



PEFY-P-VML-E



PEFY-P-VMH-E

**PEFY-P-VML-E**  
**PEFY-P-VMH-E**

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Ceiling concealed	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
PEFY-P-VML-E	●	●	●										
PEFY-P-VMH-E				●	●	●	●	●	●	●	●	●	●

# 1. SPECIFICATIONS

R410A Data G2

Model		PEFY-P20VML-E	PEFY-P25VML-E	PEFY-P32VML-E		
Power source		1-phase 220-240V 50Hz/60Hz				
Cooling capacity (Nominal)	*1	kW	2.2	2.8	3.6	
	*1	kcal / h	1,900	2,400	3,100	
	*1	Btu / h	7,500	9,600	12,300	
	*2	kcal / h	2,000	2,500	3,150	
		Power input	kW	0.05 / 0.06	0.05 / 0.06	0.07 / 0.09
		Current input	A	0.24 / 0.28	0.24 / 0.28	0.32 / 0.42
Heating capacity (Nominal )	*3	kW	2.5	3.2	4.0	
	*3	kcal / h	2,200	2,800	3,400	
	*3	Btu / h	8,500	10,900	13,600	
		Power input	kW	0.05 / 0.06	0.05 / 0.06	0.07 / 0.09
			Current input	A	0.24 / 0.28	0.24 / 0.28
External finish		Galvanized				
External dimension H x W x D		mm	225 x 720 x 550	225 x 720 x 550	225 x 720 x 550	
		in.	8-7/8" x 28-3/8" x 21-11/16"	8-7/8" x 28-3/8" x 21-11/16"	8-7/8" x 28-3/8" x 21-11/16"	
Net weight		kg (lb)	18 (40)	18 (40)	18 (40)	
Heat exchanger		Cross fin (Aluminum fin and copper tube)				
FAN	Type x Quantity		Sirocco fan x 1			
	External static press.	Pa	5 (220V)	5 (220V)	5 (220V)	
		mmHzO	0.5	0.5	0.5	
		Pa	5 (230, 240V)	5 (230, 240V)	5 (230, 240V)	
		mmHzO	0.5	0.5	0.5	
	Motor type		1-phase induction motor			
	Motor output		kW	0.023	0.023	0.032
	Driving mechanism		Direct-driven by motor			
	Airflow rate (Low-Mid-High)	m <sup>3</sup> / min	4.8 - 5.8 - 7.9	4.8 - 5.8 - 7.9	4.8 - 5.8 - 9.5	
		L / s	80 - 97 - 132	80 - 97 - 132	80 - 97 - 158	
cfm		170 - 205 - 279	170 - 205 - 279	170 - 205 - 335		
Noise level (Low-Mid-High) (measured in anechoic room)	dB <A>	25 - 29 - 36 (220V)	25 - 29 - 36 (220V)	25 - 29 - 40 (220V)		
	dB <A>	25 - 29 - 36 (230, 240V)	25 - 29 - 36 (230, 240V)	25 - 29 - 40 (230, 240V)		
Insulation material		Polystyrene foam, 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") Brazed	ø6.35 (ø1/4") Brazed	ø6.35 (ø1/4") Brazed	
		mm (in.)	ø6.35 (ø1/4") Brazed	ø6.35 (ø1/4") Brazed	ø6.35 (ø1/4") Brazed	
	Gas (R410A) (R22, R407C)	mm (in.)	ø12.7 (ø1/2") Brazed	ø12.7 (ø1/2") Brazed	ø12.7 (ø1/2") Brazed	
		mm (in.)	ø12.7 (ø1/2") Brazed	ø12.7 (ø1/2") Brazed	ø12.7 (ø1/2") Brazed	
Diameter of drain pipe		mm (in.)	R1 (External thread)	R1 (External thread)	R1 (External thread)	
Drawing	External		IU-W65-3973	IU-W65-3973	IU-W65-3973	
	Wiring		IU-W65-3955	IU-W65-3955	IU-W65-3955	
	Refrigerant cycle		-	-	-	
Standard attachment	Document		Installation Manual, Instruction Book			
	Accessory		Drain hose VP-25 (flexible joint)			
Remark	Optional parts					
	Long life filter		PAC-KE32LAF-F	PAC-KE32LAF-F	PAC-KE32LAF-F	
	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<sup>3</sup>/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\_PEFY-P-VML-E

# 1. SPECIFICATIONS

R410A Data G2

Model			PEFY-P40VMH-E	PEFY-P50VMH-E	PEFY-P63VMH-E	PEFY-P71VMH-E	
Power source			1-phase 220-240V 50Hz/60Hz				
Cooling capacity (Nominal)	*1	kW	4.5	5.6	7.1	8.0	
		kcal / h	3,900	4,800	6,100	6,900	
		Btu / h	15,400	19,100	24,200	27,300	
	*2	kcal / h	4,000	5,000	6,300	7,100	
		Power input	kW	0.19 / 0.23	0.19 / 0.23	0.24 / 0.30	0.26 / 0.33
Current input		A	0.88 / 1.06	0.88 / 1.06	1.12 / 1.38	1.20 / 1.51	
Heating capacity (Nominal)	*3	kW	5.0	6.3	8.0	9.0	
		kcal / h	4,300	5,400	6,900	7,700	
		Btu / h	17,100	21,500	27,300	30,700	
	Power input	kW	0.19 / 0.23	0.19 / 0.23	0.24 / 0.30	0.26 / 0.33	
		Current input	A	0.88 / 1.06	0.88 / 1.06	1.12 / 1.38	1.20 / 1.51
External finish			Galvanized				
External dimension H x W x D		mm	380 x 750 x 900	380 x 750 x 900	380 x 750 x 900	380 x 1,000 x 900	
		in.	15" x 29-9/16" x 35-7/16"	15" x 29-9/16" x 35-7/16"	15" x 29-9/16" x 35-7/16"	15" x 39-3/8" x 35-7/16"	
Net weight		kg (lb)	44 (98)	45 (100)	45 (100)	50 (111)	
Heat exchanger			Cross fin (Aluminum fin and copper tube)				
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	Sirocco fan x 1	
	External static press.	Pa	50 - 100 - 200 (220V)	50 - 100 - 200 (220V)	50 - 100 - 200 (220V)	50 - 100 - 200 (220V)	
		mmH <sub>2</sub> O	5.1 - 10.2 - 20.4	5.1 - 10.2 - 20.4	5.1 - 10.2 - 20.4	5.1 - 10.2 - 20.4	
		Pa	100 - 150 - 200 (230, 240V)	100 - 150 - 200 (230, 240V)	100 - 150 - 200 (230, 240V)	100 - 150 - 200 (230, 240V)	
		mmH <sub>2</sub> O	10.2 - 15.3 - 20.4	10.2 - 15.3 - 20.4	10.2 - 15.3 - 20.4	10.2 - 15.3 - 20.4	
	Motor type		1-phase induction motor				
	Motor output		kW	0.080	0.080	0.120	0.140
	Driving mechanism		Direct-driven by motor				
	Airflow rate (Low-Mid-High)	m <sup>3</sup> / min	10.0 - 14.0	10.0 - 14.0	13.5 - 19.0	15.5 - 22.0	
		L / s	167 - 233	167 - 233	225 - 317	258 - 367	
cfm		353 - 494	353 - 494	477 - 671	547 - 777		
Noise level (Low-Mid-High) (measured in anechoic room)	dB <A>	27 - 34 (220V)	27 - 34 (220V)	32 - 38 (220V)	32 - 39 (220V)		
	dB <A>	31 - 37 (230, 240V)	31 - 37 (230, 240V)	36 - 41 (230, 240V)	35 - 41 (230, 240V)		
Insulation material			Polystyrene foam, Polyethylene foam, Urethane foam				
Air filter			Optional long life filter (Synthetic fiber unwoven cloth filter) and filter box are recommended.				
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	ø9.52 (ø3/8") Flare	ø9.52 (ø3/8") Flare	
			ø6.35 (ø1/4") Flare	ø9.52 (ø3/8") Flare	ø9.52 (ø3/8") Flare	ø9.52 (ø3/8") Flare	
Gas (R410A) (R22, R407C)	mm (in.)	ø12.7 (ø1/2") Flare	ø12.7 (ø1/2") Flare	ø15.88 (ø5/8") Flare	ø15.88 (ø5/8") Flare		
		ø12.7 (ø1/2") Flare	ø15.88 (ø5/8") Flare	ø15.88 (ø5/8") Flare	ø15.88 (ø5/8") Flare		
Diameter of drain pipe		mm (in.)	32 (1-1/4")	32 (1-1/4")	32 (1-1/4")	32 (1-1/4")	
Drawing	External		IU-W27-5924				
	Wiring		IU-W65-3956				
	Refrigerant cycle		-				
Standard attachment	Document		Installation Manual, Instruction Book				
	Accessory		Drain hose VP-25 (flexible joint)				
Remark	Optional parts						
	Long life filter		PAC-KE86LAF	PAC-KE86LAF	PAC-KE86LAF	PAC-KE88LAF	
	Filter box		PAC-KE63TB-F	PAC-KE63TB-F	PAC-KE63TB-F	PAC-KE80TB-F	
	Drain pump kit		PAC-KE04DM-F	PAC-KE04DM-F	PAC-KE04DM-F	PAC-KE04DM-F	
	Installation		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.				

<b>Note :</b>	*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 <sup>3</sup> /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\_PEFY-P-VMH-E\_1

# 1. SPECIFICATIONS

R410A Data G2

Model		PEFY-P80VMH-E	PEFY-P100VMH-E	PEFY-P125VMH-E	PEFY-P140VMH-E		
Power source		1-phase 220-240V 50Hz/60Hz					
Cooling capacity (Nominal)	*1 kW	9.0	11.2	14.0	16.0		
	*1 kcal / h	7,700	9,600	12,000	13,800		
	*1 Btu / h	30,700	38,200	47,800	54,600		
	*2 kcal / h	8,000	10,000	12,500	14,000		
	Power input	kW	0.32 / 0.40	0.48 / 0.58	0.48 / 0.58	0.48 / 0.59	
	Current input	A	1.47 / 1.83	2.34 / 2.66	2.34 / 2.66	2.35 / 2.70	
Heating capacity (Nominal )	*3 kW	10.0	12.5	16.0	18.0		
	*3 kcal / h	8,600	10,800	13,800	15,500		
	*3 Btu / h	34,100	42,700	54,600	61,400		
	Power input	kW	0.32 / 0.40	0.48 / 0.58	0.48 / 0.58	0.48 / 0.59	
	Current input	A	1.47 / 1.83	2.34 / 2.66	2.34 / 2.66	2.35 / 2.70	
External finish		Galvanized					
External dimension H x W x D		mm	380 x 1,000 x 900	380 x 1,200 x 900	380 x 1,200 x 900	380 x 1,200 x 900	
		in.	15" x 39-3/8" x 35-7/16"	15" x 47-1/4" x 35-7/16"	15" x 47-1/4" x 35-7/16"	15" x 47-1/4" x 35-7/16"	
Net weight		kg (lb)	50 (111)	70 (155)	70 (155)	70 (155)	
Heat exchanger		Cross fin (Aluminum fin and copper tube)					
FAN	Type x Quantity		Sirocco fan x 1	Sirocco fan x 2	Sirocco fan x 2	Sirocco fan x 2	
	External static press.	Pa	50 - 100 - 200 (220V)	50 - 100 - 200 (220V)	50 - 100 - 200 (220V)	50 - 100 - 200 (220V)	
		mmH <sub>2</sub> O	5.1 - 10.2 - 20.4	5.1 - 10.2 - 20.4	5.1 - 10.2 - 20.4	5.1 - 10.2 - 20.4	
		Pa	100 - 150 - 200 (230, 240V)	100 - 150 - 200 (230, 240V)	100 - 150 - 200 (230, 240V)	100 - 150 - 200 (230, 240V)	
		mmH <sub>2</sub> O	10.2 - 15.3 - 20.4	10.2 - 15.3 - 20.4	10.2 - 15.3 - 20.4	10.2 - 15.3 - 20.4	
	Motor type		1-phase induction motor				
	Motor output		kW	0.180	0.260	0.260	0.260
	Driving mechanism		Direct-driven by motor				
	Airflow rate (Low-Mid-High)	m <sup>3</sup> / min		18.0 - 25.0	26.5 - 38.0	26.5 - 38.0	28.0 - 40.0
		L / s		300 - 417	442 - 633	442 - 633	467 - 667
cfm		636 - 883	936 - 1,342	936 - 1,342	989 - 1,413		
Noise level (Low-Mid-High) (measured in anechoic room)		dB <A>	35 - 41 (220V)	34 - 42 (220V)	34 - 42 (220V)	34 - 42 (220V)	
		dB <A>	38 - 43 (230, 240V)	38 - 44 (230, 240V)	38 - 44 (230, 240V)	38 - 44 (230, 240V)	
Insulation material		Polystyrene foam, Polyethylene foam, Urethane foam					
Air filter		Option : Synthetic fiber unwoven cloth filter (long life)					
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.)	ø9.52 (ø3/8") Flare	ø9.52 (ø3/8") Flare	ø9.52 (ø3/8") Flare	ø9.52 (ø3/8") Flare	
			ø9.52 (ø3/8") Flare	ø9.52 (ø3/8") Flare	ø9.52 (ø3/8") Flare	ø9.52 (ø3/8") Flare	
	Gas (R410A) (R22, R407C)	mm (in.)	ø15.88 (ø5/8") Flare	ø15.88 (ø5/8") Flare	ø15.88 (ø5/8") Flare	ø15.88 (ø5/8") Flare	
			ø15.88 (ø5/8") Flare	ø19.05 (ø3/4") Flare	ø19.05 (ø3/4") Flare	ø19.05 (ø3/4") Flare	
Diameter of drain pipe		mm (in.)	32 (1-1/4")	32 (1-1/4")	32 (1-1/4")	32 (1-1/4")	
Drawing	External		IU-W27-5924				
	Wiring		IU-W65-3956				
	Refrigerant cycle		-				
Standard attachment	Document		Installation Manual, Instruction Book				
	Accessory		Drain hose VP-25 (flexible joint)				
Remark	Optional parts						
	Long life filter		PAC-KE88LAF	PAC-KE89LAF	PAC-KE89LAF	PAC-KE89LAF	
	Filter box		PAC-KE80TB-F	PAC-KE140TB-F	PAC-KE140TB-F	PAC-KE140TB-F	
	Drain pump kit		PAC-KE04DM-F	PAC-KE04DM-F	PAC-KE04DM-F	PAC-KE04DM-F	
	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<sup>3</sup>/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\_PEFY-P-VMH-E\_2

