



PFFY-P-VLEM-E



PFFY-P-VLRM-E

PFFY-P-VLEM-E
PFFY-P-VLRM-E

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Floor standing	P20	P25	P32	P40	P50	P63	P71	P80	P100	P125	P140	P200	P250
	0.8HP	1.0HP	1.3HP	1.6HP	2.0HP	2.5HP	2.8HP	3.2HP	4.0HP	5.0HP	5.6HP	8.0HP	10.0HP
PFFY-P-VLEM-E	●	●	●	●	●	●							
PFFY-P-VLRM-E	●	●	●	●	●	●							

1. SPECIFICATIONS

R410A Data G2

Model			PFFY-P20VLEM-E	PFFY-P25VLEM-E	PFFY-P32VLEM-E	PFFY-P40VLEM-E	
Power source			1-phase 220-240V 50Hz, 1-phase 208-230V 60Hz				
Cooling capacity (Nominal)	*1	kW	2.2	2.8	3.6	4.5	
		kcal / h	1,900	2,400	3,100	3,900	
		Btu / h	7,500	9,600	12,300	15,400	
	*2	kcal / h	2,000	2,500	3,150	4,000	
		Power input	kW	0.04 / 0.06	0.04 / 0.06	0.06 / 0.07	0.065 / 0.075
Current input		A	0.19 / 0.25	0.19 / 0.25	0.29 / 0.30	0.32 / 0.33	
Heating capacity (Nominal)	*3	kW	2.5	3.2	4.0	5.0	
		kcal / h	2,200	2,800	3,400	4,300	
		Btu / h	8,500	10,900	13,600	17,100	
	Power input	kW	0.04 / 0.06	0.04 / 0.06	0.06 / 0.07	0.065 / 0.075	
		Current input	A	0.19 / 0.25	0.19 / 0.25	0.29 / 0.30	0.32 / 0.33
External finish			Acrylic painted, MUNSELL (5Y 8/1)				
External dimension H x W x D		mm	630 x 1,050 x 220	630 x 1,050 x 220	630 x 1,170 x 220	630 x 1,170 x 220	
		in.	24-13/16" x 41-3/8" x 8-11/16"	24-13/16" x 41-3/8" x 8-11/16"	24-13/16" x 46-1/8" x 8-11/16"	24-13/16" x 46-1/8" x 8-11/16"	
Net weight		kg (lb)	23 (51)	23 (51)	25 (56)	26 (58)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)				
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 2	Sirocco fan x 2	
	External static press.	Pa	0	0	0	0	
		mmH ₂ O	0	0	0	0	
	Motor type			1-phase induction motor			
	Motor output		kW	0.015	0.015	0.018	0.030
	Driving mechanism			Direct-driven by motor			
	Airflow rate (Low-Mid-High)	m ³ / min		5.5 - 6.5	5.5 - 6.5	7.0 - 9.0	9.0 - 11.0
		L / s		92 - 108	92 - 108	117 - 150	150 - 183
cfm		194 - 230	194 - 230	247 - 318	318 - 388		
Noise level (Low-Mid-High) (measured in anechoic room)	dB <A>		32 - 38 (220V, 50Hz)	32 - 38 (220V, 50Hz)	33 - 38 (220V, 50Hz)	36 - 41 (220V, 50Hz)	
	dB <A>		33 - 39 (230V, 50Hz)	33 - 39 (230V, 50Hz)	34 - 39 (230V, 50Hz)	37 - 42 (230V, 50Hz)	
	dB <A>		34 - 40 (240V, 50Hz)	34 - 40 (240V, 50Hz)	35 - 40 (240V, 50Hz)	38 - 43 (240V, 50Hz)	
Insulation material			Polyethylene foam, Urethane foam				
Air filter			PP honeycomb fabric (washable)				
Protection device			Fuse				
Refrigerant control device			LEV				
Connectable outdoor unit			R410A, R407C, R22 CITY MULTI				
Diameter of refrigerant pipe	Liquid (R410A) (R22, R407C)	mm (in.)	ø6.35 (ø1/4") Flare	ø6.35 (ø1/4") Flare	ø6.35 (ø1/4") Flare	ø6.35 (ø1/4") Flare	
		Gas (R410A) (R22, R407C)	mm (in.)	ø12.7 (ø1/2") Flare	ø12.7 (ø1/2") Flare	ø12.7 (ø1/2") Flare	ø12.7 (ø1/2") Flare
Diameter of drain pipe		mm (in.)	Accessory hose ø27 (top end : ø20)				
Drawing	External		IU-W65-3950				
	Wiring		IU-W65-3960				
	Refrigerant cycle		-				
Standard attachment	Document		Installation Manual, Instruction Book				
	Accessory		Drain hose VP-25 (flexible joint)				
Remark	Optional parts						
	Installation		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 specification may be subject to change without notice.

*Above specification data is subject to rounding variation.

Ref.: Spec_PFFY-P-VLE(R)M-E_1

1. SPECIFICATIONS

R410A Data G2

Model			PFFY-P50VLEM-E	PFFY-P63VLEM-E	PFFY-P20VLRM-E	PFFY-P25VLRM-E	
Power source			1-phase 220-240V 50Hz, 1-phase 208-230V 60Hz				
Cooling capacity (Nominal)	*1	kW	5.6	7.1	2.2	2.8	
		kcal / h	4,800	6,100	1,900	2,400	
		Btu / h	19,100	24,200	7,500	9,600	
	*2	kcal / h	5,000	6,300	2,000	2,500	
		Power input	kW	0.085 / 0.09	0.1 / 0.11	0.04 / 0.06	0.04 / 0.06
Current input		A	0.40 / 0.41	0.46 / 0.47	0.19 / 0.25	0.19 / 0.25	
Heating capacity (Nominal)	*3	kW	6.3	8.0	2.5	3.2	
		kcal / h	5,400	6,900	2,200	2,800	
		Btu / h	21,500	27,300	8,500	10,900	
	Power input	kW	0.085 / 0.09	0.1 / 0.11	0.04 / 0.06	0.04 / 0.06	
		Current input	A	0.40 / 0.41	0.46 / 0.47	0.19 / 0.25	0.19 / 0.25
External finish			Acrylic painted, MUNSELL (5Y 8/1)		Galvanized		
External dimension H x W x D		mm	630 x 1,410 x 220	630 x 1,410 x 220	639 x 886 x 220	639 x 886 x 220	
		in.	24-13/16" x 55-9/16" x 8-11/16"	24-13/16" x 55-9/16" x 8-11/16"	25-3/16" x 34-15/16" x 8-11/16"	25-3/16" x 34-15/16" x 8-11/16"	
Net weight		kg (lb)	30 (67)	32 (71)	18.5 (41)	18.5 (41)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)				
FAN	Type x Quantity		Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 1	Sirocco fan x 1	
	External static press.	Pa	0	0	0	0	
		mmH ₂ O	0	0	0	0	
	Motor type		1-phase induction motor				
	Motor output		kW	0.035	0.063	0.015	0.015
	Driving mechanism		Direct-driven by motor				
	Airflow rate (Low-Mid-High)	m ³ / min	12.0 - 14.0	12.0 - 15.5	5.5 - 6.5	5.5 - 6.5	
		L / s	200 - 233	200 - 258	92 - 108	92 - 108	
cfm		424 - 494	424 - 547	194 - 230	194 - 230		
Noise level (Low-Mid-High) (measured in anechoic room)	dB <A>		36 - 41 (220V, 50Hz)	38 - 44 (220V, 50Hz)	32 - 38 (220V, 50Hz)	32 - 38 (220V, 50Hz)	
	dB <A>		37 - 42 (230V, 50Hz)	39 - 45 (230V, 50Hz)	33 - 39 (230V, 50Hz)	33 - 39 (230V, 50Hz)	
	dB <A>		38 - 43 (240V, 50Hz)	40 - 46 (240V, 50Hz)	34 - 40 (240V, 50Hz)	34 - 40 (240V, 50Hz)	
Insulation material			Polyethylene foam, Urethane foam				
Air filter			PP honeycomb fabric (washable)				
Protection device			Fuse				
Refrigerant control device			LEV				
Connectable outdoor unit			R410A, R407C, R22 CITY MULTI				
Diameter of refrigerant pipe	Liquid (R410A) (R22, R407C)	mm (in.)	ø6.35 (ø1/4") Flare ø9.52 (ø3/8") Flare	ø9.52 (ø3/8") Flare ø9.52 (ø3/8") Flare	ø6.35 (ø1/4") Flare ø6.35 (ø1/4") Flare	ø6.35 (ø1/4") Flare ø6.35 (ø1/4") Flare	
		Gas (R410A) (R22, R407C)	mm (in.)	ø12.7 (ø1/2") Flare ø15.88 (ø5/8") Flare	ø15.88 (ø5/8") Flare ø15.88 (ø5/8") Flare	ø12.7 (ø1/2") Flare ø12.7 (ø1/2") Flare	ø12.7 (ø1/2") Flare ø12.7 (ø1/2") Flare
	Diameter of drain pipe		mm (in.)	Accessory hose ø27 (top end : ø20)			
Drawing	External		IU-W65-3950	IU-W65-3950	IU-W65-3951	IU-W65-3951	
	Wiring		IU-W65-3960	IU-W65-3960	IU-W65-3960	IU-W65-3960	
	Refrigerant cycle		-	-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book				
	Accessory						
Remark	Optional parts						
	Installation		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 = m ³ /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.				*Above specification data is subject to rounding variation.
* Due to continuing improvement, above specification may be subject to change without notice.				

Ref.: Spec_PFFY-P-VLE(R)/M-E_2

1. SPECIFICATIONS

R410A Data G2

Model		PFFY-P32VLRM-E	PFFY-P40VLRM-E	PFFY-P50VLRM-E	PFFY-P63VLRM-E		
Power source		1-phase 220-240V 50Hz, 1-phase 208-230V 60Hz					
Cooling capacity (Nominal)	*1	kW	3.6	4.5	5.6	7.1	
	*1	kcal / h	3,100	3,900	4,800	6,100	
	*1	Btu / h	12,300	15,400	19,100	24,200	
	*2	kcal / h	3,150	4,000	5,000	6,300	
		Power input	kW	0.06 / 0.07	0.065 / 0.075	0.085 / 0.09	0.1 / 0.11
		Current input	A	0.29 / 0.30	0.32 / 0.33	0.40 / 0.41	0.46 / 0.47
Heating capacity (Nominal)	*3	kW	4.0	5.0	6.3	8.0	
	*3	kcal / h	3,400	4,300	5,400	6,900	
	*3	Btu / h	13,600	17,100	21,500	27,300	
		Power input	kW	0.06 / 0.07	0.065 / 0.075	0.085 / 0.09	0.1 / 0.11
			Current input	A	0.29 / 0.30	0.32 / 0.33	0.40 / 0.41
External finish		Galvanized					
External dimension H x W x D		mm	639 x 1,006 x 220	639 x 1,006 x 220	639 x 1,246 x 220	639 x 1,246 x 220	
		in.	25-3/16" x 39-5/8" x 8-11/16"	25-3/16" x 39-5/8" x 8-11/16"	25-3/16" x 49-1/16" x 8-11/16"	25-3/16" x 49-1/16" x 8-11/16"	
Net weight		kg (lb)	20 (45)	21 (47)	25 (56)	27 (60)	
Heat exchanger		Cross fin (Aluminum fin and copper tube)					
FAN	Type x Quantity		Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	
	External static press.	Pa	0	0	0	0	
		mmH ₂ O	0	0	0	0	
	Motor type		1-phase induction motor				
	Motor output		kW	0.018	0.030	0.035	0.063
	Driving mechanism		Direct-driven by motor				
	Airflow rate (Low-Mid-High)	m ³ / min	7.0 - 9.0	9.0 - 11.0	12.0 - 14.0	12.0 - 15.5	
		L / s	117 - 150	150 - 183	200 - 233	200 - 258	
cfm		247 - 318	318 - 388	424 - 494	424 - 547		
Noise level (Low-Mid-High) (measured in anechoic room)	dB <A>	33 - 38 (220V, 50Hz)	36 - 41 (220V, 50Hz)	36 - 41 (220V, 50Hz)	38 - 44 (220V, 50Hz)		
	dB <A>	34 - 39 (230V, 50Hz)	37 - 42 (230V, 50Hz)	37 - 42 (230V, 50Hz)	39 - 45 (230V, 50Hz)		
	dB <A>	35 - 40 (240V, 50Hz)	38 - 43 (240V, 50Hz)	38 - 43 (240V, 50Hz)	40 - 46 (240V, 50Hz)		
Insulation material		Polyethylene foam, Urethane foam					
Air filter		PP honeycomb fabric (washable)					
Protection device		Fuse					
Refrigerant control device		LEV					
Connectable outdoor unit		R410A, R407C, R22 CITY MULTI					
Diameter of refrigerant pipe	Liquid (R410A) (R22, R407C)	mm (in.)	ø6.35 (ø1/4") Flare	ø6.35 (ø1/4") Flare	ø6.35 (ø1/4") Flare	ø9.52 (ø3/8") Flare	
		mm (in.)	ø6.35 (ø1/4") Flare	ø6.35 (ø1/4") Flare	ø9.52 (ø3/8") Flare	ø9.52 (ø3/8") Flare	
Diameter of drain pipe	Gas (R410A) (R22, R407C)	mm (in.)	ø12.7 (ø1/2") Flare	ø12.7 (ø1/2") Flare	ø12.7 (ø1/2") Flare	ø15.88 (ø5/8") Flare	
		mm (in.)	ø12.7 (ø1/2") Flare	ø12.7 (ø1/2") Flare	ø15.88 (ø5/8") Flare	ø15.88 (ø5/8") Flare	
Drawing		Accessory hose ø27 (top end : ø20)					
Standard attachment	Document	IU-W65-3951					
	Accessory	IU-W65-3960					
		-					
Remark		Installation Manual, Instruction Book					
Remark	Optional parts						
	Installation	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 = m ³ /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.				*Above specification data is subject to rounding variation.
* Due to continuing improvement, above specification may be subject to change without notice.				

