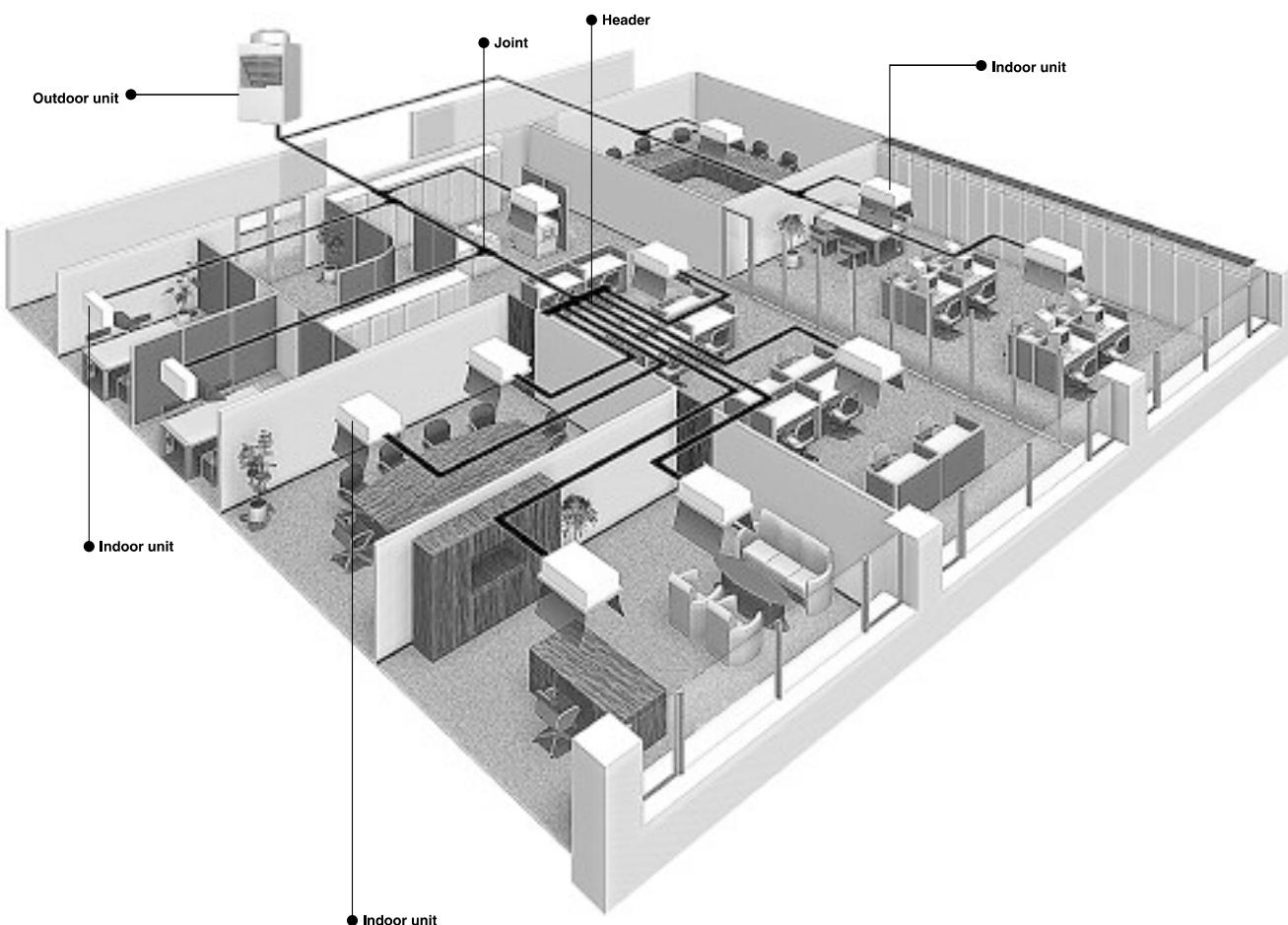


CITY MULTI™ OUTDOOR UNITS

Y SERIES

Y SERIES

- | | |
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Heat pump: PUHY-P-Y(S)GM-A(-BS) Cooling-only: PUY-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	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Y Heat pump	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
Y Cooling-only	●	●	●	●	●																		

1. SPECIFICATIONS

R410A Data G2

Model			PUY-P200YGM-A(-BS)	PUY-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)	
Heating capacity (Nominal)	Outdoor D.B.		- 5 ~ 43°C (23 ~ 109°F) 0 ~ 43°C (32 ~ 109°F) (When the Outdoor is at a position lower than the Indoors)	
	*3 kW		-	-
	*3 kcal / h		-	-
	*3 Btu / h		-	-
	Power input kW		-	-
	Current input A		-	-
	COP (kW / kW)		-	-
	Temp. range of heating	Indoor temp. D.B.	-	
Outdoor temp. W.B.			-	
Indoor unit connectable	Total capacity	50 ~ 130% of outdoor unit capacity		
	Model / Quantity	P20 ~ P250 / 1 ~ 13		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.)	ø9.52 (ø3/8") Flare		ø9.52 (ø3/8") Flare
	Gas (Low press.) mm (in.)	(ø12.7 (ø1/2") Flare, total length >=90m) 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
		72-1/2" x 39" x 33-1/8"	72-1/2" x 39" x 33-1/8"
Net weight	kg (lb)	218 (481)	233 (514)
Heat exchanger		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)
FAN	Lubricant	MEL56	MEL32
	Air flow rate m³ / min	200	200
	L / s	3,333	3,333
	cfm	7,063	7,063
	External static press.	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)
	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
HIC circuit (HIC: Heat Inter-Changer)	Motor output kW	0.38	0.38
	Copper pipe, pipe-in-pipe structure		
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 7.0 kg (16 lb)	R410A x 9.5 kg (21 lb)
	Control	LEV and HIC circuit	
Drawing	External	YGM-W656-818 1/2	
	Wiring	YGM-W274-627	
	Refrigerant circle	YGM-rcd-200-350ygmc	
Standard attachment	Document	Installation Manual	
	Accessory	Details refer to External Drw YGM- W656-818 1/2	
Optional parts		High static pressure motor : PAC-KBU04MT-F (60 Pa) Joint : CMY-Y102S-G Header : CMY-Y104/108/1010-G	High static pressure motor : PAC-KBU04MT-F (60 Pa) Joint : CMY-Y102S/L-G Header : CMY-Y104/108/1010-G
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)	Unit converter kcal/h = kW x 860 Btu/h = kW x 3,412 cfm = m³/min x 35.31 lb = kg / 0.4536
* Nominal conditions *1, *3 are subject to JIS B8615-1. * Due to continuing improvement, above specifications may be subject to change without notice.				
* Above specification data is subject to rounding variation.				

Ref. : Spec_y_p200_250ygm_c

1. SPECIFICATIONS

R410A Data G2

Model		PUY-P300YGM-A(-BS)		PUY-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) 0 ~ 43°C (32 ~ 109°F) (When the Outdoor is at a position lower than the Indoors)		
Heating capacity (Nominal)	*3 kW	-		-	
	*3 kcal / h	-		-	
	*3 Btu / h	-		-	
	Power input kW	-		-	
	Current input A	-		-	
	COP (kW / kW)	-		-	
Temp. range of heating	Indoor temp.	D.B.	-		
	Outdoor temp.	W.B.	-		
Indoor unit connectable	Total capacity		50 ~ 130% of outdoor unit capacity		
	Model / Quantity		P20 ~ P250 / 1 ~ 19	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.)	ø9.52 (ø3/8") Flare (ø12.7 (ø1/2") Flare, total length >=40m)	ø12.7 (ø1/2") Flare	
	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							
		in.	72-1/2" x 39" x 33-1/8"							
Net weight		kg (lb)	233 (514)							
Heat exchanger			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	m³ / min	200	200						
		L / s	3,333	3,333						
		cfm	7,063	7,063						
	External static press.		0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)						
	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		Copper pipe, pipe-in-pipe structure							
	Inverter circuit (COMP. / FAN)		High pressure sensor, High pressure switch 4.15 MPa (601 psi)							
	Compressor		Over-current protection, Over-heat protection							
	Fan motor		Over-heat protection							
Thermal switch										
Defrosting method										
Refrigerant	Type x Original charge		R410A x 9.5 kg (21 lb)	R410A x 9.5 kg (21 lb)						
	Control		LEV and HIC circuit							
Drawing	External		YGM-W656-818 1/2							
	Wiring		YGMW274-627							
	Refrigerant circle		YGM-rcd-200-350ygm							
Standard attachment	Document		Installation Manual							
	Accessory		Details refer to External Drw YGM- W656-818 1/2							
Optional parts			High static pressure motor : PAC-KBU04MT-F (60 Pa) Joint : CMY-Y102S/L-G Header : CMY-Y104/108/1010-G							
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	Unit converter
Indoor :	27°CDB/19°CWB (81°FDB/66°FWB)	27°CDB/19.5°CWB (81°FDB/67°FWB)	20°CDB (68°FDB)	kcal/h = kW x 860
Outdoor :	35°CDB (95°FDB)	35°CDB (95°FDB)	7°CDB/6°CWB (45°FDB/43°FWB)	Btu/h = kW x 3,412
Pipe length :	7.5 m (24-9/16 ft)	5 m (16-3/8 ft)	7.5 m (24-9/16 ft)	cfm = m³/min x 35.31
Level difference :	0 m (0 ft)	0 m (0 ft)	0 m (0 ft)	lb = kg / 0.4536

* Nominal conditions *1, *3 are subject to JIS B8615-1.

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

* Above specification data is subject to rounding variation.

Ref. : Spec_y_p300_350ygm_c

1. SPECIFICATIONS

R410A Data G2

Model		PUHY-P200YGM-A(-BS)		PUHY-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) 0 ~ 43°C (32 ~ 109°F) (When the Outdoor is at a position lower than the Indoors)		
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 ~ 130% of outdoor unit capacity		
	Model / Quantity	P20 ~ P250 / 1 ~ 13		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.)	ø9.52 (ø3/8") Flare	ø9.52 (ø3/8") Flare	(ø12.7 (ø1/2") Flare, total length >=90m)	
	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)	218 (481)	233 (514)	
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 m³ / min	200	200		
		3,333	3,333		
		7,063	7,063		
	External static press.	0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)		
	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					
Refrigerant	Type x Original charge	Auto-defrost mode (Reversed refrigerant circle)			
	Control	R410A x 7.0 kg (16 lb)			
Drawing	External	R410A x 9.5 kg (21 lb)			
	Wiring	LEV and HIC circuit			
	Refrigerant circle	YGM-W656-818 1/2			
Standard attachment	Document	YGM-W274-627			
	Accessory	YGM-rcd-200-350ygmp			
Optional parts	Installation Manual				
	Details refer to External Drw YGM-W656-818 1/2				
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)	Unit converter kcal/h = kW x 860 Btu/h = kW x 3,412 cfm = m³/min x 35.31 lb = kg / 0.4536
* Nominal conditions *1, *3 are subject to JIS B8615-1. * Due to continuing improvement, above specifications may be subject to change without notice.				

Ref. : Spec_y_p200_250ygmp

1. SPECIFICATIONS

R410A Data G2

Model			PUHY-P300YGM-A(-BS)	PUHY-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) 0 ~ 43°C (32 ~ 109°F) (When the Outdoor is at a position lower than the Indoors)	
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 ~ 130% of outdoor unit capacity	
	Model / Quantity		P20 ~ P250 / 1 ~ 19	P20 ~ P250 / 1 ~ 20
Noise level (measured in anechoic room)			59 / 59	60 / 60
Diameter of refrigerant pipe	Liquid (High press.)	mm (in.)	ø9.52 (ø3/8") Flare (ø12.7 (ø1/2") Flare, total length >=40m)	ø12.7 (ø1/2") Flare
	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)	233 (514)	233 (514)
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	m³ / min	200	200
		L / s	3,333	3,333
		cfm	7,063	7,063
	External static press.		0 Pa (0 mmH₂O)	0 Pa (0 mmH₂O)
	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
HIC circuit (HIC: Heat Inter-Changer)	Motor output	kW	0.38	0.38
			Copper pipe, pipe-in-pipe structure	
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 9.5 kg (21 lb)	R410A x 9.5 kg (21 lb)
	Control		LEV and HIC circuit	
Drawing	External		YGM-W656-818 1/2	
	Wiring		YGM-W274-627	
	Refrigerant circle		YGM-rcd-200-350ygmhp	
Standard attachment	Document		Installation Manual	
	Accessory		Details refer to External Drw YGM-W656-818 1/2	
Optional parts			High static pressure motor : PAC-KBU04MT-F (60 Pa) Joint : CMY-Y102S/L-G Header : CMY-Y104/108/1010-G	
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	Unit converter
Indoor :	27°CDB/19°CWB (81°FDB/66°FWB)	27°CDB/19.5°CWB (81°FDB/67°FWB)	20°CDB (68°FDB)	kcal/h = kW x 860
Outdoor :	35°CDB (95°FDB)	35°CDB (95°FDB)	7°CDB/6°CWB (45°FDB/43°FWB)	Btu/h = kW x 3,412
Pipe length :	7.5 m (24-9/16 ft)	5 m (16-3/8 ft)	7.5 m (24-9/16 ft)	cfm = m³/min x 35.31
Level difference :	0 m (0 ft)	0 m (0 ft)	0 m (0 ft)	lb = kg / 0.4536

* Nominal conditions *1, *3 are subject to JIS B8615-1.

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

* Above specification data is subject to rounding variation.

Ref. : Spec_y_p300_350ygm

1. SPECIFICATIONS

R410A Data G2

Model	PUHY-P400YGM-A(-BS)			PUHY-P450YGM-A(-BS)				
Power source	3-phase 4-wire 380-400-415V 50 / 60Hz							
Cooling capacity (Nominal)	*1 kW *1 kcal / h *1 Btu / h *2 kcal / h Power input kW Current input A COP (kW / kW)	45.0		50.0				
		38,700		43,000				
		153,500		170,600				
		40,000		45,000				
		13.42		13.61				
		22.6 / 21.5 / 20.7		22.9 / 21.8 / 21.0				
		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)					
	0 ~ 43°C (32 ~ 109°F) (When the Outdoor is at a position lower than the Indoors)							
Heating capacity (Nominal)	*3 kW *3 kcal / h *3 Btu / h Power input kW Current input A COP (kW / kW)	50.0		56.0				
		43,000		48,200				
		170,600		191,100				
		12.43		13.86				
		20.9 / 19.9 / 19.2		23.3 / 22.2 / 21.4				
		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 ~ 130% of outdoor unit capacity						
	Model / Quantity	P20 ~ P250 / 1 ~ 22		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.)	ø12.7 (ø1/2") Flare	ø15.88 (ø5/8") Flare				
	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)	275 (607)		455 (1,004)					
Heat exchanger	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							
FAN	Air flow rate	m³ / min	240	400					
		L / s	4,000	6,667					
		cfm	8,476	14,126					
	External static press.	0 Pa (0 mmH₂O)		0 Pa (0 mmH₂O)					
	Type x Quantity	Propeller fan x 1		Propeller fan x 2					
	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)	Copper pipe, pipe-in-pipe structure								
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 22.0 kg (49 lb)					
	Control	LEV and HIC circuit							
Drawing	External	YGM-W656-819 1/2		YGM-W656-820 1/2					
	Wiring	YGM-W274-627		YGM-W274-629					
	Refrigerant circle	YGM-rcd-400ygmhp		YGM-rcd-450-650ygmhp					
Standard attachment	Document	Installation Manual		Installation Manual					
	Accessory	Details refer to External Drw YGM-W656-819 1/2		Details refer to External Drw YGM-W656-820 1/2					
Optional parts	High static pressure motor : PAC-KBU04MT-F (60 Pa)		High static pressure motor : PAC-KBU04MT-F (60 Pa)		Joint : CMY-Y102S/L-G, CMY-Y202-G1				
	Joint : CMY-Y102S/L-G		Joint : CMY-Y102S/L-G, CMY-Y202-G1		Header : CMY-Y104/108/1010-G				
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)	Unit converter kcal/h = kW x 860 Btu/h = kW x 3,412 cfm = m³/min x 35.31 lb = kg / 0.4536
* Nominal conditions *1, *3 are subject to JIS B8615-1. * Due to continuing improvement, above specifications may be subject to change without notice.				