# 1. SPECIFICATIONS

R410A Data G2

Model			PEFY-P200VMH-E	PEFY-P250VMH-E			
Power source			3-phase, 4-wire, 380-415V 50/60Hz				
Cooling capacity (Nominal)	*1	kW	22.4	28.0			
		kcal / h	19,300	24,100			
		Btu / h	76,400	95,500			
	*2	kcal / h	20,000	25,000			
		Power input	kW	0.99 / 1.14	1.23 / 1.41		
	Current input	A	1.62 / 1.86	2.0 / 2.3			
Heating capacity (Nominal )	*3	kW	25.0	31.5			
		kcal / h	21,500	27,100			
		Btu / h	85,300	107,500			
	Power input	kW	0.99 / 1.14	1.23 / 1.41			
		Current input	A	1.62 / 1.86	2.0 / 2.3		
External finish			Galvanized				
External dimension H x W x D		mm	470 X 1,250 X 1,120	470 X 1,250 X 1,120			
		in.	18-9/16" x 49-1/4" x 44-1/8"	18-9/16" x 49-1/4" x 44-1/8"			
Net weight		kg (lb)	100 (221)	100 (221)			
Heat exchanger			Cross fin (Aluminum fin and copper tube)				
FAN	Type x Quantity		Sirocco fan x 2		Sirocco fan x 2		
	External static press.	Pa	110- 220 (380V)	110- 220 (380V)			
		mmH <sub>2</sub> O	11.2- 22.4	11.2- 22.4			
		Pa	130- 260 (400, 415V)	130- 260 (400, 415V)			
		mmH <sub>2</sub> O	13.3- 26.5	13.3- 26.5			
	Motor type		3-phase induction motor				
	Motor output		kW	0.760	1.080		
	Driving mechanism		Direct-driven by motor				
	Airflow rate (Low-Mid-High)	m <sup>3</sup> / min	58	72			
		L / s	967	1,200			
cfm		2,048	2,543				
Noise level (Low-Mid-High) (measured in anechoic room)	dB <A>	42 / 45 (380V)	50 / 52 (220V)				
	dB <A>	44 / 47 (400, 415V)	52 / 54 (230, 240V)				
Insulation material			Polystyrene foam, Polyethylene foam, Urethane foam				
Air filter			Option : Synthetic fiber unwoven cloth filter (long life)				
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.)	ø9.52 (ø3/8") Brazed	ø9.52 (ø3/8") Brazed			
			ø12.7 (ø1/2") Brazed	ø12.7 (ø1/2") Brazed			
	Gas (R410A) (R22, R407C)	mm (in.)	ø19.05 (ø3/4") Brazed	ø22.2 (ø7/8") Brazed			
			ø25.4 (ø1") Brazed	ø28.58 (ø1-1/8") Brazed			
Diameter of drain pipe		mm (in.)	32 (1-1/4")	32 (1-1/4")			
Drawing	External		IU-W27-5925				
	Wiring		IU-W65-3957				
	Refrigerant cycle		-				
Standard attachment	Document		Installation Manual, Instruction Book				
	Accessory		Drain hose VP-25 (flexible joint)				
Remark	Optional parts						
	Long life filter		PAC-KE85LAF	PAC-KE85LAF			
	Filter box		PAC-KE250TB-F	PAC-KE250TB-F			
	Drain pump kit		PAC-KE04DM-F	PAC-KE04DM-F			
	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)

Outdoor : 35°CDB (95°FDB)

Pipe length : 7.5 m (24-9/16 ft)

Level difference : 0 m (0 ft)

27°CDB/19.5°CWB (81°FDB/67°FWB)

35°CDB (95°FDB)

5 m (16-3/8 ft)

0 m (0 ft)

20°CDB (68°FDB)

7°CDB/6°CWB (45°FDB/43°FWB)

7.5 m (24-9/16 ft)

0 m (0 ft)

kcal/h = kW x 860

Btu/h = kW x 3,412

cfm = m<sup>3</sup>/min x 35.31

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\_PEFY-P-VMH-E\_3

# 2. CAPACITY TABLES

R410A Data G2

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

PEFY-P-VML-E,VMH-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	
			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	
	°FDB	°CDB	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	68	20.0	2.1	1.8	2.2	1.9	2.3	1.9	2.4	1.9	2.5	2.0	2.6	2.0	2.8	1.9
	73	22.5	2.1	1.8	2.2	1.9	2.3	1.9	2.4	1.9	2.5	2.0	2.6	2.0	2.8	1.9
	77	25.0	2.1	1.8	2.2	1.9	2.3	1.9	2.4	1.9	2.4	2.0	2.6	2.0	2.7	1.9
	82	27.5	2.1	1.8	2.1	1.9	2.3	1.8	2.3	1.9	2.4	2.0	2.5	1.9	2.7	1.9
	86	30.0	2.0	1.8	2.1	1.8	2.2	1.8	2.3	1.9	2.3	1.9	2.5	1.9	2.6	1.9
	91	32.5	2.0	1.8	2.1	1.8	2.2	1.8	2.2	1.8	2.3	1.9	2.4	1.9	2.6	1.9
	95	35.0	2.0	1.7	2.0	1.8	2.1	1.8	2.2	1.8	2.3	1.9	2.4	1.9	2.5	1.9
	100	37.5	1.9	1.7	2.0	1.8	2.1	1.8	2.1	1.8	2.2	1.9	2.3	1.9	2.5	1.8
	104	40.0	1.9	1.7	1.9	1.8	2.1	1.8	2.1	1.8	2.2	1.9	2.3	1.8	2.4	1.8
110	43.0	1.8	1.7	1.9	1.8	2.0	1.7	2.0	1.8	2.1	1.9	2.2	1.8	2.4	1.8	
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	2.2
	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	2.1	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	2.1	2.8	2.1	2.8	2.2	2.9	2.2	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	2.1	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	2.1	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	2.6	3.5	2.7	3.8	2.7	3.9	2.8	4.0	2.9	4.2	2.8	4.6	2.8
	73	22.5	3.4	2.6	3.5	2.7	3.8	2.7	3.9	2.8	4.0	2.9	4.2	2.8	4.6	2.8
	77	25.0	3.4	2.6	3.5	2.7	3.8	2.7	3.9	2.8	4.0	2.9	4.2	2.8	4.5	2.8
	82	27.5	3.4	2.6	3.5	2.7	3.7	2.7	3.8	2.7	3.9	2.8	4.1	2.8	4.4	2.7
	86	30.0	3.3	2.6	3.4	2.7	3.6	2.7	3.7	2.7	3.8	2.8	4.0	2.7	4.3	2.7
	91	32.5	3.3	2.6	3.4	2.7	3.6	2.6	3.7	2.7	3.8	2.8	4.0	2.7	4.2	2.7
	95	35.0	3.2	2.6	3.3	2.6	3.5	2.6	3.6	2.6	3.7	2.7	3.9	2.7	4.1	2.7
	100	37.5	3.2	2.5	3.2	2.6	3.4	2.6	3.5	2.6	3.6	2.7	3.8	2.7	4.0	2.6
	104	40.0	3.1	2.5	3.2	2.6	3.4	2.5	3.5	2.6	3.6	2.7	3.7	2.6	4.0	2.6
110	43.0	3.0	2.5	3.1	2.5	3.3	2.5	3.3	2.5	3.5	2.6	3.6	2.6	3.9	2.6	
40 (4.5)	68	20.0	4.3	3.3	4.4	3.4	4.7	3.3	4.9	3.4	5.0	3.5	5.3	3.5	5.7	3.4
	73	22.5	4.3	3.3	4.4	3.4	4.7	3.3	4.9	3.4	5.0	3.5	5.3	3.5	5.7	3.4
	77	25.0	4.3	3.3	4.4	3.4	4.7	3.3	4.9	3.4	5.0	3.5	5.3	3.5	5.6	3.4
	82	27.5	4.3	3.2	4.4	3.3	4.6	3.3	4.8	3.4	4.9	3.5	5.2	3.4	5.5	3.4
	86	30.0	4.2	3.2	4.3	3.3	4.6	3.3	4.7	3.3	4.8	3.4	5.0	3.4	5.4	3.3
	91	32.5	4.1	3.2	4.2	3.3	4.5	3.2	4.6	3.3	4.7	3.4	5.0	3.3	5.3	3.3
	95	35.0	4.0	3.1	4.1	3.2	4.4	3.2	4.5	3.2	4.6	3.4	4.9	3.3	5.2	3.3
	100	37.5	3.9	3.1	4.1	3.2	4.3	3.2	4.4	3.2	4.5	3.3	4.8	3.3	5.0	3.2
	104	40.0	3.9	3.1	4.0	3.2	4.2	3.1	4.3	3.2	4.5	3.3	4.7	3.2	5.0	3.2
110	43.0	3.8	3.0	3.9	3.1	4.1	3.1	4.2	3.1	4.3	3.2	4.5	3.2	4.8	3.1	
50 (5.6)	68	20.0	5.3	3.8	5.5	3.9	5.9	3.9	6.0	3.9	6.2	4.1	6.6	4.0	7.1	4.0
	73	22.5	5.3	3.8	5.5	3.9	5.9	3.9	6.0	3.9	6.2	4.1	6.6	4.0	7.1	4.0
	77	25.0	5.3	3.8	5.5	3.9	5.9	3.9	6.0	3.9	6.2	4.1	6.6	4.0	6.9	3.9
	82	27.5	5.3	3.8	5.5	3.9	5.8	3.9	5.9	3.9	6.1	4.0	6.4	4.0	6.8	3.9
	86	30.0	5.2	3.8	5.3	3.8	5.7	3.8	5.8	3.8	6.0	4.0	6.3	3.9	6.7	3.9
	91	32.5	5.1	3.7	5.3	3.8	5.5	3.8	5.7	3.8	5.9	3.9	6.2	3.9	6.6	3.8
	95	35.0	5.0	3.7	5.2	3.8	5.5	3.7	5.6	3.7	5.7	3.9	6.0	3.8	6.4	3.7
	100	37.5	4.9	3.6	5.0	3.7	5.3	3.7	5.5	3.7	5.6	3.8	5.9	3.8	6.3	3.7
	104	40.0	4.8	3.6	5.0	3.7	5.3	3.6	5.4	3.7	5.5	3.8	5.8	3.7	6.2	3.7
110	43.0	4.7	3.5	4.8	3.6	5.1	3.6	5.2	3.6	5.4	3.7	5.7	3.7	6.0	3.6	
63 (7.1)	68	20.0	6.7	5.0	7.0	5.2	7.5	5.1	7.7	5.2	7.9	5.4	8.4	5.3	9.0	5.3
	73	22.5	6.7	5.0	7.0	5.2	7.5	5.1	7.7	5.2	7.9	5.4	8.4	5.3	9.0	5.3
	77	25.0	6.7	5.0	7.0	5.2	7.5	5.1	7.7	5.2	7.8	5.4	8.3	5.3	8.8	5.2
	82	27.5	6.7	5.0	6.9	5.1	7.3	5.1	7.5	5.1	7.7	5.3	8.1	5.2	8.7	5.2
	86	30.0	6.6	4.9	6.8	5.1	7.2	5.0	7.4	5.1	7.6	5.3	8.0	5.2	8.5	5.1
	91	32.5	6.5	4.9	6.7	5.0	7.0	4.9	7.2	5.0	7.4	5.2	7.8	5.1	8.3	5.0
	95	35.0	6.4	4.8	6.5	5.0	6.9	4.9	7.1	5.0	7.3	5.1	7.7	5.1	8.1	5.0
	100	37.5	6.2	4.8	6.4	4.9	6.8	4.8	6.9	4.9	7.1	5.1	7.5	5.0	8.0	4.9
	104	40.0	6.1	4.7	6.3	4.8	6.7	4.8	6.8	4.8	7.0	5.0	7.3	4.9	7.8	4.9
110	43.0	6.0	4.6	6.1	4.8	6.5	4.7	6.6	4.8	6.8	4.9	7.2	4.9	7.6	4.8	
71 (8.0)	68	20.0	7.6	5.6	7.9	5.8	8.4	5.7	8.6	5.8	8.9	6.0	9.4	5.9	10.1	5.9
	73	22.5	7.6	5.6	7.9	5.8	8.4	5.7	8.6	5.8	8.9	6.0	9.4	5.9	10.1	5.9
	77	25.0	7.6	5.6	7.9	5.8	8.4	5.7	8.6	5.8	8.8	6.0	9.4	5.9	9.9	5.8
	82	27.5	7.6	5.6	7.8	5.7	8.2	5.7	8.5	5.7	8.7	5.9	9.2	5.8	9.8	5.8
	86	30.0	7.4	5.5	7.6	5.7	8.1	5.6	8.3	5.7	8.5	5.9	9.0	5.8	9.6	5.7
	91	32.5	7.3	5.4	7.5	5.6	7.9	5.5	8.1	5.6	8.4	5.8	8.8	5.7	9.4	5.6
	95	35.0	7.2	5.4	7.4	5.5	7.8	5.5	8.0	5.5	8.2	5.7	8.6	5.6	9.2	5.5
	100	37.5	7.0	5.3	7.2	5.5	7.6	5.4	7.8	5.5	8.0	5.7	8.5	5.6	9.0	5.5
	104	40.0	6.9	5.2	7.1	5.4	7.5	5.3	7.7	5.4	7.9	5.6	8.3	5.5	8.8	5.4
110	43.0	6.7	5.2	6.9	5.3	7.3	5.3	7.4	5.3	7.7	5.5	8.1	5.4	8.6	5.3	