Ref.: Spec_PFFY-P-VLE(R)M-E_3

2. CAPACITY TABLES

R410A Data G2

2-1a. Cooling capacity in combination with PUHY,PUY,PURY-P200,250YGM

PFFY-P-VLEM-E,VLRM-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.													
			71°FDB / 59°FWB		73°FDB / 61°FWB		77°FDB / 64°FWB		81°FDB / 66°FWB		82°FDB / 68°FWB		86°FDB / 72°FWB		90°FDB / 75°FWB	
	°FDB	°CDB	21.5°CDB / 15°CWB		23°CDB / 16°CWB		25°CDB / 18°CWB		27°CDB / 19°CWB		28°CDB / 20°CWB		30°CDB / 22°CWB		32°CDB / 24°CWB	
			CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	68	20.0	2.1	1.9	2.2	2.0	2.3	1.9	2.4	2.0	2.5	2.1	2.6	2.0	2.8	2.0
	73	22.5	2.1	1.9	2.2	2.0	2.3	1.9	2.4	2.0	2.5	2.1	2.6	2.0	2.8	2.0
	77	25.0	2.1	1.9	2.2	2.0	2.3	1.9	2.4	2.0	2.4	2.1	2.6	2.0	2.7	2.0
	82	27.5	2.1	1.9	2.1	1.9	2.3	1.9	2.3	2.0	2.4	2.1	2.5	2.0	2.7	2.0
	86	30.0	2.0	1.9	2.1	1.9	2.2	1.9	2.3	2.0	2.3	2.0	2.5	2.0	2.6	2.0
	91	32.5	2.0	1.8	2.1	1.9	2.2	1.9	2.2	1.9	2.3	2.0	2.4	2.0	2.6	2.0
	95	35.0	2.0	1.8	2.0	1.9	2.1	1.9	2.2	1.9	2.3	2.0	2.4	2.0	2.5	1.9
	100	37.5	1.9	1.8	2.0	1.9	2.1	1.9	2.1	1.9	2.2	2.0	2.3	2.0	2.5	1.9
	104	40.0	1.9	1.8	1.9	1.9	2.1	1.8	2.1	1.9	2.2	2.0	2.3	1.9	2.4	1.9
110	43.0	1.8	1.8	1.9	1.8	2.0	1.8	2.0	1.9	2.1	1.9	2.2	1.9	2.4	1.9	
25 (2.8)	68	20.0	2.7	2.1	2.8	2.2	2.9	2.2	3.0	2.2	3.1	2.3	3.3	2.3	3.5	2.3
	73	22.5	2.7	2.1	2.8	2.2	2.9	2.2	3.0	2.2	3.1	2.3	3.3	2.3	3.5	2.3
	77	25.0	2.7	2.1	2.8	2.2	2.9	2.2	3.0	2.2	3.1	2.3	3.3	2.3	3.5	2.3
	82	27.5	2.6	2.1	2.7	2.2	2.9	2.2	3.0	2.2	3.1	2.3	3.2	2.3	3.4	2.2
	86	30.0	2.6	2.1	2.7	2.2	2.8	2.2	2.9	2.2	3.0	2.3	3.1	2.2	3.3	2.2
	91	32.5	2.5	2.1	2.6	2.2	2.8	2.1	2.8	2.2	2.9	2.3	3.1	2.2	3.3	2.2
	95	35.0	2.5	2.1	2.6	2.1	2.7	2.1	2.8	2.2	2.9	2.2	3.0	2.2	3.2	2.2
	100	37.5	2.5	2.0	2.5	2.1	2.7	2.1	2.7	2.1	2.8	2.2	3.0	2.2	3.1	2.1
	104	40.0	2.4	2.0	2.5	2.1	2.6	2.1	2.7	2.1	2.8	2.2	2.9	2.2	3.1	2.1
110	43.0	2.4	2.0	2.4	2.1	2.6	2.0	2.6	2.1	2.7	2.2	2.8	2.1	3.0	2.1	
32 (3.6)	68	20.0	3.4	2.5	3.5	2.6	3.8	2.5	3.9	2.6	4.0	2.7	4.2	2.6	4.6	2.6
	73	22.5	3.4	2.5	3.5	2.6	3.8	2.5	3.9	2.6	4.0	2.7	4.2	2.6	4.6	2.6
	77	25.0	3.4	2.5	3.5	2.6	3.8	2.5	3.9	2.6	4.0	2.6	4.2	2.6	4.5	2.6
	82	27.5	3.4	2.5	3.5	2.5	3.7	2.5	3.8	2.5	3.9	2.6	4.1	2.6	4.4	2.5
	86	30.0	3.3	2.4	3.4	2.5	3.6	2.5	3.7	2.5	3.8	2.6	4.0	2.5	4.3	2.5
	91	32.5	3.3	2.4	3.4	2.5	3.6	2.4	3.7	2.5	3.8	2.6	4.0	2.5	4.2	2.5
	95	35.0	3.2	2.4	3.3	2.4	3.5	2.4	3.6	2.4	3.7	2.5	3.9	2.5	4.1	2.4
	100	37.5	3.2	2.3	3.2	2.4	3.4	2.4	3.5	2.4	3.6	2.5	3.8	2.5	4.0	2.4
	104	40.0	3.1	2.3	3.2	2.4	3.4	2.4	3.5	2.4	3.6	2.5	3.7	2.4	4.0	2.4
110	43.0	3.0	2.3	3.1	2.3	3.3	2.3	3.3	2.3	3.5	2.4	3.6	2.4	3.9	2.3	
40 (4.5)	68	20.0	4.3	3.1	4.4	3.2	4.7	3.2	4.9	3.2	5.0	3.3	5.3	3.3	5.7	3.3
	73	22.5	4.3	3.1	4.4	3.2	4.7	3.2	4.9	3.2	5.0	3.3	5.3	3.3	5.7	3.3
	77	25.0	4.3	3.1	4.4	3.2	4.7	3.2	4.9	3.2	5.0	3.3	5.3	3.3	5.6	3.2
	82	27.5	4.3	3.1	4.4	3.2	4.6	3.1	4.8	3.2	4.9	3.3	5.2	3.2	5.5	3.2
	86	30.0	4.2	3.1	4.3	3.1	4.6	3.1	4.7	3.1	4.8	3.3	5.0	3.2	5.4	3.2
	91	32.5	4.1	3.0	4.2	3.1	4.5	3.1	4.6	3.1	4.7	3.2	5.0	3.2	5.3	3.1
	95	35.0	4.0	3.0	4.1	3.1	4.4	3.0	4.5	3.1	4.6	3.2	4.9	3.1	5.2	3.1
	100	37.5	3.9	2.9	4.1	3.0	4.3	3.0	4.4	3.0	4.5	3.1	4.8	3.1	5.0	3.0
	104	40.0	3.9	2.9	4.0	3.0	4.2	3.0	4.3	3.0	4.5	3.1	4.7	3.0	5.0	3.0
110	43.0	3.8	2.9	3.9	3.0	4.1	2.9	4.2	2.9	4.3	3.1	4.5	3.0	4.8	3.0	
50 (5.6)	68	20.0	5.3	3.9	5.5	4.1	5.9	4.0	6.0	4.1	6.2	4.2	6.6	4.2	7.1	4.1
	73	22.5	5.3	3.9	5.5	4.1	5.9	4.0	6.0	4.1	6.2	4.2	6.6	4.2	7.1	4.1
	77	25.0	5.3	3.9	5.5	4.1	5.9	4.0	6.0	4.1	6.2	4.2	6.6	4.2	6.9	4.1
	82	27.5	5.3	3.9	5.5	4.0	5.8	4.0	5.9	4.0	6.1	4.2	6.4	4.1	6.8	4.0
	86	30.0	5.2	3.9	5.3	4.0	5.7	3.9	5.8	4.0	6.0	4.1	6.3	4.0	6.7	4.0
	91	32.5	5.1	3.8	5.3	3.9	5.5	3.9	5.7	3.9	5.9	4.1	6.2	4.0	6.6	3.9
	95	35.0	5.0	3.8	5.2	3.9	5.5	3.8	5.6	3.9	5.7	4.0	6.0	4.0	6.4	3.9
	100	37.5	4.9	3.7	5.0	3.8	5.3	3.8	5.5	3.8	5.6	4.0	5.9	3.9	6.3	3.8
	104	40.0	4.8	3.7	5.0	3.8	5.3	3.8	5.4	3.8	5.5	3.9	5.8	3.9	6.2	3.8
110	43.0	4.7	3.6	4.8	3.7	5.1	3.7	5.2	3.7	5.4	3.9	5.7	3.8	6.0	3.7	
63 (7.1)	68	20.0	6.7	4.9	7.0	5.0	7.5	5.0	7.7	5.0	7.9	5.2	8.4	5.1	9.0	5.1
	73	22.5	6.7	4.9	7.0	5.0	7.5	5.0	7.7	5.0	7.9	5.2	8.4	5.1	9.0	5.1
	77	25.0	6.7	4.9	7.0	5.0	7.5	5.0	7.7	5.0	7.8	5.2	8.3	5.1	8.8	5.0
	82	27.5	6.7	4.9	6.9	5.0	7.3	4.9	7.5	5.0	7.7	5.1	8.1	5.0	8.7	5.0
	86	30.0	6.6	4.8	6.8	4.9	7.2	4.9	7.4	4.9	7.6	5.1	8.0	5.0	8.5	4.9
	91	32.5	6.5	4.7	6.7	4.9	7.0	4.8	7.2	4.8	7.4	5.0	7.8	4.9	8.3	4.9
	95	35.0	6.4	4.7	6.5	4.8	6.9	4.7	7.1	4.8	7.3	5.0	7.7	4.9	8.1	4.8
	100	37.5	6.2	4.6	6.4	4.7	6.8	4.7	6.9	4.7	7.1	4.9	7.5	4.8	8.0	4.7
	104	40.0	6.1	4.5	6.3	4.7	6.7	4.6	6.8	4.7	7.0	4.8	7.3	4.7	7.8	4.7
110	43.0	6.0	4.5	6.1	4.6	6.5	4.5	6.6	4.6	6.8	4.8	7.2	4.7	7.6	4.6	