Ref. : Spec_y_p400_450ygm

1. SPECIFICATIONS

R410A Data G2

Model			PUHY-P500YGM-A(-BS)	PUHY-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) 0 ~ 43°C (32 ~ 109°F) (When the Outdoor is at a position lower than the Indoors)	
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)			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 ~ 130% 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.)	ø15.88 (ø5/8") Flare	ø15.88 (ø5/8") Flare
	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
		in.	72-1/2" x 78-3/8" x 33-1/8"
Net weight		kg (lb)	455 (1,004)
Heat exchanger		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
	Case heater	kW	0.045 x 2 (240V)
	Lubricant	MEL32	
FAN	Air flow rate	m³ / min	400
		L / s	6,667
		cfm	14,126
	External static press.	0 Pa (0 mmH₂O)	
	Type x Quantity	Propeller fan x 2	
	Control, Driving mechanism	Inverter-control, Direct-driven by motor	
HIC circuit (HIC: Heat Inter-Changer)		Copper pipe, pipe-in-pipe structure	
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	LEV and HIC circuit	
Drawing	External	YGM-W656-820 1/2	
	Wiring	YGM-W274-629	
	Refrigerant circle	YGM-rcd-450-650ygmhp	
Standard attachment	Document	Installation Manual	
	Accessory	Details refer to External Drw YGM-W656-820 1/2	
Optional parts		High static pressure motor : PAC-KBU04MT-F (60 Pa) Joint : CMY-Y102S/L-G,CMY-Y202-G1 Header : CMY-Y104/108/1010-G	
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	Unit converter
Indoor :	27°CDB/19°CWB (81°FDB/66°FWB)	27°CDB/19.5°CWB (81°FDB/67°FWB)	20°CDB (68°FDB)	kcal/h = kW x 860
Outdoor :	35°CDB (95°FDB)	35°CDB (95°FDB)	7°CDB/6°CWB (45°FDB/43°FWB)	Btu/h = kW x 3,412
Pipe length :	7.5 m (24-9/16 ft)	5 m (16-3/8 ft)	7.5 m (24-9/16 ft)	cfm = m³/min x 35.31
Level difference :	0 m (0 ft)	0 m (0 ft)	0 m (0 ft)	lb = kg / 0.4536

* Nominal conditions *1, *3 are subject to JIS B8615-1.

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

* Above specification data is subject to rounding variation.

Ref. : Spec_y_p500_550ygm

1. SPECIFICATIONS

R410A Data G2

Model			PUHY-P600YGM-A(-BS)	PUHY-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) 0 ~ 43°C (32 ~ 109°F) (When the Outdoor is at a position lower than the Indoors)	
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 ~ 130% 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.)	ø15.88 (ø5/8") Flare	ø15.88 (ø5/8") Flare
	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
	in.		72-1/2" x 78-3/8" x 33-1/8"
Net weight		kg (lb)	455 (1,004)
Heat exchanger			
Compressor	Type		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
	Case heater kW		0.045 x 2 (240V)
	Lubricant		MEL32
FAN	Air flow rate	m³ / min	400
		L / s	6,667
		cfm	14,126
	External static press.		0 Pa (0 mmH ₂ O)
	Type x Quantity		Propeller fan x 2
	Control, Driving mechanism		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			
Refrigerant	Type x Original charge		Auto-defrost mode (Reversed refrigerant circle)
	Control		LEV and HIC circuit
Drawing	External		YGM-W656-820 1/2
	Wiring		YGM-W274-629
	Refrigerant circle		YGM-rcd-450-650ygmhp
Standard attachment	Document		Installation Manual
	Accessory		Details refer to External Drw YGM-W656-820 1/2
Optional parts		High static pressure motor : PAC-KBU04MT-F (60 Pa) Joint : CMY-Y102S/L-G,CMY-Y202-G1 Header : CMY-Y104/108/1010-G	
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)	Unit converter kcal/h = kW x 860 Btu/h = kW x 3,412 cfm = m³/min x 35.31 lb = kg / 0.4536
* Nominal conditions *1, *3 are subject to JIS B8615-1. * Due to continuing improvement, above specifications may be subject to change without notice.				

Ref. : Spec_y_p600_650ygm

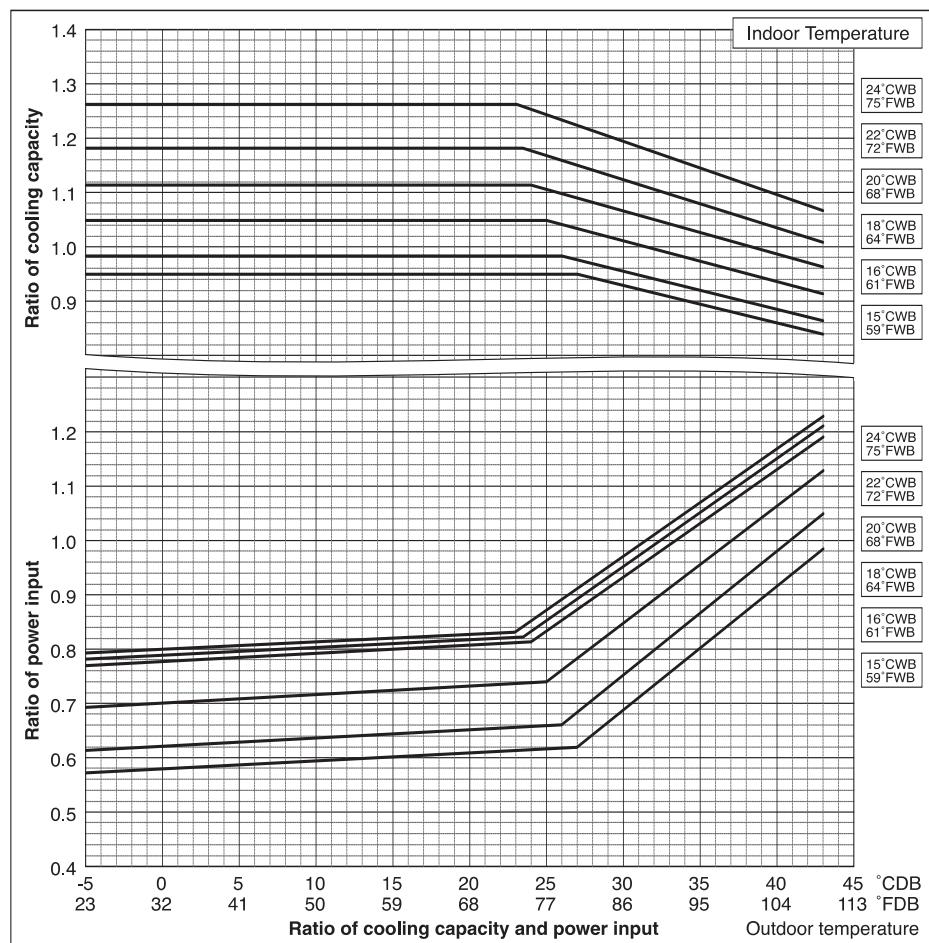
2. CAPACITY TABLES

R410A Data G2

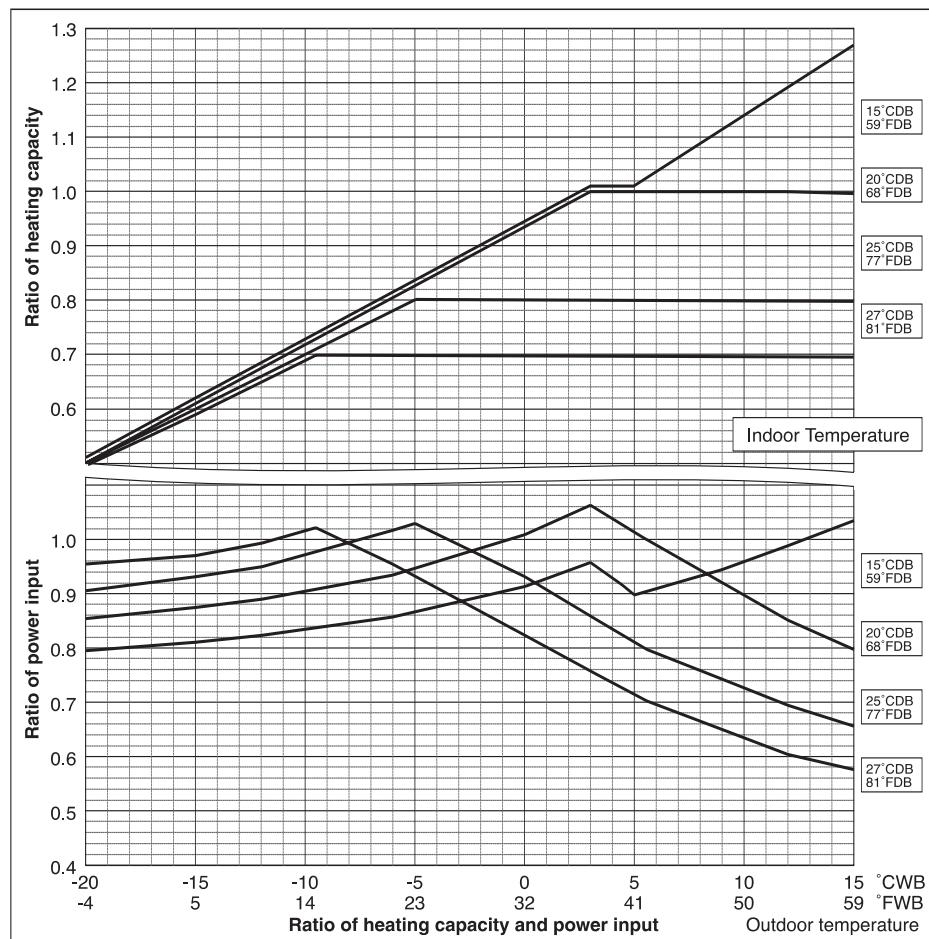
2-1. Correction by temperature

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.

PUHY-	P200YGM	P250YGM
Nominal	kW	22.4
Cooling	kcal/h	19,300
Capacity	Btu/h	76,400
Input	kW	6.14
		7.72



PUHY-	P200YGM	P250YGM
Nominal	kW	25.0
Heating	kcal/h	21,500
Capacity	Btu/h	85,300
Input	kW	5.98
		7.62



2. CAPACITY TABLES

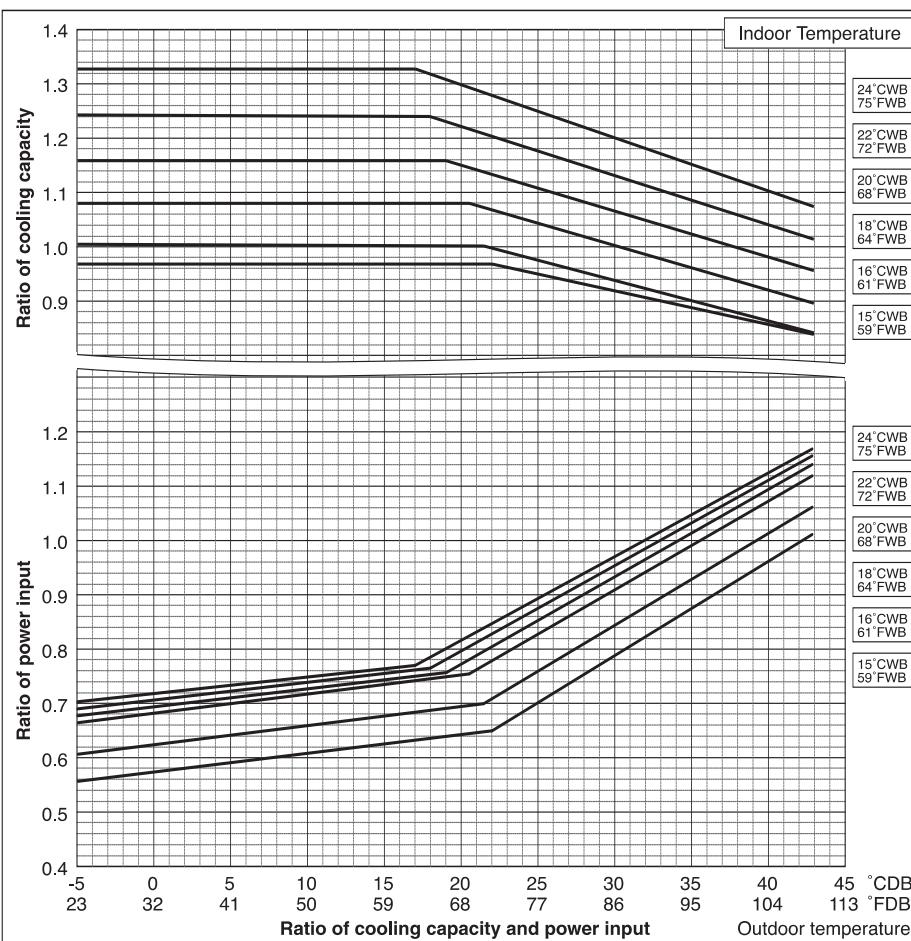
R410A Data G2

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.

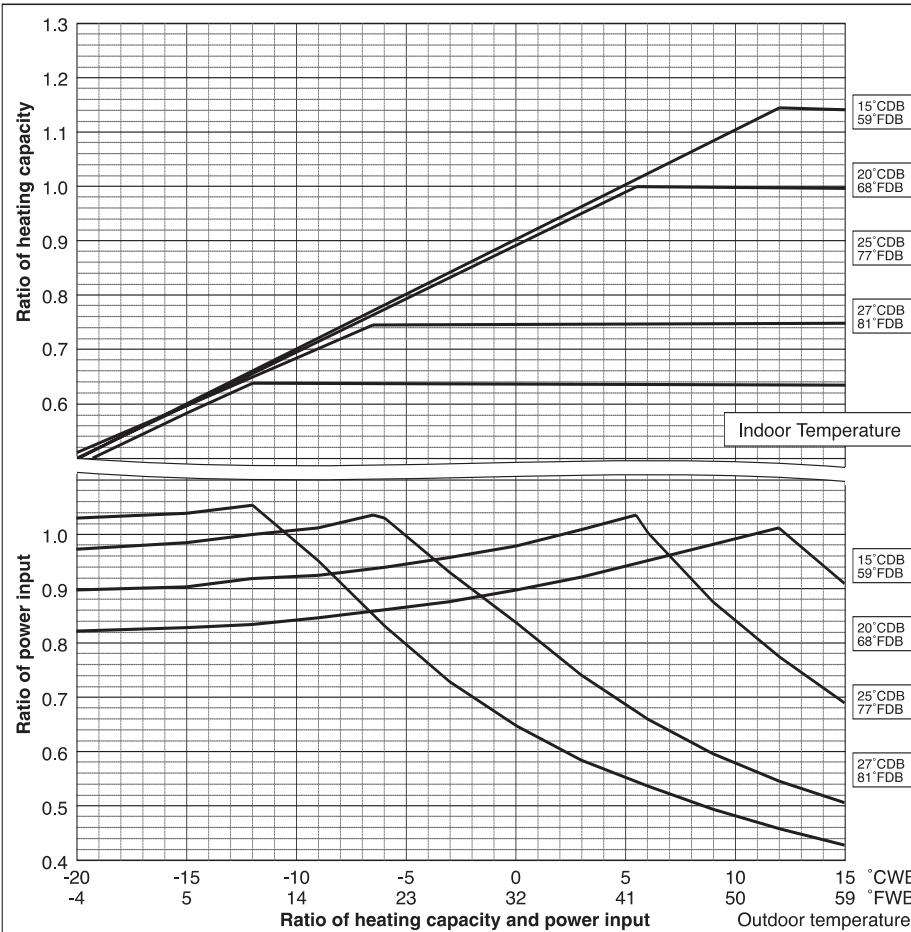
PUHY-	P300YGM	P350YGM
Nominal Cooling Capacity	kW	33.5
	kcal/h	28,800
	Btu/h	114,300
Input	kW	9.57

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



PUHY-	P300YGM	P350YGM
Nominal Heating Capacity	kW	37.5
	kcal/h	32,300
	Btu/h	128,000
Input	kW	9.10

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



2. CAPACITY TABLES

R410A Data G2

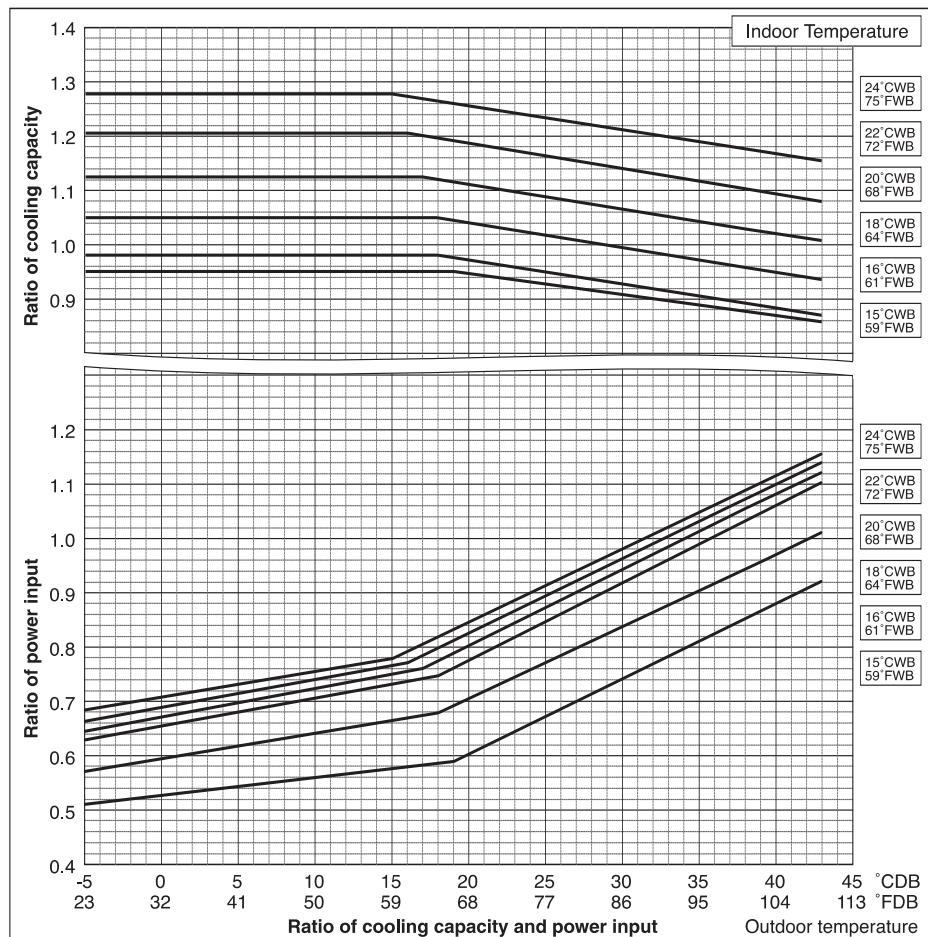
2-1. Correction by temperature

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.