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



## 2. CAPACITY TABLES

R410A Data G2

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

PEFY-P-VML-E,VMH-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	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
80 (9.0)	68	20.0	8.6	6.3	8.9	6.5	9.5	6.5	9.7	6.6	10.0	6.8	10.6	6.7	11.4	6.7
	73	22.5	8.6	6.3	8.9	6.5	9.5	6.5	9.7	6.6	10.0	6.8	10.6	6.7	11.4	6.7
	77	25.0	8.6	6.3	8.9	6.5	9.5	6.5	9.7	6.6	9.9	6.8	10.5	6.7	11.2	6.6
	82	27.5	8.5	6.3	8.8	6.5	9.3	6.4	9.5	6.5	9.8	6.7	10.3	6.6	11.0	6.5
	86	30.0	8.4	6.2	8.6	6.4	9.1	6.3	9.4	6.4	9.6	6.6	10.1	6.5	10.8	6.4
	91	32.5	8.2	6.2	8.5	6.3	8.9	6.3	9.1	6.3	9.4	6.6	9.9	6.4	10.5	6.4
	95	35.0	8.1	6.1	8.3	6.3	8.8	6.2	9.0	6.3	9.2	6.5	9.7	6.4	10.3	6.3
	100	37.5	7.9	6.0	8.1	6.2	8.6	6.1	8.8	6.2	9.0	6.4	9.5	6.3	10.1	6.2
	104	40.0	7.7	5.9	8.0	6.1	8.5	6.1	8.6	6.1	8.9	6.4	9.3	6.2	9.9	6.1
110	43.0	7.6	5.8	7.8	6.0	8.2	6.0	8.4	6.0	8.6	6.2	9.1	6.1	9.6	6.0	
100 (11.2)	68	20.0	10.6	8.5	11.0	8.8	11.8	8.8	12.1	8.9	12.5	9.3	13.2	9.2	14.2	9.1
	73	22.5	10.6	8.5	11.0	8.8	11.8	8.8	12.1	8.9	12.5	9.3	13.2	9.2	14.2	9.1
	77	25.0	10.6	8.5	11.0	8.8	11.8	8.8	12.1	8.9	12.4	9.2	13.1	9.1	13.9	9.0
	82	27.5	10.6	8.5	10.9	8.8	11.5	8.7	11.9	8.8	12.2	9.2	12.8	9.0	13.7	8.9
	86	30.0	10.4	8.4	10.7	8.7	11.3	8.6	11.6	8.7	11.9	9.1	12.5	8.9	13.4	8.8
	91	32.5	10.2	8.3	10.5	8.6	11.1	8.5	11.4	8.6	11.7	9.0	12.3	8.8	13.1	8.7
	95	35.0	10.0	8.2	10.3	8.5	10.9	8.4	11.2	8.6	11.5	8.9	12.1	8.8	12.8	8.6
	100	37.5	9.8	8.1	10.1	8.4	10.7	8.3	10.9	8.5	11.3	8.8	11.9	8.7	12.5	8.5
	104	40.0	9.6	8.1	9.9	8.3	10.5	8.2	10.8	8.4	11.1	8.7	11.6	8.6	12.3	8.5
110	43.0	9.4	7.9	9.7	8.2	10.2	8.1	10.4	8.3	10.8	8.6	11.3	8.5	12.0	8.3	
125 (14.0)	68	20.0	13.3	9.8	13.8	10.1	14.7	10.1	15.1	10.2	15.6	10.6	16.5	10.4	17.7	10.3
	73	22.5	13.3	9.8	13.8	10.1	14.7	10.1	15.1	10.2	15.6	10.6	16.5	10.4	17.7	10.3
	77	25.0	13.3	9.8	13.8	10.1	14.7	10.1	15.1	10.2	15.5	10.5	16.4	10.4	17.4	10.2
	82	27.5	13.2	9.8	13.7	10.1	14.4	9.9	14.8	10.1	15.3	10.4	16.0	10.2	17.1	10.1
	86	30.0	13.0	9.7	13.4	9.9	14.2	9.8	14.6	10.0	14.9	10.3	15.7	10.1	16.7	10.0
	91	32.5	12.7	9.5	13.2	9.8	13.9	9.7	14.2	9.8	14.6	10.2	15.4	10.0	16.4	9.9
	95	35.0	12.5	9.4	12.9	9.7	13.7	9.6	14.0	9.7	14.4	10.1	15.1	9.9	16.0	9.7
	100	37.5	12.3	9.3	12.6	9.6	13.4	9.5	13.7	9.6	14.1	9.9	14.8	9.8	15.7	9.6
	104	40.0	12.0	9.2	12.4	9.5	13.2	9.4	13.4	9.5	13.9	9.9	14.5	9.6	15.4	9.5
110	43.0	11.8	9.1	12.1	9.3	12.8	9.2	13.0	9.3	13.4	9.7	14.1	9.5	15.0	9.4	
140 (16.0)	68	20.0	15.2	11.2	15.8	11.6	16.8	11.5	17.3	11.7	17.8	12.1	18.9	11.9	20.2	11.8
	73	22.5	15.2	11.2	15.8	11.6	16.8	11.5	17.3	11.7	17.8	12.1	18.9	11.9	20.2	11.8
	77	25.0	15.2	11.2	15.8	11.6	16.8	11.5	17.3	11.7	17.7	12.0	18.7	11.9	19.8	11.7
	82	27.5	15.1	11.2	15.6	11.5	16.5	11.4	17.0	11.5	17.4	11.9	18.3	11.7	19.5	11.6
	86	30.0	14.9	11.1	15.3	11.4	16.2	11.2	16.6	11.4	17.0	11.8	17.9	11.6	19.1	11.4
	91	32.5	14.6	10.9	15.0	11.2	15.8	11.1	16.2	11.2	16.7	11.6	17.6	11.4	18.7	11.3
	95	35.0	14.3	10.8	14.7	11.1	15.6	11.0	16.0	11.1	16.4	11.5	17.3	11.3	18.3	11.1
	100	37.5	14.0	10.7	14.4	10.9	15.3	10.8	15.6	10.9	16.1	11.4	17.0	11.2	17.9	11.0
	104	40.0	13.8	10.5	14.2	10.8	15.0	10.7	15.4	10.8	15.8	11.3	16.6	11.0	17.6	10.9
110	43.0	13.4	10.4	13.8	10.7	14.6	10.6	14.9	10.6	15.4	11.1	16.2	10.9	17.1	10.7	
200 (22.4)	68	20.0	21.3	16.1	22.1	16.6	23.5	16.5	24.2	16.7	25.0	17.4	26.4	17.1	28.3	17.0
	73	22.5	21.3	16.1	22.1	16.6	23.5	16.5	24.2	16.7	25.0	17.4	26.4	17.1	28.3	17.0
	77	25.0	21.3	16.1	22.1	16.6	23.5	16.5	24.2	16.7	24.8	17.3	26.2	17.1	27.8	16.8
	82	27.5	21.2	16.0	21.8	16.5	23.1	16.3	23.7	16.6	24.4	17.2	25.6	16.8	27.3	16.6
	86	30.0	20.8	15.9	21.4	16.3	22.7	16.1	23.3	16.4	23.9	16.9	25.1	16.6	26.8	16.4
	91	32.5	20.4	15.7	21.1	16.2	22.2	15.9	22.7	16.1	23.4	16.8	24.6	16.5	26.2	16.2
	95	35.0	20.0	15.5	20.6	15.9	21.8	15.8	22.4	16.0	23.0	16.6	24.2	16.3	25.6	16.1
	100	37.5	19.6	15.3	20.2	15.7	21.4	15.6	21.8	15.8	22.5	16.4	23.7	16.1	25.1	15.9
	104	40.0	19.3	15.1	19.8	15.6	21.1	15.4	21.5	15.6	22.2	16.3	23.2	15.9	24.6	15.7
110	43.0	18.8	14.9	19.4	15.4	20.5	15.2	20.8	15.4	21.5	16.0	22.6	15.7	24.0	15.5	
250 (28.0)	68	20.0	26.6	20.0	27.6	20.7	29.4	20.5	30.2	20.8	31.2	21.6	33.0	21.3	35.4	21.1
	73	22.5	26.6	20.0	27.6	20.7	29.4	20.5	30.2	20.8	31.2	21.6	33.0	21.3	35.4	21.1
	77	25.0	26.6	20.0	27.6	20.7	29.4	20.5	30.2	20.8	30.9	21.5	32.8	21.2	34.7	20.9
	82	27.5	26.5	19.9	27.3	20.5	28.8	20.3	29.7	20.6	30.5	21.3	32.1	20.9	34.2	20.7
	86	30.0	26.0	19.7	26.7	20.3	28.3	20.1	29.1	20.3	29.8	21.0	31.4	20.7	33.5	20.4
	91	32.5	25.5	19.5	26.3	20.1	27.7	19.8	28.4	20.0	29.3	20.8	30.8	20.4	32.8	20.2
	95	35.0	25.1	19.3	25.8	19.8	27.3	19.6	28.0	19.9	28.7	20.6	30.2	20.2	32.1	19.9
	100	37.5	24.6	19.0	25.2	19.5	26.7	19.4	27.3	19.6	28.1	20.4	29.7	20.0	31.4	19.7
	104	40.0	24.1	18.8	24.8	19.4	26.3	19.2	26.9	19.4	27.7	20.2	29.0	19.8	30.8	19.5
110	43.0	23.5	18.5	24.2	19.1	25.6	18.9	26.0	19.1	26.9	19.8	28.3	19.5	30.0	19.2	

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

PEFY-P-VML-E,VMH-E

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB	68 °FDB	77 °FDB	81 °FDB
			15.0°CDB	20.0°CDB	25.0°CDB	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	
71 (8.0)	-4	-20.0	4.6	4.5	4.5	4.5
	5	-15.0	5.6	5.5	5.4	5.3
	14	-10.0	6.6	6.5	6.3	6.2
	23	-5.0	7.6	7.5	7.2	6.3
	32	0.0	8.5	8.5	7.2	6.3
	37	2.5	9.0	8.9	7.2	6.3
	43	6.0	9.4	9.0	7.2	6.3
	46	7.5	9.7	9.0	7.2	6.3
	50	10.0	10.3	9.0	7.2	6.3
	55	12.5	10.8	9.0	7.2	6.3
60	15.5	11.5	9.0	7.2	6.3	

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB	68 °FDB	77 °FDB	81 °FDB
			15.0°CDB	20.0°CDB	25.0°CDB	27.0°CDB
	*FWB	*CWB	SHC	SHC	SHC	SHC
80 (9.0)	-4	-20.0	5.2	5.0	5.0	5.0
	5	-15.0	6.2	6.1	6.0	5.9
	14	-10.0	7.3	7.2	7.0	6.9
	23	-5.0	8.4	8.3	8.0	7.0
	32	0.0	9.5	9.4	8.0	7.0
	37	2.5	10.0	9.9	8.0	7.0
	43	6.0	10.4	10.0	8.0	7.0
	46	7.5	10.8	10.0	8.0	7.0
	50	10.0	11.4	10.0	8.0	7.0
	55	12.5	12.1	10.0	8.0	7.0
60	15.5	12.8	10.0	8.0	7.0	
100 (11.2)	-4	-20.0	6.4	6.3	6.3	6.3
	5	-15.0	7.8	7.6	7.5	7.4
	14	-10.0	9.1	9.0	8.8	8.6
	23	-5.0	10.5	10.4	10.0	8.8
	32	0.0	11.8	11.8	10.0	8.8
	37	2.5	12.5	12.4	10.0	8.8
	43	6.0	13.0	12.5	10.0	8.8
	46	7.5	13.4	12.5	10.0	8.8
	50	10.0	14.3	12.5	10.0	8.8
	55	12.5	15.1	12.5	10.0	8.8
60	15.5	16.0	12.5	10.0	8.8	
125 (14.0)	-4	-20.0	8.2	8.0	8.0	8.0
	5	-15.0	9.9	9.8	9.6	9.4
	14	-10.0	11.7	11.5	11.2	11.0
	23	-5.0	13.4	13.3	12.8	11.2
	32	0.0	15.1	15.0	12.8	11.2
	37	2.5	16.0	15.8	12.8	11.2
	43	6.0	16.6	16.0	12.8	11.2
	46	7.5	17.2	16.0	12.8	11.2
	50	10.0	18.2	16.0	12.8	11.2
	55	12.5	19.3	16.0	12.8	11.2
60	15.5	20.5	16.0	12.8	11.2	
140 (16.0)	-4	-20.0	9.3	9.0	9.0	9.0
	5	-15.0	11.2	11.0	10.8	10.6
	14	-10.0	13.1	13.0	12.6	12.3
	23	-5.0	15.1	14.9	14.4	12.6
	32	0.0	17.0	16.9	14.4	12.6
	37	2.5	18.0	17.8	14.4	12.6
	43	6.0	18.7	18.0	14.4	12.6
	46	7.5	19.4	18.0	14.4	12.6
	50	10.0	20.5	18.0	14.4	12.6
	55	12.5	21.7	18.0	14.4	12.6
60	15.5	23.0	18.0	14.4	12.6	
200 (22.4)	-4	-20.0	12.9	12.5	12.5	12.5
	5	-15.0	15.5	15.3	15.0	14.8
	14	-10.0	18.3	18.0	17.5	17.1
	23	-5.0	21.0	20.8	20.0	17.5
	32	0.0	23.6	23.5	20.0	17.5
	37	2.5	25.0	24.8	20.0	17.5
	43	6.0	26.0	25.0	20.0	17.5
	46	7.5	26.9	25.0	20.0	17.5
	50	10.0	28.5	25.0	20.0	17.5
	55	12.5	30.1	25.0	20.0	17.5
60	15.5	32.0	25.0	20.0	17.5	
250 (28.0)	-4	-20.0	16.2	15.8	15.8	15.8
	5	-15.0	19.5	19.2	18.9	18.6
	14	-10.0	23.0	22.7	22.1	21.6
	23	-5.0	26.5	26.1	25.2	22.1
	32	0.0	29.8	29.6	25.2	22.1
	37	2.5	31.5	31.2	25.2	22.1
	43	6.0	32.8	31.5	25.2	22.1
	46	7.5	33.9	31.5	25.2	22.1
	50	10.0	35.9	31.5	25.2	22.1
	55	12.5	38.0	31.5	25.2	22.1
60	15.5	40.3	31.5	25.2	22.1	

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

PEFY-P-VML-E,VMH-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	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	68	20.0	2.1	1.8	2.2	1.9	2.4	1.9	2.5	1.9	2.5	2.0	2.7	2.0	2.9	2.0
	73	22.5	2.1	1.8	2.2	1.9	2.3	1.9	2.4	1.9	2.5	2.0	2.6	2.0	2.8	1.9
	77	25.0	2.1	1.8	2.2	1.9	2.3	1.9	2.4	1.9	2.4	2.0	2.6	2.0	2.8	1.9
	82	27.5	2.1	1.8	2.1	1.9	2.3	1.8	2.3	1.9	2.4	2.0	2.5	1.9	2.7	1.9
	86	30.0	2.0	1.8	2.1	1.8	2.2	1.8	2.3	1.9	2.4	1.9	2.5	1.9	2.6	1.9
	91	32.5	2.0	1.8	2.0	1.8	2.2	1.8	2.2	1.9	2.3	1.9	2.4	1.9	2.6	1.9
	95	35.0	2.0	1.7	2.0	1.8	2.1	1.8	2.2	1.8	2.3	1.9	2.4	1.9	2.5	1.9
	100	37.5	1.9	1.7	1.9	1.8	2.1	1.8	2.1	1.8	2.2	1.9	2.4	1.9	2.5	1.8
	104	40.0	1.9	1.7	1.9	1.8	2.0	1.7	2.1	1.8	2.4	2.0	2.3	1.9	2.4	1.8
110	43.0	1.8	1.7	1.8	1.7	2.0	1.7	2.0	1.8	2.1	1.9	2.2	1.8	2.4	1.8	
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	2.1	2.8	2.2	3.0	2.2	3.1	2.3	3.2	2.3	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	2.1	2.8	2.1	2.9	2.2	3.0	2.3	3.2	2.2	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	2.2	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	2.1	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	2.1
	104	40.0	2.4	2.0	2.4	2.1	2.6	2.0	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	2.1	2.8	2.1	3.0	2.1	
32 (3.6)	68	20.0	3.5	2.7	3.6	2.8	3.9	2.8	4.0	2.8	4.2	2.9	4.4	2.9	4.7	2.8
	73	22.5	3.5	2.7	3.6	2.8	3.8	2.7	4.0	2.8	4.1	2.9	4.3	2.9	4.6	2.8
	77	25.0	3.4	2.7	3.5	2.7	3.8	2.7	3.9	2.8	4.0	2.9	4.2	2.8	4.5	2.8
	82	27.5	3.4	2.6	3.5	2.7	3.7	2.7	3.8	2.7	3.9	2.8	4.2	2.8	4.4	2.8
	86	30.0	3.3	2.6	3.4	2.7	3.6	2.6	3.7	2.7	3.9	2.8	4.1	2.8	4.3	2.7
	91	32.5	3.3	2.6	3.3	2.6	3.5	2.6	3.7	2.7	3.8	2.8	4.0	2.7	4.2	2.7
	95	35.0	3.2	2.5	3.3	2.6	3.5	2.6	3.6	2.6	3.7	2.7	3.9	2.7	4.2	2.7
	100	37.5	3.2	2.5	3.2	2.6	3.4	2.6	3.5	2.6	3.6	2.7	3.9	2.7	4.1	2.6
	104	40.0	3.1	2.5	3.1	2.5	3.3	2.5	3.4	2.6	3.9	2.8	3.8	2.6	4.0	2.6
110	43.0	3.0	2.5	3.0	2.5	3.2	2.5	3.3	2.5	3.4	2.6	3.7	2.6	3.9	2.6	
40 (4.5)	68	20.0	4.4	3.3	4.5	3.4	4.9	3.4	5.0	3.5	5.2	3.6	5.5	3.6	5.9	3.5
	73	22.5	4.3	3.3	4.5	3.4	4.8	3.4	5.0	3.4	5.1	3.6	5.4	3.5	5.7	3.5
	77	25.0	4.3	3.3	4.4	3.4	4.7	3.3	4.9	3.4	5.0	3.5	5.3	3.5	5.6	3.4
	82	27.5	4.2	3.2	4.3	3.3	4.6	3.3	4.8	3.4	4.9	3.5	5.2	3.4	5.5	3.4
	86	30.0	4.1	3.2	4.2	3.3	4.5	3.3	4.7	3.3	4.8	3.4	5.1	3.4	5.4	3.3
	91	32.5	4.1	3.2	4.2	3.2	4.4	3.2	4.6	3.3	4.7	3.4	5.0	3.4	5.3	3.3
	95	35.0	4.0	3.1	4.1	3.2	4.3	3.2	4.5	3.2	4.6	3.4	4.9	3.3	5.2	3.3
	100	37.5	4.0	3.1	4.0	3.2	4.3	3.1	4.4	3.2	4.5	3.3	4.8	3.3	5.1	3.2
	104	40.0	3.9	3.1	3.9	3.1	4.2	3.1	4.3	3.2	4.9	3.5	4.7	3.2	5.0	3.2
110	43.0	3.8	3.0	3.8	3.1	4.1	3.0	4.2	3.1	4.3	3.2	4.6	3.2	4.8	3.1	
50 (5.6)	68	20.0	5.4	3.9	5.6	4.0	6.0	4.0	6.3	4.0	6.5	4.2	6.9	4.1	7.3	4.1
	73	22.5	5.4	3.9	5.6	4.0	6.0	3.9	6.2	4.0	6.4	4.1	6.7	4.1	7.1	4.0
	77	25.0	5.3	3.8	5.5	3.9	5.9	3.9	6.0	3.9	6.2	4.1	6.6	4.0	7.0	4.0
	82	27.5	5.2	3.8	5.4	3.9	5.7	3.8	5.9	3.9	6.1	4.0	6.5	4.0	6.9	3.9
	86	30.0	5.2	3.7	5.3	3.8	5.6	3.8	5.8	3.8	6.0	4.0	6.4	3.9	6.7	3.9
	91	32.5	5.1	3.7	5.2	3.8	5.5	3.7	5.7	3.8	5.9	3.9	6.2	3.9	6.6	3.8
	95	35.0	5.0	3.6	5.1	3.7	5.4	3.7	5.6	3.7	5.8	3.9	6.1	3.8	6.5	3.8
	100	37.5	4.9	3.6	5.0	3.7	5.3	3.6	5.5	3.7	5.7	3.8	6.0	3.8	6.3	3.7
	104	40.0	4.8	3.6	4.8	3.6	5.2	3.6	5.3	3.6	6.1	4.0	5.9	3.7	6.2	3.7
110	43.0	4.7	3.5	4.7	3.5	5.0	3.5	5.2	3.6	5.3	3.7	5.7	3.7	6.0	3.6	
63 (7.1)	68	20.0	6.9	5.1	7.1	5.2	7.7	5.2	8.0	5.3	8.2	5.5	8.7	5.5	9.2	5.4
	73	22.5	6.9	5.1	7.1	5.2	7.6	5.2	7.8	5.3	8.1	5.5	8.5	5.4	9.1	5.3
	77	25.0	6.8	5.0	7.0	5.2	7.4	5.1	7.7	5.2	7.9	5.4	8.4	5.3	8.9	5.2
	82	27.5	6.6	5.0	6.8	5.1	7.3	5.1	7.5	5.1	7.8	5.3	8.2	5.3	8.7	5.2
	86	30.0	6.5	4.9	6.7	5.0	7.1	5.0	7.4	5.1	7.6	5.3	8.1	5.2	8.5	5.1
	91	32.5	6.4	4.9	6.6	5.0	7.0	4.9	7.2	5.0	7.5	5.2	7.9	5.1	8.4	5.1
	95	35.0	6.3	4.8	6.4	4.9	6.8	4.9	7.1	5.0	7.3	5.2	7.7	5.1	8.2	5.0
	100	37.5	6.2	4.8	6.3	4.8	6.7	4.8	6.9	4.9	7.2	5.1	7.6	5.0	8.0	4.9
	104	40.0	6.1	4.7	6.1	4.8	6.6	4.7	6.8	4.8	7.7	5.3	7.4	5.0	7.8	4.9
110	43.0	6.0	4.6	6.0	4.7	6.4	4.7	6.6	4.8	6.8	4.9	7.2	4.9	7.6	4.8	
71 (8.0)	68	20.0	7.8	5.7	8.0	5.9	8.6	5.9	9.0	5.9	9.2	6.2	9.8	6.1	10.4	6.0
	73	22.5	7.7	5.7	8.0	5.8	8.5	5.8	8.8	5.9	9.1	6.1	9.6	6.0	10.2	5.9
	77	25.0	7.6	5.6	7.8	5.8	8.4	5.7	8.6	5.8	8.9	6.0	9.4	5.9	10.0	5.9
	82	27.5	7.5	5.5	7.7	5.7	8.2	5.7	8.5	5.7	8.7	6.0	9.3	5.9	9.8	5.8
	86	30.0	7.4	5.5	7.5	5.6	8.0	5.6	8.3	5.7	8.6	5.9	9.1	5.8	9.6	5.7
	91	32.5	7.2	5.4	7.4	5.5	7.9	5.5	8.2	5.6	8.4	5.8	8.9	5.7	9.4	5.6
	95	35.0	7.1	5.4	7.2	5.5	7.7	5.4	8.0	5.5	8.2	5.7	8.7	5.7	9.2	5.6
	100	37.5	7.0	5.3	7.1	5.4	7.6	5.4	7.8	5.5	8.1	5.7	8.6	5.6	9.1	5.5
	104	40.0	6.9	5.3	6.9	5.3	7.4	5.3	7.6	5.4	8.7	5.9	8.4	5.5	8.8	5.4
110	43.0	6.7	5.2	6.7	5.2	7.2	5.2	7.4	5.3	7.6	5.5	8.1	5.4	8.6	5.4	

