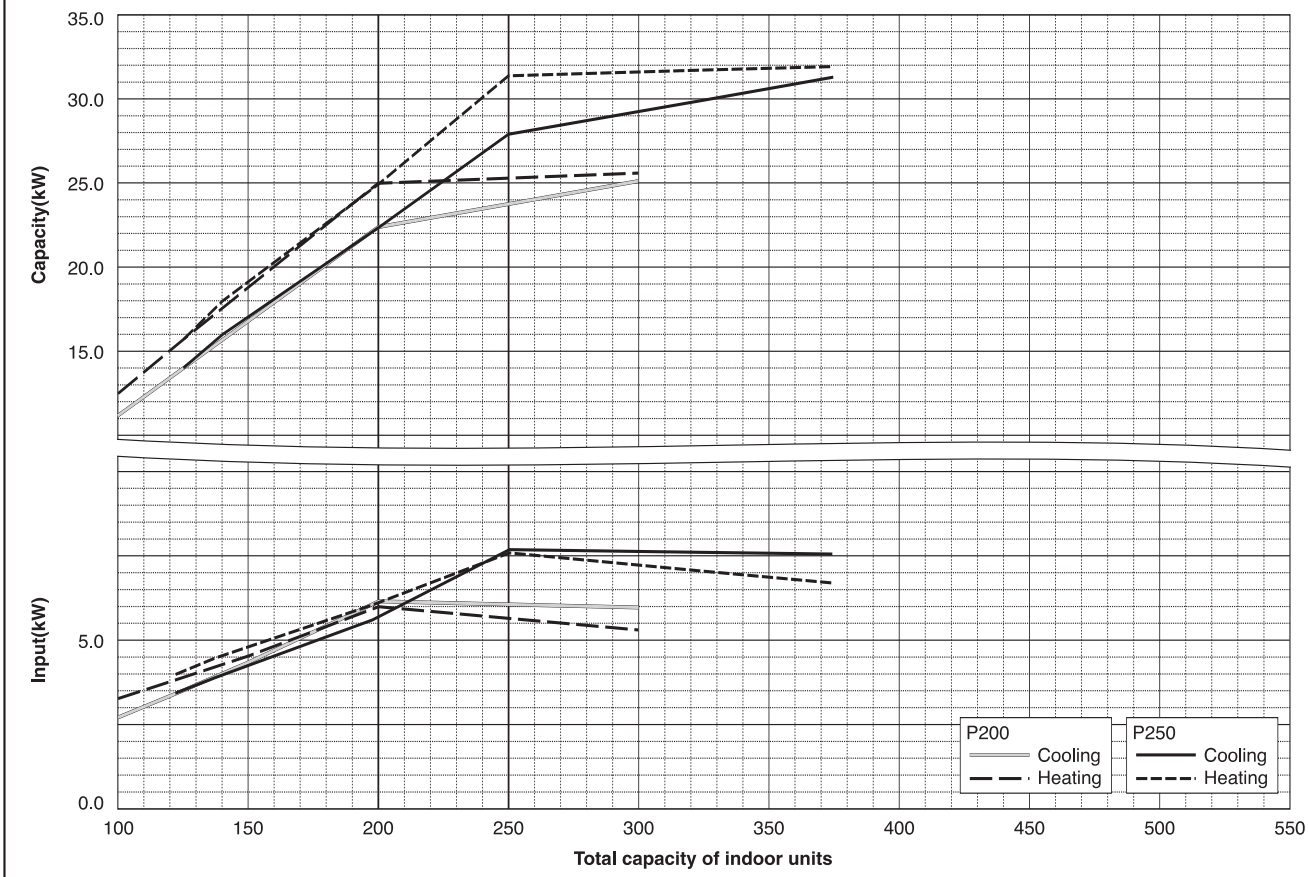
Ref:cbt_p450-650

2. CAPACITY TABLES

2-2. Correction by total indoor

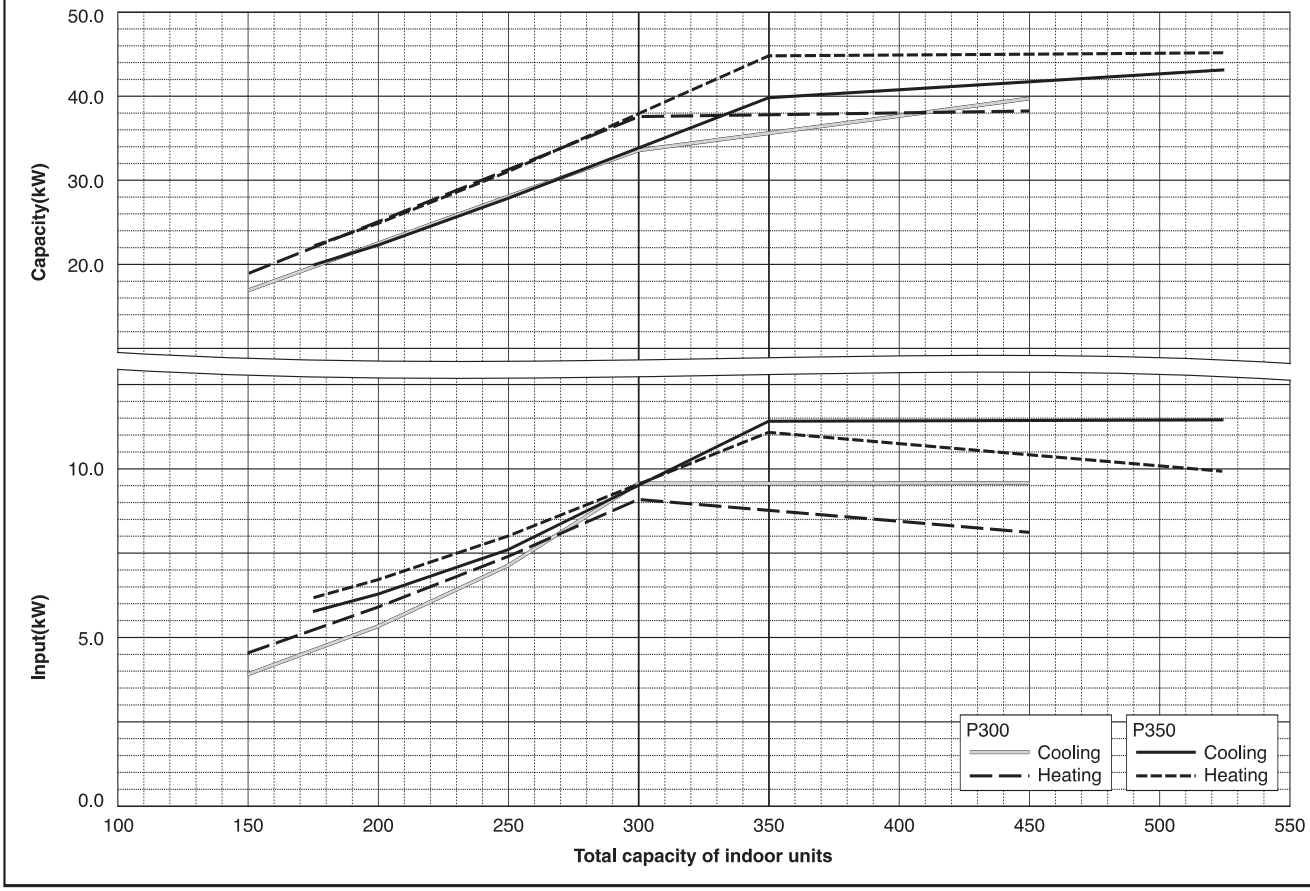
CITY MULTI™ system has different capacity and input at different total capacity of indoor unit connected. Using following tables, the maximum capacity can be observed so as to ensure the system having enough capacity.