PUHY-	P450YGM	P500YGM
Nominal	kW	50.0
Cooling	kcal/h	43,000
Capacity	Btu/h	170,600
Input	kW	13.61

PUHY-	P550YGM	P600YGM
Nominal	kW	63.0
Cooling	kcal/h	54,200
Capacity	Btu/h	215,000
Input	kW	17.08

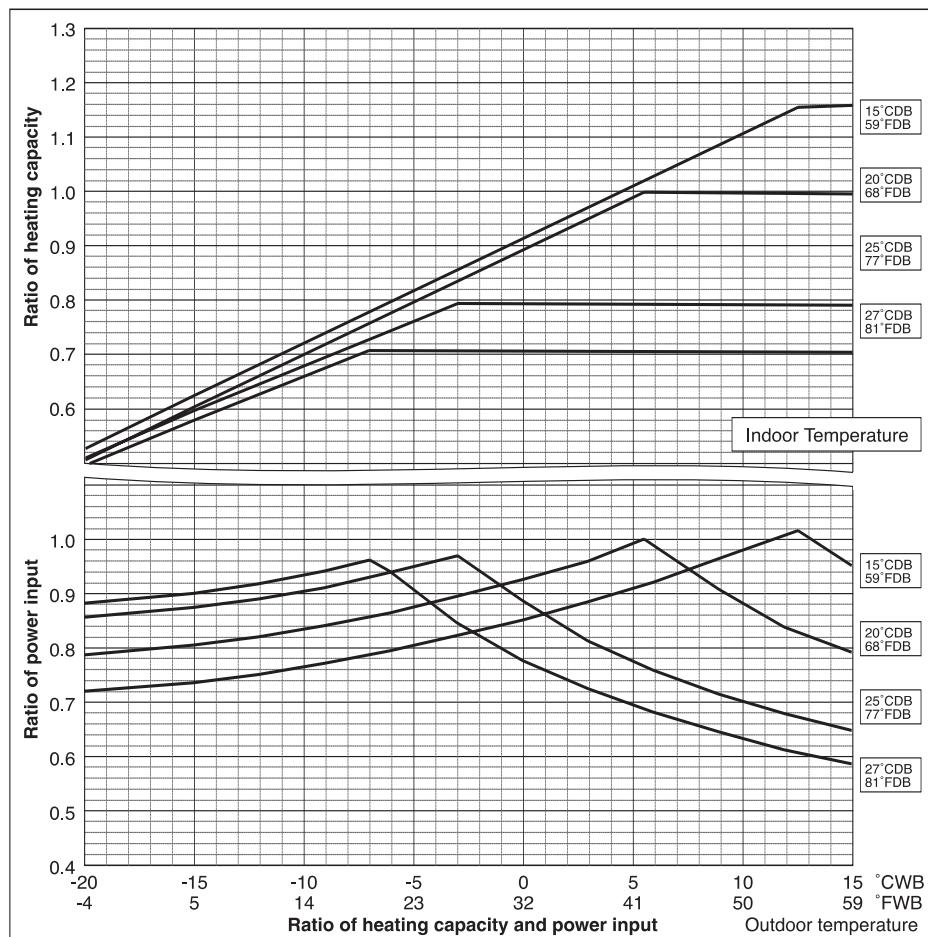
PUHY-	P650YGM	
Nominal	kW	73.0
Cooling	kcal/h	62,800
Capacity	Btu/h	249,100
Input	kW	19.65



PUHY-	P450YGM	P500YGM
Nominal	kW	56.0
Heating	kcal/h	48,200
Capacity	Btu/h	191,100
Input	kW	13.86

PUHY-	P550YGM	P600YGM
Nominal	kW	67.0
Heating	kcal/h	57,600
Capacity	Btu/h	228,600
Input	kW	16.37

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

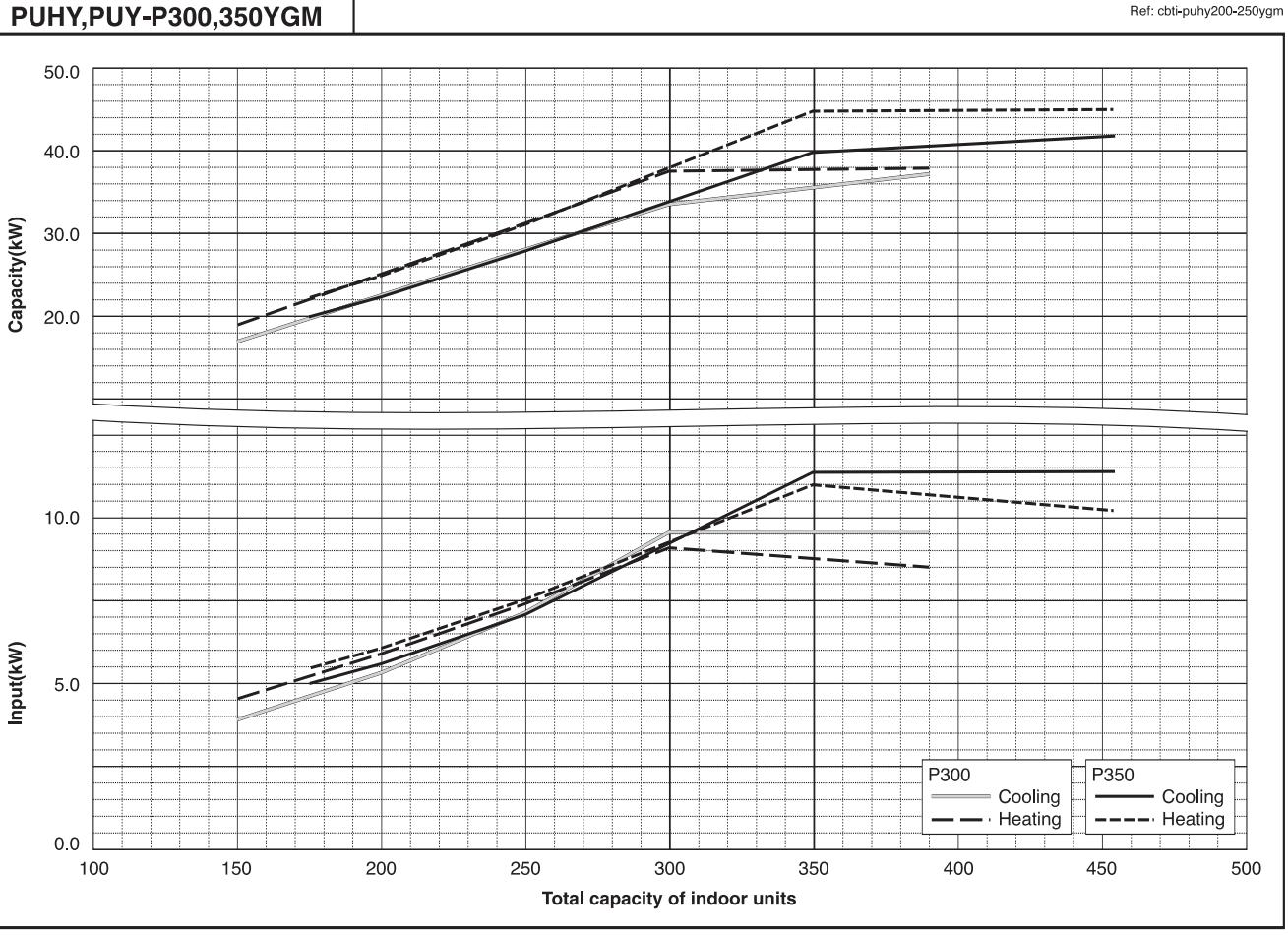
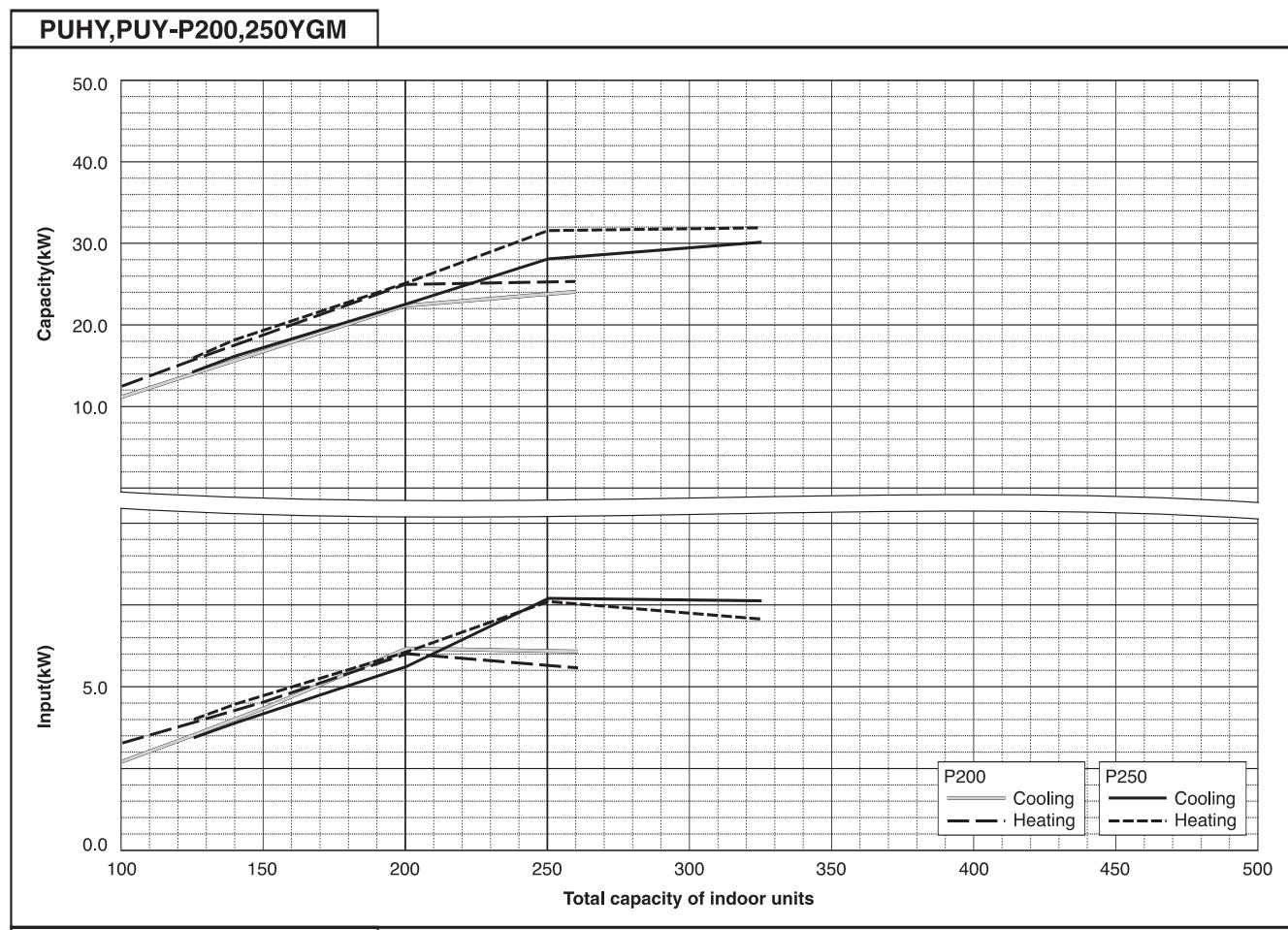


2. CAPACITY TABLES

R410A Data G2

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.