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

## 2. CAPACITY TABLES

R410A Data G2

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

PEFY-P-VML-E,VMH-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	
			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	
	°FDB	°CDB	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
80 (9.0)	68	20.0	8.7	6.4	9.0	6.6	9.7	6.6	10.1	6.7	10.4	7.0	11.0	6.9	11.7	6.8
	73	22.5	8.7	6.4	9.0	6.6	9.6	6.6	9.9	6.7	10.2	6.9	10.8	6.8	11.5	6.7
	77	25.0	8.6	6.4	8.8	6.5	9.4	6.5	9.7	6.6	10.0	6.8	10.6	6.7	11.3	6.6
	82	27.5	8.4	6.3	8.6	6.4	9.2	6.4	9.5	6.5	9.8	6.7	10.4	6.7	11.0	6.5
	86	30.0	8.3	6.2	8.5	6.3	9.0	6.3	9.4	6.4	9.6	6.7	10.3	6.6	10.8	6.5
	91	32.5	8.1	6.1	8.3	6.3	8.9	6.2	9.2	6.3	9.5	6.6	10.0	6.5	10.6	6.4
	95	35.0	8.0	6.1	8.1	6.2	8.6	6.1	9.0	6.3	9.3	6.5	9.8	6.4	10.4	6.3
	100	37.5	7.9	6.0	8.0	6.1	8.5	6.1	8.8	6.2	9.1	6.4	9.6	6.3	10.2	6.2
	104	40.0	7.8	6.0	7.8	6.0	8.3	6.0	8.6	6.1	8.8	6.3	9.4	6.3	9.9	6.2
110	43.0	7.6	5.8	7.6	5.9	8.1	5.9	8.4	6.0	8.6	6.2	9.1	6.2	9.7	6.1	
100 (11.2)	68	20.0	10.9	8.6	11.3	8.9	12.1	8.9	12.5	9.1	12.9	9.5	13.7	9.3	14.6	9.2
	73	22.5	10.8	8.6	11.2	8.9	11.9	8.8	12.3	9.0	12.7	9.4	13.5	9.3	14.3	9.1
	77	25.0	10.7	8.5	11.0	8.8	11.7	8.7	12.1	8.9	12.5	9.3	13.2	9.2	14.0	9.0
	82	27.5	10.5	8.4	10.8	8.7	11.5	8.6	11.9	8.8	12.2	9.2	13.0	9.1	13.7	8.9
	86	30.0	10.3	8.4	10.5	8.6	11.3	8.6	11.6	8.7	12.0	9.1	12.8	9.0	13.4	8.8
	91	32.5	10.1	8.3	10.4	8.5	11.0	8.5	11.4	8.7	11.8	9.0	12.4	8.9	13.2	8.8
	95	35.0	10.0	8.2	10.1	8.4	10.8	8.3	11.2	8.6	11.5	8.9	12.2	8.8	12.9	8.7
	100	37.5	9.9	8.2	9.9	8.3	10.6	8.3	10.9	8.5	11.3	8.8	12.0	8.7	12.7	8.6
	104	40.0	9.7	8.1	9.7	8.2	10.4	8.2	10.7	8.4	11.1	8.7	11.7	8.6	12.4	8.5
110	43.0	9.4	7.9	9.4	8.1	10.1	8.1	10.4	8.3	10.7	8.6	11.4	8.5	12.0	8.4	
125 (14.0)	68	20.0	13.6	10.0	14.1	10.3	15.1	10.3	15.7	10.4	16.2	10.8	17.2	10.7	18.2	10.5
	73	22.5	13.5	9.9	14.0	10.2	14.9	10.2	15.4	10.3	15.9	10.7	16.8	10.6	17.9	10.4
	77	25.0	13.4	9.9	13.7	10.1	14.6	10.0	15.1	10.2	15.6	10.6	16.5	10.4	17.5	10.3
	82	27.5	13.1	9.7	13.4	10.0	14.4	9.9	14.8	10.1	15.3	10.5	16.2	10.3	17.2	10.1
	86	30.0	12.9	9.6	13.2	9.8	14.1	9.8	14.6	10.0	15.0	10.3	16.0	10.2	16.8	10.0
	91	32.5	12.7	9.5	13.0	9.7	13.8	9.7	14.3	9.8	14.7	10.2	15.5	10.1	16.5	9.9
	95	35.0	12.5	9.4	12.7	9.6	13.4	9.5	14.0	9.7	14.4	10.1	15.3	9.9	16.2	9.8
	100	37.5	12.3	9.3	12.4	9.5	13.2	9.4	13.7	9.6	14.1	10.0	15.0	9.8	15.8	9.7
	104	40.0	12.1	9.2	12.1	9.3	13.0	9.3	13.4	9.5	13.8	9.7	14.6	9.7	15.5	9.5
110	43.0	11.8	9.1	11.8	9.2	12.6	9.1	13.0	9.3	13.4	9.7	14.2	9.5	15.1	9.4	
140 (16.0)	68	20.0	15.5	11.4	16.1	11.8	17.3	11.7	17.9	11.9	18.5	12.4	19.6	12.2	20.8	12.0
	73	22.5	15.4	11.4	16.0	11.7	17.0	11.6	17.6	11.8	18.2	12.2	19.2	12.1	20.4	11.9
	77	25.0	15.3	11.3	15.7	11.6	16.7	11.5	17.3	11.7	17.8	12.1	18.9	11.9	20.0	11.7
	82	27.5	15.0	11.1	15.4	11.4	16.4	11.3	17.0	11.5	17.5	12.0	18.5	11.8	19.6	11.6
	86	30.0	14.7	11.0	15.0	11.2	16.1	11.2	16.6	11.4	17.1	11.8	18.2	11.7	19.2	11.4
	91	32.5	14.5	10.9	14.8	11.1	15.8	11.0	16.3	11.2	16.8	11.7	17.8	11.5	18.8	11.3
	95	35.0	14.2	10.8	14.5	11.0	15.4	10.9	16.0	11.1	16.5	11.5	17.4	11.4	18.5	11.2
	100	37.5	14.1	10.7	14.2	10.8	15.1	10.8	15.6	10.9	16.2	11.4	17.1	11.2	18.1	11.1
	104	40.0	13.8	10.6	13.8	10.7	14.8	10.6	15.3	10.8	15.7	11.4	16.7	11.1	17.7	10.9
110	43.0	13.4	10.4	13.4	10.5	14.4	10.4	14.9	10.6	15.3	11.0	16.2	10.9	17.2	10.7	
200 (22.4)	68	20.0	21.7	16.3	22.5	16.8	24.2	16.8	25.1	17.1	25.9	17.8	27.4	17.5	29.1	17.3
	73	22.5	21.6	16.3	22.4	16.8	23.9	16.7	24.6	16.9	25.4	17.6	26.9	17.3	28.6	17.1
	77	25.0	21.4	16.1	22.0	16.6	23.4	16.5	24.2	16.7	24.9	17.4	26.4	17.1	28.0	16.9
	82	27.5	20.9	15.9	21.5	16.4	23.0	16.3	23.7	16.6	24.5	17.2	25.9	17.0	27.4	16.7
	86	30.0	20.6	15.8	21.1	16.2	22.5	16.1	23.3	16.4	24.0	17.0	25.5	16.8	26.9	16.5
	91	32.5	20.3	15.6	20.7	16.0	22.1	15.9	22.8	16.2	23.5	16.8	24.9	16.5	26.4	16.3
	95	35.0	19.9	15.4	20.3	15.8	21.5	15.6	22.4	16.0	23.1	16.6	24.4	16.4	25.9	16.1
	100	37.5	19.7	15.3	19.8	15.6	21.2	15.5	21.8	15.8	22.6	16.4	24.0	16.2	25.4	16.0
	104	40.0	19.4	15.2	19.4	15.4	20.7	15.3	21.4	15.6	22.3	17.1	23.4	16.0	24.8	15.7
110	43.0	18.8	14.9	18.8	15.1	20.2	15.0	20.8	15.4	21.4	15.9	22.7	15.8	24.1	15.5	
250 (28.0)	68	20.0	27.2	20.3	28.1	20.9	30.2	20.9	31.4	21.3	32.3	22.1	34.3	21.8	36.4	21.5
	73	22.5	27.0	20.2	28.0	20.9	29.8	20.7	30.8	21.0	31.8	21.9	33.7	21.5	35.7	21.2
	77	25.0	26.7	20.1	27.4	20.6	29.3	20.5	30.2	20.8	31.2	21.6	33.0	21.3	35.0	21.0
	82	27.5	26.2	19.8	26.9	20.3	28.7	20.2	29.7	20.6	30.6	21.4	32.4	21.1	34.3	20.7
	86	30.0	25.8	19.6	26.3	20.1	28.1	20.0	29.1	20.3	30.0	21.1	31.9	20.9	33.6	20.5
	91	32.5	25.3	19.4	25.9	19.9	27.6	19.7	28.6	20.1	29.4	20.9	31.1	20.6	33.0	20.3
	95	35.0	24.9	19.2	25.3	19.6	26.9	19.4	28.0	19.9	28.8	20.6	30.5	20.3	32.3	20.0
	100	37.5	24.6	19.1	24.8	19.4	26.5	19.2	27.3	19.6	28.3	20.4	30.0	20.1	31.7	19.8
	104	40.0	24.2	18.8	24.2	19.1	25.9	19.0	26.7	19.3	27.7	20.1	29.3	19.9	30.9	19.5
110	43.0	23.5	18.5	23.5	18.8	25.2	18.7	26.0	19.1	26.7	19.8	28.4	19.6	30.1	19.3	

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

# 2. CAPACITY TABLES

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

PEFY-P-VML-E,VMH-E

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB	68 °FDB	77 °FDB	81 °FDB
			15.0°CDB	20.0°CDB	25.0°CDB	27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
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
	55	12.5	2.9	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
	55	12.5	3.7	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
	55	12.5	4.6	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
	55	12.5	5.8	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
	55	12.5	7.2	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
	55	12.5	9.2	8.0	6.0	5.1
60	15.5	9.2	8.0	6.0	5.1	
71 (8.0)	-4	-20.0	4.7	4.5	4.5	4.3
	5	-15.0	5.4	5.4	5.4	5.2
	14	-10.0	6.3	6.3	6.2	5.8
	23	-5.0	7.2	7.2	6.8	5.8
	32	0.0	8.1	8.1	6.8	5.8
	37	2.5	8.6	8.5	6.8	5.8
	43	6.0	9.2	9.0	6.8	5.8
	46	7.5	9.5	9.0	6.8	5.8
	50	10.0	9.9	9.0	6.8	5.8
	55	12.5	10.4	9.0	6.8	5.8
60	15.5	10.4	9.0	6.8	5.8	