kcal/h = kW x 860, Btu/h = kW x 3,412

2. CAPACITY TABLES

R410A Data G2

2-1b. Heating capacity in combination with PUHY,PURY-P200,250YGM

PFFY-P-VLEM-E,VLRM-E

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB 15.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
20 (2.2)	-4	-20.0	1.3	1.3	1.3	1.3
	5	-15.0	1.6	1.5	1.5	1.5
	14	-10.0	1.8	1.8	1.8	1.7
	23	-5.0	2.1	2.1	2.0	1.8
	32	0.0	2.4	2.4	2.0	1.8
	37	2.5	2.5	2.5	2.0	1.8
	43	6.0	2.6	2.5	2.0	1.8
	46	7.5	2.7	2.5	2.0	1.8
	50	10.0	2.9	2.5	2.0	1.8
	55	12.5	3.0	2.5	2.0	1.8
60	15.5	3.2	2.5	2.0	1.8	
25 (2.8)	-4	-20.0	1.6	1.6	1.6	1.6
	5	-15.0	2.0	2.0	1.9	1.9
	14	-10.0	2.3	2.3	2.2	2.2
	23	-5.0	2.7	2.7	2.6	2.2
	32	0.0	3.0	3.0	2.6	2.2
	37	2.5	3.2	3.2	2.6	2.2
	43	6.0	3.3	3.2	2.6	2.2
	46	7.5	3.4	3.2	2.6	2.2
	50	10.0	3.6	3.2	2.6	2.2
	55	12.5	3.9	3.2	2.6	2.2
60	15.5	4.1	3.2	2.6	2.2	
32 (3.6)	-4	-20.0	2.1	2.0	2.0	2.0
	5	-15.0	2.5	2.4	2.4	2.4
	14	-10.0	2.9	2.9	2.8	2.7
	23	-5.0	3.4	3.3	3.2	2.8
	32	0.0	3.8	3.8	3.2	2.8
	37	2.5	4.0	4.0	3.2	2.8
	43	6.0	4.2	4.0	3.2	2.8
	46	7.5	4.3	4.0	3.2	2.8
	50	10.0	4.6	4.0	3.2	2.8
	55	12.5	4.8	4.0	3.2	2.8
60	15.5	5.1	4.0	3.2	2.8	
40 (4.5)	-4	-20.0	2.6	2.5	2.5	2.5
	5	-15.0	3.1	3.1	3.0	3.0
	14	-10.0	3.7	3.6	3.5	3.4
	23	-5.0	4.2	4.2	4.0	3.5
	32	0.0	4.7	4.7	4.0	3.5
	37	2.5	5.0	5.0	4.0	3.5
	43	6.0	5.2	5.0	4.0	3.5
	46	7.5	5.4	5.0	4.0	3.5
	50	10.0	5.7	5.0	4.0	3.5
	55	12.5	6.0	5.0	4.0	3.5
60	15.5	6.4	5.0	4.0	3.5	
50 (5.6)	-4	-20.0	3.2	3.2	3.2	3.2
	5	-15.0	3.9	3.8	3.8	3.7
	14	-10.0	4.6	4.5	4.4	4.3
	23	-5.0	5.3	5.2	5.0	4.4
	32	0.0	6.0	5.9	5.0	4.4
	37	2.5	6.3	6.2	5.0	4.4
	43	6.0	6.6	6.3	5.0	4.4
	46	7.5	6.8	6.3	5.0	4.4
	50	10.0	7.2	6.3	5.0	4.4
	55	12.5	7.6	6.3	5.0	4.4
60	15.5	8.1	6.3	5.0	4.4	
63 (7.1)	-4	-20.0	4.1	4.0	4.0	4.0
	5	-15.0	5.0	4.9	4.8	4.7
	14	-10.0	5.8	5.8	5.6	5.5
	23	-5.0	6.7	6.6	6.4	5.6
	32	0.0	7.6	7.5	6.4	5.6
	37	2.5	8.0	7.9	6.4	5.6
	43	6.0	8.3	8.0	6.4	5.6
	46	7.5	8.6	8.0	6.4	5.6
	50	10.0	9.1	8.0	6.4	5.6
	55	12.5	9.6	8.0	6.4	5.6
60	15.5	10.2	8.0	6.4	5.6	

kcal/h = kW x 860, Btu/h = kW x 3,412

2. CAPACITY TABLES

2-2a. Cooling capacity in combination with PUHY,PUY,PURY-P300,350YGM / PUHY,PURY-P400YGM

PFFY-P-VLEM-E,VLRM-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.													
			71°FDB / 59°FWB		73°FDB / 61°FWB		77°FDB / 64°FWB		81°FDB / 66°FWB		82°FDB / 68°FWB		86°FDB / 72°FWB		90°FDB / 75°FWB	
	°FDB	°CDB	21.5°CDB / 15°CWB		23°CDB / 16°CWB		25°CDB / 18°CWB		27°CDB / 19°CWB		28°CDB / 20°CWB		30°CDB / 22°CWB		32°CDB / 24°CWB	
		CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	
20 (2.2)	68	20.0	2.1	1.9	2.2	2.0	2.4	2.0	2.5	2.0	2.5	2.1	2.7	2.1	2.9	2.1
	73	22.5	2.1	1.9	2.2	2.0	2.3	2.0	2.4	2.0	2.5	2.1	2.6	2.1	2.8	2.0
	77	25.0	2.1	1.9	2.2	1.9	2.3	1.9	2.4	2.0	2.4	2.1	2.6	2.0	2.8	2.0
	82	27.5	2.1	1.9	2.1	1.9	2.3	1.9	2.3	2.0	2.4	2.1	2.5	2.0	2.7	2.0
	86	30.0	2.0	1.8	2.1	1.9	2.2	1.9	2.3	2.0	2.4	2.0	2.5	2.0	2.6	2.0
	91	32.5	2.0	1.8	2.0	1.9	2.2	1.9	2.2	1.9	2.3	2.0	2.4	2.0	2.6	2.0
	95	35.0	2.0	1.8	2.0	1.9	2.1	1.9	2.2	1.9	2.3	2.0	2.4	2.0	2.5	2.0
	100	37.5	1.9	1.8	1.9	1.9	2.1	1.8	2.1	1.9	2.2	2.0	2.4	2.0	2.5	1.9
	104	40.0	1.9	1.8	1.9	1.8	2.0	1.8	2.1	1.9	2.4	2.0	2.3	1.9	2.4	1.9
110	43.0	1.8	1.8	1.8	1.8	2.0	1.8	2.0	1.9	2.1	1.9	2.2	1.9	2.4	1.9	
25 (2.8)	68	20.0	2.7	2.2	2.8	2.2	3.0	2.2	3.1	2.3	3.2	2.4	3.4	2.3	3.6	2.3
	73	22.5	2.7	2.2	2.8	2.2	3.0	2.2	3.1	2.3	3.2	2.4	3.4	2.3	3.6	2.3
	77	25.0	2.7	2.1	2.7	2.2	2.9	2.2	3.0	2.2	3.1	2.3	3.3	2.3	3.5	2.3
	82	27.5	2.6	2.1	2.7	2.2	2.9	2.2	3.0	2.2	3.1	2.3	3.2	2.3	3.4	2.2
	86	30.0	2.6	2.1	2.6	2.2	2.8	2.1	2.9	2.2	3.0	2.3	3.2	2.3	3.4	2.2
	91	32.5	2.5	2.1	2.6	2.1	2.8	2.1	2.9	2.2	2.9	2.3	3.1	2.2	3.3	2.2
	95	35.0	2.5	2.1	2.5	2.1	2.7	2.1	2.8	2.2	2.9	2.2	3.1	2.2	3.2	2.2
	100	37.5	2.5	2.0	2.5	2.1	2.6	2.1	2.7	2.1	2.8	2.2	3.0	2.2	3.2	2.2
	104	40.0	2.4	2.0	2.4	2.1	2.6	2.1	2.7	2.1	3.0	2.3	2.9	2.2	3.1	2.1
110	43.0	2.4	2.0	2.4	2.0	2.5	2.0	2.6	2.1	2.7	2.2	2.8	2.1	3.0	2.1	
32 (3.6)	68	20.0	3.5	2.5	3.6	2.6	3.9	2.6	4.0	2.6	4.2	2.7	4.4	2.7	4.7	2.7
	73	22.5	3.5	2.5	3.6	2.6	3.8	2.6	4.0	2.6	4.1	2.7	4.3	2.7	4.6	2.6
	77	25.0	3.4	2.5	3.5	2.5	3.8	2.5	3.9	2.6	4.0	2.7	4.2	2.6	4.5	2.6
	82	27.5	3.4	2.5	3.5	2.5	3.7	2.5	3.8	2.5	3.9	2.6	4.2	2.6	4.4	2.5
	86	30.0	3.3	2.4	3.4	2.5	3.6	2.5	3.7	2.5	3.9	2.6	4.1	2.6	4.3	2.5
	91	32.5	3.3	2.4	3.3	2.5	3.5	2.4	3.7	2.5	3.8	2.6	4.0	2.5	4.2	2.5
	95	35.0	3.2	2.4	3.3	2.4	3.5	2.4	3.6	2.4	3.7	2.5	3.9	2.5	4.2	2.5
	100	37.5	3.2	2.4	3.2	2.4	3.4	2.4	3.5	2.4	3.6	2.5	3.9	2.5	4.1	2.4
	104	40.0	3.1	2.3	3.1	2.3	3.3	2.3	3.4	2.4	3.9	2.6	3.8	2.4	4.0	2.4
110	43.0	3.0	2.3	3.0	2.3	3.2	2.3	3.3	2.3	3.4	2.4	3.7	2.4	3.9	2.4	
40 (4.5)	68	20.0	4.4	3.2	4.5	3.3	4.9	3.3	5.0	3.3	5.2	3.4	5.5	3.4	5.9	3.3
	73	22.5	4.3	3.1	4.5	3.2	4.8	3.2	5.0	3.3	5.1	3.4	5.4	3.3	5.7	3.3
	77	25.0	4.3	3.1	4.4	3.2	4.7	3.2	4.9	3.2	5.0	3.3	5.3	3.3	5.6	3.2
	82	27.5	4.2	3.1	4.3	3.2	4.6	3.1	4.8	3.2	4.9	3.3	5.2	3.3	5.5	3.2
	86	30.0	4.1	3.0	4.2	3.1	4.5	3.1	4.7	3.1	4.8	3.3	5.1	3.2	5.4	3.2
	91	32.5	4.1	3.0	4.2	3.1	4.4	3.1	4.6	3.1	4.7	3.2	5.0	3.2	5.3	3.1
	95	35.0	4.0	3.0	4.1	3.0	4.3	3.0	4.5	3.1	4.6	3.2	4.9	3.1	5.2	3.1
	100	37.5	4.0	3.0	4.0	3.0	4.3	3.0	4.4	3.0	4.5	3.1	4.8	3.1	5.1	3.1
	104	40.0	3.9	2.9	3.9	3.0	4.2	2.9	4.3	3.0	4.9	3.3	4.7	3.1	5.0	3.0
110	43.0	3.8	2.9	3.8	2.9	4.1	2.9	4.2	2.9	4.3	3.0	4.6	3.0	4.8	3.0	
50 (5.6)	68	20.0	5.4	4.0	5.6	4.1	6.0	4.1	6.3	4.2	6.5	4.3	6.9	4.3	7.3	4.2
	73	22.5	5.4	4.0	5.6	4.1	6.0	4.1	6.2	4.1	6.4	4.3	6.7	4.2	7.1	4.2
	77	25.0	5.3	3.9	5.5	4.0	5.9	4.0	6.0	4.1	6.2	4.2	6.6	4.2	7.0	4.1
	82	27.5	5.2	3.9	5.4	4.0	5.7	4.0	5.9	4.0	6.1	4.2	6.5	4.1	6.9	4.1
	86	30.0	5.2	3.8	5.3	3.9	5.6	3.9	5.8	4.0	6.0	4.1	6.4	4.1	6.7	4.0
	91	32.5	5.1	3.8	5.2	3.9	5.5	3.9	5.7	3.9	5.9	4.1	6.2	4.0	6.6	4.0
	95	35.0	5.0	3.8	5.1	3.8	5.4	3.8	5.6	3.9	5.8	4.0	6.1	4.0	6.5	3.9
	100	37.5	4.9	3.7	5.0	3.8	5.3	3.8	5.5	3.8	5.7	4.0	6.0	3.9	6.3	3.9
	104	40.0	4.8	3.7	4.8	3.7	5.2	3.7	5.3	3.8	6.1	4.2	5.9	3.9	6.2	3.8
110	43.0	4.7	3.6	4.7	3.7	5.0	3.7	5.2	3.7	5.3	3.9	5.7	3.8	6.0	3.8	
63 (7.1)	68	20.0	6.9	4.9	7.1	5.1	7.7	5.1	8.0	5.2	8.2	5.4	8.7	5.3	9.2	5.2
	73	22.5	6.9	4.9	7.1	5.1	7.6	5.0	7.8	5.1	8.1	5.3	8.5	5.2	9.1	5.1
	77	25.0	6.8	4.9	7.0	5.0	7.4	5.0	7.7	5.0	7.9	5.2	8.4	5.1	8.9	5.1
	82	27.5	6.6	4.8	6.8	4.9	7.3	4.9	7.5	5.0	7.8	5.2	8.2	5.1	8.7	5.0
	86	30.0	6.5	4.8	6.7	4.9	7.1	4.8	7.4	4.9	7.6	5.1	8.1	5.0	8.5	4.9
	91	32.5	6.4	4.7	6.6	4.8	7.0	4.8	7.2	4.9	7.5	5.0	7.9	4.9	8.4	4.9
	95	35.0	6.3	4.7	6.4	4.7	6.8	4.7	7.1	4.8	7.3	5.0	7.7	4.9	8.2	4.8
	100	37.5	6.2	4.6	6.3	4.7	6.7	4.6	6.9	4.7	7.2	4.9	7.6	4.8	8.0	4.8
	104	40.0	6.1	4.6	6.1	4.6	6.6	4.6	6.8	4.7	7.7	5.1	7.4	4.8	7.8	4.7
110	43.0	6.0	4.5	6.0	4.5	6.4	4.5	6.6	4.6	6.8	4.7	7.2	4.7	7.6	4.6	