PURY-P200,250YGM



Ref: cbti-pury200-250ygm

PURY-P300,350YGM



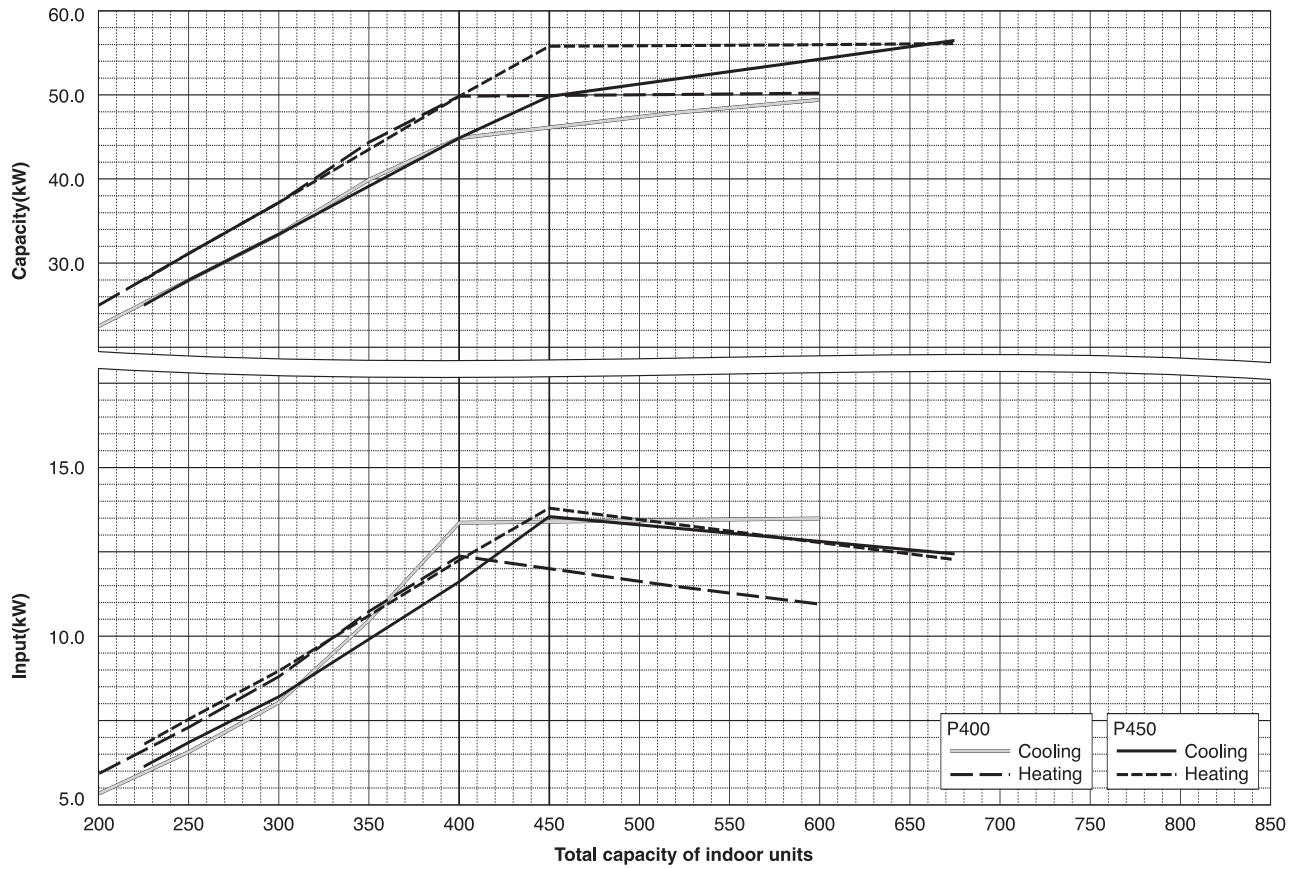
Ref: cbti-pury300-350ygm

2. CAPACITY TABLES

2-2. Correction by total indoor

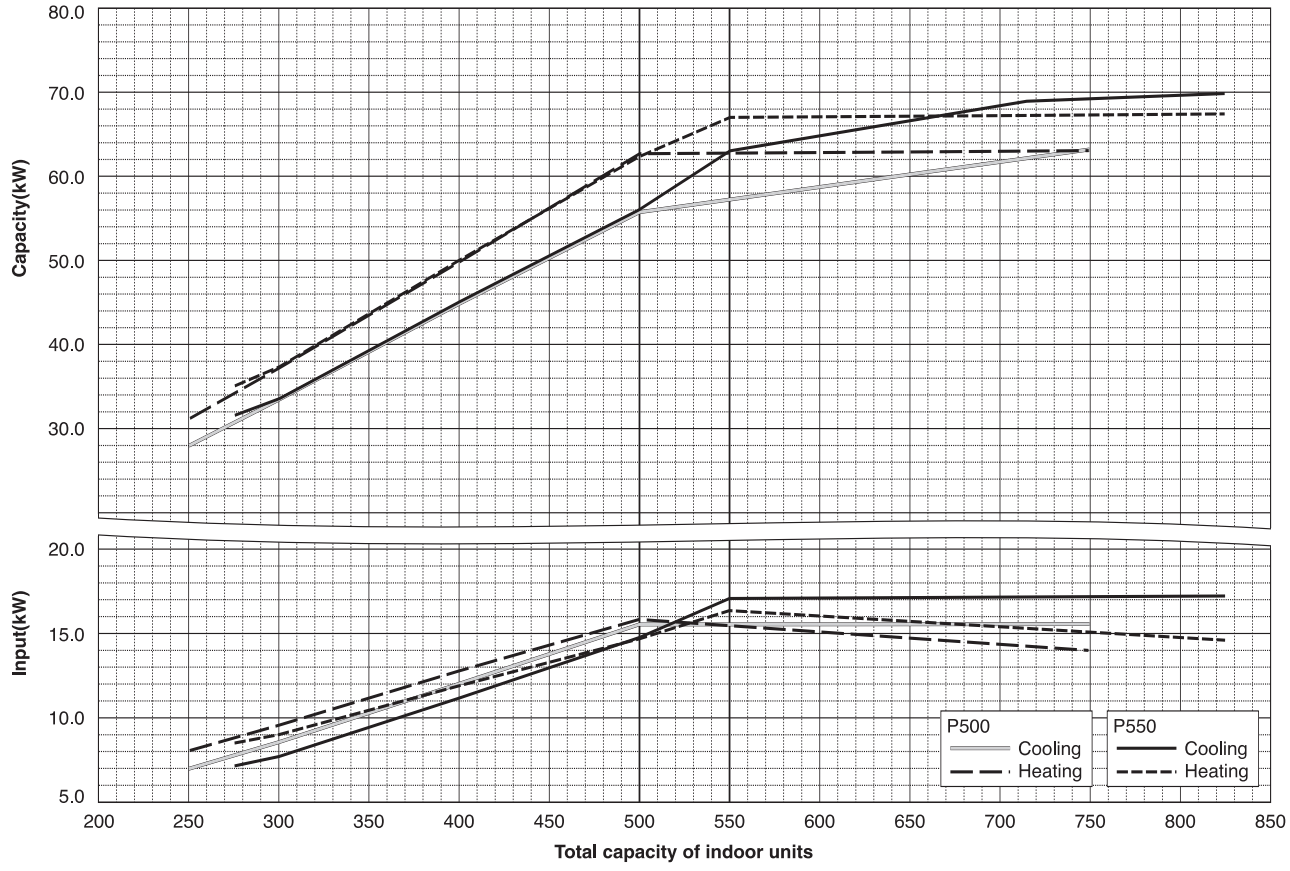
CITY MULTI™ system has different capacity and input at different total capacity of indoor unit connected. Using following tables, the maximum capacity can be observed so as to ensure the system having enough capacity.

PURY-P400,450YGM



Ref: cbti-pury400-450ygm

PURY-P500,550YGM

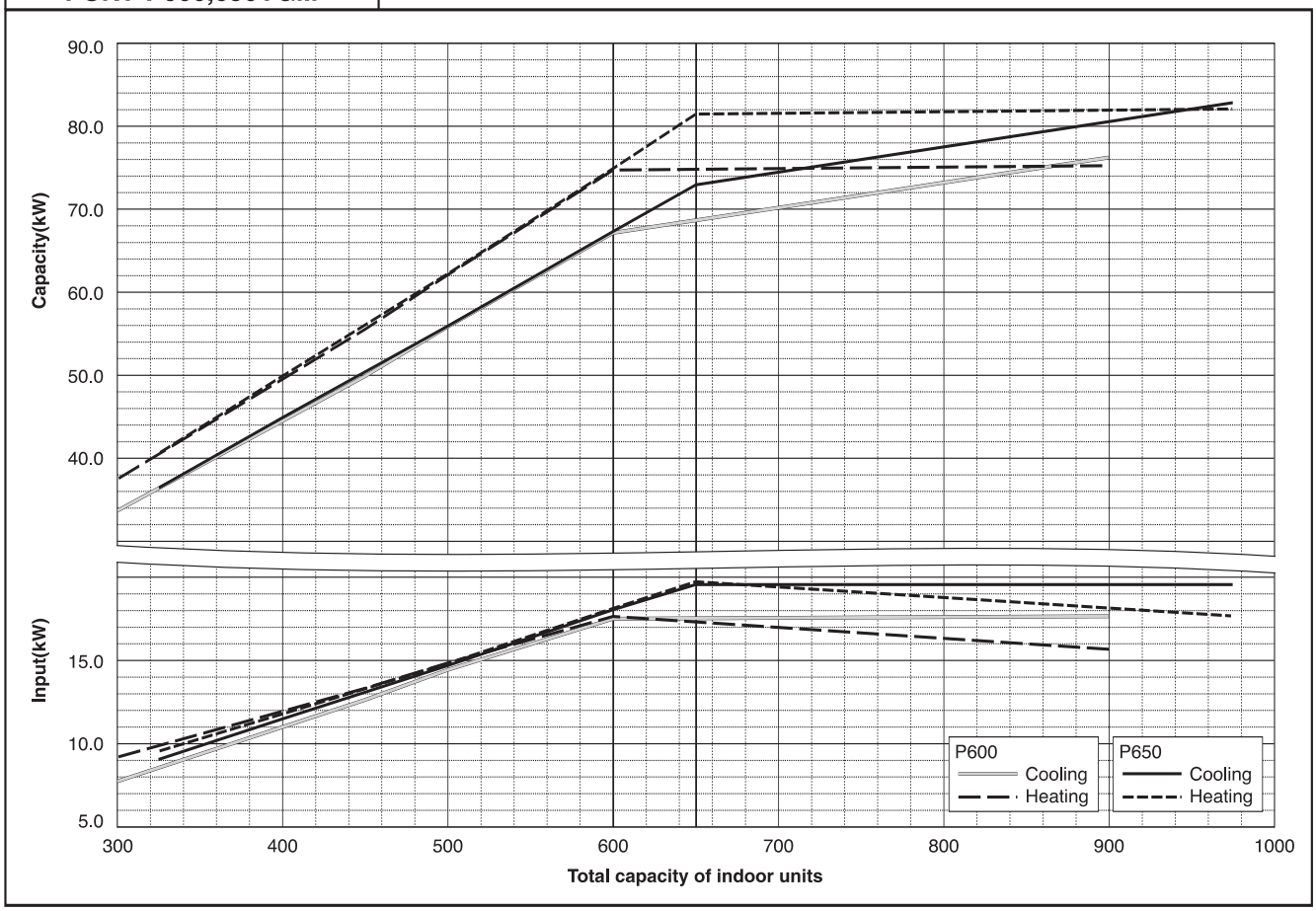


Ref: cbti-pury500-550ygm

2-2. Correction by total indoor

CITY MULTI™ system has different capacity and input at different total capacity of indoor unit connected. Using following tables, the maximum capacity can be observed so as to ensure the system having enough capacity.

PURY-P600,650YGM



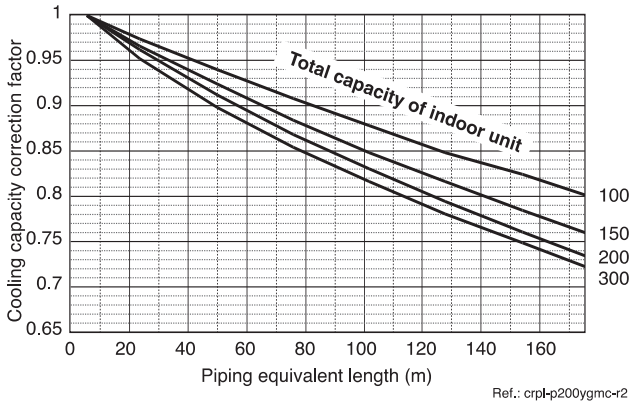
Ref: cbti-pury600-650ygm

2-3. Correction by refrigerant piping length

CITY MULTI™ system can extend the piping flexibly within its limitation for the actual situation. Yet, a decrease of cooling/heating capacity could happen correspondently. Using following correction factor according to the equivalent length of the piping shown at 2.3a and 2.3b, the capacity can be observed. 2.3c shows how to obtain the equivalent length of piping.