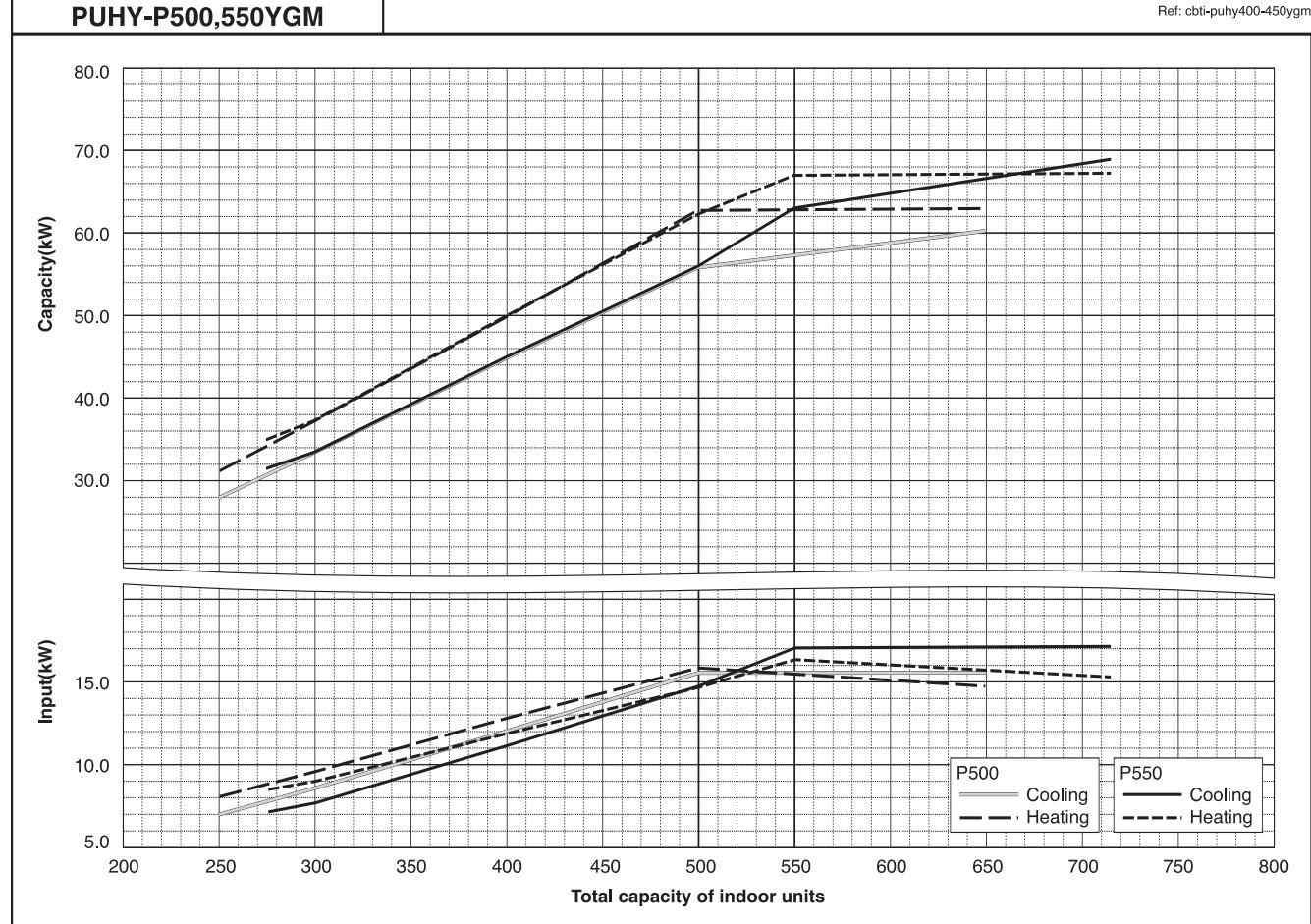
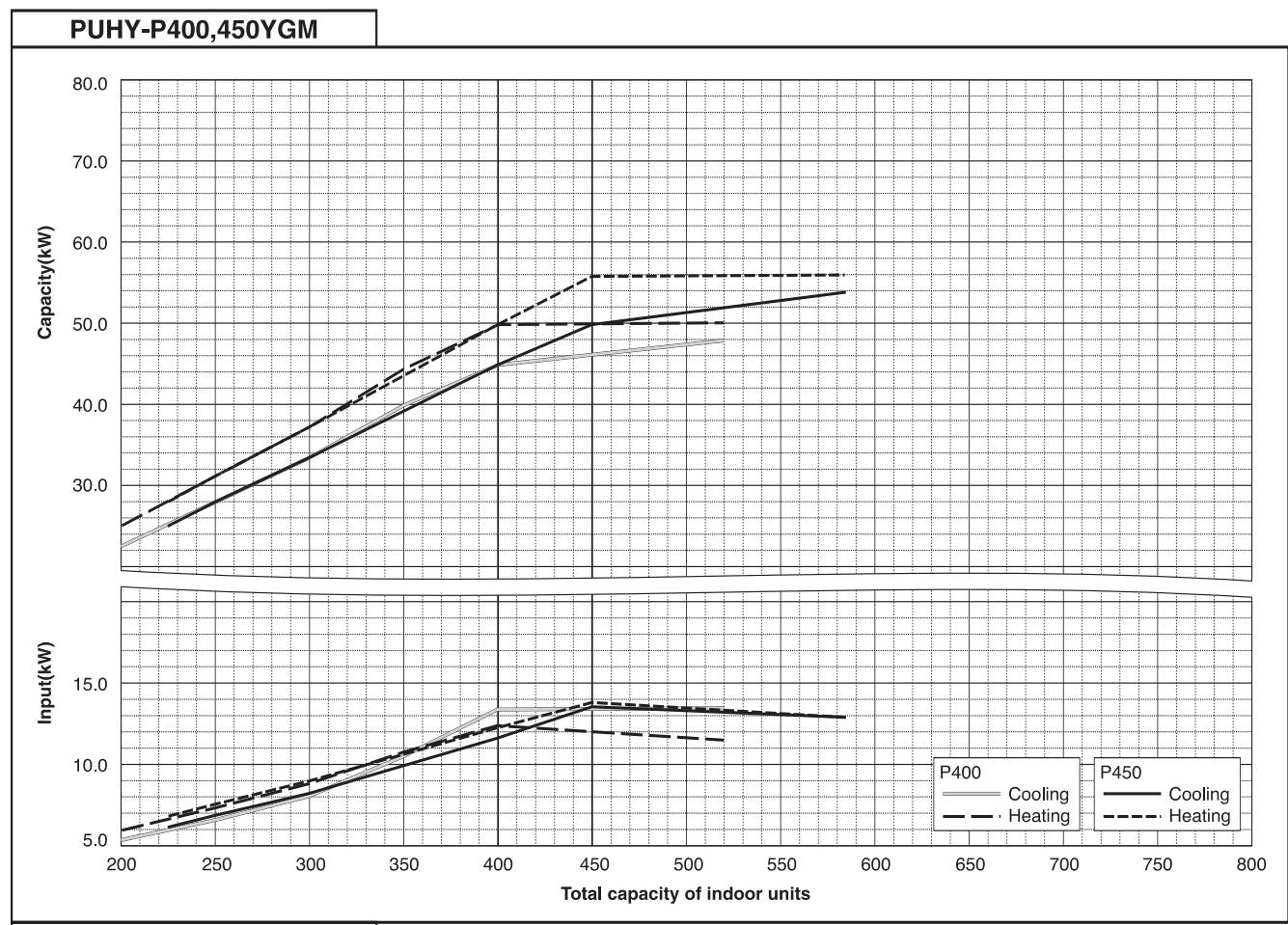


2. CAPACITY TABLES

R410A Data G2

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.



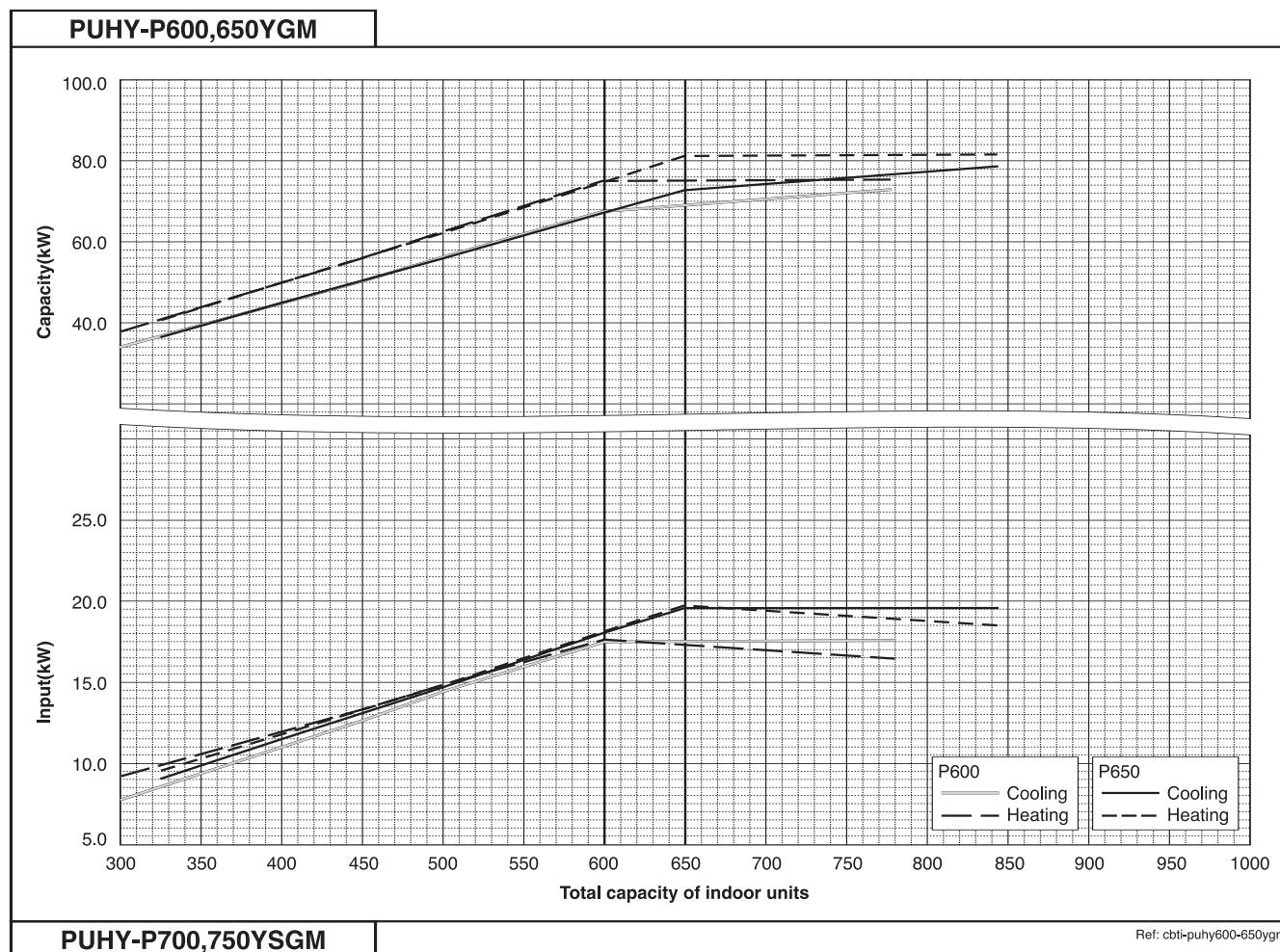
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2. CAPACITY TABLES

R410A Data G2

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.



2. CAPACITY TABLES

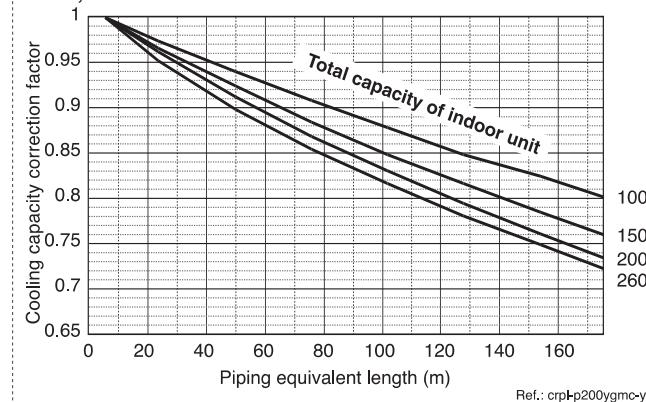
R410A Data G2

2-3. Correction by refrigerant piping length

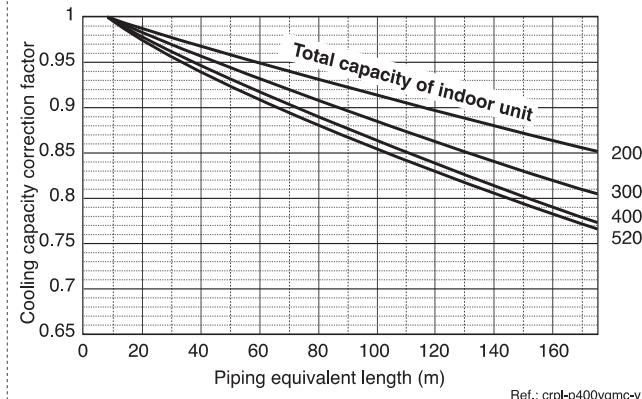
CITY MULTI™ system can extend the piping flexibly within its limitation for the actual situation. Yet, a decrease of cooling/heating capacity could happen correspondently. Using following correction factor according to the equivalent length of the piping shown at 2.3a and 2.3b, the capacity can be observed.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

2-3a. Cooling capacity correction

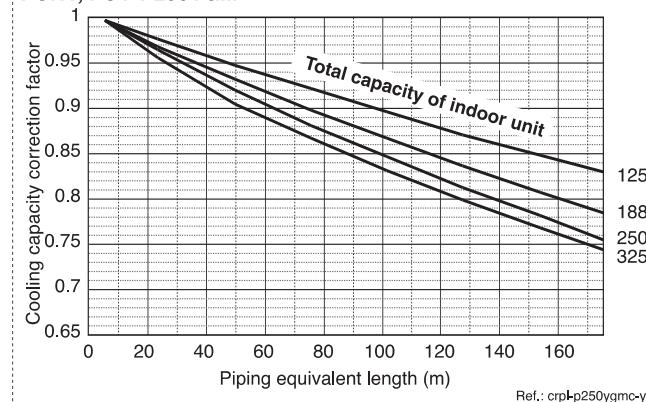
PUHY, PUY-P200YGM



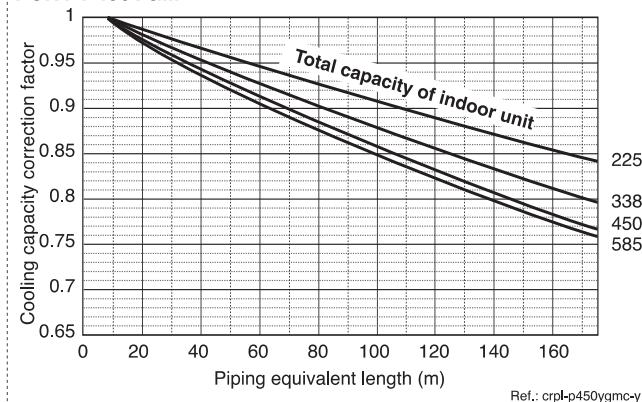
PUHY-P400YGM



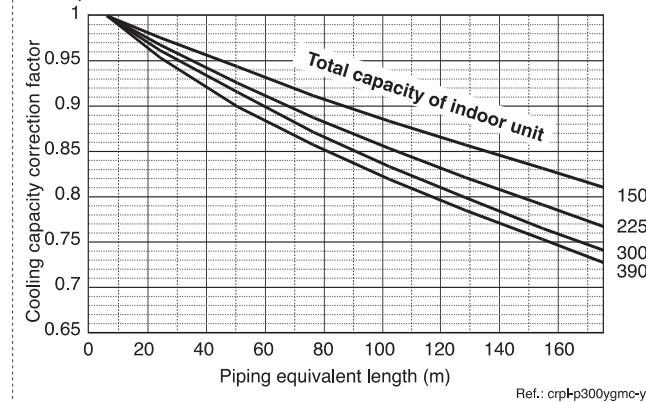
PUHY, PUY-P250YGM



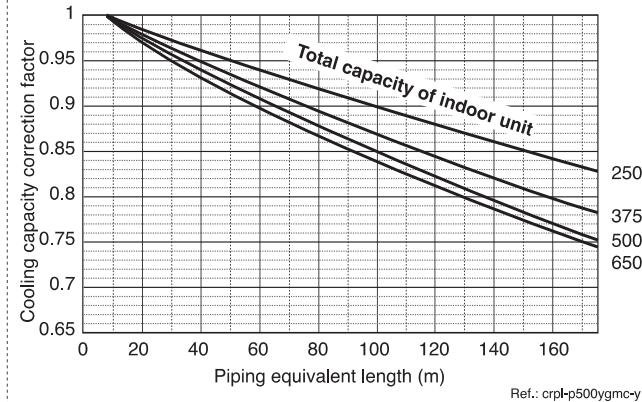
PUHY-P450YGM



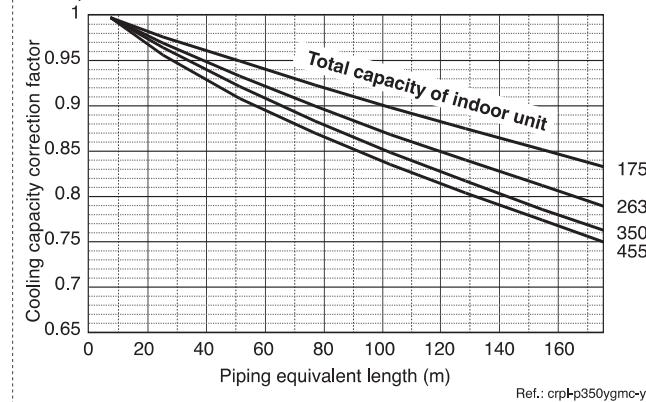
PUHY, PUY-P300YGM



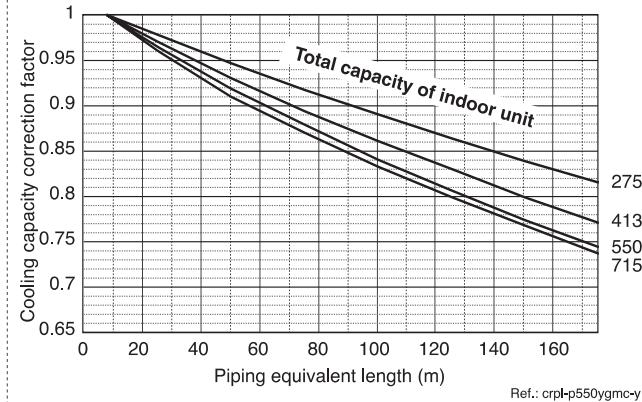
PUHY-P500YGM



PUHY, PUY-P350YGM



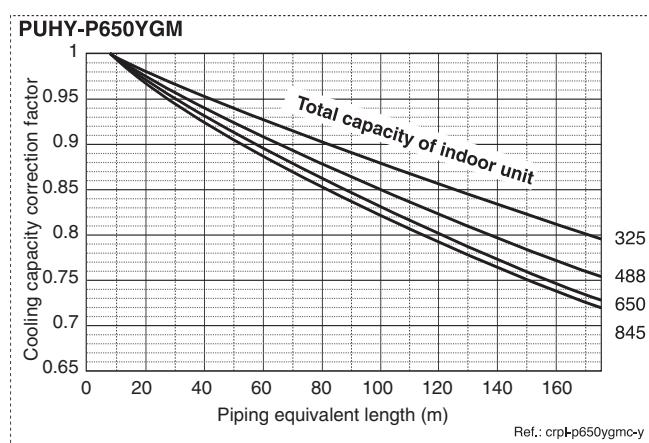
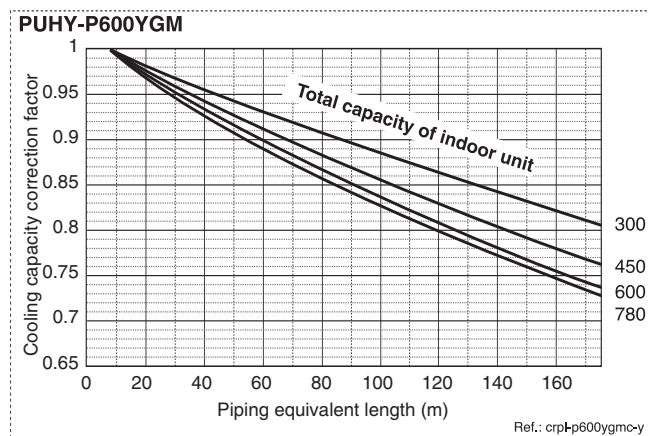
PUHY-P550YGM



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.