kcal/h = kW x 860, Btu/h = kW x 3,412

2. CAPACITY TABLES

R410A Data G2

2-2b. Heating capacity in combination with PUHY,PURY-P300,350,400YGM

PFFY-P-VLEM-E,VLRM-E

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB	68 °FDB	77 °FDB	81 °FDB
	°FWB	°CWB	15.0°CDB	20.0°CDB	25.0°CDB	27.0°CDB
20 (2.2)	-4	-20.0	1.3	1.3	1.3	1.2
	5	-15.0	1.5	1.5	1.5	1.5
	14	-10.0	1.8	1.8	1.7	1.6
	23	-5.0	2.0	2.0	1.9	1.6
	32	0.0	2.3	2.3	1.9	1.6
	37	2.5	2.4	2.4	1.9	1.6
	43	6.0	2.6	2.5	1.9	1.6
	46	7.5	2.7	2.5	1.9	1.6
	50	10.0	2.8	2.5	1.9	1.6
	60	15.5	2.9	2.5	1.9	1.6
25 (2.8)	-4	-20.0	1.7	1.6	1.6	1.5
	5	-15.0	1.9	1.9	1.9	1.9
	14	-10.0	2.2	2.2	2.2	2.0
	23	-5.0	2.6	2.6	2.4	2.0
	32	0.0	2.9	2.9	2.4	2.0
	37	2.5	3.1	3.0	2.4	2.0
	43	6.0	3.3	3.2	2.4	2.0
	46	7.5	3.4	3.2	2.4	2.0
	50	10.0	3.5	3.2	2.4	2.0
	60	15.5	3.7	3.2	2.4	2.0
32 (3.6)	-4	-20.0	2.1	2.0	2.0	1.9
	5	-15.0	2.4	2.4	2.4	2.3
	14	-10.0	2.8	2.8	2.7	2.6
	23	-5.0	3.2	3.2	3.0	2.6
	32	0.0	3.6	3.6	3.0	2.6
	37	2.5	3.8	3.8	3.0	2.6
	43	6.0	4.1	4.0	3.0	2.6
	46	7.5	4.2	4.0	3.0	2.6
	50	10.0	4.4	4.0	3.0	2.6
	60	15.5	4.6	4.0	3.0	2.6
40 (4.5)	-4	-20.0	2.6	2.5	2.5	2.4
	5	-15.0	3.0	3.0	3.0	2.9
	14	-10.0	3.5	3.5	3.4	3.2
	23	-5.0	4.0	4.0	3.8	3.2
	32	0.0	4.5	4.5	3.8	3.2
	37	2.5	4.8	4.7	3.8	3.2
	43	6.0	5.1	5.0	3.8	3.2
	46	7.5	5.3	5.0	3.8	3.2
	50	10.0	5.5	5.0	3.8	3.2
	60	15.5	5.8	5.0	3.8	3.2
50 (5.6)	-4	-20.0	3.3	3.2	3.2	3.0
	5	-15.0	3.8	3.8	3.8	3.7
	14	-10.0	4.4	4.4	4.3	4.0
	23	-5.0	5.0	5.0	4.7	4.0
	32	0.0	5.7	5.7	4.7	4.0
	37	2.5	6.0	6.0	4.7	4.0
	43	6.0	6.5	6.3	4.7	4.0
	46	7.5	6.7	6.3	4.7	4.0
	50	10.0	7.0	6.3	4.7	4.0
	60	15.5	7.2	6.3	4.7	4.0
63 (7.1)	-4	-20.0	4.2	4.0	4.0	3.8
	5	-15.0	4.8	4.8	4.8	4.6
	14	-10.0	5.6	5.6	5.5	5.1
	23	-5.0	6.4	6.4	6.0	5.1
	32	0.0	7.2	7.2	6.0	5.1
	37	2.5	7.6	7.6	6.0	5.1
	43	6.0	8.2	8.0	6.0	5.1
	46	7.5	8.5	8.0	6.0	5.1
	50	10.0	8.8	8.0	6.0	5.1
	60	15.5	9.2	8.0	6.0	5.1

kcal/h = kW x 860, Btu/h = kW x 3,412

2. CAPACITY TABLES

2-3a. Cooling capacity in combination with PUHY,PURY-P450,500,550,600,650YGM

PFFY-P-VLEM-E,VLRM-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.														
			71°FDB / 59°FWB		73°FDB / 61°FWB		77°FDB / 64°FWB		81°FDB / 66°FWB		82°FDB / 68°FWB		86°FDB / 72°FWB		90°FDB / 75°FWB		
	°FDB	°CDB	21.5°CDB / 15°CWB		23°CDB / 16°CWB		25°CDB / 18°CWB		27°CDB / 19°CWB		28°CDB / 20°CWB		30°CDB / 22°CWB		32°CDB / 24°CWB		
		CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	68	20.0	2.1	1.9	2.1	1.9	2.3	1.9	2.4	2.0	2.5	2.1	2.6	2.0	2.8	2.0	
	73	22.5	2.1	1.9	2.1	1.9	2.3	1.9	2.3	2.0	2.4	2.1	2.6	2.0	2.7	2.0	
	77	25.0	2.0	1.9	2.1	1.9	2.2	1.9	2.3	2.0	2.4	2.1	2.6	2.0	2.7	2.0	
	82	27.5	2.0	1.8	2.1	1.9	2.2	1.9	2.3	2.0	2.4	2.0	2.5	2.0	2.6	2.0	
	86	30.0	2.0	1.8	2.0	1.9	2.2	1.9	2.3	1.9	2.4	2.0	2.5	2.0	2.7	2.0	
	91	32.5	2.0	1.8	2.0	1.9	2.2	1.9	2.2	1.9	2.3	2.0	2.5	2.0	2.6	2.0	
	95	35.0	2.0	1.8	2.0	1.9	2.1	1.9	2.2	1.9	2.3	2.0	2.5	2.0	2.6	2.0	
	100	37.5	1.9	1.8	2.0	1.9	2.1	1.9	2.2	1.9	2.3	2.0	2.4	2.0	2.6	2.0	
	104	40.0	1.9	1.8	1.9	1.9	2.1	1.9	2.1	1.9	2.2	2.0	2.4	2.0	2.6	2.0	
110	43.0	1.9	1.8	1.9	1.8	2.1	1.8	2.1	1.9	2.2	2.0	2.4	2.0	2.6	2.0		
25 (2.8)	68	20.0	2.6	2.1	2.7	2.2	2.9	2.2	3.0	2.2	3.1	2.3	3.3	2.3	3.5	2.3	
	73	22.5	2.6	2.1	2.7	2.2	2.9	2.2	3.0	2.2	3.1	2.3	3.3	2.3	3.5	2.3	
	77	25.0	2.6	2.1	2.7	2.2	2.9	2.2	2.9	2.2	3.1	2.3	3.2	2.3	3.5	2.3	
	82	27.5	2.6	2.1	2.6	2.2	2.8	2.2	2.9	2.2	3.0	2.3	3.2	2.3	3.4	2.2	
	86	30.0	2.5	2.1	2.6	2.1	2.8	2.1	2.9	2.2	3.0	2.3	3.2	2.3	3.4	2.2	
	91	32.5	2.5	2.1	2.6	2.1	2.7	2.1	2.8	2.2	3.0	2.3	3.2	2.2	3.4	2.2	
	95	35.0	2.5	2.1	2.5	2.1	2.7	2.1	2.8	2.2	2.9	2.3	3.1	2.2	3.3	2.2	
	100	37.5	2.5	2.0	2.5	2.1	2.7	2.1	2.8	2.1	2.9	2.2	3.1	2.2	3.3	2.2	
	104	40.0	2.4	2.0	2.5	2.1	2.7	2.1	2.7	2.1	2.9	2.2	3.1	2.2	3.3	2.2	
110	43.0	2.4	2.0	2.5	2.1	2.6	2.1	2.7	2.1	2.8	2.2	3.0	2.2	3.2	2.2		
32 (3.6)	68	20.0	3.4	2.5	3.5	2.5	3.7	2.5	3.9	2.6	4.0	2.7	4.2	2.6	4.5	2.6	
	73	22.5	3.4	2.5	3.5	2.5	3.7	2.5	3.8	2.5	4.0	2.6	4.2	2.6	4.5	2.6	
	77	25.0	3.3	2.4	3.4	2.5	3.7	2.5	3.8	2.5	3.9	2.6	4.2	2.6	4.4	2.6	
	82	27.5	3.3	2.4	3.4	2.5	3.6	2.5	3.7	2.5	3.9	2.6	4.1	2.6	4.3	2.5	
	86	30.0	3.3	2.4	3.3	2.5	3.6	2.5	3.7	2.5	3.9	2.6	4.1	2.6	4.4	2.5	
	91	32.5	3.2	2.4	3.3	2.4	3.5	2.4	3.6	2.5	3.8	2.6	4.1	2.6	4.3	2.5	
	95	35.0	3.2	2.4	3.3	2.4	3.5	2.4	3.6	2.4	3.7	2.5	4.0	2.5	4.3	2.5	
	100	37.5	3.2	2.4	3.2	2.4	3.5	2.4	3.5	2.4	3.7	2.5	4.0	2.5	4.2	2.5	
	104	40.0	3.1	2.3	3.2	2.4	3.4	2.4	3.5	2.4	3.7	2.5	4.0	2.5	4.2	2.5	
110	43.0	3.1	2.3	3.2	2.4	3.4	2.4	3.5	2.4	3.6	2.5	3.9	2.5	4.2	2.5		
40 (4.5)	68	20.0	4.3	3.1	4.4	3.2	4.7	3.2	4.8	3.2	5.0	3.3	5.3	3.3	5.7	3.3	
	73	22.5	4.2	3.1	4.3	3.2	4.6	3.1	4.8	3.2	5.0	3.3	5.3	3.3	5.6	3.2	
	77	25.0	4.2	3.1	4.3	3.1	4.6	3.1	4.7	3.2	4.9	3.3	5.2	3.3	5.6	3.2	
	82	27.5	4.1	3.0	4.2	3.1	4.5	3.1	4.7	3.1	4.9	3.3	5.2	3.2	5.4	3.2	
	86	30.0	4.1	3.0	4.2	3.1	4.5	3.1	4.6	3.1	4.8	3.3	5.1	3.2	5.4	3.2	
	91	32.5	4.1	3.0	4.1	3.1	4.4	3.0	4.5	3.1	4.8	3.2	5.1	3.2	5.4	3.2	
	95	35.0	4.0	3.0	4.1	3.0	4.4	3.0	4.5	3.1	4.7	3.2	5.0	3.2	5.4	3.1	
	100	37.5	4.0	3.0	4.0	3.0	4.3	3.0	4.4	3.0	4.7	3.2	5.0	3.2	5.3	3.1	
	104	40.0	3.9	2.9	4.0	3.0	4.3	3.0	4.4	3.0	4.6	3.2	5.0	3.2	5.3	3.1	
110	43.0	3.9	2.9	3.9	3.0	4.2	3.0	4.3	3.0	4.5	3.1	4.9	3.1	5.2	3.1		
50 (5.6)	68	20.0	5.3	3.9	5.5	4.0	5.8	4.0	6.0	4.1	6.2	4.2	6.6	4.2	7.1	4.1	
	73	22.5	5.3	3.9	5.4	4.0	5.8	4.0	5.9	4.0	6.2	4.2	6.6	4.2	7.0	4.1	
	77	25.0	5.2	3.9	5.3	4.0	5.7	4.0	5.9	4.0	6.1	4.2	6.5	4.1	6.9	4.1	
	82	27.5	5.2	3.8	5.3	3.9	5.7	3.9	5.8	4.0	6.0	4.2	6.4	4.1	6.7	4.0	
	86	30.0	5.1	3.8	5.2	3.9	5.6	3.9	5.8	4.0	6.0	4.1	6.4	4.1	6.8	4.0	
	91	32.5	5.0	3.8	5.2	3.9	5.5	3.9	5.7	3.9	5.9	4.1	6.3	4.1	6.7	4.0	
	95	35.0	5.0	3.8	5.1	3.8	5.5	3.8	5.6	3.9	5.8	4.1	6.3	4.0	6.7	4.0	
	100	37.5	4.9	3.7	5.0	3.8	5.4	3.8	5.5	3.9	5.8	4.0	6.2	4.0	6.6	4.0	
	104	40.0	4.8	3.7	5.0	3.8	5.3	3.8	5.4	3.8	5.7	4.0	6.2	4.0	6.6	3.9	
110	43.0	4.8	3.7	4.9	3.8	5.3	3.8	5.4	3.8	5.7	4.0	6.0	4.0	6.5	3.9		
63 (7.1)	68	20.0	6.7	4.9	6.9	5.0	7.4	5.0	7.6	5.0	7.9	5.2	8.4	5.1	8.9	5.1	
	73	22.5	6.7	4.8	6.9	4.9	7.3	4.9	7.5	5.0	7.8	5.2	8.3	5.1	8.8	5.1	
	77	25.0	6.6	4.8	6.8	4.9	7.2	4.9	7.5	4.9	7.7	5.1	8.2	5.1	8.8	5.0	
	82	27.5	6.5	4.8	6.7	4.9	7.2	4.9	7.4	4.9	7.7	5.1	8.2	5.1	8.5	4.9	
	86	30.0	6.5	4.7	6.6	4.8	7.1	4.8	7.3	4.9	7.6	5.1	8.1	5.0	8.6	5.0	
	91	32.5	6.4	4.7	6.5	4.8	7.0	4.8	7.2	4.8	7.5	5.1	8.0	5.0	8.5	4.9	
	95	35.0	6.3	4.7	6.4	4.7	6.9	4.7	7.1	4.8	7.4	5.0	8.0	5.0	8.4	4.9	
	100	37.5	6.2	4.6	6.4	4.7	6.8	4.7	7.0	4.7	7.3	5.0	7.8	4.9	8.4	4.9	
	104	40.0	6.1	4.6	6.3	4.7	6.8	4.7	6.9	4.7	7.2	4.9	7.8	4.9	8.3	4.9	
110	43.0	6.1	4.5	6.2	4.6	6.7	4.6	6.8	4.7	7.2	4.9	7.7	4.9	8.2	4.8		