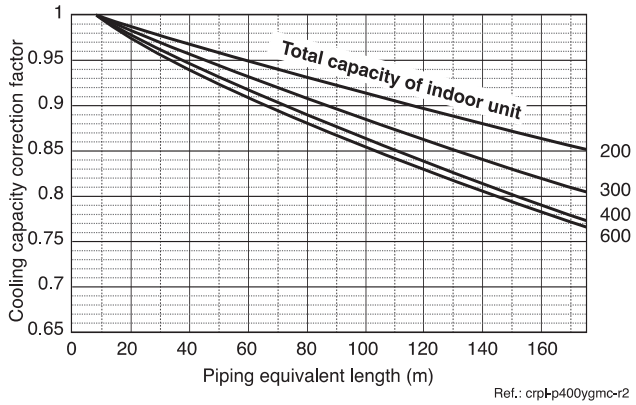
2-3a. Cooling capacity correction

PURY-P200YGM



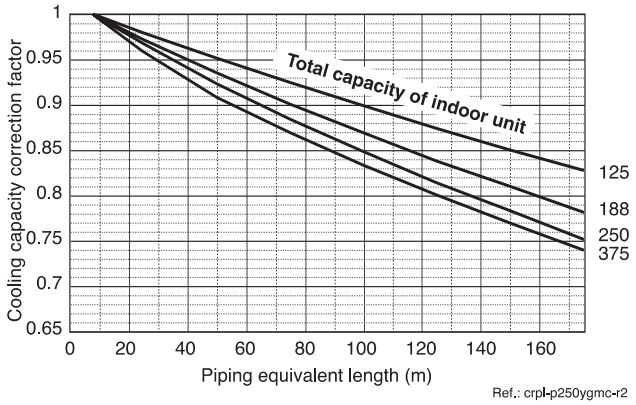
Ref.: crpl-p200ygmc-r2

PURY-P400YGM



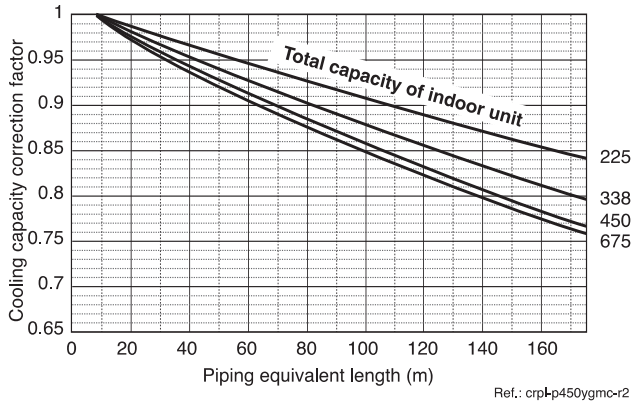
Ref.: crpl-p400ygmc-r2

PURY-P250YGM



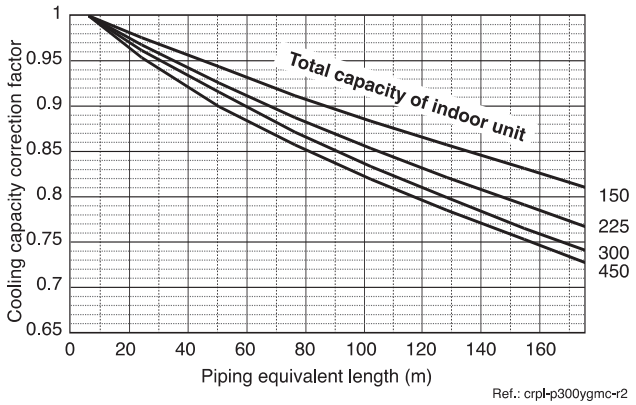
Ref.: crpl-p250ygmc-r2

PURY-P450YGM



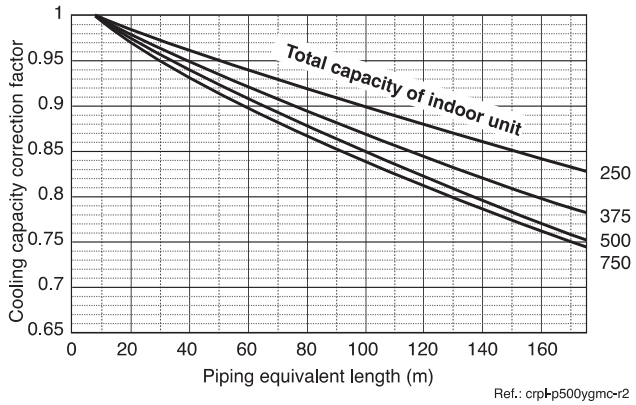
Ref.: crpl-p450ygmc-r2

PURY-P300YGM



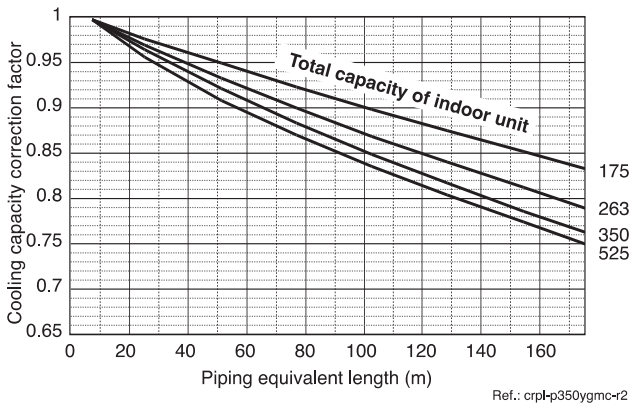
Ref.: crpl-p300ygmc-r2

PURY-P500YGM



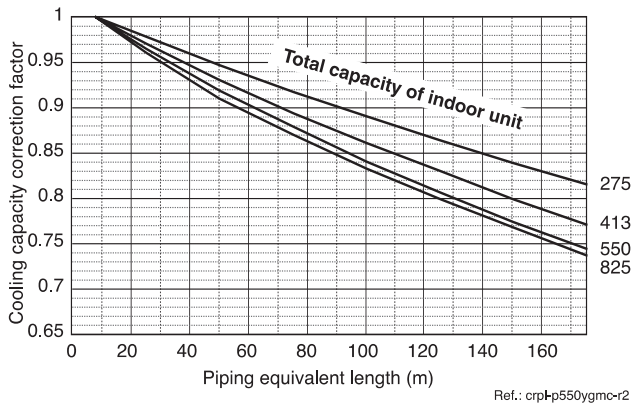
Ref.: crpl-p500ygmc-r2

PURY-P350YGM



Ref.: crpl-p350ygmc-r2

PURY-P550YGM



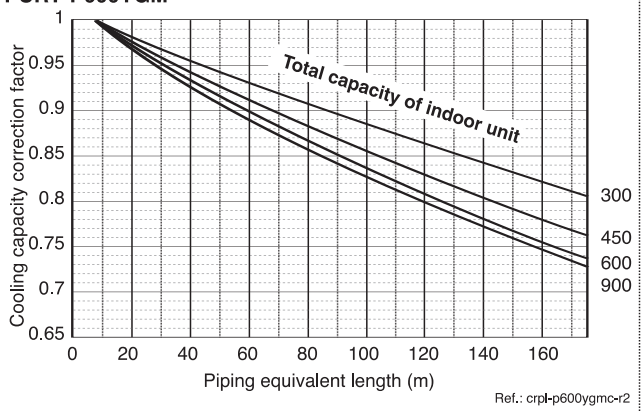
Ref.: crpl-p550ygmc-r2

2-3. Correction by refrigerant piping length

CITY MULTI™ system can extend the piping flexibly within its limitation for the actual situation. Yet, a decrease of cooling/heating capacity could happen correspondently. Using following correction factor according to the equivalent length of the piping shown at 2.3a and 2.3b, the capacity can be observed. 2.3c shows how to obtain the equivalent length of piping.

2-3a. Cooling capacity correction

PURY-P600YGM



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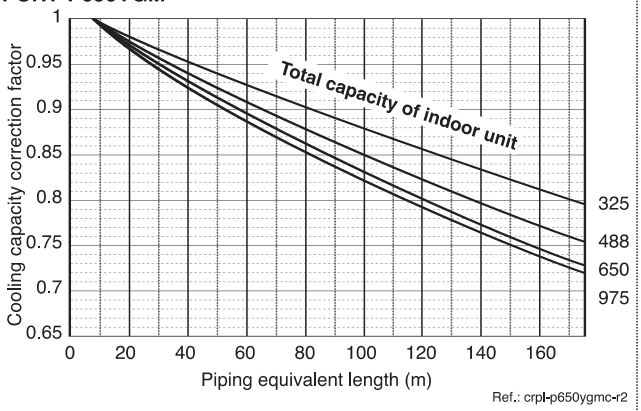
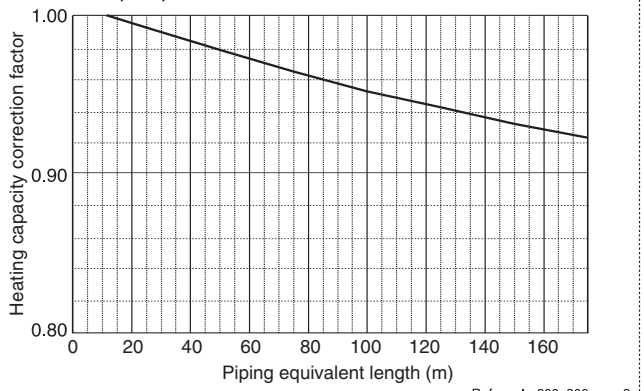
PURY-P650YGM



Ref.: crpl-p650ygmc-r2

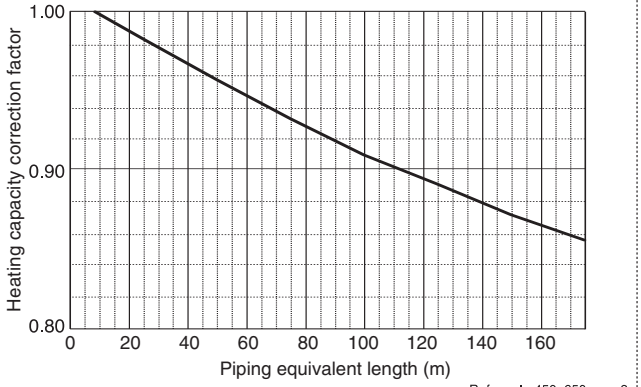
2-3b. Heating capacity correction

PURY-P200,250,300YGM



Ref.: crpl-p200_300ygm-r2

PURY-P450,500,550,600,650YGM



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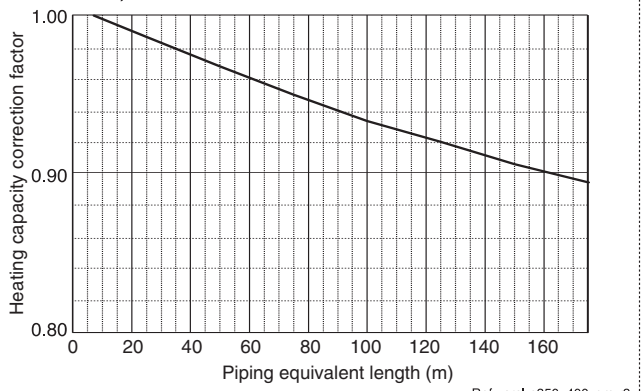
PURY-P350,400YGM



Ref.: crpl-p350_400ygm-r2

2-3c. How to obtain the equivalent length of piping

1 **PU(H)Y, PURY-P200YGM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.35 x number of bent on the piping) m

2 **PU(H)Y, PURY-P250,300YGM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.42 x number of bent on the piping) m

3 **PU(H)Y, PURY-P350YGM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.47 x number of bent on the piping) m

4 **PUHY, PURY-P400,450,500,550,600,650YGM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.50 x number of bent on the piping) m

5 **PUHY-P700,750,800YSGM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.70 x number of bent on the piping) m

6 **PUHY-P850,900,950,1000,1050,1100,1150,1200,1250YSGM**
Equivalent length = (Actual piping length to the farthest indoor unit) + (0.95 x number of bent on the piping) m

2-4. Correction at frosting and defrosting

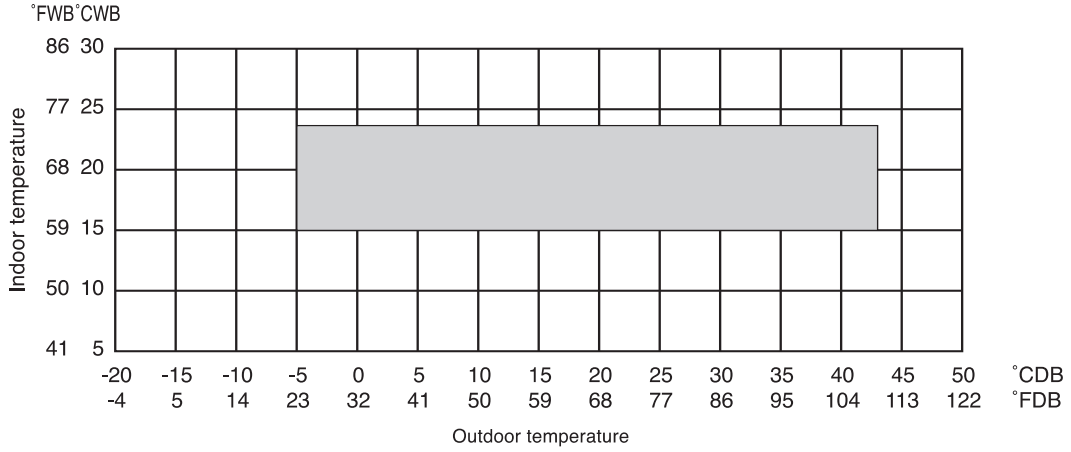
Due to frosting at the outdoor heat exchanger and the automatical defrosting operation, the heating capacity of the outdoor unit should be considered by multiplying the correction factor which shown in the table below.