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB	68 °FDB	77 °FDB	81 °FDB
			15.0°CDB	20.0°CDB	25.0°CDB	27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
80 (9.0)	-4	-20.0	5.2	5.0	5.0	4.8
	5	-15.0	6.0	6.0	6.0	5.8
	14	-10.0	7.0	7.0	6.9	6.4
	23	-5.0	8.0	8.0	7.5	6.4
	32	0.0	9.0	9.0	7.5	6.4
	37	2.5	9.6	9.5	7.5	6.4
	43	6.0	10.3	10.0	7.5	6.4
	46	7.5	10.6	10.0	7.5	6.4
	50	10.0	11.1	10.0	7.5	6.4
	55	12.5	11.5	10.0	7.5	6.4
60	15.5	11.5	10.0	7.5	6.4	
100 (11.2)	-4	-20.0	6.5	6.3	6.3	6.0
	5	-15.0	7.5	7.5	7.5	7.3
	14	-10.0	8.8	8.8	8.6	8.0
	23	-5.0	10.0	10.0	9.4	8.0
	32	0.0	11.3	11.3	9.4	8.0
	37	2.5	11.9	11.8	9.4	8.0
	43	6.0	12.8	12.5	9.4	8.0
	46	7.5	13.3	12.5	9.4	8.0
	50	10.0	13.8	12.5	9.4	8.0
	55	12.5	14.4	12.5	9.4	8.0
60	15.5	14.4	12.5	9.4	8.0	
125 (14.0)	-4	-20.0	8.3	8.0	8.0	7.7
	5	-15.0	9.6	9.6	9.6	9.3
	14	-10.0	11.2	11.2	11.0	10.2
	23	-5.0	12.8	12.8	12.0	10.2
	32	0.0	14.4	14.4	12.0	10.2
	37	2.5	15.3	15.1	12.0	10.2
	43	6.0	16.4	16.0	12.0	10.2
	46	7.5	17.0	16.0	12.0	10.2
	50	10.0	17.7	16.0	12.0	10.2
	55	12.5	18.4	16.0	12.0	10.2
60	15.5	18.4	16.0	12.0	10.2	
140 (16.0)	-4	-20.0	9.4	9.0	9.0	8.6
	5	-15.0	10.8	10.8	10.8	10.4
	14	-10.0	12.6	12.6	12.3	11.5
	23	-5.0	14.4	14.4	13.5	11.5
	32	0.0	16.2	16.2	13.5	11.5
	37	2.5	17.2	17.0	13.5	11.5
	43	6.0	18.5	18.0	13.5	11.5
	46	7.5	19.1	18.0	13.5	11.5
	50	10.0	19.9	18.0	13.5	11.5
	55	12.5	20.7	18.0	13.5	11.5
60	15.5	20.7	18.0	13.5	11.5	
200 (22.4)	-4	-20.0	13.0	12.5	12.5	12.0
	5	-15.0	15.0	15.0	15.0	14.5
	14	-10.0	17.5	17.5	17.1	16.0
	23	-5.0	20.0	20.0	18.8	16.0
	32	0.0	22.5	22.5	18.8	16.0
	37	2.5	23.9	23.6	18.8	16.0
	43	6.0	25.6	25.0	18.8	16.0
	46	7.5	26.5	25.0	18.8	16.0
	50	10.0	27.6	25.0	18.8	16.0
	55	12.5	28.8	25.0	18.8	16.0
60	15.5	28.8	25.0	18.8	16.0	
250 (28.0)	-4	-20.0	16.4	15.8	15.8	15.1
	5	-15.0	18.9	18.9	18.9	18.3
	14	-10.0	22.1	22.1	21.6	20.2
	23	-5.0	25.2	25.2	23.6	20.2
	32	0.0	28.4	28.4	23.6	20.2
	37	2.5	30.1	29.8	23.6	20.2
	43	6.0	32.3	31.5	23.6	20.2
	46	7.5	33.4	31.5	23.6	20.2
	50	10.0	34.8	31.5	23.6	20.2
	55	12.5	36.2	31.5	23.6	20.2
60	15.5	36.2	31.5	23.6	20.2	

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

PEFY-P-VML-E,VMH-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	
			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	
	°FDB	°CDB	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	68	20.0	2.1	1.8	2.1	1.9	2.3	1.9	2.4	1.9	2.5	2.0	2.6	2.0	2.8	1.9
	73	22.5	2.1	1.8	2.1	1.9	2.3	1.8	2.3	1.9	2.4	2.0	2.6	2.0	2.7	1.9
	77	25.0	2.0	1.8	2.1	1.8	2.2	1.8	2.3	1.9	2.4	2.0	2.6	1.9	2.7	1.9
	82	27.5	2.0	1.8	2.1	1.8	2.2	1.8	2.3	1.9	2.4	2.0	2.5	1.9	2.6	1.9
	86	30.0	2.0	1.8	2.0	1.8	2.2	1.8	2.3	1.9	2.4	1.9	2.5	1.9	2.7	1.9
	91	32.5	2.0	1.8	2.0	1.8	2.2	1.8	2.2	1.8	2.3	1.9	2.5	1.9	2.6	1.9
	95	35.0	2.0	1.7	2.0	1.8	2.1	1.8	2.2	1.8	2.3	1.9	2.5	1.9	2.6	1.9
	100	37.5	1.9	1.7	2.0	1.8	2.1	1.8	2.2	1.8	2.3	1.9	2.4	1.9	2.6	1.9
	104	40.0	1.9	1.7	1.9	1.8	2.1	1.8	2.1	1.8	2.2	1.9	2.4	1.9	2.6	1.9
110	43.0	1.9	1.7	1.9	1.8	2.1	1.8	2.1	1.8	2.2	1.9	2.4	1.9	2.6	1.9	
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	2.2
	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	2.2
	82	27.5	2.6	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
	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	2.2	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	2.1	2.9	2.2	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	2.6	3.5	2.7	3.7	2.7	3.9	2.7	4.0	2.9	4.2	2.8	4.5	2.8
	73	22.5	3.4	2.6	3.5	2.7	3.7	2.7	3.8	2.7	4.0	2.8	4.2	2.8	4.5	2.8
	77	25.0	3.3	2.6	3.4	2.7	3.7	2.7	3.8	2.7	3.9	2.8	4.2	2.8	4.4	2.8
	82	27.5	3.3	2.6	3.4	2.7	3.6	2.7	3.7	2.7	3.9	2.8	4.1	2.8	4.3	2.7
	86	30.0	3.3	2.6	3.3	2.6	3.6	2.6	3.7	2.7	3.9	2.8	4.1	2.8	4.4	2.7
	91	32.5	3.2	2.6	3.3	2.6	3.5	2.6	3.6	2.7	3.8	2.8	4.1	2.8	4.3	2.7
	95	35.0	3.2	2.5	3.3	2.6	3.5	2.6	3.6	2.6	3.7	2.8	4.0	2.7	4.3	2.7
	100	37.5	3.2	2.5	3.2	2.6	3.5	2.6	3.5	2.6	3.7	2.8	4.0	2.7	4.2	2.7
	104	40.0	3.1	2.5	3.2	2.6	3.4	2.6	3.5	2.6	3.7	2.7	4.0	2.7	4.2	2.7
110	43.0	3.1	2.5	3.2	2.6	3.4	2.5	3.5	2.6	3.6	2.7	3.9	2.7	4.2	2.7	
40 (4.5)	68	20.0	4.3	3.2	4.4	3.3	4.7	3.3	4.8	3.4	5.0	3.5	5.3	3.5	5.7	3.4
	73	22.5	4.2	3.2	4.3	3.3	4.6	3.3	4.8	3.4	5.0	3.5	5.3	3.5	5.6	3.4
	77	25.0	4.2	3.2	4.3	3.3	4.6	3.3	4.7	3.3	4.9	3.5	5.2	3.4	5.6	3.4
	82	27.5	4.1	3.2	4.2	3.3	4.5	3.3	4.7	3.3	4.9	3.5	5.2	3.4	5.4	3.3
	86	30.0	4.1	3.2	4.2	3.2	4.5	3.2	4.6	3.3	4.8	3.4	5.1	3.4	5.4	3.4
	91	32.5	4.1	3.1	4.1	3.2	4.4	3.2	4.5	3.3	4.8	3.4	5.1	3.4	5.4	3.3
	95	35.0	4.0	3.1	4.1	3.2	4.4	3.2	4.5	3.2	4.7	3.4	5.0	3.4	5.4	3.3
	100	37.5	4.0	3.1	4.0	3.2	4.3	3.2	4.4	3.2	4.7	3.4	5.0	3.3	5.3	3.3
	104	40.0	3.9	3.1	4.0	3.2	4.3	3.2	4.4	3.2	4.6	3.3	5.0	3.3	5.3	3.3
110	43.0	3.9	3.1	3.9	3.1	4.2	3.1	4.3	3.2	4.5	3.3	4.9	3.3	5.2	3.3	
50 (5.6)	68	20.0	5.3	3.8	5.5	3.9	5.8	3.9	6.0	3.9	6.2	4.1	6.6	4.0	7.1	4.0
	73	22.5	5.3	3.8	5.4	3.9	5.8	3.9	5.9	3.9	6.2	4.1	6.6	4.0	7.0	4.0
	77	25.0	5.2	3.8	5.3	3.8	5.7	3.8	5.9	3.9	6.1	4.0	6.5	4.0	6.9	3.9
	82	27.5	5.2	3.7	5.3	3.8	5.7	3.8	5.8	3.8	6.0	4.0	6.4	4.0	6.7	3.9
	86	30.0	5.1	3.7	5.2	3.8	5.6	3.8	5.8	3.8	6.0	4.0	6.4	3.9	6.8	3.9
	91	32.5	5.0	3.7	5.2	3.8	5.5	3.7	5.7	3.8	5.9	4.0	6.3	3.9	6.7	3.9
	95	35.0	5.0	3.6	5.1	3.7	5.5	3.7	5.6	3.7	5.8	3.9	6.3	3.9	6.7	3.8
	100	37.5	4.9	3.6	5.0	3.7	5.4	3.7	5.5	3.7	5.8	3.9	6.2	3.9	6.6	3.8
	104	40.0	4.8	3.6	5.0	3.7	5.3	3.7	5.4	3.7	5.7	3.9	6.2	3.9	6.6	3.8
110	43.0	4.8	3.6	4.9	3.6	5.3	3.6	5.4	3.7	5.7	3.8	6.0	3.8	6.5	3.8	
63 (7.1)	68	20.0	6.7	5.0	6.9	5.1	7.4	5.1	7.6	5.2	7.9	5.4	8.4	5.3	8.9	5.3
	73	22.5	6.7	5.0	6.9	5.1	7.3	5.1	7.5	5.1	7.8	5.4	8.3	5.3	8.8	5.2
	77	25.0	6.6	4.9	6.8	5.1	7.2	5.0	7.5	5.1	7.7	5.3	8.2	5.3	8.8	5.2
	82	27.5	6.5	4.9	6.7	5.0	7.2	5.0	7.4	5.1	7.7	5.3	8.2	5.2	8.5	5.1
	86	30.0	6.5	4.9	6.6	5.0	7.1	5.0	7.3	5.1	7.6	5.3	8.1	5.2	8.6	5.1
	91	32.5	6.4	4.8	6.5	5.0	7.0	4.9	7.2	5.0	7.5	5.2	8.0	5.2	8.5	5.1
	95	35.0	6.3	4.8	6.4	4.9	6.9	4.9	7.1	5.0	7.4	5.2	8.0	5.2	8.4	5.1
	100	37.5	6.2	4.8	6.4	4.9	6.8	4.9	7.0	4.9	7.3	5.2	7.8	5.1	8.4	5.1
	104	40.0	6.1	4.7	6.3	4.8	6.8	4.8	6.9	4.9	7.2	5.1	7.8	5.1	8.3	5.0
110	43.0	6.1	4.7	6.2	4.8	6.7	4.8	6.8	4.8	7.2	5.1	7.7	5.1	8.2	5.0	
71 (8.0)	68	20.0	7.6	5.6	7.8	5.7	8.3	5.7	8.6	5.8	8.9	6.0	9.4	5.9	10.1	5.9
	73	22.5	7.5	5.6	7.7	5.7	8.2	5.7	8.5	5.7	8.8	6.0	9.4	5.9	10.0	5.8
	77	25.0	7.4	5.5	7.6	5.7	8.2	5.6	8.4	5.7	8.7	5.9	9.3	5.9	9.9	5.8
	82	27.5	7.4	5.5	7.5	5.6	8.1	5.6	8.3	5.7	8.6	5.9	9.2	5.9	9.6	5.7
	86	30.0	7.3	5.4	7.4	5.6	8.0	5.6	8.2	5.6	8.6	5.9	9.1	5.8	9.7	5.7
	91	32.5	7.2	5.4	7.4	5.5	7.8	5.5	8.1	5.6	8.5	5.8	9.0	5.8	9.6	5.7
	95	35.0	7.1	5.4	7.2	5.5	7.8	5.5	8.0	5.5	8.3	5.8	9.0	5.8	9.5	5.7
	100	37.5	7.0	5.3	7.2	5.4	7.7	5.4	7.9	5.5	8.3	5.8	8.8	5.7	9.4	5.6
	104	40.0	6.9	5.3	7.1	5.4	7.6	5.4	7.8	5.4	8.2	5.7	8.8	5.7	9.4	5.6
110	43.0	6.9	5.2	7.0	5.4	7.5	5.3	7.7	5.4	8.1	5.7	8.6	5.6	9.3	5.6	