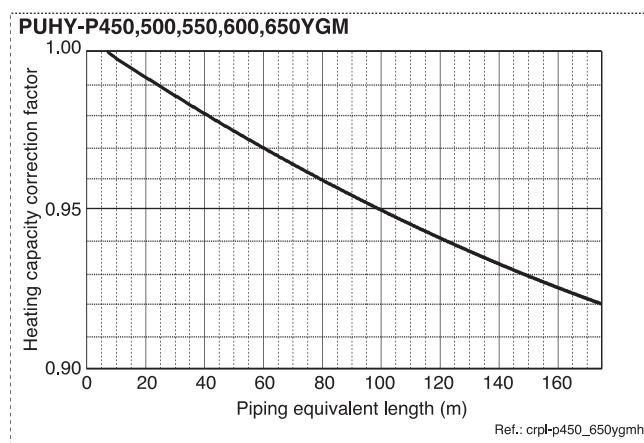
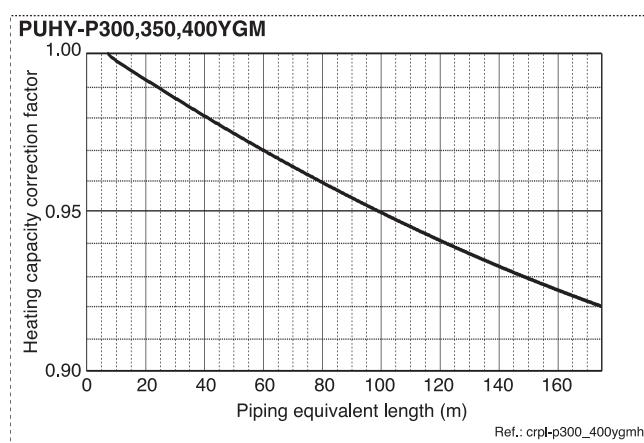
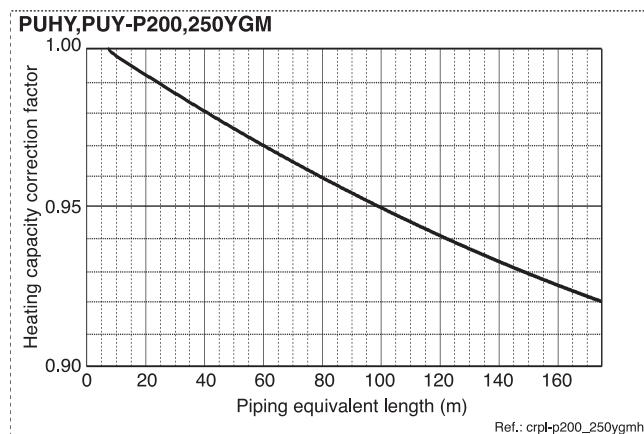
2-3a. Cooling capacity correction



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.

2-3b. Heating capacity correction



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



2. CAPACITY TABLES

R410A Data G2

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

Y

R2

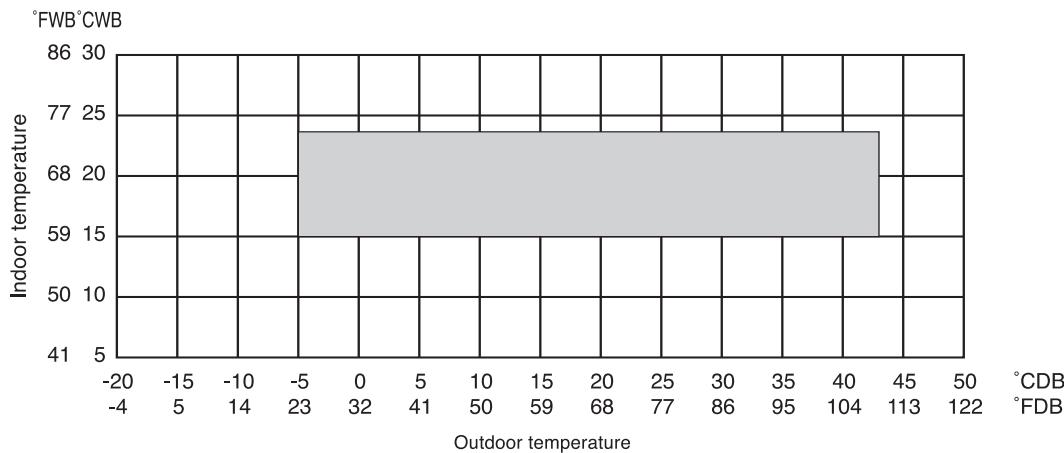
WY

WR2

S

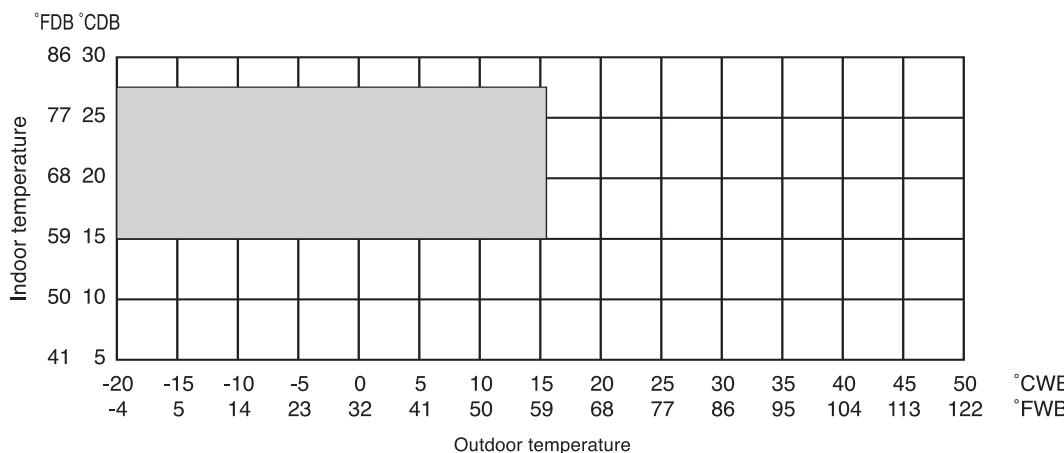
2-5. Temp. range of running

- Cooling



* The operation temperature of outdoor unit is limited into 0~43°CDB (32~109°FDB) when the outdoor unit is at a position lower than the indoor units.

- Heating



Ref.: tr-ygm-y

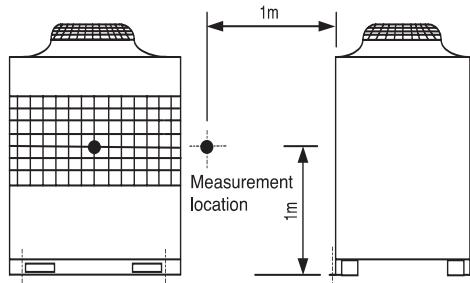
3. SOUND LEVELS

R410A Data G2

Measurement condition

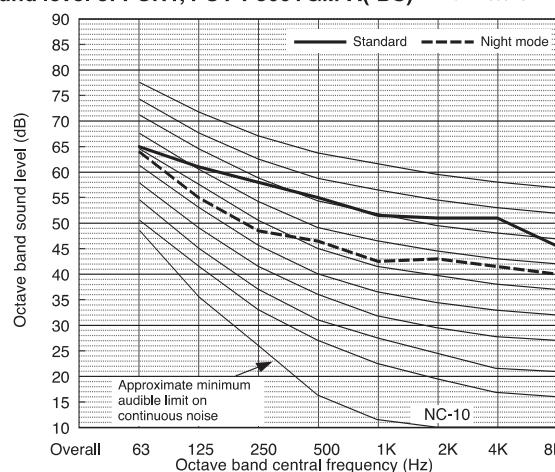
PUY-P200,250,300,350YGM

PUHY-P200,250,300,350,400YGM



Sound level of PUHY, PUY-P300YGM-A(-BS)

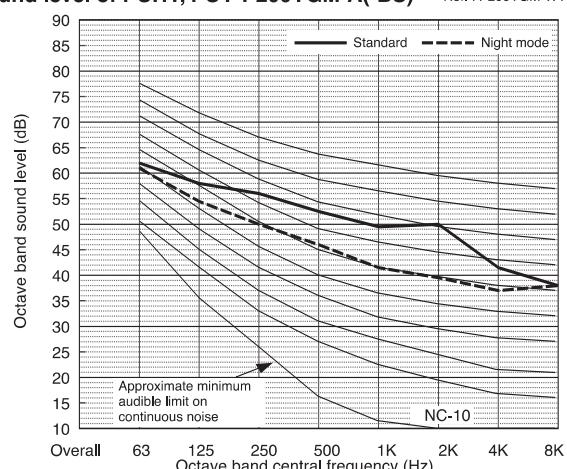
Ref. : P300YGM-WYNB0-3618



* 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.

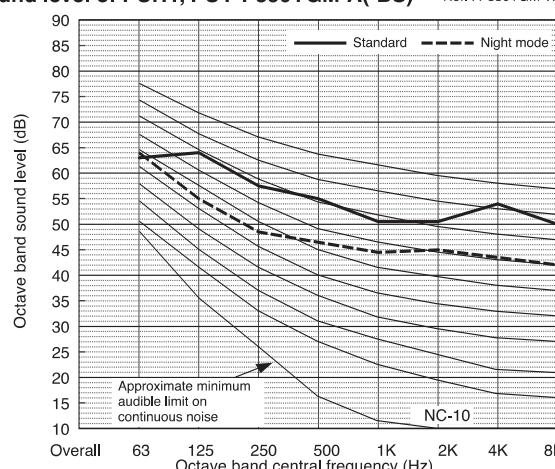
Sound level of PUHY, PUY-P200YGM-A(-BS)

Ref. : P200YGM-WYNB0-3616



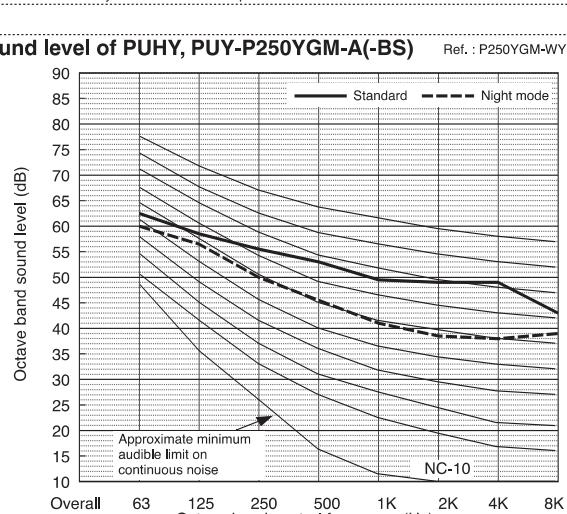
Sound level of PUHY, PUY-P350YGM-A(-BS)

Ref. : P350YGM-WYNB0-3619



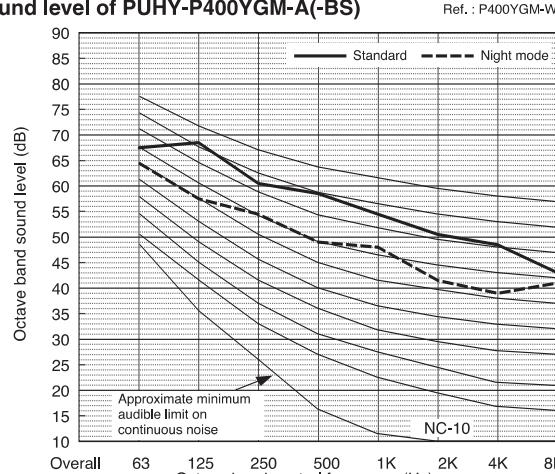
Sound level of PUHY, PUY-P250YGM-A(-BS)

Ref. : P250YGM-WYNB0-3617



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

Ref. : P400YGM-WYNB0-3620

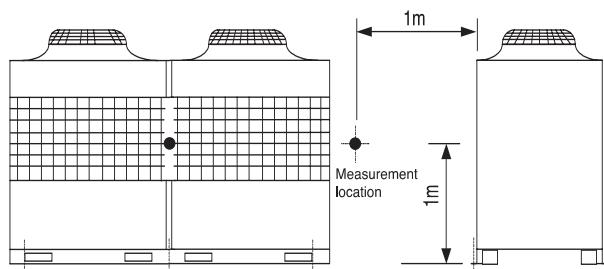


* When Night Mode is set, the A/C system's capacity is limited. The system could return to normal operation from Night Mode automatically in the case that the operation condition is severe.

3. SOUND LEVELS

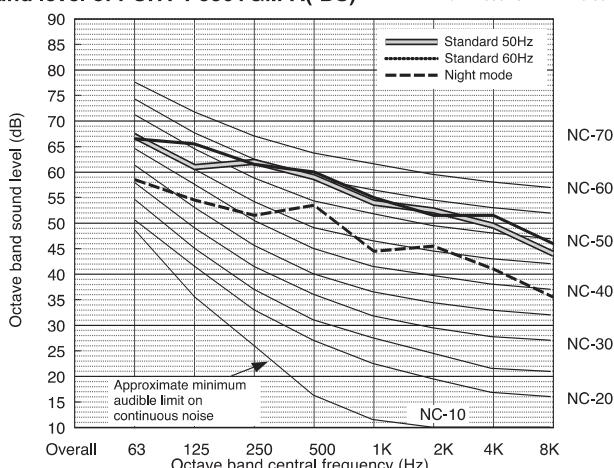
R410A Data G2

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



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

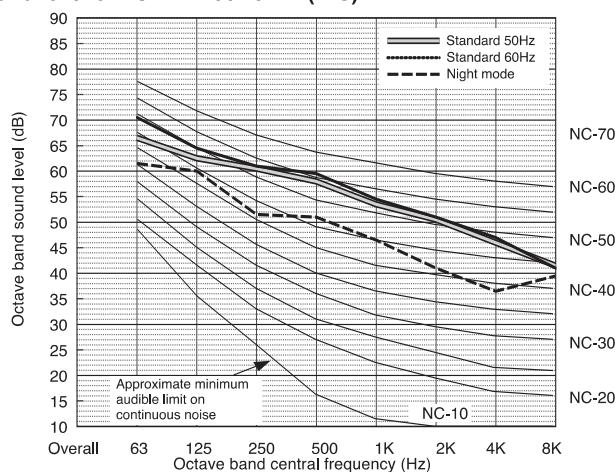
Ref. : P550YGM-WYNB0-3623



* 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.