Table of correction factor at frosting and defrosting

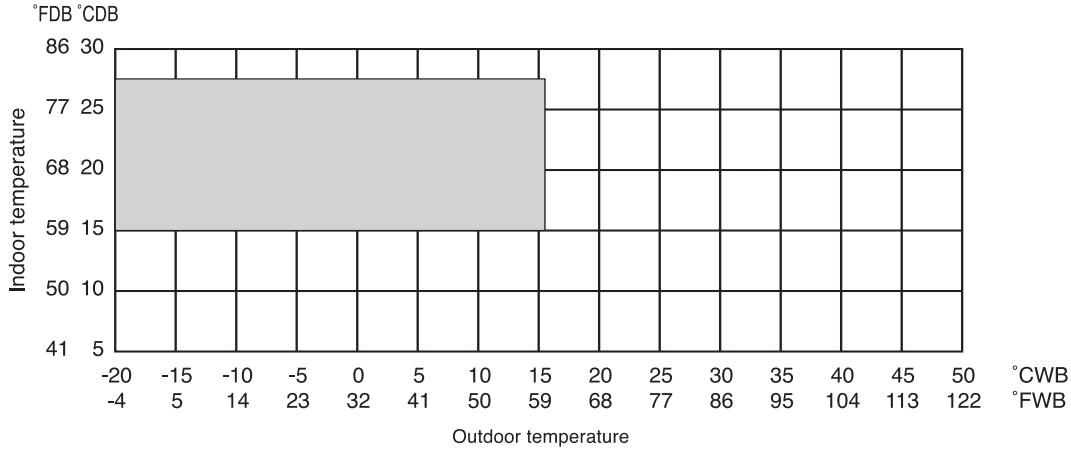
Outdoor inlet air temp. ˚C	6	4	2	1	0	-2	-4	-6	-8	-10	-20
Outdoor inlet air temp. ˚F	43	39	36	34	32	28	25	21	18	14	-4
PUHY,PUY,PURY-P200,250YGM	1.0	0.95	0.84	0.83	0.83	0.87	0.90	0.95	0.95	0.95	0.95
PUHY,PUY,PURY-P300YGM	1.0	0.93	0.82	0.80	0.82	0.86	0.90	0.90	0.95	0.95	0.95
PUHY,PUY,PURY-P350YGM	1.0	0.93	0.85	0.83	0.84	0.86	0.90	0.90	0.95	0.95	0.95
PUHY,PURY-P400YGM	1.0	0.95	0.90	0.87	0.88	0.89	0.90	0.95	0.95	0.95	0.95
PUHY,PURY-P450,500YGM	1.0	0.98	0.89	0.86	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY,PURY-P550,600,650YGM	1.0	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93
PUHY,PURY-P700,750,800YSGM	1.0	0.98	0.89	0.879	0.89	0.90	0.92	0.95	0.95	0.95	0.95
PUHY-P850,900,950,1000YSGM PUHY-P1050,1100,1150,1200,1250YSGM	1.0	0.94	0.87	0.86	0.87	0.88	0.90	0.90	0.93	0.93	0.93

2-5. Temp. range of running

• Cooling

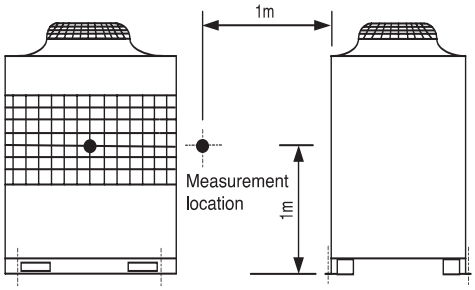


• Heating



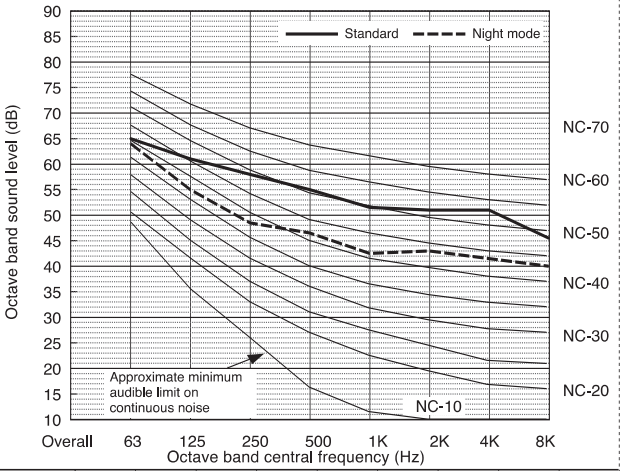
Ref.: tr-ygm-r2

Measurement condition
PURY-P200,250,300,350,400YGM



Sound level of PURY-P300YGM-A(-BS)

Ref. : P300YGM-WYNB0-3635

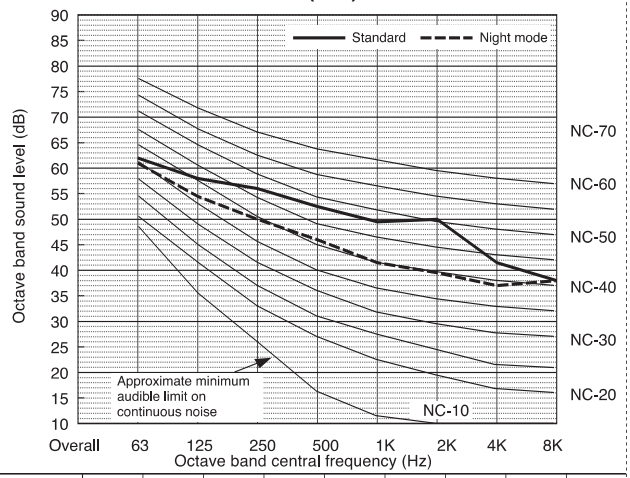


		63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	dB(A)
Standard	50Hz	65	61	58	55	51.5	51	51	45.5	59
	60Hz	65	61	58	55	51.5	51	51	45.5	59
Night mode	50/60Hz	64	55	48.5	46.5	42.5	43	41.5	40	51

* When Night Mode is set, the A/C system's capacity is limited. The system could return to normal operation from Night Mode automatically in the case that the operation condition is severe.

Sound level of PURY-P200YGM-A(-BS)

Ref. : P200YGM-WYNB0-3633

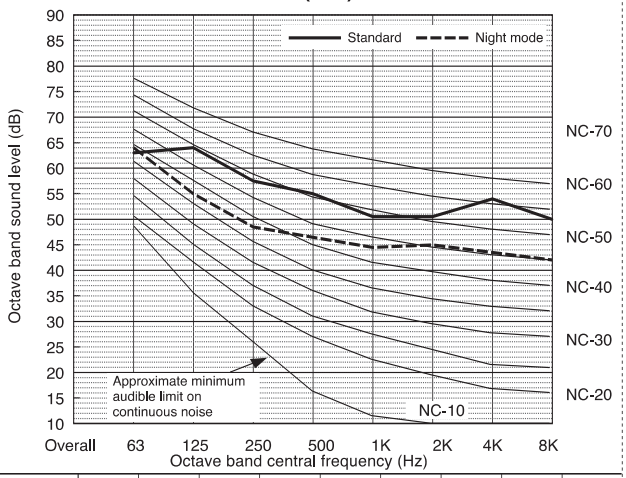


		63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	dB(A)
Standard	50Hz	62	58	56	52.5	49.5	50	41.5	38	56
	60Hz	62	58	56	52.5	49.5	50	41.5	38	56
Night mode	50/60Hz	61	54.5	50	46	41.5	39.5	37	38	49

* When Night Mode is set, the A/C system's capacity is limited. The system could return to normal operation from Night Mode automatically in the case that the operation condition is severe.

Sound level of PURY-P350YGM-A(-BS)

Ref. : P350YGM-WYNB0-3636

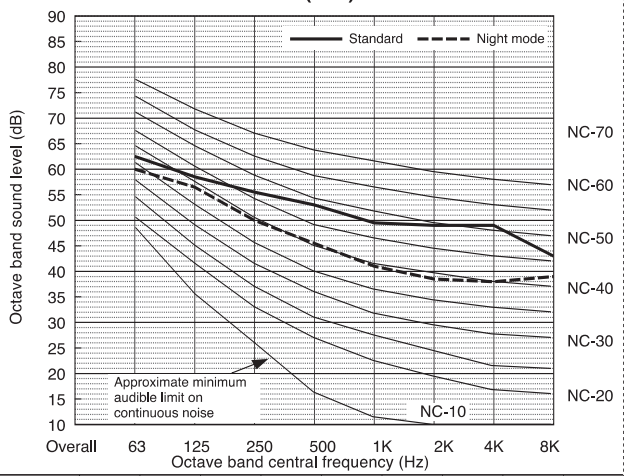


		63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	dB(A)
Standard	50Hz	63	64	57.5	55	50.5	50.5	54	50	60
	60Hz	63	64	57.5	55	50.5	50.5	54	50	60
Night mode	50/60Hz	64	55	48.5	46.5	44.5	45	43.5	42	52

* When Night Mode is set, the A/C system's capacity is limited. The system could return to normal operation from Night Mode automatically in the case that the operation condition is severe.

Sound level of PURY-P250YGM-A(-BS)

Ref. : P250YGM-WYNB0-3634

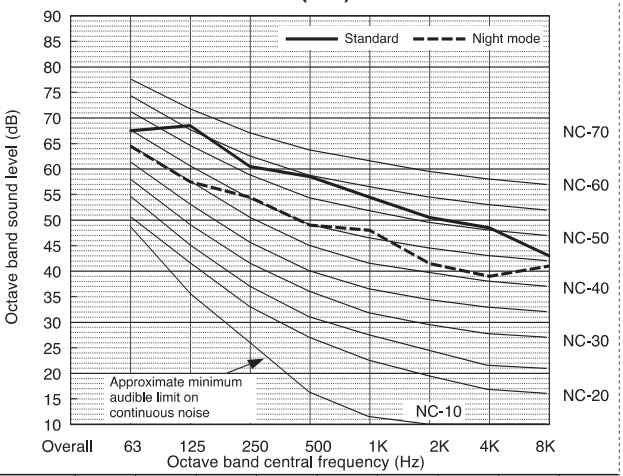


		63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	dB(A)
Standard	50Hz	62.5	58.5	55.5	53	49.5	49	49	43	57
	60Hz	62.5	58.5	55.5	53	49.5	49	49	43	57
Night mode	50/60Hz	60	56.5	50	45.5	41	38.5	38	39	49

* When Night Mode is set, the A/C system's capacity is limited. The system could return to normal operation from Night Mode automatically in the case that the operation condition is severe.

Sound level of PURY-P400YGM-A(-BS)

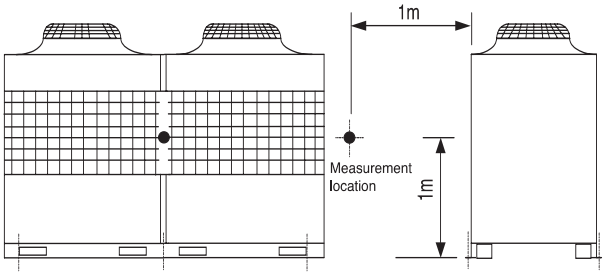
Ref. : P400YGM-WYNB0-3637



		63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	dB(A)
Standard	50Hz	67.5	68.5	60.5	58.5	54.5	50.5	48.5	43	61
	60Hz	67.5	68.5	60.5	58.5	54.5	50.5	48.5	43	61
Night mode	50/60Hz	64.5	57.5	54.5	49	48	41.5	39	41	53

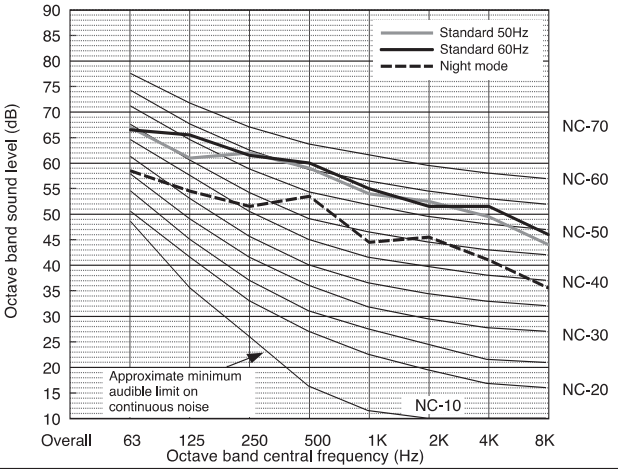
* When Night Mode is set, the A/C system's capacity is limited. The system could return to normal operation from Night Mode automatically in the case that the operation condition is severe.