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

## 2. CAPACITY TABLES

R410A Data G2

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

PEFY-P-VML-E,VMH-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	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
80 (9.0)	68	20.0	8.5	6.3	8.8	6.5	9.4	6.5	9.6	6.5	10.0	6.8	10.6	6.7	11.3	6.7
	73	22.5	8.5	6.3	8.7	6.5	9.3	6.4	9.5	6.5	9.9	6.8	10.6	6.7	11.2	6.6
	77	25.0	8.4	6.2	8.6	6.4	9.2	6.4	9.5	6.5	9.8	6.7	10.4	6.7	11.1	6.6
	82	27.5	8.3	6.2	8.5	6.3	9.1	6.3	9.4	6.4	9.7	6.7	10.4	6.6	10.8	6.5
	86	30.0	8.2	6.2	8.4	6.3	9.0	6.3	9.3	6.4	9.6	6.7	10.3	6.6	10.9	6.5
	91	32.5	8.1	6.1	8.3	6.3	8.8	6.2	9.1	6.3	9.5	6.6	10.2	6.6	10.8	6.5
	95	35.0	8.0	6.1	8.1	6.2	8.8	6.2	9.0	6.3	9.4	6.5	10.1	6.5	10.7	6.4
	100	37.5	7.9	6.0	8.1	6.2	8.6	6.1	8.9	6.2	9.3	6.5	9.9	6.5	10.6	6.4
100 (11.2)	104	40.0	7.8	6.0	8.0	6.1	8.6	6.1	8.7	6.2	9.2	6.5	9.9	6.4	10.5	6.4
	110	43.0	7.7	5.9	7.9	6.1	8.5	6.1	8.6	6.1	9.1	6.4	9.7	6.4	10.4	6.3
	68	20.0	10.6	8.5	10.9	8.8	11.6	8.7	12.0	8.9	12.5	9.3	13.2	9.2	14.1	9.1
	73	22.5	10.5	8.5	10.8	8.7	11.5	8.7	11.9	8.8	12.3	9.2	13.2	9.1	13.9	9.0
	77	25.0	10.4	8.4	10.7	8.7	11.4	8.6	11.8	8.8	12.2	9.2	13.0	9.1	13.8	9.0
	82	27.5	10.3	8.4	10.5	8.6	11.3	8.6	11.6	8.7	12.1	9.1	12.9	9.0	13.4	8.8
	86	30.0	10.2	8.3	10.4	8.6	11.2	8.5	11.5	8.7	12.0	9.1	12.8	9.0	13.6	8.9
	91	32.5	10.1	8.3	10.3	8.5	11.0	8.4	11.3	8.6	11.9	9.0	12.7	9.0	13.4	8.8
125 (14.0)	95	35.0	10.0	8.2	10.1	8.4	10.9	8.4	11.2	8.6	11.6	9.0	12.5	8.9	13.3	8.8
	100	37.5	9.9	8.2	10.0	8.4	10.8	8.3	11.0	8.5	11.6	8.9	12.4	8.9	13.2	8.8
	104	40.0	9.7	8.1	9.9	8.3	10.7	8.3	10.9	8.4	11.4	8.9	12.3	8.8	13.1	8.7
	110	43.0	9.6	8.1	9.8	8.3	10.5	8.2	10.8	8.4	11.3	8.8	12.1	8.8	13.0	8.7
	68	20.0	13.2	9.8	13.7	10.1	14.6	10.0	15.0	10.1	15.6	10.6	16.5	10.4	17.6	10.3
	73	22.5	13.2	9.8	13.5	10.0	14.4	9.9	14.8	10.1	15.4	10.5	16.5	10.4	17.4	10.2
	77	25.0	13.0	9.7	13.4	9.9	14.3	9.9	14.7	10.0	15.3	10.4	16.2	10.3	17.3	10.2
	82	27.5	12.9	9.6	13.2	9.8	14.1	9.8	14.6	10.0	15.1	10.4	16.1	10.3	16.8	10.0
140 (16.0)	86	30.0	12.7	9.5	13.0	9.8	14.0	9.8	14.4	9.9	15.0	10.3	16.0	10.2	16.9	10.1
	91	32.5	12.6	9.5	12.9	9.7	13.7	9.6	14.1	9.8	14.8	10.3	15.8	10.2	16.8	10.0
	95	35.0	12.5	9.4	12.7	9.6	13.7	9.6	14.0	9.7	14.6	10.1	15.7	10.1	16.7	10.0
	100	37.5	12.3	9.3	12.6	9.6	13.4	9.5	13.8	9.6	14.5	10.1	15.5	10.0	16.5	9.9
	104	40.0	12.1	9.2	12.4	9.5	13.4	9.5	13.6	9.5	14.3	10.0	15.4	10.0	16.4	9.9
	110	43.0	12.0	9.2	12.3	9.4	13.2	9.4	13.4	9.5	14.1	10.0	15.1	9.9	16.2	9.8
	68	20.0	15.1	11.2	15.6	11.5	16.6	11.4	17.1	11.6	17.8	12.1	18.9	11.9	20.2	11.8
	73	22.5	15.0	11.2	15.4	11.4	16.5	11.4	17.0	11.5	17.6	12.0	18.8	11.9	19.9	11.7
200 (22.4)	77	25.0	14.9	11.1	15.3	11.4	16.3	11.3	16.8	11.5	17.4	11.9	18.6	11.8	19.8	11.7
	82	27.5	14.7	11.0	15.0	11.2	16.2	11.2	16.6	11.4	17.3	11.9	18.4	11.7	19.2	11.4
	86	30.0	14.6	10.9	14.9	11.2	16.0	11.2	16.5	11.3	17.1	11.8	18.2	11.7	19.4	11.5
	91	32.5	14.4	10.8	14.7	11.1	15.7	11.0	16.2	11.2	17.0	11.7	18.1	11.6	19.2	11.4
	95	35.0	14.2	10.8	14.5	11.0	15.6	11.0	16.0	11.1	16.6	11.6	17.9	11.6	19.0	11.4
	100	37.5	14.1	10.7	14.4	10.9	15.4	10.9	15.8	11.0	16.6	11.6	17.7	11.5	18.9	11.3
	104	40.0	13.8	10.6	14.2	10.8	15.3	10.8	15.5	10.9	16.3	11.5	17.6	11.4	18.7	11.3
	110	43.0	13.8	10.5	14.0	10.8	15.0	10.7	15.4	10.8	16.2	11.4	17.3	11.3	18.6	11.2
250 (28.0)	68	20.0	21.2	16.0	21.8	16.5	23.3	16.4	24.0	16.6	25.0	17.4	26.4	17.1	28.2	17.0
	73	22.5	21.1	16.0	21.6	16.4	23.1	16.3	23.7	16.6	24.6	17.3	26.3	17.1	27.9	16.8
	77	25.0	20.8	15.9	21.4	16.3	22.8	16.2	23.5	16.5	24.4	17.2	26.0	17.0	27.7	16.8
	82	27.5	20.6	15.8	21.1	16.2	22.6	16.1	23.3	16.4	24.2	17.1	25.8	16.9	26.9	16.5
	86	30.0	20.4	15.7	20.8	16.0	22.4	16.0	23.1	16.3	24.0	17.0	25.5	16.8	27.1	16.6
	91	32.5	20.2	15.5	20.6	15.9	22.0	15.8	22.6	16.1	23.7	16.9	25.3	16.7	26.9	16.5
	95	35.0	19.9	15.4	20.3	15.8	21.8	15.8	22.4	16.0	23.3	16.7	25.1	16.6	26.7	16.4
	100	37.5	19.7	15.3	20.1	15.7	21.5	15.6	22.1	15.9	23.2	16.7	24.8	16.5	26.4	16.3
250 (28.0)	104	40.0	19.4	15.2	19.8	15.6	21.4	15.6	21.7	15.7	22.8	16.5	24.6	16.5	26.2	16.2
	110	43.0	19.3	15.1	19.6	15.5	21.1	15.4	21.5	15.6	22.6	16.4	24.2	16.3	26.0	16.2
	68	20.0	26.5	19.9	27.3	20.5	29.1	20.4	30.0	20.7	31.2	21.6	33.0	21.3	35.3	21.1
	73	22.5	26.3	19.9	27.0	20.4	28.8	20.3	29.7	20.6	30.8	21.4	32.9	21.3	34.9	20.9
	77	25.0	26.0	19.7	26.7	20.3	28.6	20.2	29.4	20.5	30.5	21.3	32.5	21.1	34.6	20.8
	82	27.5	25.8	19.6	26.3	20.1	28.3	20.0	29.1	20.3	30.2	21.2	32.2	21.0	33.6	20.5
	86	30.0	25.5	19.5	26.0	19.9	28.0	19.9	28.8	20.2	30.0	21.1	31.9	20.9	33.9	20.6
	91	32.5	25.2	19.3	25.8	19.8	27.4	19.7	28.3	20.0	29.7	21.0	31.6	20.8	33.6	20.5
250 (28.0)	95	35.0	24.9	19.2	25.3	19.6	27.3	19.6	28.0	19.9	29.1	20.8	31.4	20.7	33.3	20.4
	100	37.5	24.6	19.1	25.1	19.5	26.9	19.4	27.6	19.7	29.0	20.7	30.9	20.5	33.0	20.3
	104	40.0	24.2	18.8	24.8	19.4	26.7	19.4	27.2	19.5	28.6	20.5	30.8	20.4	32.8	20.2
	110	43.0	24.1	18.8	24.5	19.2	26.3	19.2	26.9	19.4	28.3	20.4	30.2	20.2	32.5	20.1

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

PEFY-P-VML-E,VMH-E

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB	68 °FDB	77 °FDB	81 °FDB
			15.0°CDB	20.0°CDB	25.0°CDB	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	1.7	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	
71 (8.0)	-4	-20.0	4.8	4.6	4.6	4.5
	5	-15.0	5.6	5.4	5.4	5.2
	14	-10.0	6.5	6.3	6.1	5.9
	23	-5.0	7.4	7.2	6.9	6.3
	32	0.0	8.3	8.1	7.2	6.3
	37	2.5	8.6	8.6	7.2	6.3
	43	6.0	9.3	9.0	7.2	6.3
	46	7.5	9.5	9.0	7.2	6.3
	50	10.0	10.0	9.0	7.2	6.3
	55	12.5	10.4	9.0	7.2	6.3
60	15.5	10.4	9.0	7.2	6.3	

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB	68 °FDB	77 °FDB	81 °FDB
			15.0°CDB	20.0°CDB	25.0°CDB	27.0°CDB
	*FWB	*CWB	SHC	SHC	SHC	SHC
80 (9.0)	-4	-20.0	5.3	5.1	5.1	5.0
	5	-15.0	6.3	6.1	6.0	5.8
	14	-10.0	7.2	7.0	6.8	6.6
	23	-5.0	8.2	8.0	7.7	7.1
	32	0.0	9.2	9.0	8.0	7.1
	37	2.5	9.6	9.5	8.0	7.1
	43	6.0	10.3	10.0	8.0	7.1
	46	7.5	10.6	10.0	8.0	7.1
	50	10.0	11.1	10.0	8.0	7.1
	55	12.5	11.6	10.0	8.0	7.1
60	15.5	11.6	10.0	8.0	7.1	
100 (11.2)	-4	-20.0	6.6	6.4	6.4	6.3
	5	-15.0	7.8	7.6	7.5	7.3
	14	-10.0	9.0	8.8	8.5	8.3
	23	-5.0	10.3	10.0	9.6	8.8
	32	0.0	11.5	11.3	9.9	8.8
	37	2.5	12.0	11.9	9.9	8.8
	43	6.0	12.9	12.5	9.9	8.8
	46	7.5	13.3	12.5	9.9	8.8
	50	10.0	13.9	12.5	9.9	8.8
	55	12.5	14.5	12.5	9.9	8.8
60	15.5	14.5	12.5	9.9	8.8	
125 (14.0)	-4	-20.0	8.5	8.2	8.2	8.0
	5	-15.0	10.0	9.7	9.6	9.3
	14	-10.0	11.5	11.2	10.9	10.6
	23	-5.0	13.1	12.8	12.3	11.3
	32	0.0	14.7	14.4	12.7	11.3
	37	2.5	15.4	15.2	12.7	11.3
	43	6.0	16.5	16.0	12.7	11.3
	46	7.5	17.0	16.0	12.7	11.3
	50	10.0	17.8	16.0	12.7	11.3
	55	12.5	18.6	16.0	12.7	11.3
60	15.5	18.6	16.0	12.7	11.3	
140 (16.0)	-4	-20.0	9.5	9.2	9.2	9.0
	5	-15.0	11.3	10.9	10.8	10.4
	14	-10.0	13.0	12.6	12.2	11.9
	23	-5.0	14.8	14.4	13.9	12.7
	32	0.0	16.6	16.2	14.3	12.7
	37	2.5	17.3	17.1	14.3	12.7
	43	6.0	18.5	18.0	14.3	12.7
	46	7.5	19.1	18.0	14.3	12.7
	50	10.0	20.0	18.0	14.3	12.7
	55	12.5	20.9	18.0	14.3	12.7
60	15.5	20.9	18.0	14.3	12.7	
200 (22.4)	-4	-20.0	13.3	12.8	12.8	12.5
	5	-15.0	15.6	15.1	15.0	14.5
	14	-10.0	18.0	17.5	17.0	16.5
	23	-5.0	20.5	20.0	19.3	17.6
	32	0.0	23.0	22.5	19.9	17.6
	37	2.5	24.0	23.8	19.9	17.6
	43	6.0	25.8	25.0	19.9	17.6
	46	7.5	26.5	25.0	19.9	17.6
	50	10.0	27.8	25.0	19.9	17.6
	55	12.5	29.0	25.0	19.9	17.6
60	15.5	29.0	25.0	19.9	17.6	
250 (28.0)	-4	-20.0	16.7	16.1	16.1	15.8
	5	-15.0	19.7	19.1	18.9	18.3
	14	-10.0	22.7	22.1	21.4	20.8
	23	-5.0	25.8	25.2	24.3	22.2
	32	0.0	29.0	28.4	25.0	22.2
	37	2.5	30.2	29.9	25.0	22.2
	43	6.0	32.4	31.5	25.0	22.2
	46	7.5	33.4	31.5	25.0	22.2
	50	10.0	35.0	31.5	25.0	22.2
	55	12.5	36.5	31.5	25.0	22.2
60	15.5	36.5	31.5	25.0	22.2	

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



# 2. CAPACITY TABLES

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

PEFY-P-VML-E,VMH-E

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

Model size (Rated kW)	Water 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	
	°F	°C	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	50	10.0	2.2	1.8	2.3	1.9	2.4	1.9	2.5	1.9	2.6	2.0	2.7	2.0	2.9	2.0
	68	20.0	2.1	1.8	2.1	1.9	2.3	1.9	2.4	1.9	2.4	2.0	2.6	2.0	2.7	1.9
	86	30.0	1.9	1.7	2.0	1.8	2.1	1.8	2.2	1.8	2.3	1.9	2.4	1.9	2.5	1.9
	104	40.0	1.7	1.6	1.8	1.7	1.9	1.7	2.0	1.8	2.1	1.8	2.2	1.8	2.3	1.8
	113	45.0	1.6	1.6	1.7	1.7	1.8	1.7	1.9	1.7	1.9	1.8	2.0	1.8	2.2	1.7
25 (2.8)	50	10.0	2.8	2.2	2.9	2.3	3.1	2.2	3.2	2.3	3.3	2.4	3.5	2.3	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	2.2
	86	30.0	2.5	2.0	2.5	2.1	2.7	2.1	2.8	2.1	2.9	2.2	3.1	2.2	3.2	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	2.7	3.7	2.8	3.9	2.8	4.1	2.8	4.2	2.9	4.5	2.9	4.7	2.9
	68	20.0	3.4	2.6	3.5	2.7	3.7	2.7	3.9	2.7	4.0	2.9	4.2	2.8	4.5	2.8
	86	30.0	3.2	2.5	3.3	2.6	3.5	2.6	3.6	2.6	3.7	2.7	3.9	2.7	4.2	2.7
	104	40.0	2.9	2.4	3.0	2.5	3.2	2.5	3.3	2.5	3.4	2.6	3.6	2.6	3.8	2.5
	113	45.0	2.7	2.3	2.8	2.4	3.0	2.4	3.0	2.4	3.1	2.5	3.3	2.5	3.5	2.5
40 (4.5)	50	10.0	4.5	3.3	4.6	3.5	4.9	3.4	5.1	3.5	5.2	3.6	5.6	3.6	5.9	3.5
	68	20.0	4.2	3.2	4.4	3.3	4.7	3.3	4.8	3.4	5.0	3.5	5.3	3.5	5.6	3.4
	86	30.0	3.9	3.1	4.1	3.2	4.4	3.2	4.5	3.2	4.6	3.4	4.9	3.3	5.2	3.3
	104	40.0	3.6	2.9	3.7	3.0	3.9	3.0	4.1	3.1	4.2	3.2	4.5	3.2	4.7	3.1
	113	45.0	3.3	2.8	3.5	2.9	3.7	2.9	3.8	3.0	3.9	3.1	4.2	3.0	4.4	3.0
50 (5.6)	50	10.0	5.5	3.9	5.7	4.0	6.1	4.0	6.3	4.1	6.5	4.2	6.9	4.2	7.3	4.1
	68	20.0	5.3	3.8	5.4	3.9	5.8	3.9	6.0	3.9	6.2	4.1	6.6	4.0	6.9	3.9
	86	30.0	4.9	3.6	5.1	3.7	5.4	3.7	5.6	3.7	5.8	3.9	6.1	3.8	6.5	3.8
	104	40.0	4.4	3.4	4.6	3.5	4.9	3.5	5.1	3.5	5.2	3.7	5.5	3.6	5.9	3.5
	113	45.0	4.2	3.2	4.3	3.3	4.6	3.3	4.7	3.4	4.9	3.5	5.2	3.5	5.5	3.4
63 (7.1)	50	10.0	7.0	5.2	7.3	5.3	7.8	5.3	8.0	5.4	8.3	5.6	8.8	5.5	9.3	5.4
	68	20.0	6.7	5.0	6.9	5.1	7.4	5.1	7.6	5.2	7.8	5.4	8.3	5.3	8.8	5.2
	86	30.0	6.2	4.8	6.4	4.9	6.9	4.9	7.1	5.0	7.3	5.2	7.8	5.1	8.2	5.0
	104	40.0	5.6	4.5	5.8	4.6	6.2	4.6	6.4	4.7	6.6	4.9	7.0	4.8	7.4	4.7
	113	45.0	5.3	4.3	5.4	4.5	5.8	4.4	6.0	4.5	6.2	4.7	6.6	4.6	6.9	4.6
71 (8.0)	50	10.0	7.9	5.8	8.2	5.9	8.8	5.9	9.0	6.0	9.3	6.2	9.9	6.1	10.5	6.0
	68	20.0	7.5	5.6	7.8	5.7	8.3	5.7	8.6	5.8	8.8	6.0	9.4	5.9	9.9	5.8
	86	30.0	7.0	5.3	7.3	5.5	7.8	5.4	8.0	5.5	8.2	5.7	8.7	5.7	9.2	5.6
	104	40.0	6.3	5.0	6.6	5.2	7.0	5.1	7.2	5.2	7.5	5.4	7.9	5.4	8.4	5.3
	113	45.0	5.9	4.8	6.1	5.0	6.6	4.9	6.8	5.0	7.0	5.2	7.4	5.2	7.8	5.1
80 (9.0)	50	10.0	8.9	6.5	9.2	6.7	9.9	6.7	10.2	6.8	10.5	7.0	11.1	6.9	11.8	6.8
	68	20.0	8.5	6.3	8.8	6.5	9.3	6.4	9.6	6.5	9.9	6.8	10.5	6.7	11.2	6.6
	86	30.0	7.9	6.0	8.2	6.2	8.7	6.2	9.0	6.3	9.3	6.5	9.8	6.4	10.4	6.3
	104	40.0	7.1	5.6	7.4	5.8	7.9	5.8	8.1	5.9	8.4	6.2	8.9	6.1	9.4	6.0
	113	45.0	6.7	5.4	6.9	5.6	7.4	5.6	7.6	5.7	7.9	5.9	8.3	5.9	8.8	5.8
100 (11.2)	50	10.0	11.1	8.7	11.5	9.0	12.3	9.0	12.7	9.2	13.1	9.5	13.8	9.4	14.6	9.2
	68	20.0	10.5	8.5	10.9	8.8	11.6	8.7	12.0	8.9	12.4	9.2	13.1	9.1	13.9	9.0
	86	30.0	9.8	8.1	10.2	8.4	10.9	8.4	11.2	8.6	11.5	8.9	12.2	8.8	12.9	8.7
	104	40.0	8.9	7.7	9.2	8.0	9.8	8.0	10.1	8.1	10.5	8.5	11.1	8.4	11.7	8.3
	113	45.0	8.3	7.4	8.6	7.7	9.2	7.7	9.5	7.9	9.8	8.2	10.4	8.1	11.0	8.0
125 (14.0)	50	10.0	13.9	10.1	14.4	10.4	15.3	10.4	15.8	10.5	16.3	10.9	17.3	10.7	18.3	10.6
	68	20.0	13.1	9.8	13.6	10.1	14.5	10.0	15.0	10.1	15.5	10.5	16.4	10.4	17.3	10.2
	86	30.0	12.3	9.3	12.7	9.6	13.6	9.6	14.0	9.7	14.4	10.1	15.3	10.0	16.2	9.8
	104	40.0	11.1	8.8	11.5	9.1	12.3	9.0	12.7	9.2	13.1	9.5	13.8	9.4	14.6	9.3
	113	45.0	10.4	8.4	10.7	8.7	11.5	8.7	11.8	8.8	12.2	9.2	12.9	9.1	13.7	8.9
140 (16.0)	50	10.0	15.9	11.6	16.4	11.9	17.5	11.9	18.1	12.0	18.7	12.5	19.8	12.3	20.9	12.1
	68	20.0	15.0	11.1	15.6	11.5	16.6	11.4	17.2	11.6	17.7	12.0	18.7	11.9	19.8	11.7
	86	30.0	14.0	10.6	14.5	11.0	15.5	10.9	16.0	11.1	16.5	11.5	17.5	11.4	18.5	11.2
	104	40.0	12.7	10.0	13.1	10.4	14.0	10.3	14.5	10.5	14.9	10.9	15.8	10.8	16.7	10.6
	113	45.0	11.9	9.6	12.3	10.0	13.1	9.9	13.5	10.1	14.0	10.5	14.8	10.4	15.6	10.2
200 (22.4)	50	10.0	22.2	16.5	23.0	17.1	24.5	17.0	25.3	17.2	26.1	17.9	27.7	17.6	29.3	17.3
	68	20.0	21.0	16.0	21.8	16.5	23.3	16.4	24.0	16.7	24.8	17.3	26.2	17.1	27.8	16.8
	86	30.0	19.6	15.3	20.3	15.8	21.7	15.7	22.4	16.0	23.1	16.6	24.5	16.4	25.9	16.1
	104	40.0	17.8	14.4	18.4	14.9	19.6	14.8	20.3	15.1	20.9	15.7	22.2	15.5	23.4	15.3
	113	45.0	16.6	13.9	17.2	14.4	18.4	14.3	19.0	14.6	19.5	15.2	20.7	15.0	21.9	14.8
250 (28.0)	50	10.0	27.7	20.6	28.7	21.2	30.7	21.1	31.7	21.4	32.6	22.2	34.6	21.9	36.6	21.6
	68	20.0	26.3	19.9	27.2	20.5	29.1	20.4	30.0	20.7	30.9	21.5	32.8	21.2	34.7	20.9
	86	30.0	24.5	19.0	25.4	19.6	27.1	19.5	28.0	19.9	28.9	20.6	30.6	20.4	32.4	20.0
	104	40.0	22.2	17.9	23.0	18.5	24.6	18.4	25.3	18.8	26.1	19.5	27.7	19.3	29.3	19.0
	113	45.0	20.8	17.2	21.5	17.8	23.0	17.7	23.7	18.1	24.4	18.9	25.9	18.6	27.4	18.3