kcal/h = kW x 860, Btu/h = kW x 3,412

2. CAPACITY TABLES

R410A Data G2

2-3b. Heating capacity in combination with PUHY,PURY-P450,500,550,600,650YGM

PFFY-P-VLEM-E,VLRM-E SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB	68 °FDB	77 °FDB	81 °FDB
	°FWB	°CWB	15.0°CDB	20.0°CDB	25.0°CDB	27.0°CDB
			SHC	SHC	SHC	SHC
20 (2.2)	-4	-20.0	1.3	1.3	1.3	1.3
	5	-15.0	1.6	1.5	1.5	1.5
	14	-10.0	1.8	1.8	1.7	1.7
	23	-5.0	2.1	2.0	1.9	1.8
	32	0.0	2.3	2.3	2.0	1.8
	37	2.5	2.4	2.4	2.0	1.8
	43	6.0	2.6	2.5	2.0	1.8
	46	7.5	2.7	2.5	2.0	1.8
	50	10.0	2.8	2.5	2.0	1.8
	55	12.5	2.9	2.5	2.0	1.8
60	15.5	2.9	2.5	2.0	1.8	
25 (2.8)	-4	-20.0	1.7	1.6	1.6	1.6
	5	-15.0	2.0	1.9	1.9	1.9
	14	-10.0	2.3	2.2	2.2	2.1
	23	-5.0	2.6	2.6	2.5	2.3
	32	0.0	2.9	2.9	2.5	2.3
	37	2.5	3.1	3.0	2.5	2.3
	43	6.0	3.3	3.2	2.5	2.3
	46	7.5	3.4	3.2	2.5	2.3
	50	10.0	3.6	3.2	2.5	2.3
	55	12.5	3.7	3.2	2.5	2.3
60	15.5	3.7	3.2	2.5	2.3	
32 (3.6)	-4	-20.0	2.1	2.0	2.0	2.0
	5	-15.0	2.5	2.4	2.4	2.3
	14	-10.0	2.9	2.8	2.7	2.6
	23	-5.0	3.3	3.2	3.1	2.8
	32	0.0	3.7	3.6	3.2	2.8
	37	2.5	3.8	3.8	3.2	2.8
	43	6.0	4.1	4.0	3.2	2.8
	46	7.5	4.2	4.0	3.2	2.8
	50	10.0	4.4	4.0	3.2	2.8
	55	12.5	4.6	4.0	3.2	2.8
60	15.5	4.6	4.0	3.2	2.8	
40 (4.5)	-4	-20.0	2.7	2.6	2.6	2.5
	5	-15.0	3.1	3.0	3.0	2.9
	14	-10.0	3.6	3.5	3.4	3.3
	23	-5.0	4.1	4.0	3.9	3.5
	32	0.0	4.6	4.5	4.0	3.5
	37	2.5	4.8	4.8	4.0	3.5
	43	6.0	5.2	5.0	4.0	3.5
	46	7.5	5.3	5.0	4.0	3.5
	50	10.0	5.6	5.0	4.0	3.5
	55	12.5	5.8	5.0	4.0	3.5
60	15.5	5.8	5.0	4.0	3.5	
50 (5.6)	-4	-20.0	3.3	3.2	3.2	3.2
	5	-15.0	3.9	3.8	3.8	3.7
	14	-10.0	4.5	4.4	4.3	4.2
	23	-5.0	5.2	5.0	4.9	4.4
	32	0.0	5.8	5.7	5.0	4.4
	37	2.5	6.0	6.0	5.0	4.4
	43	6.0	6.5	6.3	5.0	4.4
	46	7.5	6.7	6.3	5.0	4.4
	50	10.0	7.0	6.3	5.0	4.4
	55	12.5	7.3	6.3	5.0	4.4
60	15.5	7.3	6.3	5.0	4.4	
63 (7.1)	-4	-20.0	4.2	4.1	4.1	4.0
	5	-15.0	5.0	4.8	4.8	4.6
	14	-10.0	5.8	5.6	5.4	5.3
	23	-5.0	6.6	6.4	6.2	5.6
	32	0.0	7.4	7.2	6.4	5.6
	37	2.5	7.7	7.6	6.4	5.6
	43	6.0	8.2	8.0	6.4	5.6
	46	7.5	8.5	8.0	6.4	5.6
	50	10.0	8.9	8.0	6.4	5.6
	55	12.5	9.3	8.0	6.4	5.6
60	15.5	9.3	8.0	6.4	5.6	

kcal/h = kW x 860, Btu/h = kW x 3,412

2. CAPACITY TABLES

R410A Data G2

2-4a. Cooling capacity in combination with PQHY,PQRY-P200,250YGM, PQHY,PQRY-P400,500YSGM

PFFY-P-VLEM-E,VLRM-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Water temp.		Indoor air temp.													
			71°FDB / 59°FWB 21.5°CDB / 15°CWB		73°FDB / 61°FWB 23°CDB / 16°CWB		77°FDB / 64°FWB 25°CDB / 18°CWB		81°FDB / 66°FWB 27°CDB / 19°CWB		82°FDB / 68°FWB 28°CDB / 20°CWB		86°FDB / 72°FWB 30°CDB / 22°CWB		90°FDB / 75°FWB 32°CDB / 24°CWB	
	°F	°C	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	50	10.0	2.2	1.9	2.3	2.0	2.4	2.0	2.5	2.0	2.6	2.1	2.7	2.1	2.9	2.1
	68	20.0	2.1	1.9	2.1	1.9	2.3	1.9	2.4	2.0	2.4	2.1	2.6	2.0	2.7	2.0
	86	30.0	1.9	1.8	2.0	1.9	2.1	1.9	2.2	1.9	2.3	2.0	2.4	2.0	2.5	2.0
	104	40.0	1.7	1.7	1.8	1.8	1.9	1.8	2.0	1.8	2.1	1.9	2.2	1.9	2.3	1.9
	113	45.0	1.6	1.7	1.7	1.7	1.8	1.7	1.9	1.8	1.9	1.9	2.0	1.9	2.2	1.8
25 (2.8)	50	10.0	2.8	2.2	2.9	2.3	3.1	2.3	3.2	2.3	3.3	2.4	3.5	2.4	3.7	2.3
	68	20.0	2.6	2.1	2.7	2.2	2.9	2.2	3.0	2.2	3.1	2.3	3.3	2.3	3.5	2.3
	86	30.0	2.5	2.0	2.5	2.1	2.7	2.1	2.8	2.2	2.9	2.2	3.1	2.2	3.2	2.2
	104	40.0	2.2	1.9	2.3	2.0	2.5	2.0	2.5	2.0	2.6	2.1	2.8	2.1	2.9	2.1
	113	45.0	2.1	1.9	2.1	1.9	2.3	1.9	2.4	2.0	2.4	2.1	2.6	2.0	2.7	2.0
32 (3.6)	50	10.0	3.6	2.6	3.7	2.6	3.9	2.6	4.1	2.6	4.2	2.7	4.5	2.7	4.7	2.7
	68	20.0	3.4	2.5	3.5	2.5	3.7	2.5	3.9	2.6	4.0	2.6	4.2	2.6	4.5	2.6
	86	30.0	3.2	2.3	3.3	2.4	3.5	2.4	3.6	2.4	3.7	2.5	3.9	2.5	4.2	2.5
	104	40.0	2.9	2.2	3.0	2.3	3.2	2.3	3.3	2.3	3.4	2.4	3.6	2.4	3.8	2.3
	113	45.0	2.7	2.1	2.8	2.2	3.0	2.2	3.0	2.2	3.1	2.3	3.3	2.3	3.5	2.2
40 (4.5)	50	10.0	4.5	3.2	4.6	3.3	4.9	3.3	5.1	3.3	5.2	3.4	5.6	3.4	5.9	3.3
	68	20.0	4.2	3.1	4.4	3.2	4.7	3.2	4.8	3.2	5.0	3.3	5.3	3.3	5.6	3.2
	86	30.0	3.9	2.9	4.1	3.0	4.4	3.0	4.5	3.1	4.6	3.2	4.9	3.1	5.2	3.1
	104	40.0	3.6	2.8	3.7	2.9	3.9	2.8	4.1	2.9	4.2	3.0	4.5	3.0	4.7	2.9
	113	45.0	3.3	2.7	3.5	2.7	3.7	2.7	3.8	2.8	3.9	2.9	4.2	2.9	4.4	2.8
50 (5.6)	50	10.0	5.5	4.0	5.7	4.2	6.1	4.1	6.3	4.2	6.5	4.4	6.9	4.3	7.3	4.2
	68	20.0	5.3	3.9	5.4	4.0	5.8	4.0	6.0	4.1	6.2	4.2	6.6	4.2	6.9	4.1
	86	30.0	4.9	3.7	5.1	3.8	5.4	3.8	5.6	3.9	5.8	4.0	6.1	4.0	6.5	3.9
	104	40.0	4.4	3.5	4.6	3.6	4.9	3.6	5.1	3.7	5.2	3.8	5.5	3.8	5.9	3.7
	113	45.0	4.2	3.4	4.3	3.5	4.6	3.5	4.7	3.5	4.9	3.7	5.2	3.6	5.5	3.6
63 (7.1)	50	10.0	7.0	5.0	7.3	5.2	7.8	5.1	8.0	5.2	8.3	5.4	8.8	5.3	9.3	5.2
	68	20.0	6.7	4.8	6.9	5.0	7.4	4.9	7.6	5.0	7.8	5.2	8.3	5.1	8.8	5.0
	86	30.0	6.2	4.6	6.4	4.7	6.9	4.7	7.1	4.8	7.3	5.0	7.8	4.9	8.2	4.8
	104	40.0	5.6	4.3	5.8	4.5	6.2	4.4	6.4	4.5	6.6	4.7	7.0	4.6	7.4	4.5
	113	45.0	5.3	4.1	5.4	4.3	5.8	4.3	6.0	4.3	6.2	4.5	6.6	4.4	6.9	4.4

kcal/h = kW x 860, Btu/h = kW x 3,412

2. CAPACITY TABLES

R410A Data G2

2-4b. Heating capacity in combination with PQHY,PQRY-P200,250YGM, PQHY,PQRY-P400,500YSGM

PFFY-P-VLEM-E,VLRM-E

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Water temp.		Indoor air temp. : °CDB				
			59 °FDB 15.0°CDB	66 °FDB 19.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°F	°C	SHC	SHC	SHC	SHC	SHC
20 (2.2)	50	10	2.0	2.0	2.0	1.7	1.5
	68	20	2.5	2.5	2.5	2.1	1.9
	86	30	2.5	2.5	2.5	2.1	1.9
	104	40	2.5	2.5	2.5	2.1	1.9
	113	45	2.5	2.5	2.5	2.1	1.9
25 (2.8)	50	10	2.5	2.5	2.5	2.1	2.0
	68	20	3.2	3.2	3.2	2.7	2.5
	86	30	3.2	3.2	3.2	2.7	2.5
	104	40	3.2	3.2	3.2	2.7	2.5
	113	45	3.2	3.2	3.2	2.7	2.5
32 (3.6)	50	10	3.2	3.2	3.2	2.7	2.4
	68	20	4.0	4.0	4.0	3.4	3.1
	86	30	4.0	4.0	4.0	3.4	3.1
	104	40	4.0	4.0	4.0	3.4	3.1
	113	45	4.0	4.0	4.0	3.4	3.1
40 (4.5)	50	10	4.0	4.0	4.0	3.4	3.1
	68	20	5.0	5.0	5.0	4.2	3.9
	86	30	5.0	5.0	5.0	4.2	3.9
	104	40	5.0	5.0	5.0	4.2	3.9
	113	45	5.0	5.0	5.0	4.2	3.9
50 (5.6)	50	10	5.0	5.0	5.0	4.2	3.9
	68	20	6.3	6.3	6.3	5.3	4.9
	86	30	6.3	6.3	6.3	5.3	4.9
	104	40	6.3	6.3	6.3	5.3	4.9
	113	45	6.3	6.3	6.3	5.3	4.9
63 (7.1)	50	10	6.3	6.3	6.3	5.4	4.9
	68	20	8.0	8.0	8.0	6.8	6.2
	86	30	8.0	8.0	8.0	6.8	6.2
	104	40	8.0	8.0	8.0	6.8	6.2
	113	45	8.0	8.0	8.0	6.8	6.2