Measurement condition
PURY-P450,500,550,600,650YGM



Sound level of PURY-P550YGM-A(-BS)

Ref. : P550YGM-WYNB0-3640

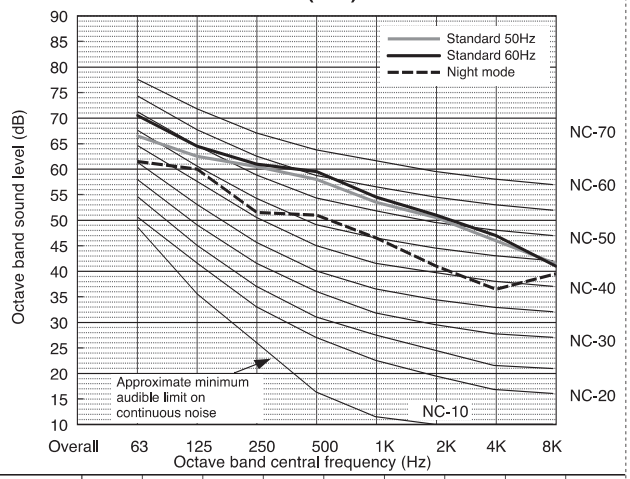


		63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	dB(A)
Standard	50Hz	67	61	62	59	54	52.5	49.5	44	61
	60Hz	66.5	65.5	61.5	60	55	51.5	51.5	46	62
Night mode	50/60Hz	58.5	54.5	51.5	53.5	44.5	45.5	41	35.5	54

* When Night Mode is set, the A/C system's capacity is limited. The system could return to normal operation from Night Mode automatically in the case that the operation condition is severe.

Sound level of PURY-P450YGM-A(-BS)

Ref. : P450YGM-WYNB0-3638

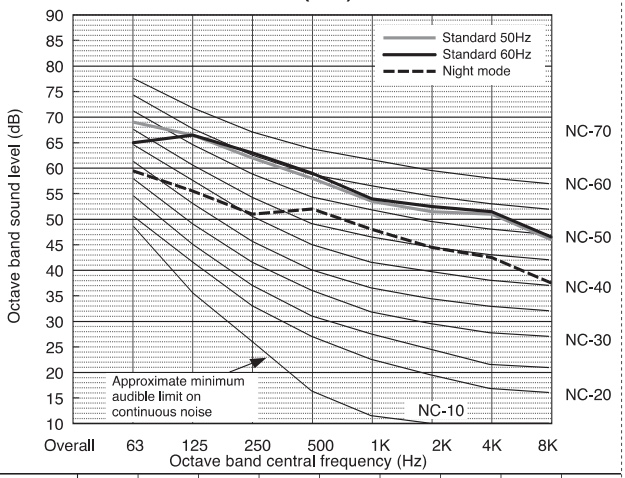


		63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	dB(A)
Standard	50Hz	66.5	62.5	60.5	58	53.5	50.5	46	41.5	60
	60Hz	70.5	64.5	61	59.5	54.5	51	47	41	61
Night mode	50/60Hz	61.5	60	51.5	51	46.5	41	36.5	39.5	53

* When Night Mode is set, the A/C system's capacity is limited. The system could return to normal operation from Night Mode automatically in the case that the operation condition is severe.

Sound level of PURY-P600YGM-A(-BS)

Ref. : P600YGM-WYNB0-3641

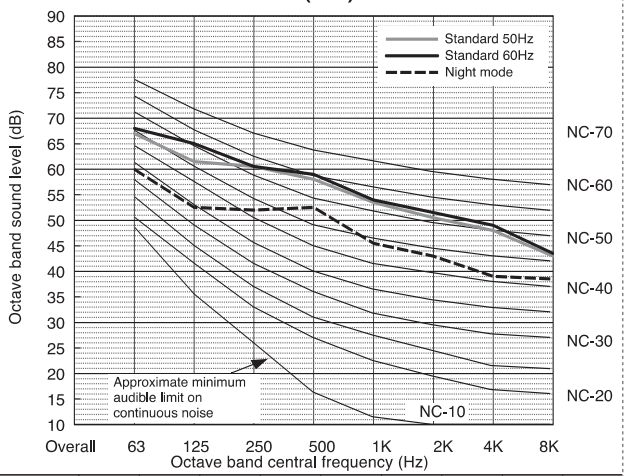


		63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	dB(A)
Standard	50Hz	69	66.5	62	58	53.5	51.5	51	46	61
	60Hz	65	66.5	63	59	54	52.5	51.5	46.5	62
Night mode	50/60Hz	59.5	55.5	51	52	48	44.5	42.5	37.5	54

* When Night Mode is set, the A/C system's capacity is limited. The system could return to normal operation from Night Mode automatically in the case that the operation condition is severe.

Sound level of PURY-P500YGM-A(-BS)

Ref. : P500YGM-WYNB0-3639

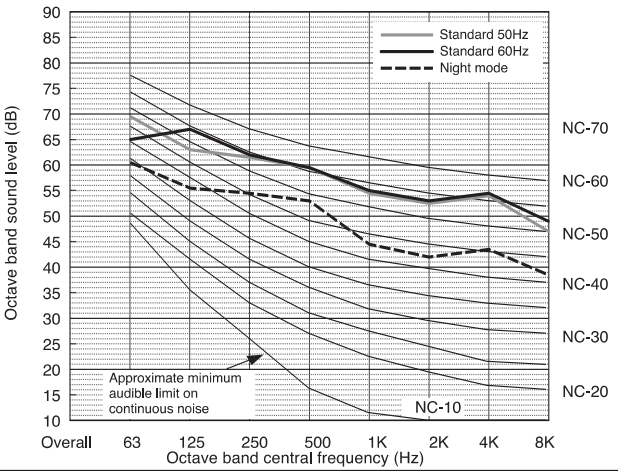


		63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	dB(A)
Standard	50Hz	67	61.5	60.5	58	53.5	50.5	48	43	60
	60Hz	68	65	60.5	59	54	51.5	49	43.5	61
Night mode	50/60Hz	60	52.5	52	52.5	45.5	43	39	38.5	53

* When Night Mode is set, the A/C system's capacity is limited. The system could return to normal operation from Night Mode automatically in the case that the operation condition is severe.

Sound level of PURY-P650YGM-A(-BS)

Ref. : P650YGM-WYNB0-3642

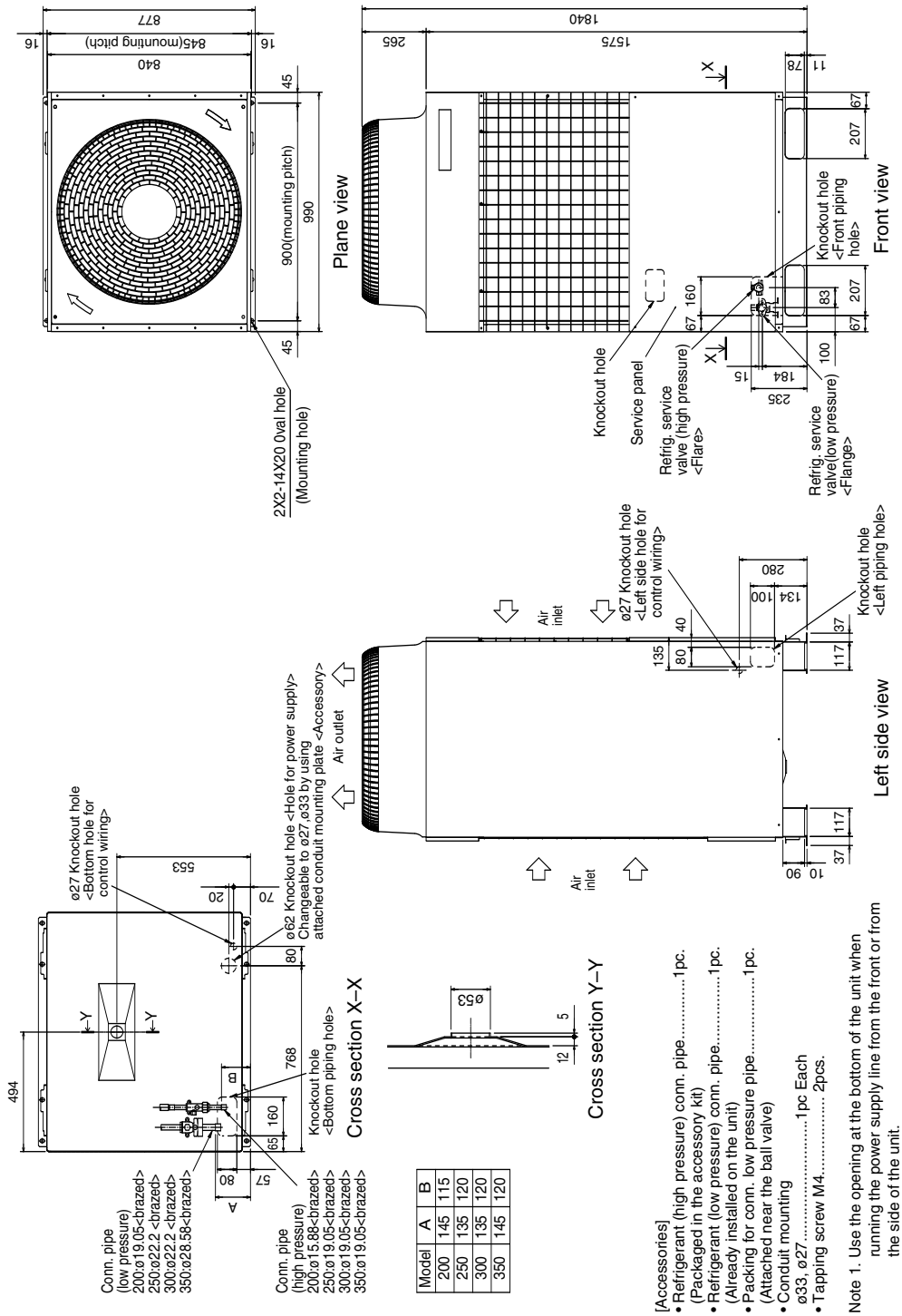


		63Hz	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	8000Hz	dB(A)
Standard	50Hz	69.5	63	61.5	59.5	54.5	52.5	54	47	62
	60Hz	65	67	62	59.5	55	53	54.5	49	62.5
Night mode	50/60Hz	60.5	55.5	54.5	53	44.5	42	43.5	38.5	54

* When Night Mode is set, the A/C system's capacity is limited. The system could return to normal operation from Night Mode automatically in the case that the operation condition is severe.

PURY-P200,250,300,350YGM-A(-BS)

Drw. : YGM-W656-809 1/2
Unit : mm



Model	A	B
200	145	115
250	135	120
300	135	120
350	145	120

[Accessories]
- Refrigerant (high pressure) conn. pipe.....1pc.
  (Packaged in the accessory kit)
- Refrigerant (low pressure) conn. pipe.....1pc.
  (Already installed on the unit)
- Packing for conn. low pressure pipe.....1pc.
  (Attached near the ball valve)
- Conduit mounting
  ø33, ø27.....1pc Each
- Tapping screw M4..... 2pcs.

Note 1. Use the opening at the bottom of the unit when running the power supply line from the front or from the side of the unit.
Note 2. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.

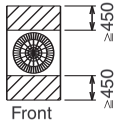
Spacing PURY-P200,250,300,350YGM-A(-BS)

Drw. : YGM-W656-809 2/2
Unit : mm

1.Space required around unit

✻ In case of single installation [Basic rules for spacing the unit]

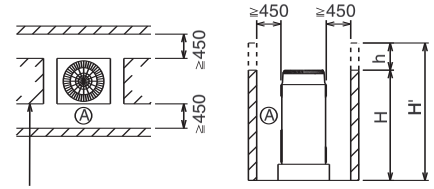
①Since the service from the back of unit is required, provide the back space 450 mm or above as the front.