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

PEFY-P-VML-E,VMH-E

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Water temp.		Indoor air temp. : °CDB				
			59 °FDB	66 °FDB	68 °FDB	77 °FDB	81 °FDB
			15.0°CDB	19.0°CDB	20.0°CDB	25.0°CDB	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
71 (8.0)	50	10	7.1	7.1	7.1	6.0	5.5
	68	20	9.0	9.0	9.0	7.6	7.0
	86	30	9.0	9.0	9.0	7.6	7.0
	104	40	9.0	9.0	9.0	7.6	7.0
	113	45	9.0	9.0	9.0	7.6	7.0
80 (9.0)	50	10	7.9	7.9	7.9	6.7	6.1
	68	20	10.0	10.0	10.0	8.5	7.7
	86	30	10.0	10.0	10.0	8.5	7.7
	104	40	10.0	10.0	10.0	8.5	7.7
	113	45	10.0	10.0	10.0	8.5	7.7
100 (11.2)	50	10	9.9	9.9	9.9	8.4	7.7
	68	20	12.5	12.5	12.5	10.6	9.7
	86	30	12.5	12.5	12.5	10.6	9.7
	104	40	12.5	12.5	12.5	10.6	9.7
	113	45	12.5	12.5	12.5	10.6	9.7
125 (14.0)	50	10	12.7	12.7	12.7	10.7	9.8
	68	20	16.0	16.0	16.0	13.6	12.4
	86	30	16.0	16.0	16.0	13.6	12.4
	104	40	16.0	16.0	16.0	13.6	12.4
	113	45	16.0	16.0	16.0	13.6	12.4
140 (16.0)	50	10	14.2	14.2	14.2	12.1	11.0
	68	20	18.0	18.0	18.0	15.3	13.9
	86	30	18.0	18.0	18.0	15.3	13.9
	104	40	18.0	18.0	18.0	15.3	13.9
	113	45	18.0	18.0	18.0	15.3	13.9
200 (22.4)	50	10	19.8	19.8	19.8	16.8	15.3
	68	20	25.0	25.0	25.0	21.2	19.4
	86	30	25.0	25.0	25.0	21.2	19.4
	104	40	25.0	25.0	25.0	21.2	19.4
	113	45	25.0	25.0	25.0	21.2	19.4
250 (28.0)	50	10	24.9	24.9	24.9	21.2	19.3
	68	20	31.5	31.5	31.5	26.7	24.4
	86	30	31.5	31.5	31.5	26.7	24.4
	104	40	31.5	31.5	31.5	26.7	24.4
	113	45	31.5	31.5	31.5	26.7	24.4

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

PEFY-P-VML-E,VMH-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	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	68	20.0	2.1	1.8	2.2	1.8	2.3	1.9	2.4	2.0	2.4	2.0	2.6	2.0	2.7	2.0
	73	22.5	2.1	1.8	2.1	1.8	2.3	1.8	2.3	1.9	2.4	1.9	2.5	2.0	2.7	1.9
	77	25.0	2.0	1.7	2.1	1.8	2.2	1.8	2.3	1.9	2.4	1.9	2.5	1.9	2.6	1.9
	82	27.5	2.0	1.7	2.1	1.8	2.2	1.8	2.3	1.9	2.3	1.9	2.5	1.9	2.6	1.9
	86	30.0	2.0	1.7	2.0	1.7	2.2	1.8	2.2	1.9	2.3	1.9	2.4	1.9	2.6	1.9
	91	32.5	1.9	1.7	2.0	1.7	2.1	1.7	2.2	1.8	2.3	1.9	2.4	1.9	2.6	1.9
	95	35.0	1.9	1.6	2.0	1.7	2.1	1.7	2.2	1.8	2.2	1.8	2.4	1.8	2.5	1.9
	100	37.5	1.9	1.6	1.9	1.6	2.1	1.7	2.1	1.8	2.2	1.8	2.4	1.8	2.5	1.8
	104	40.0	1.8	1.6	1.9	1.6	2.0	1.7	2.1	1.8	2.2	1.8	2.3	1.8	2.5	1.8
110	43.0	1.8	1.5	1.8	1.6	2.0	1.6	2.1	1.7	2.1	1.7	2.3	1.8	2.4	1.8	
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	2.1	3.0	2.3	3.0	2.3	3.2	2.3	3.4	2.2
	77	25.0	2.6	2.0	2.7	2.1	2.8	2.1	2.9	2.2	3.0	2.2	3.2	2.2	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	2.0	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	2.1	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	2.1	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	1.8	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	2.6	3.5	2.7	3.7	2.7	3.9	2.8	4.0	2.8	4.2	2.8	4.4	2.8
	73	22.5	3.4	2.5	3.5	2.6	3.7	2.6	3.8	2.8	3.9	2.8	4.1	2.8	4.3	2.8
	77	25.0	3.3	2.5	3.4	2.6	3.7	2.6	3.8	2.8	3.9	2.8	4.1	2.8	4.3	2.7
	82	27.5	3.3	2.5	3.4	2.6	3.6	2.6	3.7	2.7	3.8	2.7	4.0	2.7	4.3	2.7
	86	30.0	3.2	2.4	3.3	2.5	3.6	2.5	3.7	2.7	3.8	2.7	4.0	2.7	4.2	2.7
	91	32.5	3.2	2.4	3.3	2.5	3.5	2.5	3.6	2.7	3.7	2.7	4.0	2.7	4.2	2.6
	95	35.0	3.1	2.3	3.2	2.4	3.5	2.5	3.6	2.6	3.7	2.6	3.9	2.6	4.1	2.6
	100	37.5	3.0	2.3	3.2	2.4	3.4	2.4	3.5	2.6	3.6	2.6	3.9	2.6	4.1	2.6
	104	40.0	3.0	2.2	3.1	2.3	3.3	2.4	3.5	2.5	3.6	2.6	3.8	2.6	4.1	2.6
110	43.0	2.9	2.2	3.0	2.3	3.3	2.3	3.4	2.5	3.5	2.5	3.7	2.5	4.0	2.5	
40 (4.5)	68	20.0	4.3	3.2	4.4	3.3	4.7	3.3	4.8	3.5	5.0	3.5	5.2	3.4	5.5	3.4
	73	22.5	4.2	3.1	4.4	3.2	4.6	3.2	4.8	3.4	4.9	3.4	5.2	3.4	5.4	3.4
	77	25.0	4.2	3.1	4.3	3.2	4.6	3.2	4.7	3.4	4.8	3.4	5.1	3.4	5.4	3.3
	82	27.5	4.1	3.0	4.2	3.1	4.5	3.2	4.6	3.3	4.8	3.3	5.1	3.3	5.3	3.3
	86	30.0	4.1	3.0	4.2	3.1	4.5	3.1	4.6	3.3	4.7	3.3	5.0	3.3	5.3	3.3
	91	32.5	4.0	2.9	4.1	3.0	4.4	3.1	4.5	3.3	4.7	3.3	4.9	3.3	5.2	3.2
	95	35.0	3.9	2.9	4.0	3.0	4.3	3.0	4.5	3.2	4.6	3.2	4.9	3.2	5.2	3.2
	100	37.5	3.8	2.8	3.9	2.9	4.2	3.0	4.4	3.2	4.5	3.2	4.8	3.2	5.1	3.2
	104	40.0	3.7	2.8	3.9	2.9	4.2	2.9	4.3	3.1	4.5	3.1	4.8	3.1	5.1	3.1
110	43.0	3.6	2.7	3.8	2.8	4.1	2.9	4.2	3.0	4.4	3.1	4.7	3.1	5.0	3.1	
50 (5.6)	68	20.0	5.3	3.7	5.5	3.8	5.8	3.8	6.0	4.0	6.2	4.0	6.5	4.0	6.8	3.9
	73	22.5	5.3	3.6	5.4	3.7	5.8	3.7	5.9	4.0	6.1	4.0	6.4	3.9	6.8	3.8
	77	25.0	5.2	3.6	5.3	3.7	5.7	3.7	5.9	3.9	6.0	3.9	6.4	3.9	6.7	3.8
	82	27.5	5.1	3.5	5.3	3.6	5.6	3.6	5.8	3.9	6.0	3.9	6.3	3.8	6.6	3.8
	86	30.0	5.0	3.5	5.2	3.6	5.5	3.6	5.7	3.8	5.9	3.8	6.2	3.8	6.6	3.7
	91	32.5	4.9	3.4	5.1	3.5	5.5	3.5	5.6	3.8	5.8	3.8	6.1	3.7	6.5	3.7
	95	35.0	4.8	3.3	5.0	3.5	5.4	3.5	5.5	3.7	5.7	3.7	6.1	3.7	6.4	3.7
	100	37.5	4.7	3.3	4.9	3.4	5.3	3.4	5.5	3.7	5.6	3.7	6.0	3.7	6.4	3.6
	104	40.0	4.6	3.2	4.8	3.3	5.2	3.4	5.4	3.6	5.6	3.6	5.9	3.6	6.3	3.6
110	43.0	4.5	3.1	4.7	3.2	5.1	3.3	5.3	3.5	5.5	3.5	5.8	3.5	6.2	3.5	
63 (7.1)	68	20.0	6.7	4.8	7.0	5.0	7.4	5.0	7.6	5.3	7.8	5.3	8.2	5.3	8.7	5.2
	73	22.5	6.7	4.8	6.9	4.9	7.3	5.0	7.5	5.2	7.7	5.2	8.1	5.2	8.6	5.1
	77	25.0	6.6	4.7	6.8	4.9	7.2	4.9	7.4	5.2	7.6	5.2	8.1	5.1	8.5	5.1
	82	27.5	6.5	4.7	6.7	4.8	7.1	4.8	7.3	5.1	7.5	5.1	8.0	5.1	8.4	5.0
	86	30.0	6.4	4.6	6.6	4.7	7.0	4.8	7.2	5.1	7.5	5.1	7.9	5.0	8.3	5.0
	91	32.5	6.3	4.5	6.5	4.7	6.9	4.7	7.1	5.0	7.4	5.0	7.8	5.0	8.2	4.9
	95	35.0	6.1	4.4	6.4	4.6	6.8	4.6	7.0	4.9	7.3	4.9	7.7	4.9	8.2	4.9
	100	37.5	6.0	4.3	6.2	4.5	6.7	4.5	6.9	4.8	7.2	4.9	7.6	4.9	8.1	4.8
	104	40.0	5.9	4.2	6.1	4.4	6.6	4.5	6.8	4.8	7.1	4.8	7.5	4.8	8.0	4.8
110	43.0	5.7	4.1	6.0	4.3	6.4	4.4	6.7	4.7	6.9	4.7	7.4	4.7	7.9	4.7	
71 (8.0)	68	20.0	7.6	5.4	7.8	5.6	8.3	5.6	8.6	5.9	8.8	5.9	9.3	5.9	9.8	5.8
	73	22.5	7.5	5.3	7.7	5.5	8.2	5.5	8.5	5.9	8.7	5.8	9.2	5.8	9.7	5.7
	77	25.0	7.4	5.3	7.6	5.4	8.1	5.5	8.4	5.8	8.6	5.8	9.1	5.7	9.6	5.7
	82	27.5	7.3	5.2	7.5	5.4	8.0	5.4	8.3	5.7	8.5	5.7	9.0	5.7	9.5	5.6
	86	30.0	7.2	5.1	7.4	5.3	7.9	5.3	8.2	5.6	8.4	5.6	8.9	5.6	9.4	5.5
	91	32.5	7.1	5.0	7.3	5.2	7.8	5.2	8.0	5.6	8.3	5.6	8.8	5.5	9.3	5.5
	95	35.0	6.9	4.9	7.2	5.1	7.7	5.2	7.9	5.5	8.2	5.5	8.7	5.5	9.2	5.4
	100	37.5	6.8	4.8	7.0	5.0	7.5	5.1	7.8	5.4	8.1	5.4	8.6	5.4	9.1	5.4
	104	40.0	6.6	4.7	6.9	4.9	7.4	5.0	7.7	5.3	7.9	5.3	8.5	5.4	9.0	5.3
110	43.0	6.5	4.6	6.7	4.8	7.3	4.9	7.5	5.2	7.8	5.2	8.3	5.3	8.9	5.2	