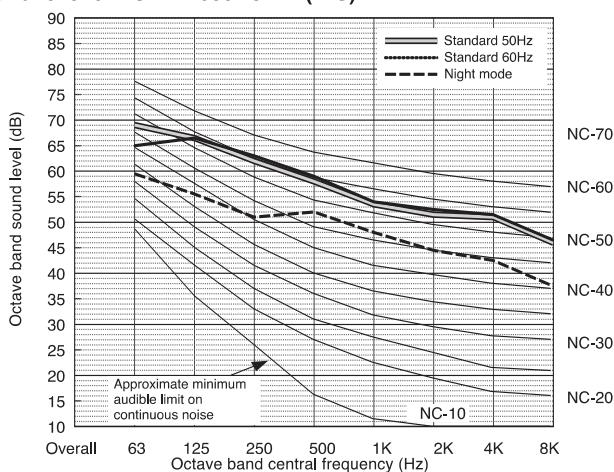
Sound level of PUHY-P450YGM-A-(BS)

Ref. : P450YGM-WYNB0-3621



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

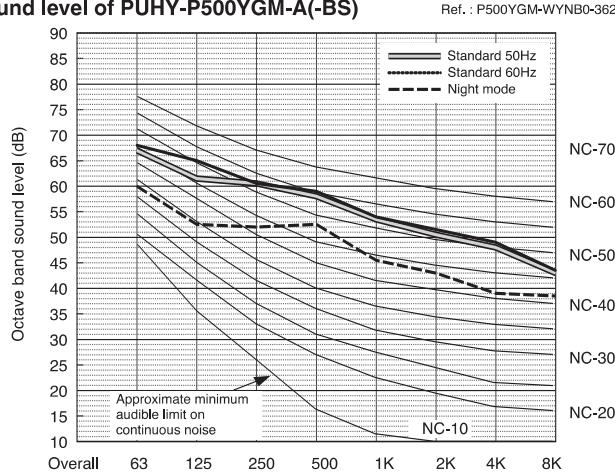
Ref. : P600YGM-WYNB0-3624



* 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.

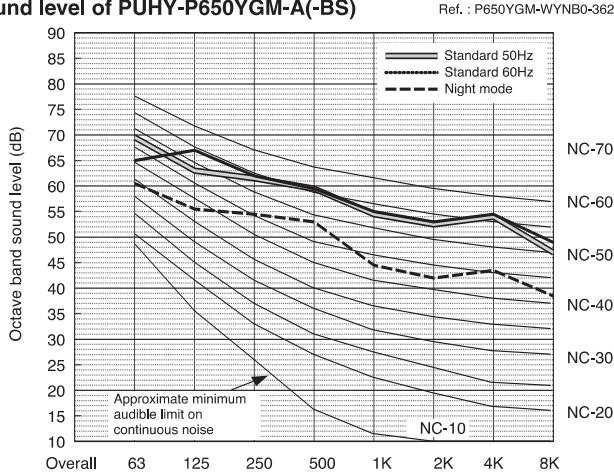
Sound level of PUHY-P500YGM-A-(BS)

Ref. : P500YGM-WYNB0-3622



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

Ref. : P650YGM-WYNB0-3625



* 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.

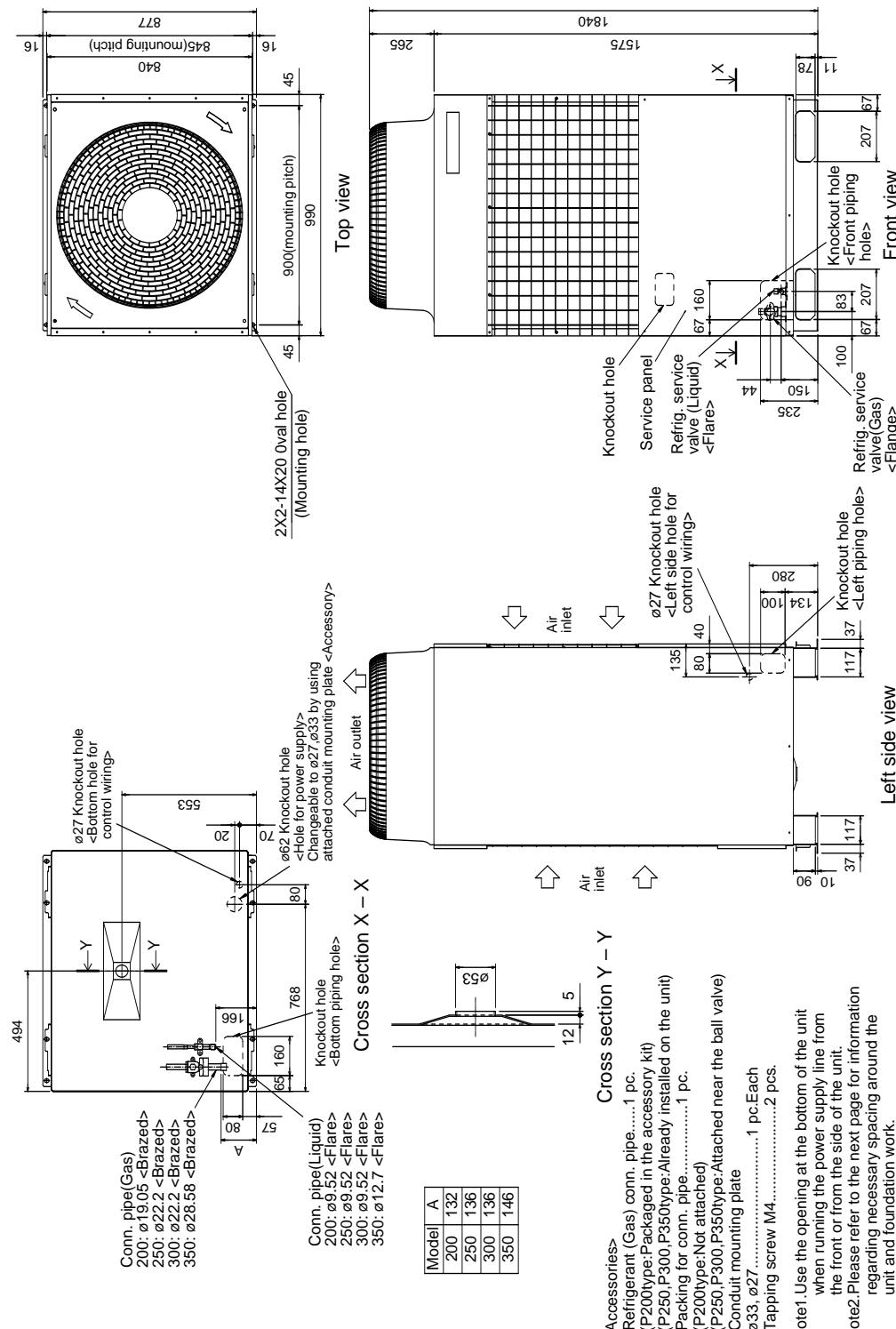
4. EXTERNAL DIMENSIONS

R410A Data G2

PUHY, PUY-P200,250,300,350YGM-A(-BS)

Drw. : YGM-W656-818 1/2

Unit : mm



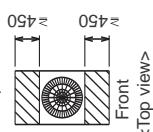
Spacing PUHY, PUY-P200,250,300,350YGM-A(-BS)

Drw. : YGM-W656-818 2/2
Unit : mm

1. Space required around unit

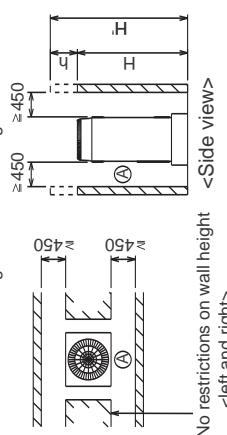
* In case of single installation [Basic rules for spacing the unit]

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



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

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



No restrictions on wall height
<left and right>

* In case of collective installation and continuous installation

- 1 Space required for collective installation and continuous installation:

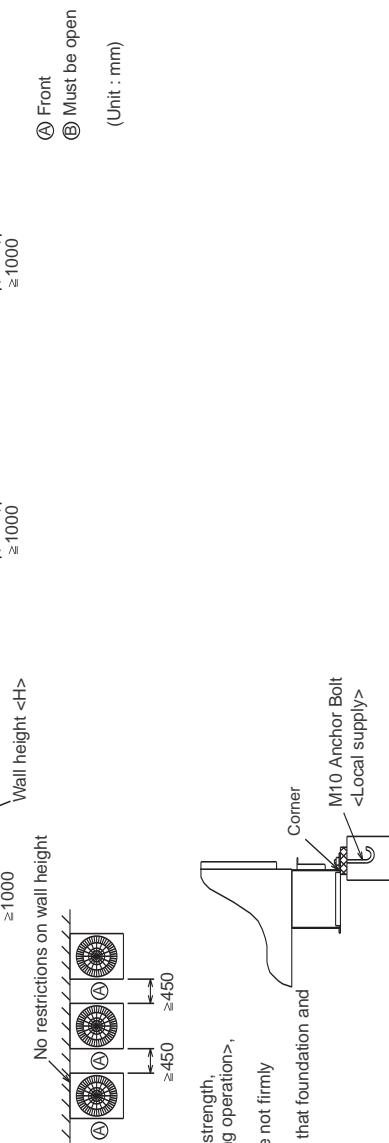
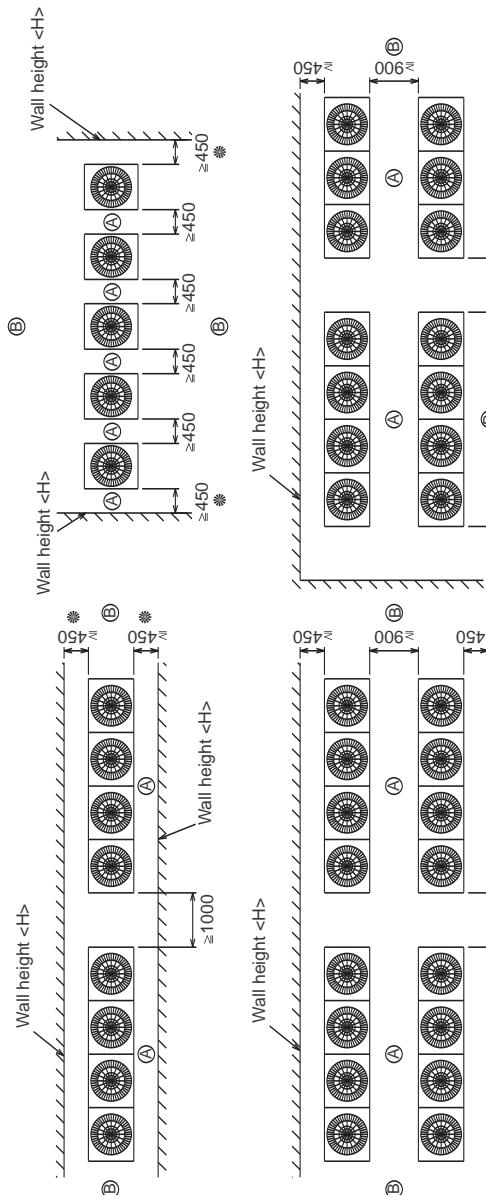
When installing several units, provide the space between each block considering passage for air and people.

2 Open in two directions.

3 In case of wall height <H> exceeds total height of unit, add <h> dimension

$(h = \text{wall height } <H> - \text{total height of unit})$

- 4 If 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.

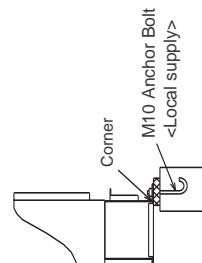


2. Foundation work

- 1 When 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.

2 Be sure that the corners are firmly seated. If the corners are not firmly seated, the installation feet may be bent.

3 When down piping and down wiring are performed, be sure that foundation and base work does not block the base through holes.



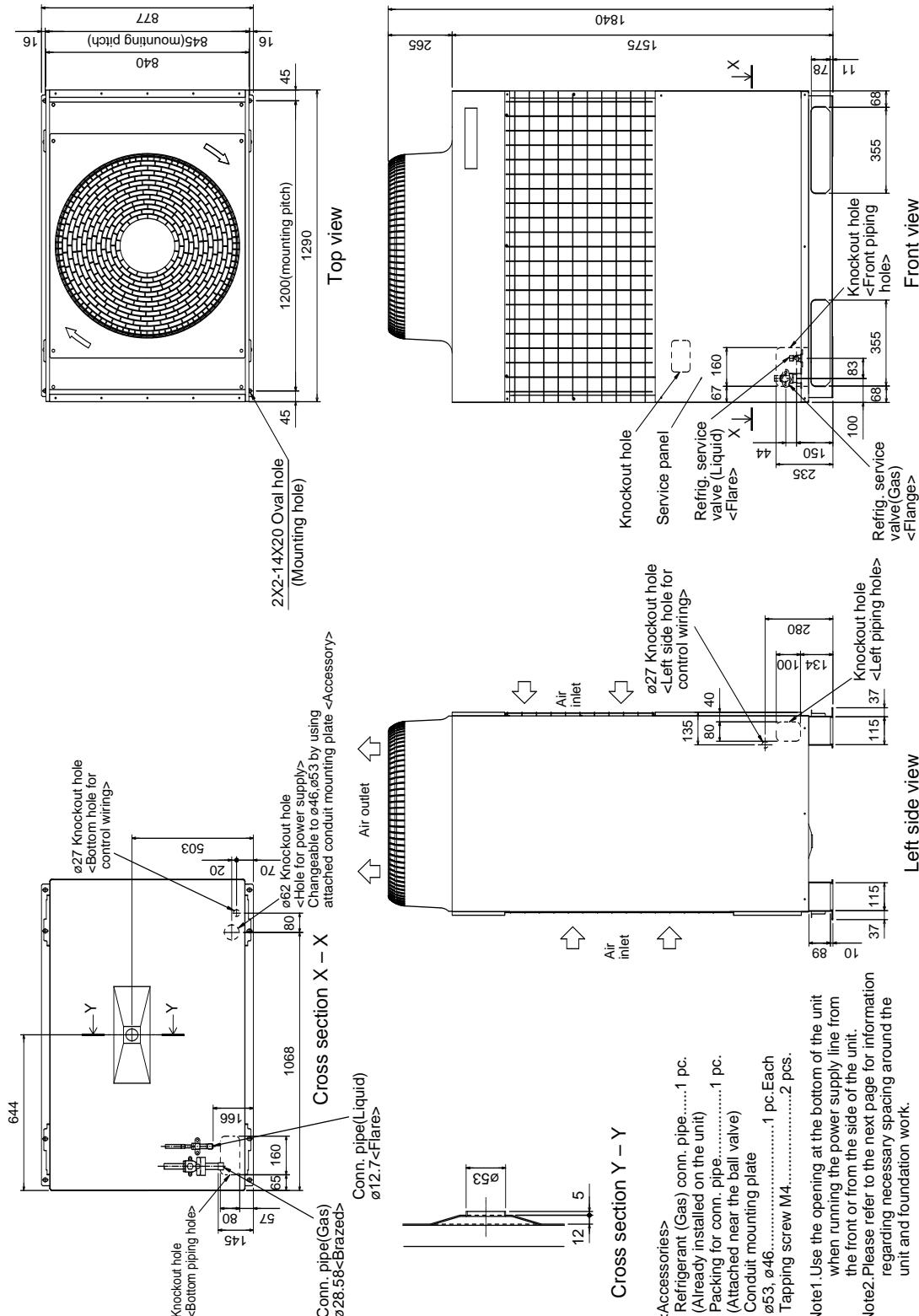
4. EXTERNAL DIMENSIONS

R410A Data G2

PUHY-P400YGM-A(-BS)

Drw. : YGM-W656-819 1/2

Unit : mm



Spacing PUHY-P400YGM-A(-BS)