<Top view>

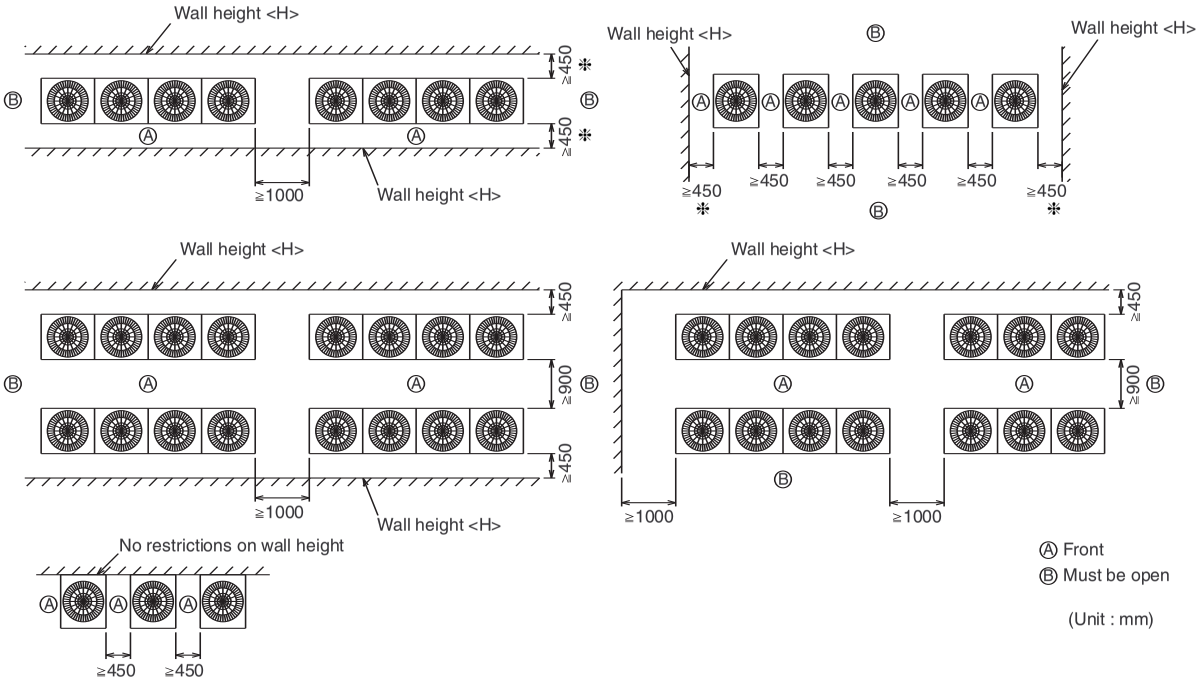
[When inlet air enters from right and left sides of unit]

①Wall heights <H> of the front and the back sides shall be within total height of unit.
②When wall height <H> exceeds total height of unit, add <h> dimension to 450 of the following figure.
h=wall height <H'> -total height of unit.



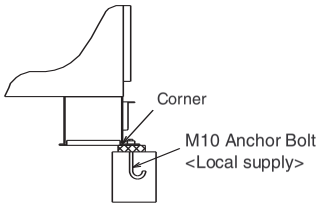
✻ In case of collective installation and continuous installation

①Space required for collective installation and continuous installation:
When installing several units, provide the space between each block considering passage for air and people.
②Open in two directions.
③In case of wall height <H> exceeds total height of unit, add <h> dimension
(h=wall height <H> -total height of unit) to ✻ marked dimension.
④If there is a wall at both the front and the rear of the unit, install up to four units consecutively in the side direction and provide a space of 1000 mm or more as inlet space/passage space for each four units.



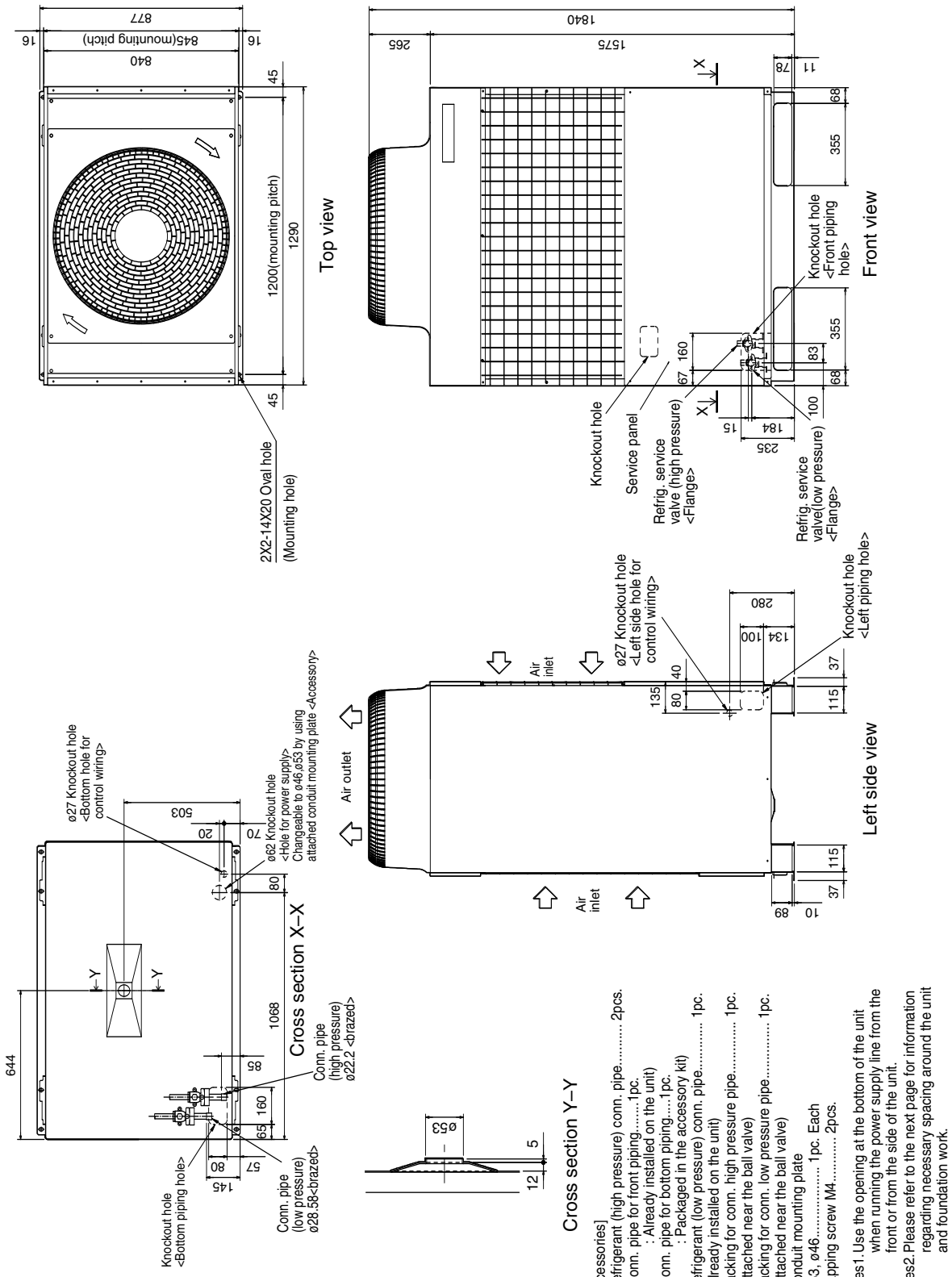
2.Foundation work

①When building the foundation, give full attention to the floor strength, drain water disposal <drain water flows out of the unit, during operation>, piping and wiring routes.
②Be sure that the corners are firmly seated. If the corners are not firmly seated, the installation feet may be bent.
③When down piping and down wiring are performed, be sure that foundation and base work does not block the base through holes.



PURY-P400YGM-A(-BS)

Drw. : YGM-W656-810 1/2
Unit : mm



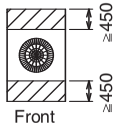
[Accessories]
- Refrigerant (high pressure) conn. pipe..... 2pcs.
  (Conn. pipe for front piping..... 1pc.
  : Already installed on the unit)
  (Conn. pipe for bottom piping..... 1pc.
  : Packaged in the accessory kit)
- Refrigerant (low pressure) conn. pipe..... 1pc.
  (Already installed on the unit)
- Packing for conn. high pressure pipe..... 1pc.
  (Attached near the ball valve)
- Packing for conn. low pressure pipe..... 1pc.
  (Attached near the ball valve)
- Conduit mounting plate
  ø53, ø46..... 1pc. Each
- Tapping screw M4..... 2pcs.

Notes1. Use the opening at the bottom of the unit when running the power supply line from the front or from the side of the unit.
Notes2. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.

1.Space required around unit

✻ In case of single installation [Basic rules for spacing the unit]

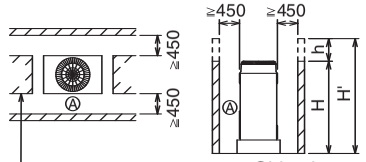
①Since the service from the back of unit is required, provide the back space 450 mm or above as the front.



<Top view>

[When inlet air enters from right and left sides of unit]

①Wall heights <H> of the front and the back sides shall be within total height of unit.
②When wall height <H> exceeds total height of unit, add <h> dimension to 450 of the following figure.
h=wall height <H'> -total height of unit.

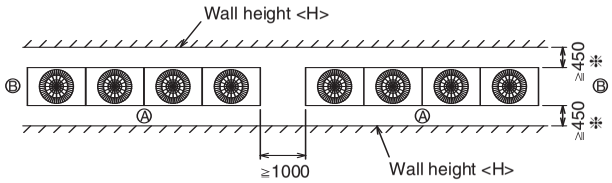


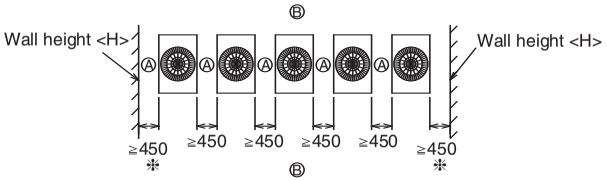
No restrictions on wall height <left and right>

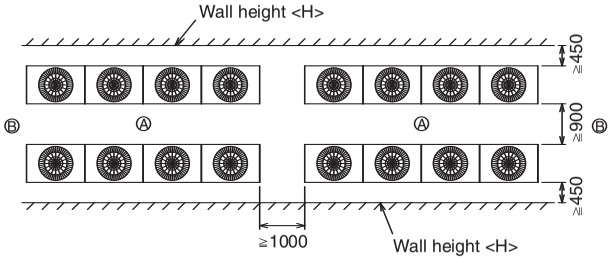
<Side view>

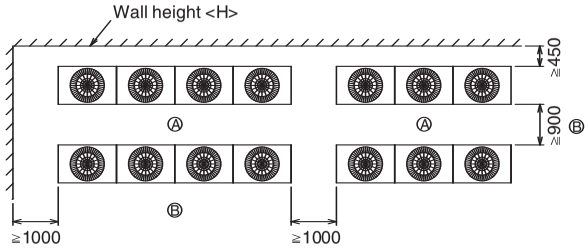
✻ In case of collective installation and continuous installation

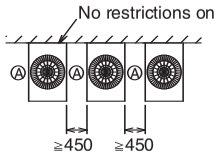
①Space required for collective installation and continuous installation:
When installing several units, provide the space between each block considering passage for air and people.
②Open in two directions.
③In case of wall height <H> exceeds total height of unit, add <h> dimension (h=wall height <H> -total height of unit) to ✻ marked dimension.
④If there is a wall at both the front and the rear of the unit, install up to four units consecutively in the side direction and provide a space of 1000 mm or more as inlet space/passage space for each four units.