kcal/h = kW x 860, Btu/h = kW x 3,412

2. CAPACITY TABLES

2-5a. Cooling capacity in combination with PUMY-P100,125,140YHM

PFFY-P-VLEM-E,VLRM-E

CA : Capacity(kW) SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.													
			71°FDB / 59°FWB		73°FDB / 61°FWB		77°FDB / 64°FWB		81°FDB / 66°FWB		82°FDB / 68°FWB		86°FDB / 72°FWB		90°FDB / 75°FWB	
	°FDB	°CDB	21.5°CDB / 15°CWB		23°CDB / 16°CWB		25°CDB / 18°CWB		27°CDB / 19°CWB		28°CDB / 20°CWB		30°CDB / 22°CWB		32°CDB / 24°CWB	
			CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	68	20.0	2.1	1.9	2.2	1.9	2.3	1.9	2.4	2.1	2.4	2.1	2.6	2.1	2.7	2.1
	73	22.5	2.1	1.8	2.1	1.9	2.3	1.9	2.3	2.0	2.4	2.0	2.5	2.0	2.7	2.1
	77	25.0	2.0	1.8	2.1	1.9	2.2	1.9	2.3	2.0	2.4	2.0	2.5	2.0	2.6	2.0
	82	27.5	2.0	1.8	2.1	1.8	2.2	1.9	2.3	2.0	2.3	2.0	2.5	2.0	2.6	2.0
	86	30.0	2.0	1.8	2.0	1.8	2.2	1.9	2.2	2.0	2.3	2.0	2.4	2.0	2.6	2.0
	91	32.5	1.9	1.7	2.0	1.8	2.1	1.8	2.2	1.9	2.3	1.9	2.4	2.0	2.6	2.0
	95	35.0	1.9	1.7	2.0	1.8	2.1	1.8	2.2	1.9	2.2	1.9	2.4	1.9	2.5	2.0
	100	37.5	1.9	1.7	1.9	1.7	2.1	1.8	2.1	1.9	2.2	1.9	2.4	1.9	2.5	1.9
	104	40.0	1.8	1.6	1.9	1.7	2.0	1.7	2.1	1.8	2.2	1.9	2.3	1.9	2.5	1.9
110	43.0	1.8	1.6	1.8	1.6	2.0	1.7	2.1	1.8	2.1	1.8	2.3	1.9	2.4	1.9	
25 (2.8)	68	20.0	2.7	2.1	2.7	2.2	2.9	2.2	3.0	2.3	3.1	2.3	3.2	2.3	3.4	2.3
	73	22.5	2.6	2.1	2.7	2.1	2.9	2.2	3.0	2.3	3.0	2.3	3.2	2.3	3.4	2.3
	77	25.0	2.6	2.0	2.7	2.1	2.8	2.1	2.9	2.2	3.0	2.3	3.2	2.3	3.3	2.2
	82	27.5	2.6	2.0	2.6	2.1	2.8	2.1	2.9	2.2	3.0	2.2	3.1	2.2	3.3	2.2
	86	30.0	2.5	2.0	2.6	2.1	2.8	2.1	2.9	2.2	2.9	2.2	3.1	2.2	3.3	2.2
	91	32.5	2.5	1.9	2.6	2.0	2.7	2.0	2.8	2.2	2.9	2.2	3.1	2.2	3.2	2.2
	95	35.0	2.4	1.9	2.5	2.0	2.7	2.0	2.8	2.1	2.9	2.1	3.0	2.2	3.2	2.1
	100	37.5	2.4	1.9	2.5	1.9	2.6	2.0	2.7	2.1	2.8	2.1	3.0	2.1	3.2	2.1
	104	40.0	2.3	1.8	2.4	1.9	2.6	1.9	2.7	2.1	2.8	2.1	3.0	2.1	3.2	2.1
110	43.0	2.3	1.8	2.4	1.9	2.5	1.9	2.6	2.0	2.7	2.0	2.9	2.1	3.1	2.1	
32 (3.6)	68	20.0	3.4	2.4	3.5	2.5	3.7	2.5	3.9	2.6	4.0	2.6	4.2	2.6	4.4	2.5
	73	22.5	3.4	2.4	3.5	2.4	3.7	2.4	3.8	2.6	3.9	2.6	4.1	2.6	4.3	2.5
	77	25.0	3.3	2.3	3.4	2.4	3.7	2.4	3.8	2.6	3.9	2.5	4.1	2.5	4.3	2.5
	82	27.5	3.3	2.3	3.4	2.4	3.6	2.4	3.7	2.5	3.8	2.5	4.0	2.5	4.3	2.5
	86	30.0	3.2	2.3	3.3	2.3	3.6	2.3	3.7	2.5	3.8	2.5	4.0	2.5	4.2	2.4
	91	32.5	3.2	2.2	3.3	2.3	3.5	2.3	3.6	2.5	3.7	2.5	4.0	2.4	4.2	2.4
	95	35.0	3.1	2.2	3.2	2.2	3.5	2.3	3.6	2.4	3.7	2.4	3.9	2.4	4.1	2.4
	100	37.5	3.0	2.1	3.2	2.2	3.4	2.2	3.5	2.4	3.6	2.4	3.9	2.4	4.1	2.4
	104	40.0	3.0	2.1	3.1	2.2	3.3	2.2	3.5	2.3	3.6	2.4	3.8	2.4	4.1	2.3
110	43.0	2.9	2.0	3.0	2.1	3.3	2.1	3.4	2.3	3.5	2.3	3.7	2.3	4.0	2.3	
40 (4.5)	68	20.0	4.3	3.0	4.4	3.1	4.7	3.1	4.8	3.3	5.0	3.3	5.2	3.2	5.5	3.2
	73	22.5	4.2	3.0	4.4	3.1	4.6	3.1	4.8	3.2	4.9	3.2	5.2	3.2	5.4	3.2
	77	25.0	4.2	2.9	4.3	3.0	4.6	3.0	4.7	3.2	4.8	3.2	5.1	3.2	5.4	3.1
	82	27.5	4.1	2.9	4.2	3.0	4.5	3.0	4.6	3.2	4.8	3.2	5.1	3.1	5.3	3.1
	86	30.0	4.1	2.8	4.2	2.9	4.5	2.9	4.6	3.1	4.7	3.1	5.0	3.1	5.3	3.1
	91	32.5	4.0	2.8	4.1	2.9	4.4	2.9	4.5	3.1	4.7	3.1	4.9	3.1	5.2	3.0
	95	35.0	3.9	2.7	4.0	2.8	4.3	2.9	4.5	3.0	4.6	3.0	4.9	3.0	5.2	3.0
	100	37.5	3.8	2.7	3.9	2.8	4.2	2.8	4.4	3.0	4.5	3.0	4.8	3.0	5.1	3.0
	104	40.0	3.7	2.6	3.9	2.7	4.2	2.8	4.3	2.9	4.5	3.0	4.8	3.0	5.1	3.0
110	43.0	3.6	2.5	3.8	2.7	4.1	2.7	4.2	2.9	4.4	2.9	4.7	2.9	5.0	2.9	
50 (5.6)	68	20.0	5.3	3.8	5.5	3.9	5.8	3.9	6.0	4.2	6.2	4.2	6.5	4.1	6.8	4.1
	73	22.5	5.3	3.7	5.4	3.9	5.8	3.9	5.9	4.1	6.1	4.1	6.4	4.1	6.8	4.0
	77	25.0	5.2	3.7	5.3	3.8	5.7	3.8	5.9	4.1	6.0	4.1	6.4	4.0	6.7	4.0
	82	27.5	5.1	3.6	5.3	3.8	5.6	3.8	5.8	4.0	6.0	4.0	6.3	4.0	6.6	3.9
	86	30.0	5.0	3.6	5.2	3.7	5.5	3.7	5.7	4.0	5.9	4.0	6.2	3.9	6.6	3.9
	91	32.5	4.9	3.5	5.1	3.6	5.5	3.7	5.6	3.9	5.8	3.9	6.1	3.9	6.5	3.9
	95	35.0	4.8	3.5	5.0	3.6	5.4	3.6	5.5	3.8	5.7	3.9	6.1	3.9	6.4	3.8
	100	37.5	4.7	3.4	4.9	3.5	5.3	3.6	5.5	3.8	5.6	3.8	6.0	3.8	6.4	3.8
	104	40.0	4.6	3.3	4.8	3.4	5.2	3.5	5.4	3.7	5.6	3.7	5.9	3.8	6.3	3.7
110	43.0	4.5	3.2	4.7	3.4	5.1	3.4	5.3	3.7	5.5	3.7	5.8	3.7	6.2	3.7	
63 (7.1)	68	20.0	6.7	4.7	7.0	4.8	7.4	4.8	7.6	5.1	7.8	5.1	8.2	5.1	8.7	5.0
	73	22.5	6.7	4.6	6.9	4.8	7.3	4.8	7.5	5.1	7.7	5.0	8.1	5.0	8.6	4.9
	77	25.0	6.6	4.6	6.8	4.7	7.2	4.7	7.4	5.0	7.6	5.0	8.1	4.9	8.5	4.9
	82	27.5	6.5	4.5	6.7	4.6	7.1	4.7	7.3	4.9	7.5	4.9	8.0	4.9	8.4	4.8
	86	30.0	6.4	4.4	6.6	4.6	7.0	4.6	7.2	4.9	7.5	4.9	7.9	4.8	8.3	4.8
	91	32.5	6.3	4.3	6.5	4.5	6.9	4.5	7.1	4.8	7.4	4.8	7.8	4.8	8.2	4.7
	95	35.0	6.1	4.3	6.4	4.4	6.8	4.4	7.0	4.7	7.3	4.7	7.7	4.7	8.2	4.7
	100	37.5	6.0	4.2	6.2	4.3	6.7	4.4	6.9	4.7	7.2	4.7	7.6	4.7	8.1	4.6
	104	40.0	5.9	4.1	6.1	4.2	6.6	4.3	6.8	4.6	7.1	4.6	7.5	4.6	8.0	4.6
110	43.0	5.7	4.0	6.0	4.1	6.4	4.2	6.7	4.5	6.9	4.5	7.4	4.5	7.9	4.5	

kcal/h = kW x 860, Btu/h = kW x 3,412

2. CAPACITY TABLES

R410A Data G2

2-5b. Heating capacity in combination with PUMY-P100,125,140YHM

PFFY-P-VLEM-E, VLRM-E SHC : Sensible Heat Capacity(kW)

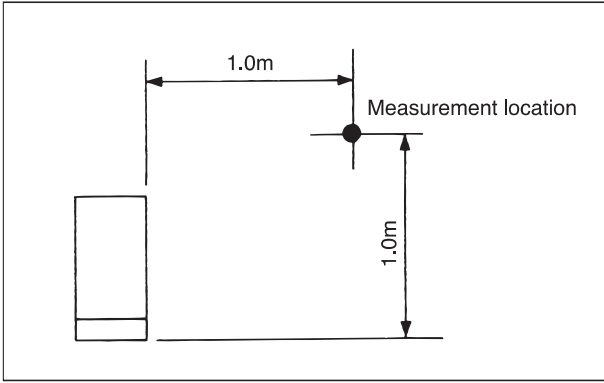
Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB 15.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
20 (2.2)	-4	-20.0	1.6	1.6	1.5	1.5
	5	-15.0	1.8	1.7	1.6	1.6
	14	-10.0	1.9	1.8	1.8	1.8
	23	-5.0	2.1	2.1	2.0	2.0
	32	0.0	2.4	2.3	2.2	2.2
	37	2.5	2.5	2.4	2.3	2.3
	43	6.0	2.6	2.5	2.5	2.4
	46	7.5	2.7	2.7	2.5	2.4
	50	10.0	2.8	2.8	2.5	2.4
	55	12.5	3.0	2.9	2.5	2.4
60	15.5	3.0	2.9	2.5	2.4	
25 (2.8)	-4	-20.0	2.1	2.0	1.9	1.9
	5	-15.0	2.2	2.1	2.1	2.0
	14	-10.0	2.4	2.3	2.3	2.2
	23	-5.0	2.7	2.7	2.5	2.5
	32	0.0	3.0	2.9	2.8	2.8
	37	2.5	3.2	3.1	3.0	2.9
	43	6.0	3.3	3.2	3.2	3.1
	46	7.5	3.5	3.4	3.2	3.1
	50	10.0	3.6	3.5	3.2	3.1
	55	12.5	3.8	3.7	3.2	3.1
60	15.5	3.9	3.7	3.2	3.1	
32 (3.6)	-4	-20.0	2.6	2.5	2.4	2.4
	5	-15.0	2.8	2.7	2.6	2.6
	14	-10.0	3.0	2.9	2.8	2.8
	23	-5.0	3.4	3.3	3.2	3.1
	32	0.0	3.8	3.7	3.5	3.5
	37	2.5	4.0	3.8	3.7	3.7
	43	6.0	4.1	4.0	4.0	3.9
	46	7.5	4.3	4.2	4.0	3.9
	50	10.0	4.5	4.4	4.0	3.9
	55	12.5	4.7	4.6	4.0	3.9
60	15.5	4.8	4.6	4.0	3.9	
40 (4.5)	-4	-20.0	3.3	3.2	3.0	3.0
	5	-15.0	3.5	3.4	3.3	3.2
	14	-10.0	3.8	3.7	3.6	3.5
	23	-5.0	4.3	4.2	4.0	3.9
	32	0.0	4.7	4.6	4.4	4.4
	37	2.5	5.0	4.8	4.7	4.6
	43	6.0	5.1	5.0	5.0	4.9
	46	7.5	5.4	5.3	5.0	4.9
	50	10.0	5.7	5.5	5.0	4.9
	55	12.5	5.9	5.8	5.0	4.9
60	15.5	6.1	5.8	5.0	4.9	
50 (5.6)	-4	-20.0	4.1	4.0	3.8	3.7
	5	-15.0	4.4	4.2	4.1	4.0
	14	-10.0	4.7	4.6	4.5	4.4
	23	-5.0	5.4	5.2	5.0	4.9
	32	0.0	5.9	5.8	5.5	5.5
	37	2.5	6.2	6.0	5.9	5.8
	43	6.0	6.4	6.3	6.2	6.1
	46	7.5	6.8	6.7	6.2	6.1
	50	10.0	7.1	6.9	6.2	6.1
	55	12.5	7.4	7.2	6.2	6.1
60	15.5	7.6	7.2	6.2	6.1	
63 (7.1)	-4	-20.0	5.2	5.0	4.8	4.7
	5	-15.0	5.6	5.4	5.2	5.1
	14	-10.0	6.0	5.8	5.7	5.6
	23	-5.0	6.8	6.6	6.3	6.2
	32	0.0	7.5	7.4	7.0	7.0
	37	2.5	7.9	7.7	7.4	7.4
	43	6.0	8.2	8.0	7.9	7.8
	46	7.5	8.6	8.5	7.9	7.8
	50	10.0	9.0	8.8	7.9	7.8
	55	12.5	9.4	9.2	7.9	7.8
60	15.5	9.7	9.2	7.9	7.8	