Drw. : YGM-W656-819 2/2
Unit : mm

Y

R2

WY

WR2

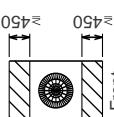
S

OP

1. Space required around unit

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

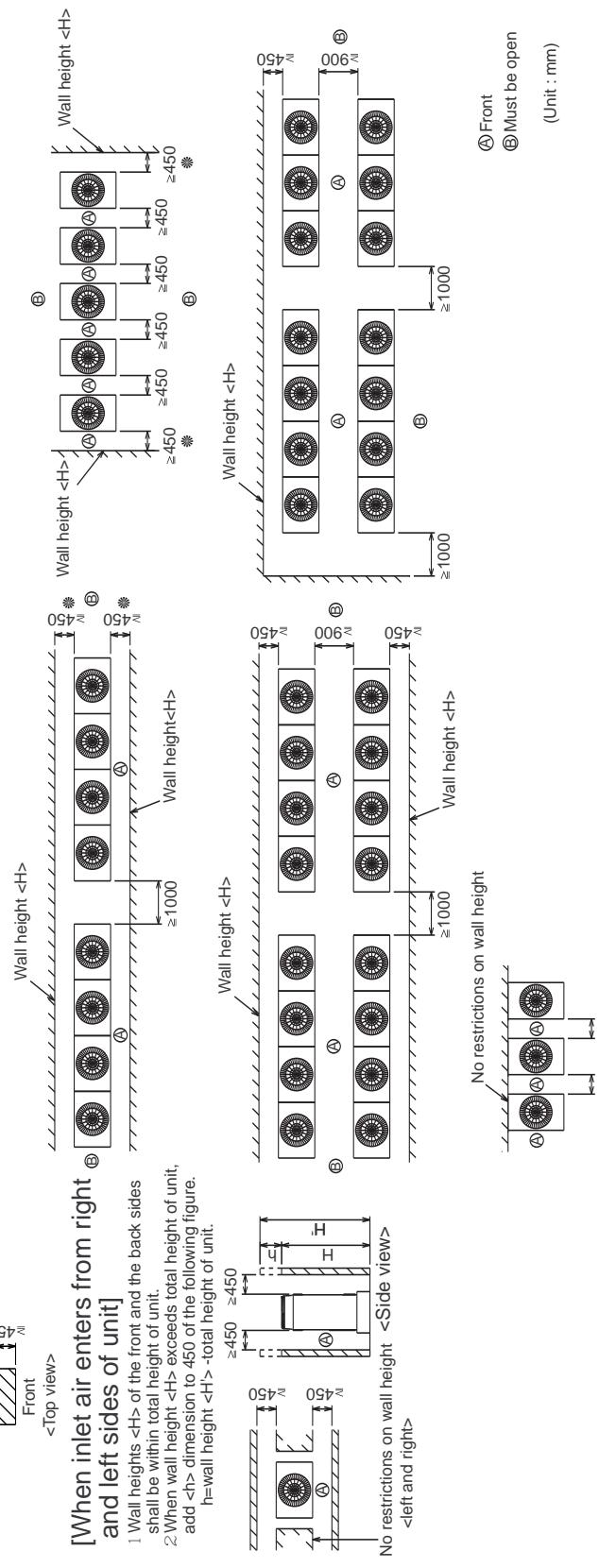
- Since the service from the back of unit is required, provide the back space 450 mm or above as the front.



<Top view>

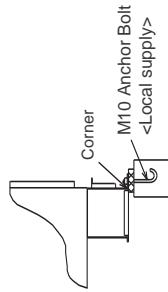
[When inlet air enters from right and left sides of unit]

- Wall heights <H> of the front and the back sides shall be within total height of unit.
- When wall height <H> exceeds total height of unit, add <h> dimension to 450 of the following figure.
 $h = \text{wall height } <H> - \text{total height of unit.}$



2. Foundation work

- When 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.
- Be sure that the corners are firmly seated. If the corners are not firmly seated, the installation feet may be bent.
- When down piping and down wiring are performed, be sure that foundation and base work does not block the base through holes.

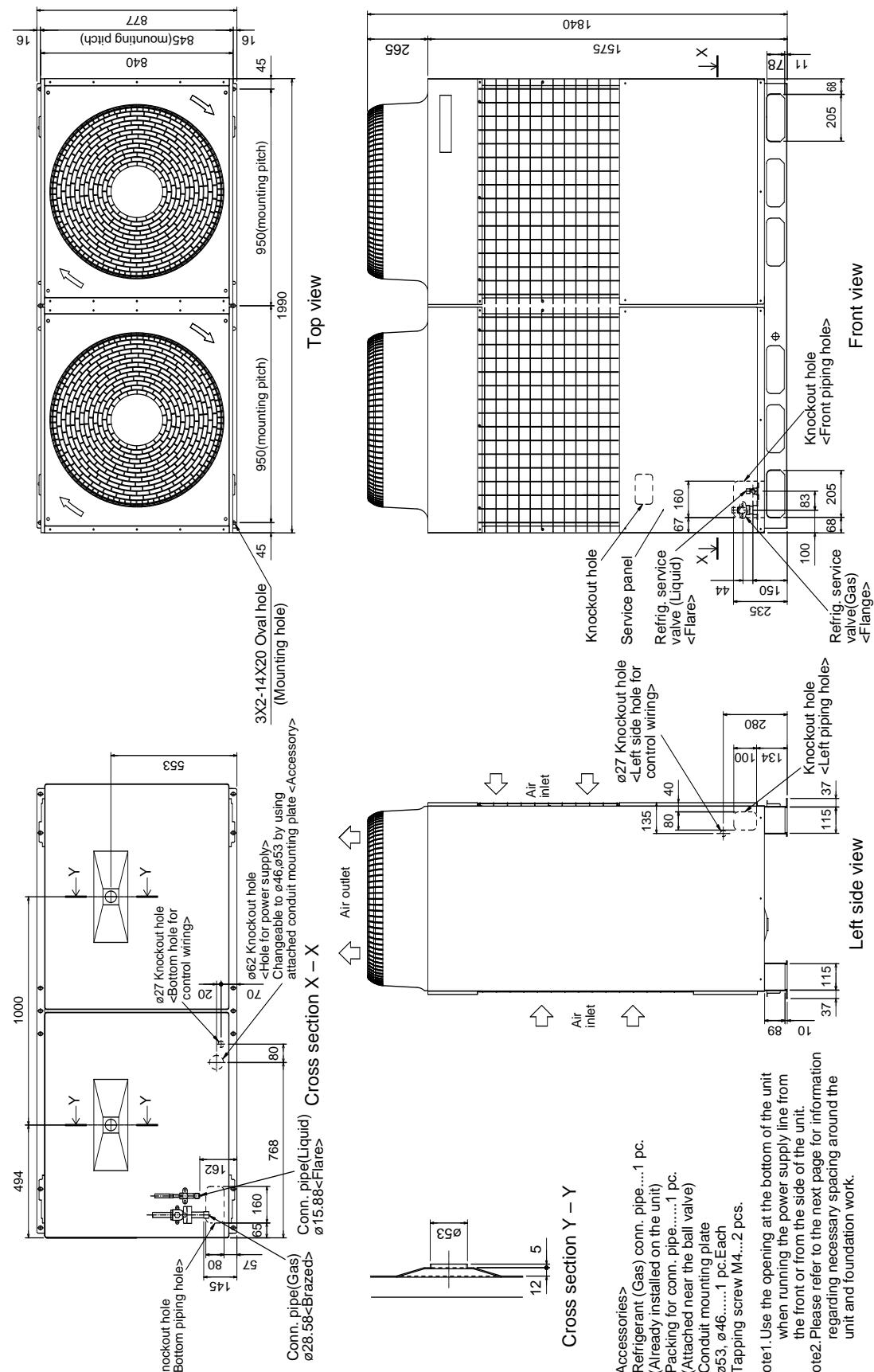


4. EXTERNAL DIMENSIONS

R410A Data G2

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

Drw. : YGM-W656-820 1/2
Unit : mm



<Accessories> • Refrigerant (Gas) conn. pipe....1 pc.

- <Accessories>
 - Refrigerant (Gas) conn. pipe.....1 pc.
(Already installed on the unit)
 - Packing for conn. pipe.....1 pc.
(Attached near the ball valve)
 - Conduit mounting plate
ø53, ø46.....1 pc Each
 - tapping screw M4.....2 pcs.

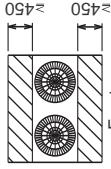
- Note1. Use the opening at the bottom of the unit when running the power supply line from the front or from the side of the unit.
- Note2. Please refer to the next page for information regarding necessary spacing around the unit and foundation work.

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

Drw. : YGM-W656-820 2/2
Unit : mm

1. Space required around unit

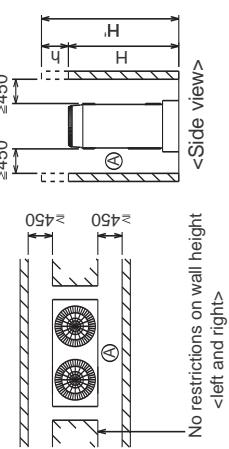
* In case of single installation
[Basic rules for spacing the unit]

- 1 Since 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]

- 1 Wall heights <H> of the front and the back sides shall be within total height of unit.
2 When 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.



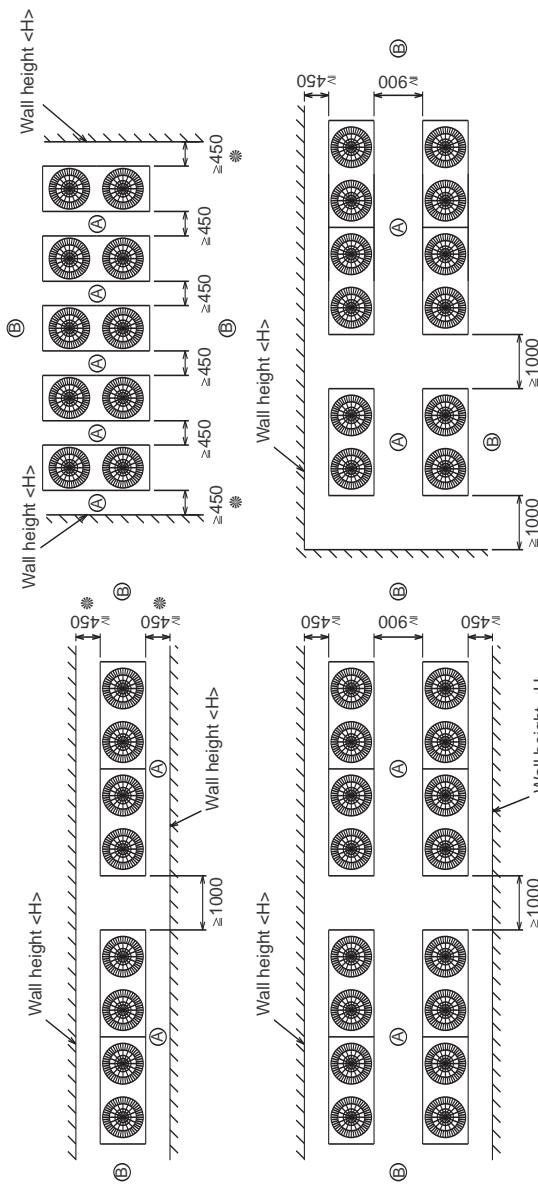
* In case of collective installation and continuous installation

1 Space required for collective installation and continuous installation:

2 Open in two directions.

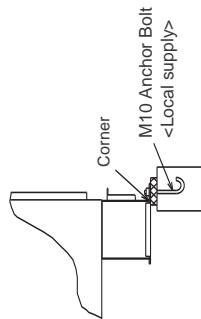
3 In case of wall height <H> exceeds total height of unit, add <H> dimension

- (h=wall height <H>-total height of unit) to marked dimension.
4 If 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.



2. Foundation work

- 1 When 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.
2 Be sure that the corners are firmly seated. If the corners are not firmly seated, the installation feet may be bent.
3 When down piping and down wiring are performed, be sure that foundation and base work does not block the base through holes.



Y

R2

WY

WR2

S

OP

5. ELECTRICAL WIRING DIAGRAMS

R410A Data G2

PUHY, PUY-P200,250,300,350YGM / PUHY-P400YGM

Drw. : YGM-W274-627

< Symbol explanation >

Symbol	Name
ACCT1	AC Current Sensor
DCC11	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)
21SA4	SV1 3&5 4-way valve
21SA5	Solenoid valve (Discharge-suction bypass)
SV56	Solenoid valve (Heat exchanger capacity control)
SV5c	SV5c 3&4 Electronic expansion valve (SC coil)
LEV1	Thermistor (Pipe temp. detect)
TH11	Thermistor (Discharge pipe temp. detect)
TH5	Thermistor (OA temp. detect)
TH6	Thermistor (Liquid outlet temp. detect)
TH7	Thermistor (Sub-cool coil temp. detect)
TH8	Thermistor (Bypass 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
PUHY-P200YGM-A	~&3 and ~&4 do not exist.
PUHY-P250P300/P350YGM-A	~&4 do not exist.
PUHY-P400YGM-A	All exists
PUY-P200YGM-A	~&2, ~&3, ~&4 and ~&5 do not exist.
PUY-P250P300/P350YGM-A	~&2, ~&4 and ~&5 do not exist.

*1: Function according to switch operation.
(SMN4-7,CN3D 1-2P and CN3D 1-3P)

*2: Auto changeover (CN3N 1-2P OFF)

(Compressor ON/OFF and NIGHT MODE)