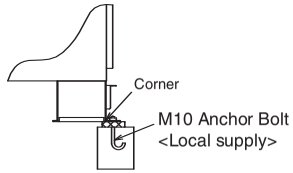


Ⓐ Front
Ⓑ Must be open

(Unit : mm)

2.Foundation work

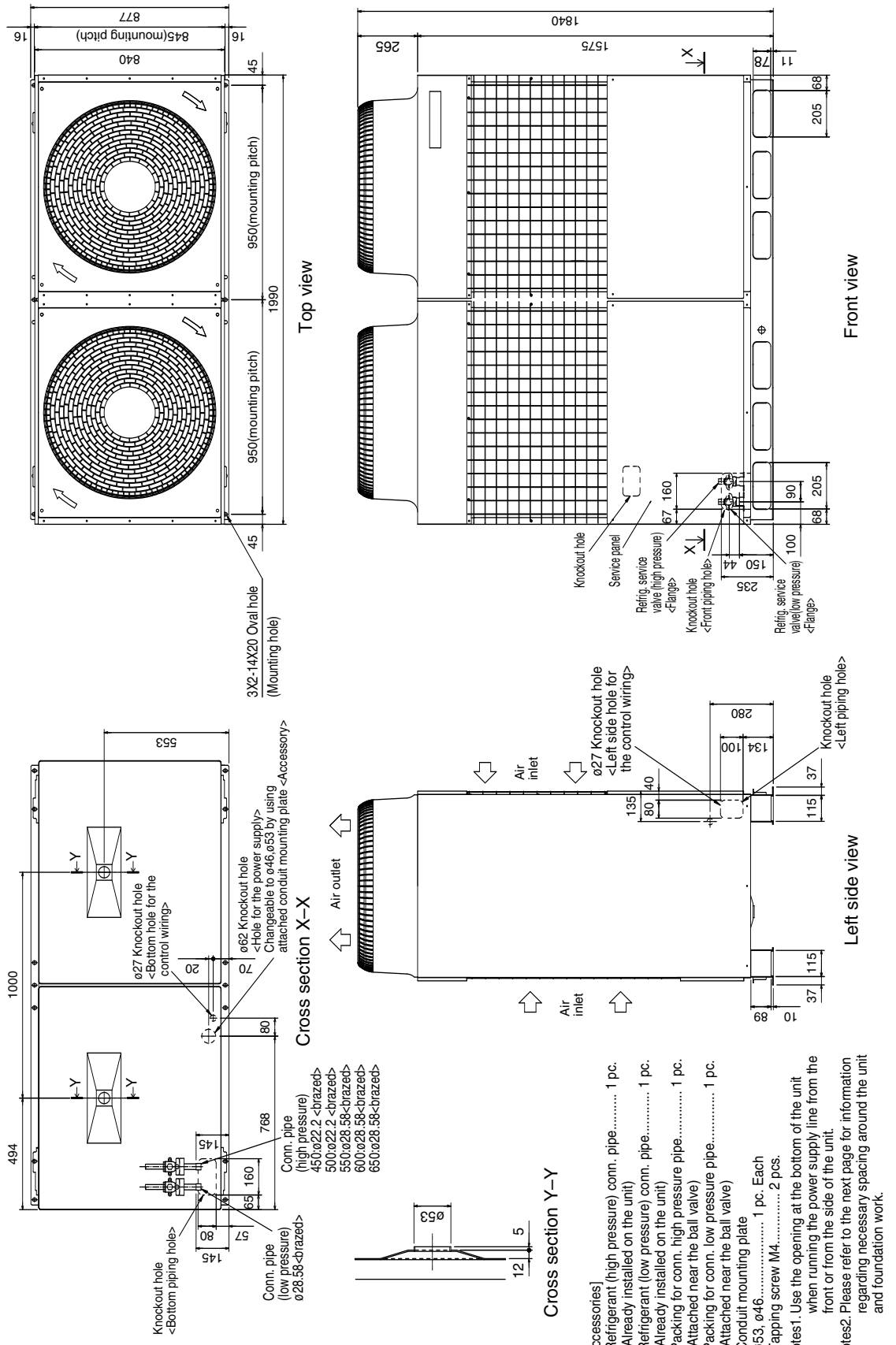
①When building the foundation, give full attention to the floor strength, drain water disposal <drain water flows out of the unit, during operation>, piping and wiring routes.
②Be sure that the corners are firmly seated.If the corners are not firmly seated, the installation feet may be bent.
③When down piping and down wiring are performed, be sure that foundation and base work does not block the base through holes.



Drw. : YGM-W656-810 2/2
Unit : mm

PURY-P450,500,550,600,650YGM-A(-BS)

Drw. : YGM-W656-811 1/2
Unit : mm



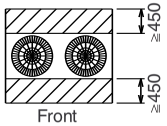
Spacing PURY-P450,500,550,600,650YGM-A(-BS)

Drw. : YGM-W656-811 2/2
Unit : mm

1.Space required around unit

✻ In case of single installation [Basic rules for spacing the unit]

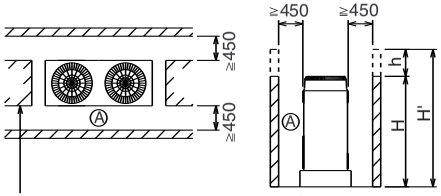
①Since the service from the back of unit is required, provide the back space 450 mm or above as the front.



<Top view>

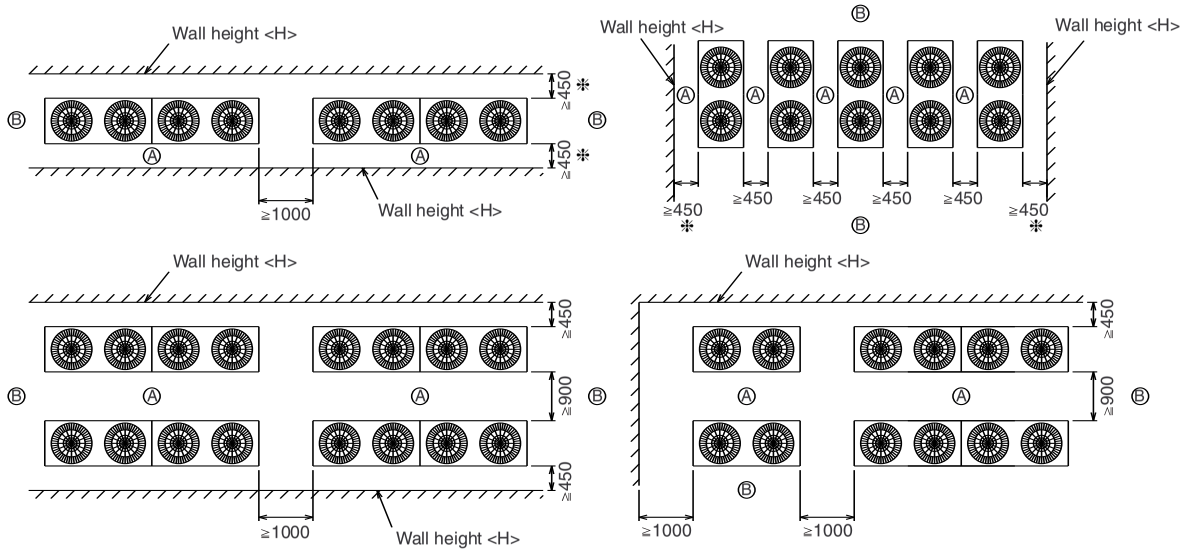
[When inlet air enters from right and left sides of unit]

①Wall heights <H> of the front and the back sides shall be within total height of unit.
②When wall height <H> exceeds total height of unit, add <h> dimension to 450 of the following figure.
h=wall height <H'> -total height of unit.



✻ In case of collective installation and continuous installation

①Space required for collective installation and continuous installation:
When installing several units, provide the space between each block considering passage for air and people.
②Open in two directions.
③In case of wall height <H> exceeds total height of unit, add <h> dimension (h=wall height <H> -total height of unit) to ✻ marked dimension.
④If there is a wall at both the front and the rear of the unit, install up to three units consecutively in the side direction and provide a space of 1000 mm or more as inlet space/passage space for each three units.

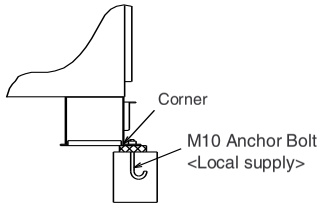


Ⓐ Front
Ⓑ Must be open

(Unit : mm)

2.Foundation work

①When building the foundation, give full attention to the floor strength, drain water disposal <drain water flows out of the unit, during operation>, piping and wiring routes.
②Be sure that the corners are firmly seated. If the corners are not firmly seated, the installation feet may be bent.
③When down piping and down wiring are performed, be sure that foundation and base work does not block the base through holes.



PURY-P200,250,300,350,400YGM-A(-BS)

Drw. : YGM-W274-614

< Symbol explanation >

Symbol	Name
ACCT1	AC Current Sensor
DCCT1 ※3	DC Current Sensor
DCL1	DC reactor (Power factor improvement)
52C1	Magnetic contactor (Inverter main circuit)
MF1	Fan motor (Radiator panel)
CH11	Crank case heater (Compressor)
21S4a	4-way valve
SV1, 2	Solenoid valve (Discharge-suction bypass)
SV4a - d	Solenoid valve (Heat exchanger capacity control)
TH11	Thermistor Discharge pipe temp. detect
TH5	Pipe temp.detect (Hex outlet)
TH6	OA temp.detect
TH7	liquid outlet temp.detect at Sub-cool coil
THHS1	Radiator panel temp. detect
63H1	High pressure switch
63HS	High pressure sensor
63LS	Low pressure sensor
L1, L2	Choke coil (Transmission)
Z20	Function device
⏚	Earth terminal

< Difference of appliance >

Model name	Appliance
PURY-P200YGM-A	" ※3 " do not exist
PURY-P250, 300, 350, 400YGM-A	All exists

※1: Function according to switch operation. (SW4-7, CN3D 1-2P, and CN3D 1-3P)

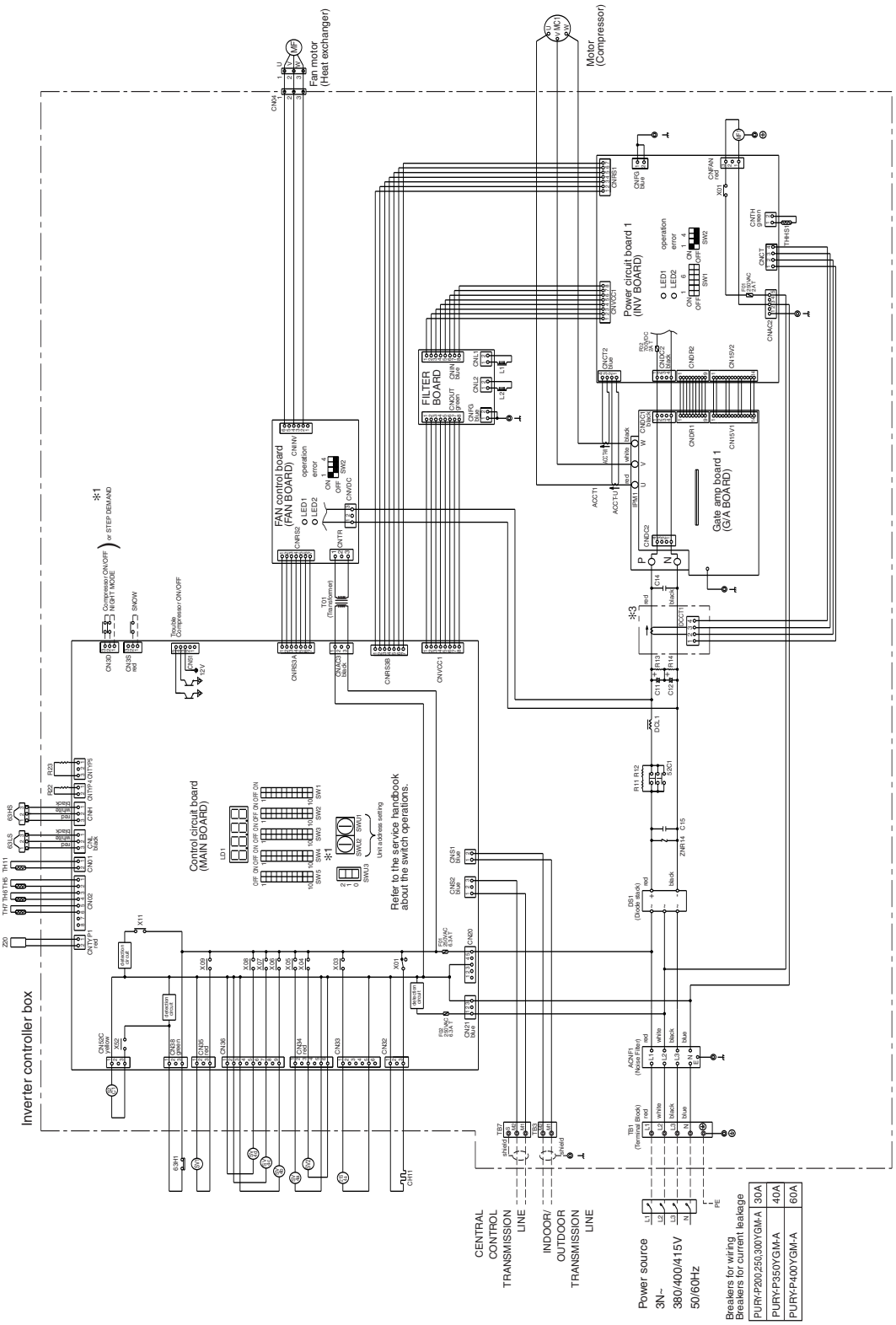
SW4-7:OFF (Compressor ON/OFF and NIGHT MODE)