kcal/h = kW x 860, Btu/h = kW x 3,412

3. SOUND LEVELS

3-1. Sound levels

PFFY-P-VLEM-E, VLRM-E

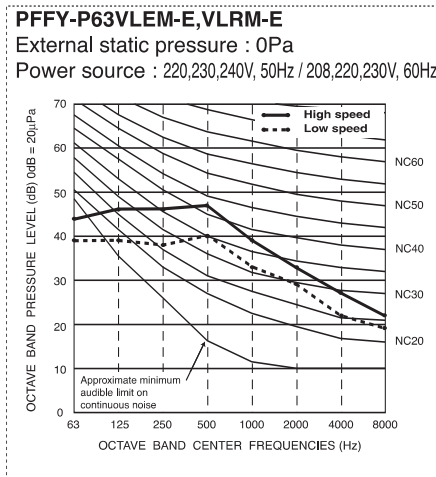
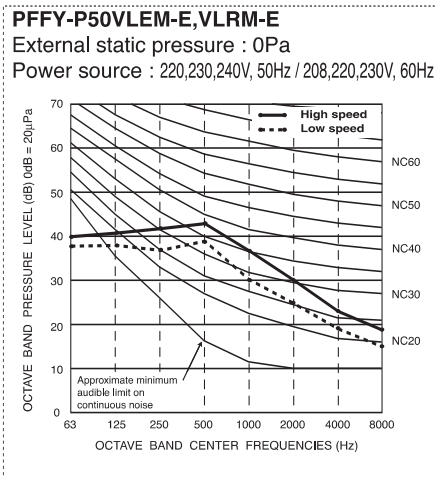
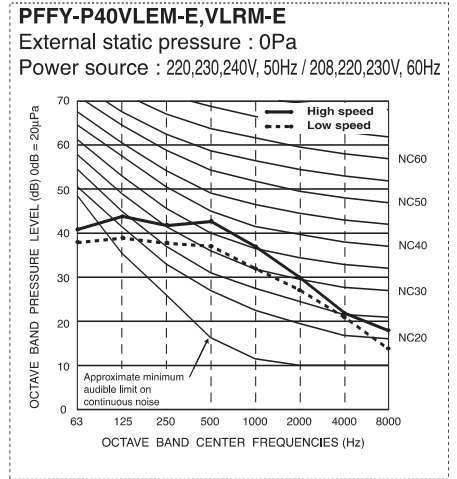
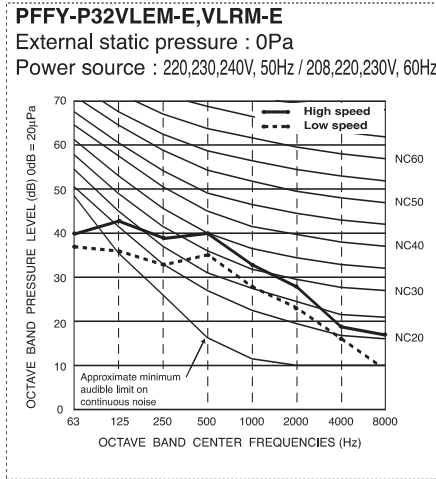
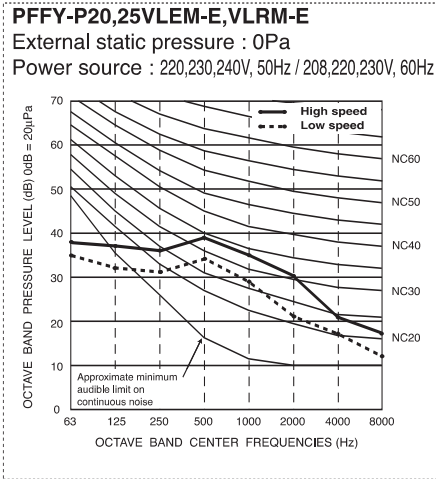


* Measured in anechoic room.

Sound level at anechoic room : Low-High

	Sound level dB (A)
PFFY-P20VLEM-E	34-40
PFFY-P20VLRM-E	
PFFY-P25VLEM-E	
PFFY-P25VLRM-E	35-40
PFFY-P32VLEM-E	
PFFY-P32VLRM-E	
PFFY-P40VLEM-E	38-43
PFFY-P40VLRM-E	
PFFY-P50VLEM-E	
PFFY-P50VLRM-E	40-46
PFFY-P63VLEM-E	
PFFY-P63VLRM-E	

3-2. NC curves

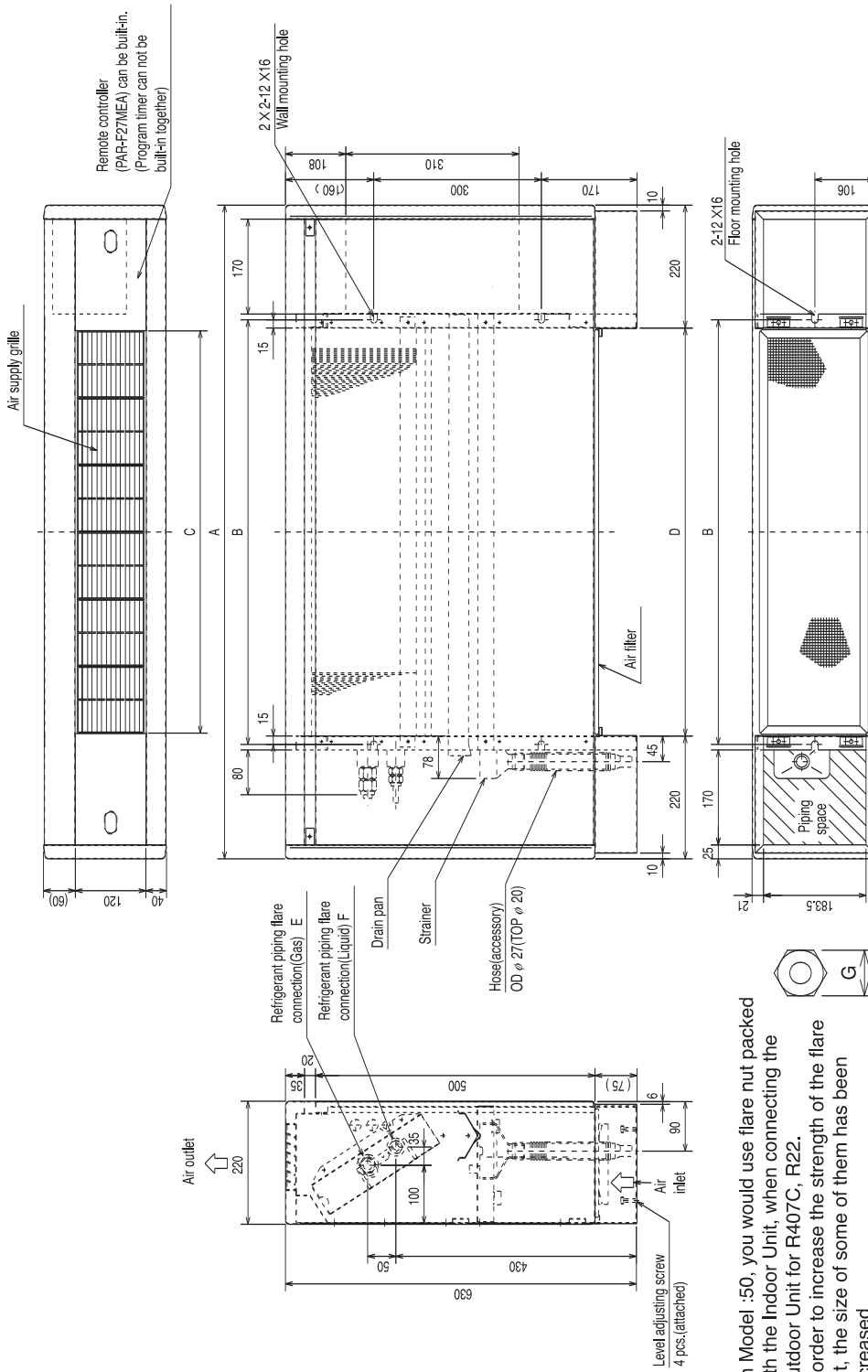


4. EXTERNAL DIMENSIONS

R410A Data G2

PFFY-P20,25,32,40,50,63VLEM-E

Drw. : IU-W65-3950
Unit : mm



Note: 1. On Model :50, you would use flare nut packed with the Indoor Unit, when connecting the Outdoor Unit for R407C, R22.
2. In order to increase the strength of the flare nut, the size of some of them has been increased.

Dimensions

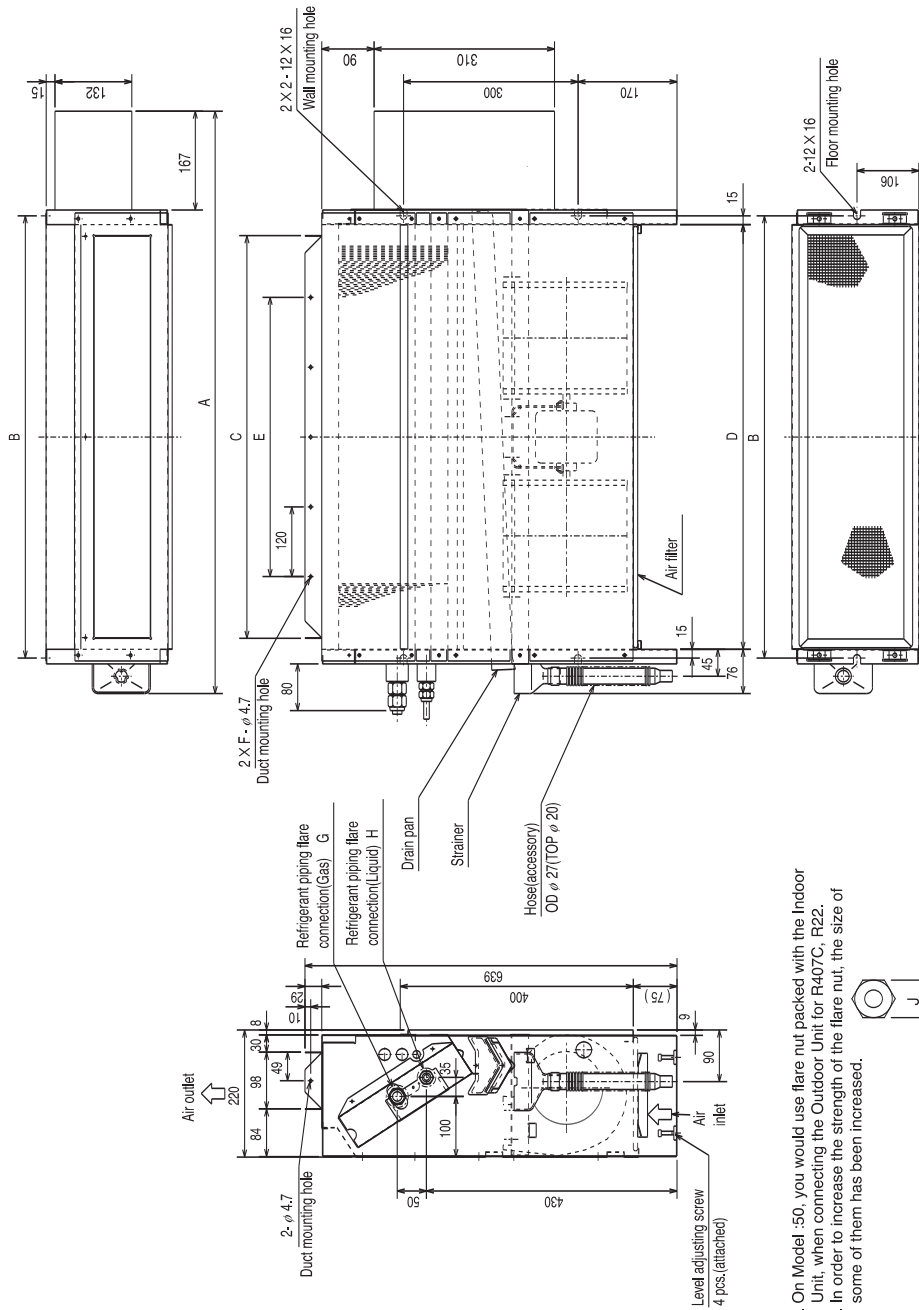
Model	A	B	C	D	E(Gas)	F(Liquid)	G(Liquid)	G(Gas)
PFFY-P20VLEM-E	1050	640	600	610	ϕ 12.7	ϕ 6.35	17	27
PFFY-P25VLEM-E	1050	640	600	610	ϕ 12.7	ϕ 6.35	17	27
PFFY-P32VLEM-E	1170	760	720	730	ϕ 12.7	ϕ 6.35	17	27
PFFY-P40VLEM-E	1170	760	720	730	ϕ 12.7	ϕ 6.35	17	27
PFFY-P50VLEM-E	1410	1000	960	970	*1 ϕ 12.7	*1 ϕ 6.35	*1 22	*1 29
PFFY-P63VLEM-E	1410	1000	960	970	*2 ϕ 15.88	*2 ϕ 9.52	*2 22	*2 29
					ϕ 15.88	ϕ 9.52	22	29

*1:R410A outdoor unit
*2:R407C,R22 outdoor unit

4. EXTERNAL DIMENSIONS

PFFY-P20,25,32,40,50,63VLRM-E

Drw. : IU-W65-3951
Unit : mm



Note: 1. On Model :50, you would use flare nut packed with the Indoor Unit, when connecting the Outdoor Unit for R407C, R22.
2. In order to increase the strength of the flare nut, the size of some of them has been increased.