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

CN3D 1-3P OPEN
SHORT ON

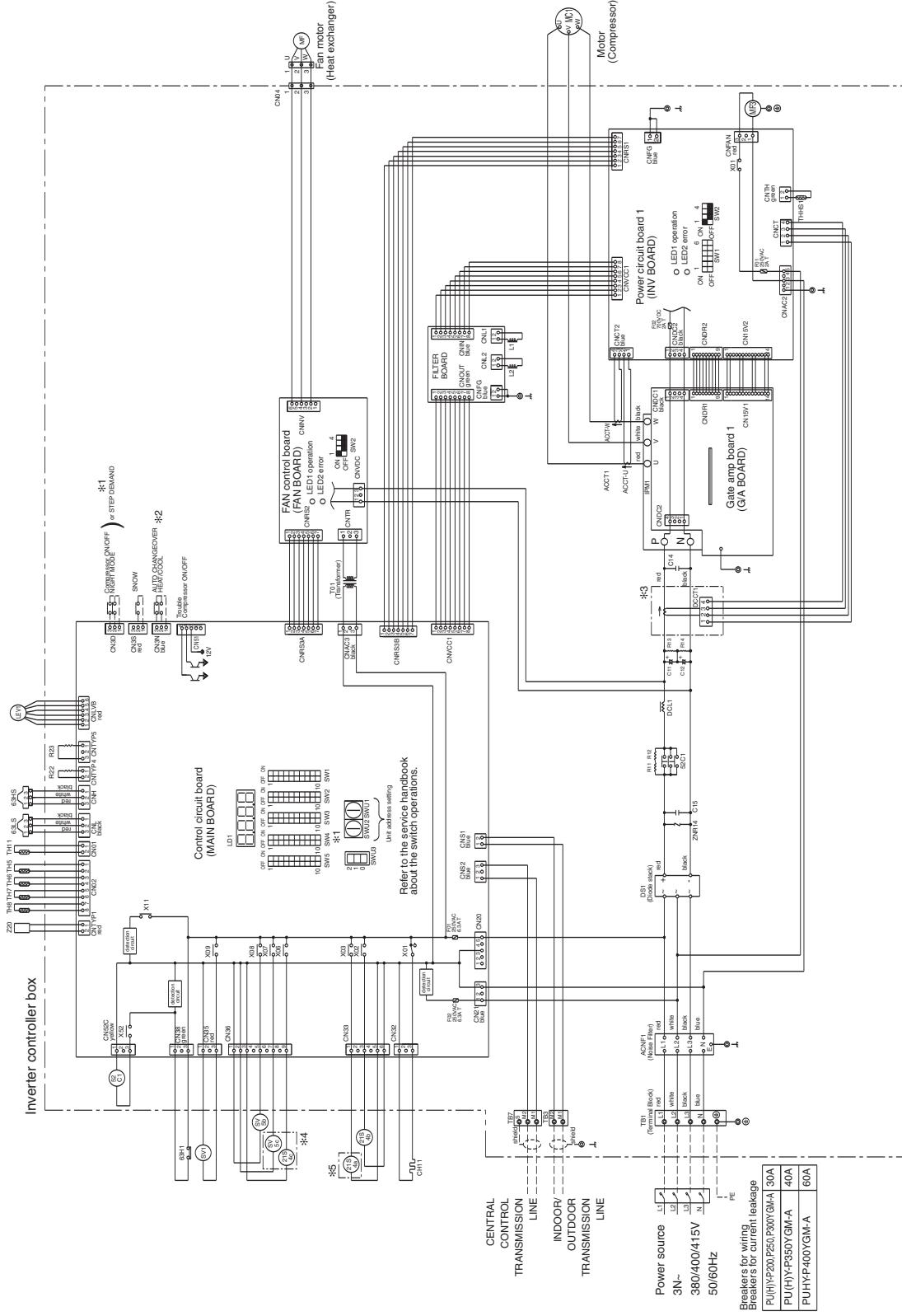
CN3D 1-2P OPEN
SHORT

CN3N 1-3P OPEN
OPEN SHORT

CN3N 1-2P OPEN
OPEN -

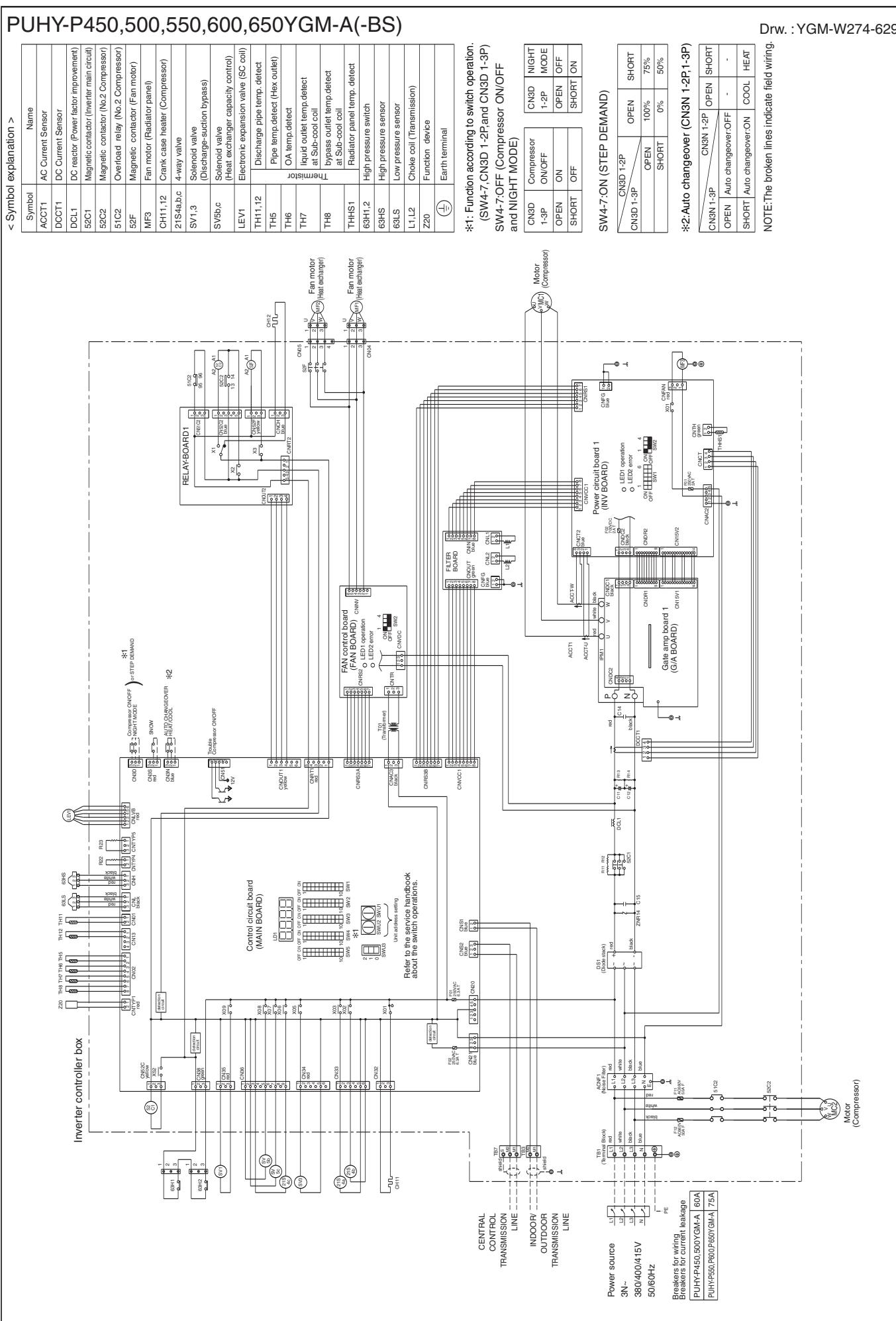
CN3N 1-2P Auto changeover
ON COOL HEAT
OFF -

NOTE: The broken lines indicate field wiring.



5. ELECTRICAL WIRING DIAGRAMS

R410A Data G2

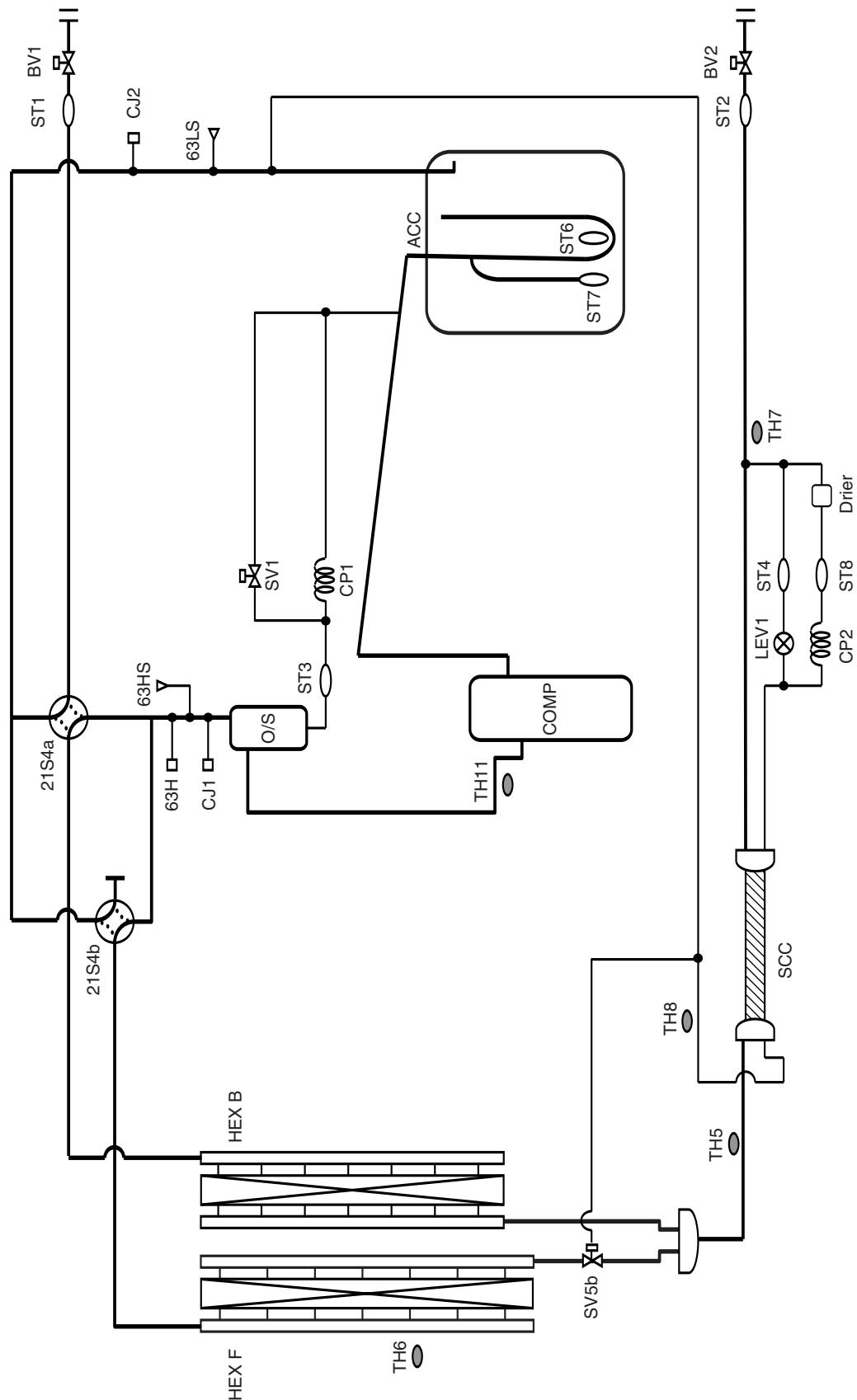


6. REFRIGERANT CIRCUIT DIAGRAMS AND THERMAL SENSORS

R410A Data G2

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

Drw. : YGM-rcd-200-350ygmc

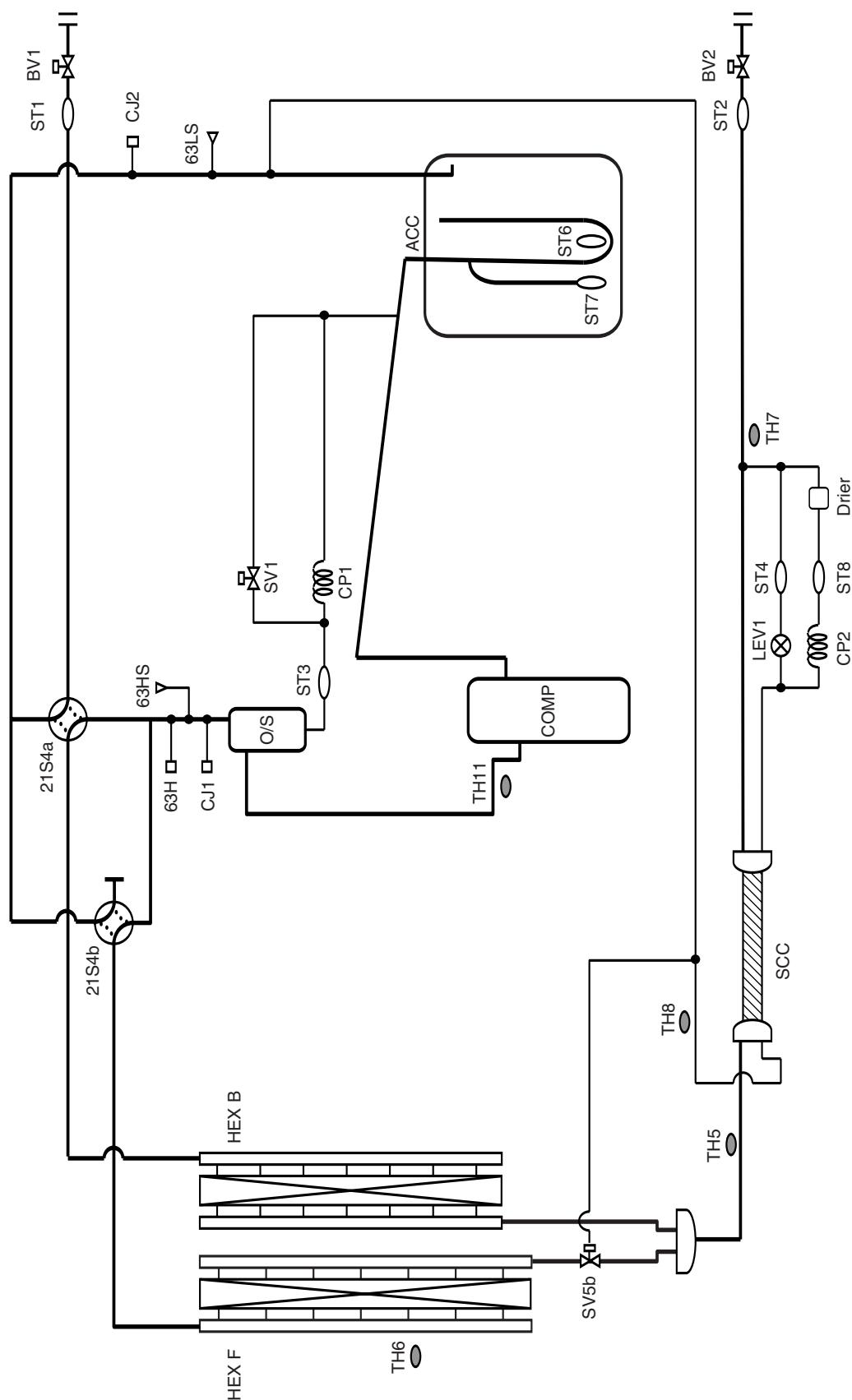


6. REFRIGERANT CIRCUIT DIAGRAMS AND THERMAL SENSORS

R410A Data G2

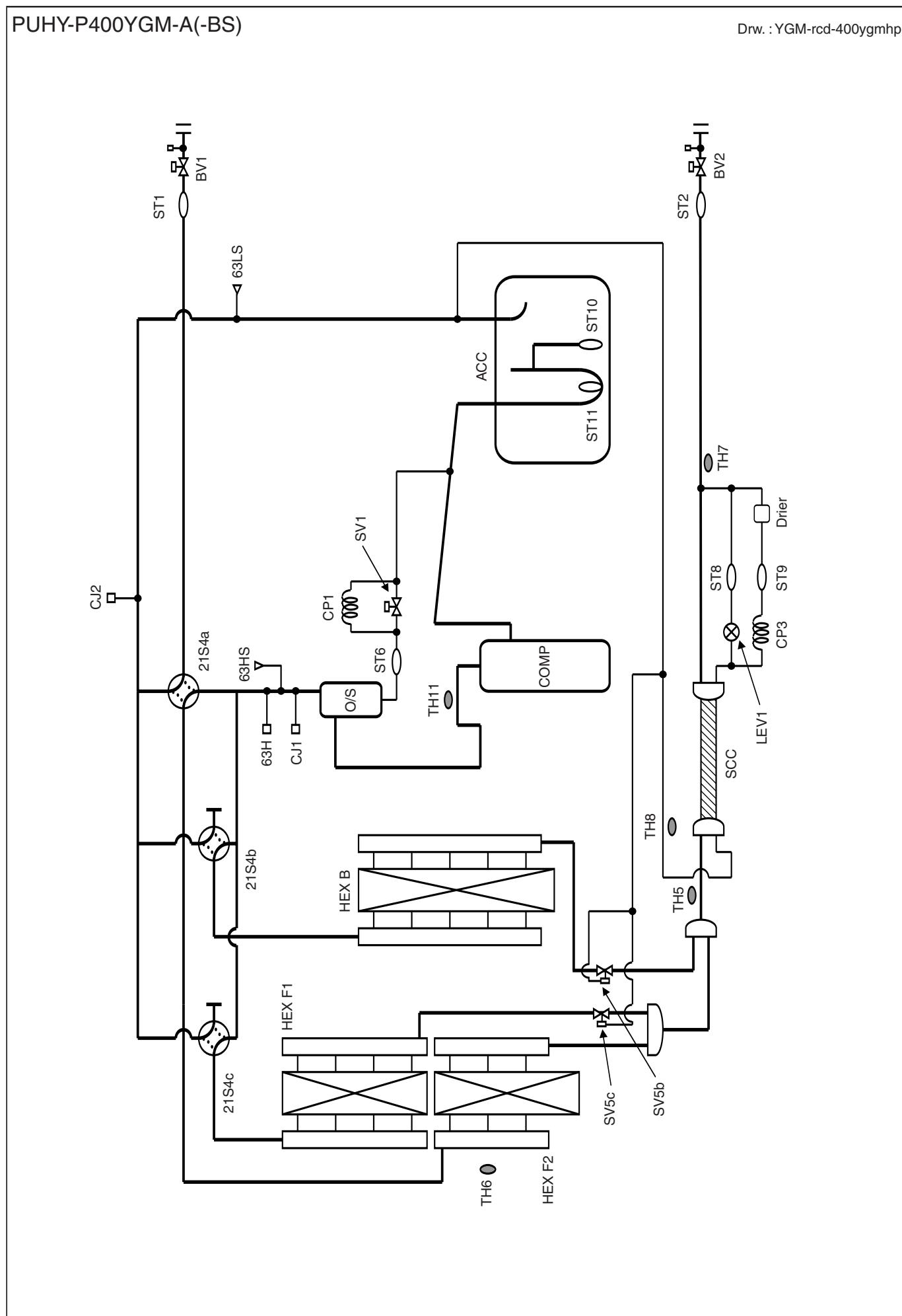
PUHY-P200,250,300,350YGM-A(-BS)

Drw. : YGM-rcd-200-350ygmhp



6. REFRIGERANT CIRCUIT DIAGRAMS AND THERMAL SENSORS

R410A Data G2



6. REFRIGERANT CIRCUIT DIAGRAMS AND THERMAL SENSORS

R410A Data G2

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

Drw. : YGM-rcd-450-650ygmhp