CN3D 1-3P	Compressor ON/OFF	CN3D 1-2P	NIGHT MODE
OPEN	ON	OPEN	OFF
SHORT	OFF	SHORT	ON

SW4-7:ON (STEP DEMAND)

CN3D 1-2P / CN3D 1-3P	OPEN	SHORT
OPEN	100%	75%
SHORT	0%	50%

NOTE:The broken lines indicate field wiring.



PURY-P450,500,550,600,650YGM-A(-BS)

Drw. : YGM-W274-616

< Symbol explanation >

Symbol	Name
ACCT1	AC Current Sensor
DCCT1	DC Current Sensor
DCL1	DC reactor (Power factor improvement)
52C1	Magnetic contactor (Inverter main circuit)
52C2	Magnetic contactor (No.2 Compressor)
51C2	Overload relay (No.2 Compressor)
52F	Magnetic contactor (Fan motor)
MF3	Fan motor (Radiator panel)
CH11,12	Crank case heater (Compressor)
21S4a, b	4-way valve
SV1, 2, 3	Solenoid valve (Discharge-suction bypass)
SV4a~d	Solenoid valve (Heat exchanger capacity control)
SV5a, b	Thermistor: Discharge pipe temp. detect
TH11,12	Thermistor: Pipe temp.detect (Hex outlet)
TH5	Thermistor: OA temp.detect
TH6	Thermistor: liquid outlet temp.detect at Sub-cool coil
TH7	Thermistor: Radiator panel temp. detect
THHS1	High pressure switch
63H1, 2	High pressure sensor
63HS	Low pressure sensor
63LS	Choke coil (Transmission)
L1, L2	Function device
Z20	Earth terminal

※1: Function according to switch operation. (SW4-7,CN3D 1-2P, and CN3D 1-3P)

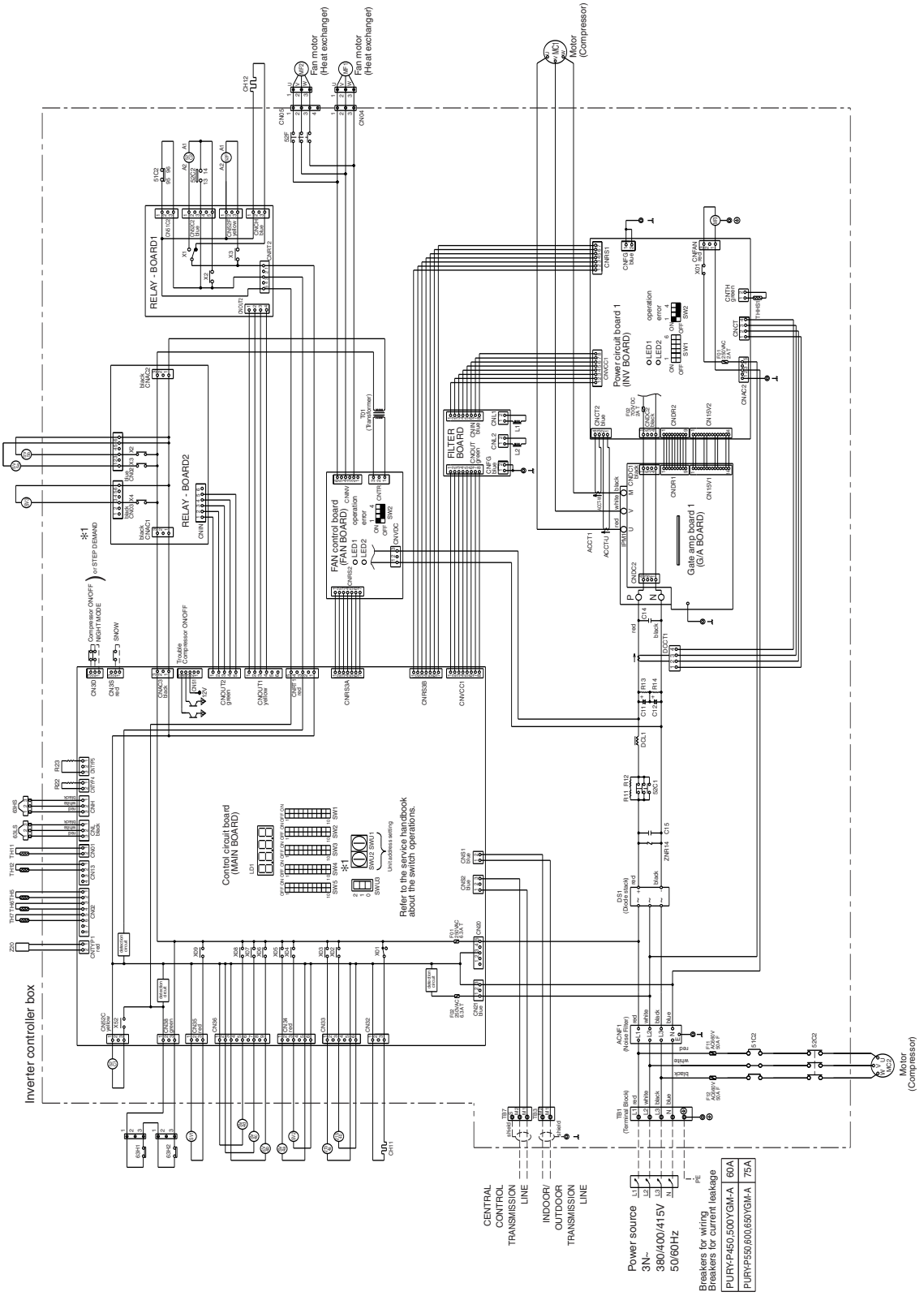
SW4-7:OFF (Compressor ON/OFF and NIGHT MODE)

CN3D 1-3P	Compressor ON/OFF	CN3D 1-2P	NIGHT MODE
OPEN	ON	OPEN	OFF
SHORT	OFF	SHORT	ON

SW4-7:ON (STEP DEMAND)

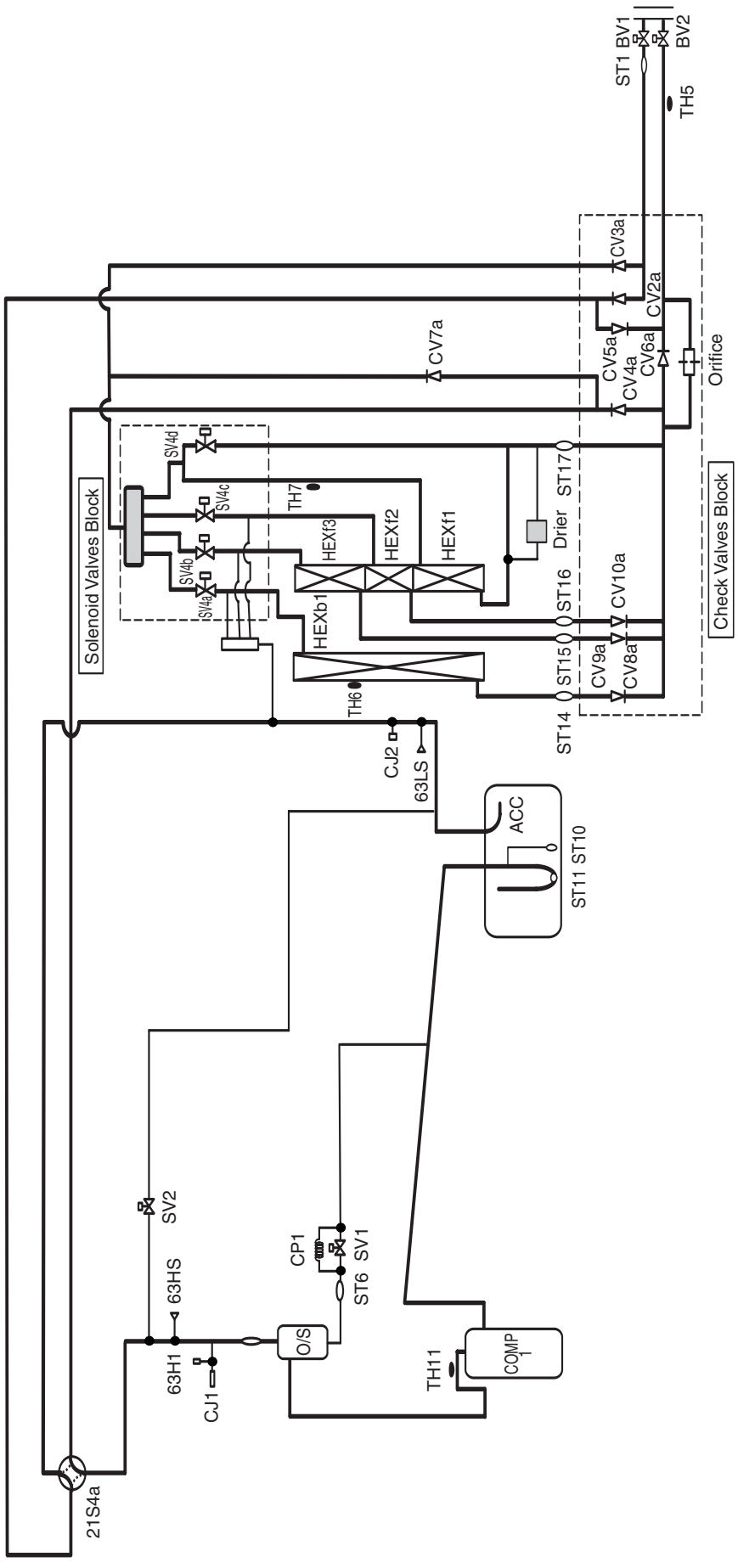
CN3D 1-2P / CN3D 1-3P	OPEN	SHORT
OPEN	100%	75%
SHORT	0%	50%

NOTE:The broken lines indicate field wiring.



PURY-P200,250,300,350,400YGM-A(-BS)

Drw. : YGM-rcd-200-400ygm_R2



PURY-P450,500,550,600,650YGM-A(-BS)

Drw. : YGM-rcd-450-650ygm_R2