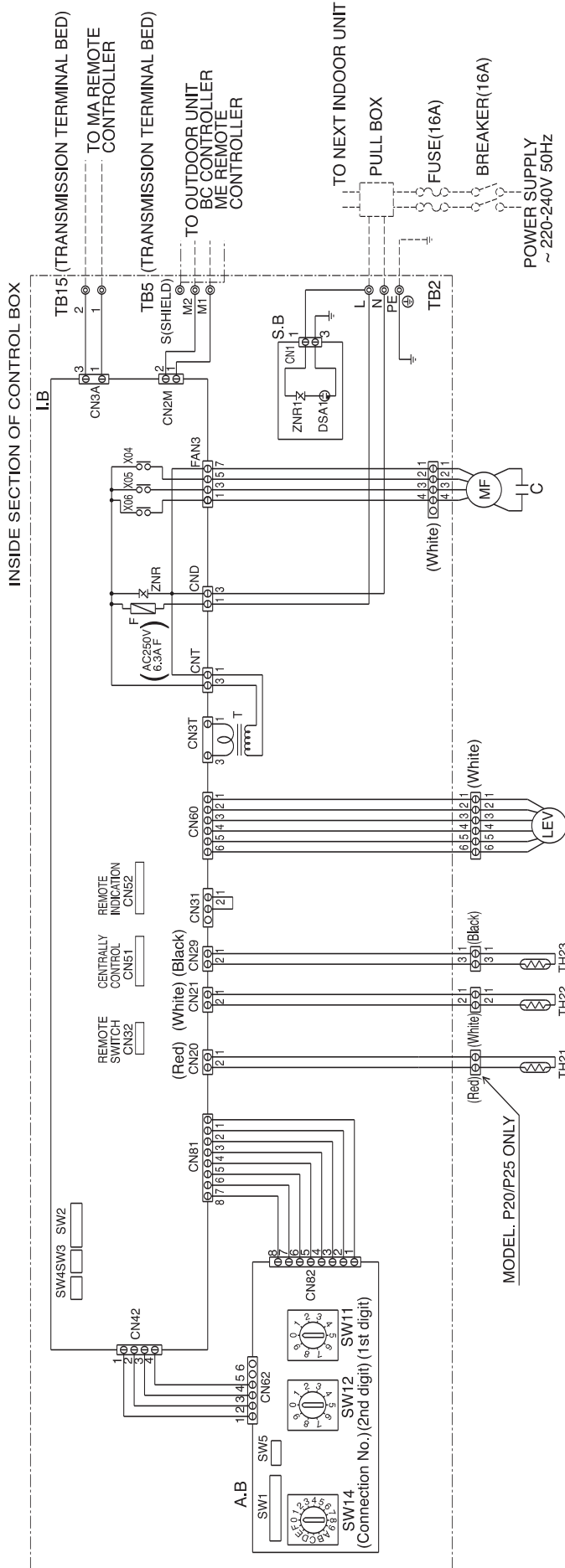
Dimensions

Model	A	B	C	D	E	F	G (Gas)	H (Liquid)	J (Liquid)	J (Gas)
PFFY-P20VLRM-E	886	640	572	610	360	4	φ12.7	φ6.35	17	27
PFFY-P25VLRM-E	886	640	572	610	360	4	φ12.7	φ6.35	17	27
PFFY-P32VLRM-E	1006	760	692	730	480	5	φ12.7	φ6.35	17	27
PFFY-P40VLRM-E	1006	760	692	730	480	5	φ12.7	φ6.35	17	27
PFFY-P50VLRM-E	1246	1000	932	970	720	7	φ12.7	φ6.35	*:1	*:1
PFFY-P63VLRM-E	1246	1000	932	970	720	7	φ15.88	φ9.52	*:2	*:2
							φ15.88	φ9.52	φ9.52	29

*:1:R410A outdoor unit
*:2:R407C, R22 outdoor unit

PFFY-P20,25,32,40,50,63VLEM-E, VLRM-E

Drw. : IU-W65-3960

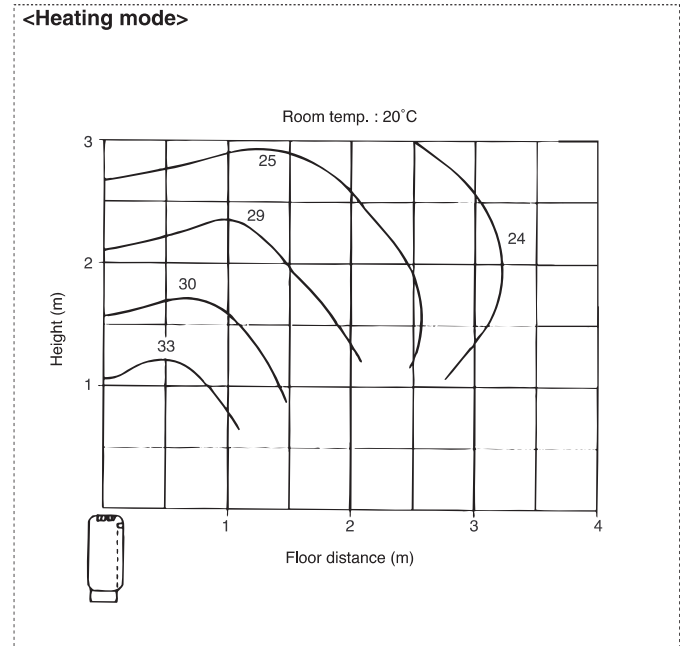
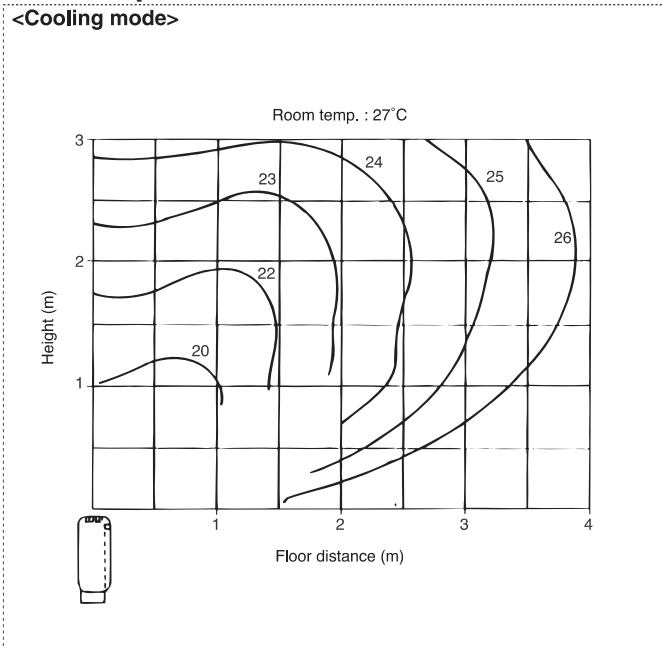


*Capacitor
MODELS 20/25/32/40 1.5F
50 2.0F
63 2.5F

SYMBOL EXPLANATION

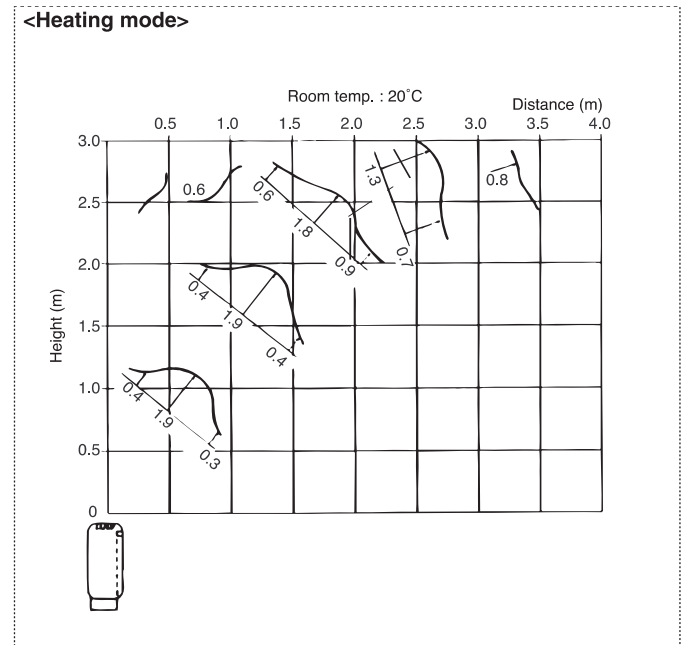
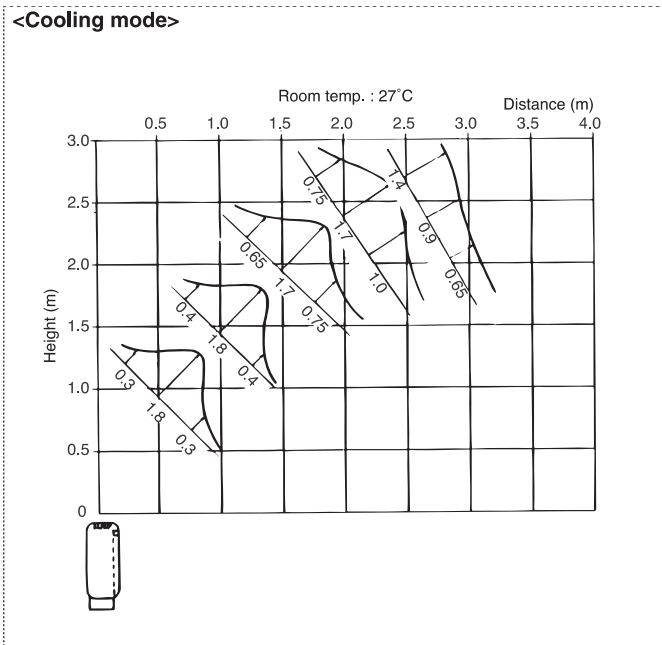
SYMBOL	NAME	SYMBOL	NAME
MF	Fan motor	TH22	Thermistor (piping temp.detection/liquid)
C	*Capacitor (for MF)	TH23	Thermistor (piping temp.detection/gas)
I. B	Indoor controller board	SW11 (A. B)	Switch (1st digit address set)
A. B	Address board	SW12 (A. B)	Switch (2nd digit address set)
T B2	Power source terminal bed	SW14 (A. B)	Switch (connection No.set)
T B5	Transmission terminal bed	SW1 (A. B)	Switch(for mode selection)
T B15	Transmission terminal bed	SW2 (I. B)	Switch(for capacity code)
F	Fuse AC250V 6.3A F	SW3 (I. B)	Switch(for mode selection)
T	Transformer	SW4 (I. B)	Switch(for model selection)
LEV	Electronic linear expans. valve	SW5 (A. B)	Switch(for voltage selection)
S. B	Surge absorber board	X04~06	Aux.relay
TH21	Thermistor (inlet temp.detection)		

6-1. Temperature distributions



Note : These figures show typical temperature distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

6-2. Airflow distributions



Note : These figures show typical airflow distributions in the conditions above. In the actual installation, they may differ from these figures under the influence of air temperature conditions, ceiling height, cooling/heating load, obstacles, etc.

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J**
- V_a
- V_b
- BC