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

## 2. CAPACITY TABLES

R410A Data G2

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

PEFY-P-VML-E,VMH-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	
			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	
	°FDB	°CDB	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
80 (9.0)	68	20.0	8.6	6.1	8.8	6.3	9.4	6.3	9.6	6.7	9.9	6.7	10.4	6.7	11.0	6.6
	73	22.5	8.4	6.0	8.7	6.2	9.2	6.3	9.5	6.6	9.8	6.6	10.3	6.6	10.9	6.5
	77	25.0	8.3	6.0	8.6	6.2	9.1	6.2	9.4	6.6	9.7	6.5	10.2	6.5	10.8	6.4
	82	27.5	8.2	5.9	8.5	6.1	9.0	6.1	9.3	6.5	9.6	6.5	10.1	6.4	10.6	6.4
	86	30.0	8.1	5.8	8.4	6.0	8.9	6.0	9.2	6.4	9.5	6.4	10.0	6.4	10.5	6.3
	91	32.5	7.9	5.7	8.2	5.9	8.8	5.9	9.0	6.3	9.3	6.3	9.9	6.3	10.4	6.2
	95	35.0	7.8	5.6	8.1	5.8	8.6	5.8	8.9	6.2	9.2	6.2	9.8	6.2	10.3	6.2
	100	37.5	7.6	5.5	7.9	5.7	8.5	5.7	8.8	6.1	9.1	6.1	9.7	6.1	10.2	6.1
	104	40.0	7.4	5.3	7.7	5.5	8.3	5.6	8.6	6.0	8.9	6.1	9.5	6.1	10.1	6.1
110	43.0	7.3	5.2	7.6	5.4	8.2	5.5	8.5	5.9	8.8	5.9	9.4	6.0	10.0	5.9	
100 (11.2)	68	20.0	10.6	8.4	11.0	8.6	11.6	8.7	12.0	9.2	12.3	9.2	13.0	9.2	13.7	9.1
	73	22.5	10.5	8.2	10.8	8.5	11.5	8.6	11.8	9.1	12.2	9.1	12.9	9.1	13.5	9.0
	77	25.0	10.4	8.1	10.7	8.4	11.4	8.5	11.7	9.0	12.0	9.0	12.7	9.0	13.4	8.9
	82	27.5	10.2	8.0	10.6	8.3	11.2	8.4	11.6	8.8	11.9	8.9	12.6	8.9	13.2	8.8
	86	30.0	10.1	7.9	10.4	8.2	11.1	8.3	11.4	8.7	11.8	8.8	12.4	8.8	13.1	8.7
	91	32.5	9.9	7.8	10.2	8.0	10.9	8.1	11.3	8.6	11.6	8.6	12.3	8.7	13.0	8.6
	95	35.0	9.7	7.6	10.0	7.9	10.7	8.0	11.1	8.5	11.4	8.5	12.2	8.6	12.9	8.6
	100	37.5	9.5	7.4	9.8	7.7	10.6	7.9	10.9	8.4	11.3	8.4	12.0	8.5	12.7	8.5
	104	40.0	9.3	7.3	9.6	7.6	10.4	7.7	10.8	8.2	11.1	8.3	11.9	8.4	12.6	8.4
110	43.0	9.0	7.1	9.4	7.4	10.2	7.6	10.5	8.1	10.9	8.1	11.6	8.2	12.4	8.2	
125 (14.0)	68	20.0	13.3	9.5	13.7	9.8	14.6	9.8	15.0	10.4	15.4	10.4	16.2	10.3	17.1	10.1
	73	22.5	13.1	9.4	13.5	9.7	14.4	9.7	14.8	10.3	15.2	10.3	16.1	10.2	16.9	10.0
	77	25.0	13.0	9.2	13.4	9.5	14.2	9.6	14.6	10.2	15.1	10.1	15.9	10.1	16.7	9.9
	82	27.5	12.8	9.1	13.2	9.4	14.0	9.5	14.5	10.0	14.9	10.0	15.7	10.0	16.6	9.8
	86	30.0	12.6	9.0	13.0	9.3	13.9	9.3	14.3	9.9	14.7	9.9	15.5	9.9	16.4	9.7
	91	32.5	12.3	8.8	12.8	9.1	13.6	9.2	14.1	9.8	14.5	9.8	15.4	9.7	16.2	9.6
	95	35.0	12.1	8.6	12.5	8.9	13.4	9.0	13.9	9.6	14.3	9.6	15.2	9.6	16.1	9.5
	100	37.5	11.8	8.4	12.3	8.8	13.2	8.9	13.7	9.5	14.1	9.5	15.0	9.5	15.9	9.5
	104	40.0	11.6	8.3	12.0	8.6	13.0	8.7	13.4	9.3	13.9	9.4	14.8	9.4	15.8	9.4
110	43.0	11.3	8.1	11.8	8.4	12.7	8.6	13.2	9.1	13.6	9.2	14.6	9.2	15.5	9.2	
140 (16.0)	68	20.0	14.7	10.5	15.2	10.8	16.1	10.9	16.6	11.5	17.1	11.5	18.0	11.4	18.9	11.2
	73	22.5	14.5	10.4	15.0	10.7	15.9	10.7	16.4	11.4	16.9	11.4	17.8	11.3	18.7	11.1
	77	25.0	14.3	10.2	14.8	10.6	15.7	10.6	16.2	11.2	16.7	11.2	17.6	11.2	18.5	11.0
	82	27.5	14.1	10.1	14.6	10.4	15.5	10.5	16.0	11.1	16.5	11.1	17.4	11.0	18.3	10.9
	86	30.0	14.0	10.0	14.4	10.3	15.3	10.3	15.8	11.0	16.3	11.0	17.2	10.9	18.1	10.8
	91	32.5	13.7	9.8	14.1	10.1	15.1	10.2	15.6	10.8	16.1	10.8	17.0	10.8	18.0	10.7
	95	35.0	13.4	9.6	13.9	9.9	14.9	10.0	15.3	10.6	15.8	10.7	16.8	10.7	17.8	10.6
	100	37.5	13.1	9.4	13.6	9.7	14.6	9.8	15.1	10.5	15.6	10.5	16.6	10.5	17.6	10.5
	104	40.0	12.8	9.1	13.3	9.5	14.4	9.7	14.9	10.3	15.4	10.4	16.4	10.4	17.5	10.4
110	43.0	12.5	8.9	13.0	9.3	14.1	9.5	14.6	10.1	15.1	10.2	16.1	10.2	17.2	10.2	

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

PEFY-P-VML-E,VMH-E

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB	68 °FDB	77 °FDB	81 °FDB
			15.0°CDB	20.0°CDB	25.0°CDB	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	
71 (8.0)	-4	-20.0	5.9	5.7	5.4	5.3
	5	-15.0	6.3	6.0	5.9	5.8
	14	-10.0	6.8	6.6	6.4	6.3
	23	-5.0	7.7	7.5	7.1	7.0
	32	0.0	8.5	8.3	7.9	7.8
	37	2.5	8.9	8.6	8.4	8.3
	43	6.0	9.2	9.0	8.9	8.7
	46	7.5	9.7	9.5	8.9	8.7
	50	10.0	10.2	9.9	8.9	8.7
	55	12.5	10.6	10.4	8.9	8.7
60	15.5	10.9	10.4	8.9	8.7	

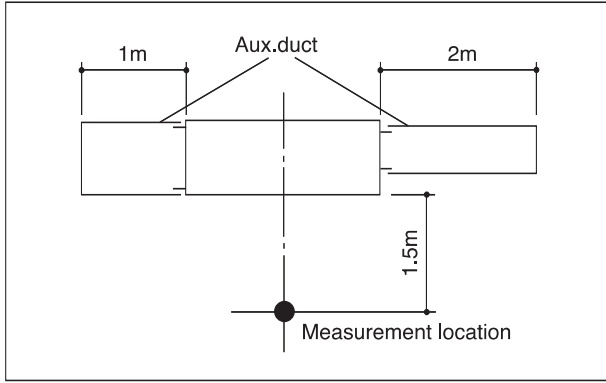
Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB	68 °FDB	77 °FDB	81 °FDB
			15.0°CDB	20.0°CDB	25.0°CDB	27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
80 (9.0)	-4	-20.0	6.5	6.3	6.0	5.9
	5	-15.0	7.0	6.7	6.5	6.4
	14	-10.0	7.5	7.3	7.1	7.0
	23	-5.0	8.5	8.3	7.9	7.8
	32	0.0	9.4	9.2	8.8	8.7
	37	2.5	9.9	9.6	9.3	9.2
	43	6.0	10.2	10.0	9.9	9.7
	46	7.5	10.8	10.6	9.9	9.7
	50	10.0	11.3	11.0	9.9	9.7
	55	12.5	11.8	11.5	9.9	9.7
60	15.5	12.1	11.5	9.9	9.7	
100 (11.2)	-4	-20.0	8.1	7.9	7.5	7.4
	5	-15.0	8.8	8.4	8.1	8.0
	14	-10.0	9.4	9.1	8.9	8.8
	23	-5.0	10.6	10.4	9.9	9.8
	32	0.0	11.8	11.5	11.0	10.9
	37	2.5	12.4	12.0	11.6	11.5
	43	6.0	12.8	12.5	12.4	12.1
	46	7.5	13.5	13.3	12.4	12.1
	50	10.0	14.1	13.8	12.4	12.1
	55	12.5	14.8	14.4	12.4	12.1
60	15.5	15.1	14.4	12.4	12.1	
125 (14.0)	-4	-20.0	10.4	10.1	9.6	9.4
	5	-15.0	11.2	10.7	10.4	10.2
	14	-10.0	12.0	11.7	11.4	11.2
	23	-5.0	13.6	13.3	12.6	12.5
	32	0.0	15.0	14.7	14.1	13.9
	37	2.5	15.8	15.4	14.9	14.7
	43	6.0	16.3	16.0	15.8	15.5
	46	7.5	17.3	17.0	15.8	15.5
	50	10.0	18.1	17.6	15.8	15.5
	55	12.5	18.9	18.4	15.8	15.5
60	15.5	19.4	18.4	15.8	15.5	
140 (16.0)	-4	-20.0	11.7	11.3	10.8	10.6
	5	-15.0	12.6	12.1	11.7	11.5
	14	-10.0	13.5	13.1	12.8	12.6
	23	-5.0	15.3	14.9	14.2	14.0
	32	0.0	16.9	16.6	15.8	15.7
	37	2.5	17.8	17.3	16.7	16.6
	43	6.0	18.4	18.0	17.8	17.5
	46	7.5	19.4	19.1	17.8	17.5
	50	10.0	20.3	19.8	17.8	17.5
	55	12.5	21.2	20.7	17.8	17.5
60	15.5	21.8	20.7	17.8	17.5	

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

# 3. SOUND LEVELS

## 3-1. Sound levels

PEFY-P-VML-E,VMH-E



\* Measured in anechoic room.

Sound level at anechoic room : Low-Mid-High

	Sound level dB (A)
PEFY-P20VML-E	25-29-36
PEFY-P25VML-E	25-29-36
PEFY-P32VML-E	25-29-40

Sound level at anechoic room : Low-Mid-High

		Sound level dB (A)		
		Low	Mid	High
PEFY-P40VMH-E	220V	25-30	27-34	30-40
PEFY-P50VMH-E	230, 240V	30-34	31-37	31-41
PEFY-P63VMH-E	220V	31-36	32-38	36-43
	230, 240V	35-39	36-41	38-44
PEFY-P71VMH-E	220V	30-36	32-39	35-43
	230, 240V	34-39	35-41	37-44
PEFY-P80VMH-E	220V	32-39	35-41	37-43
	230, 240V	37-41	38-43	39-45
PEFY-P100,125VMH-E	220V	32-40	34-42	36-46
	230, 240V	36-42	38-44	38-47
PEFY-P140VMH-E	380V	42	-	45
PEFY-P200VMH-E	400, 415V	44	-	47
	380V	50	-	52
PEFY-P250VMH-E	400, 415V	52	-	54

\* External static pressure of PEFY-P40-140VMH-E

Low : 50Pa at 220V, 100Pa at 230, 240V  
 Mid : 100Pa at 220V, 150Pa at 230, 240V  
 High : 200Pa at 220V, 200Pa at 230, 240V

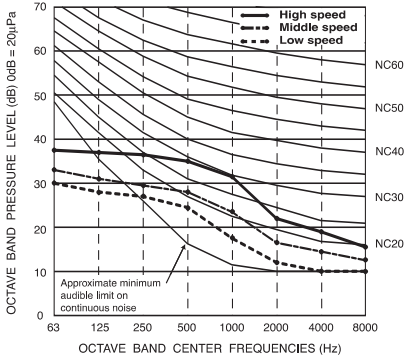
\* External static pressure of PEFY-P200-250VMH-E

Low : 110Pa at 380V, 130Pa at 400,415V  
 High : 220Pa at 380V, 260Pa at 400,415V

## 3-2. NC curves

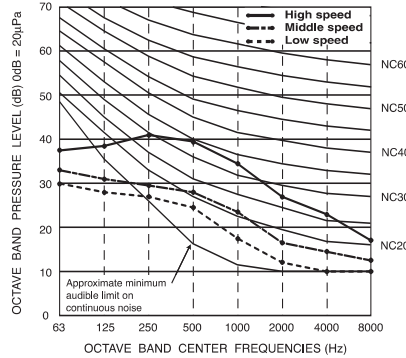
PEFY-P20,25VML-E

External static pressure : 5Pa  
 Power source : 220,230,240V, 50/60Hz



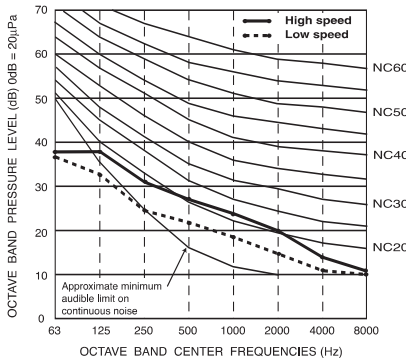
PEFY-P32VML-E

External static pressure : 5Pa  
 Power source : 220,230,240V, 50/60Hz



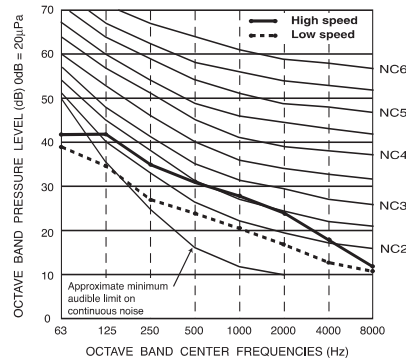
PEFY-P40,50VMH-E

External static pressure : 50Pa  
 Power source : 220V, 50/60Hz



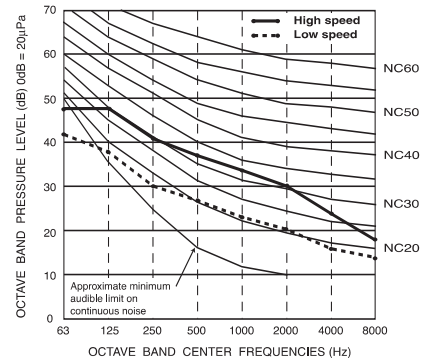
PEFY-P40,50VMH-E

External static pressure : 100Pa  
 Power source : 220V, 50/60Hz



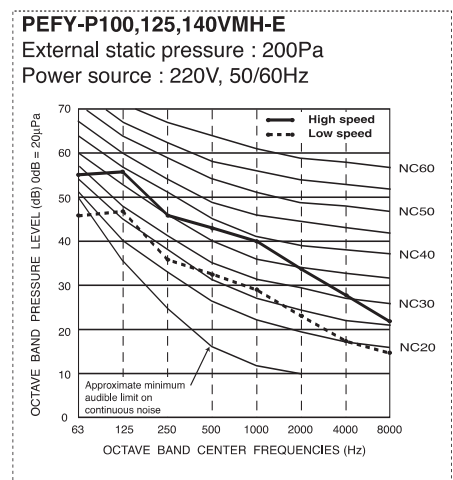
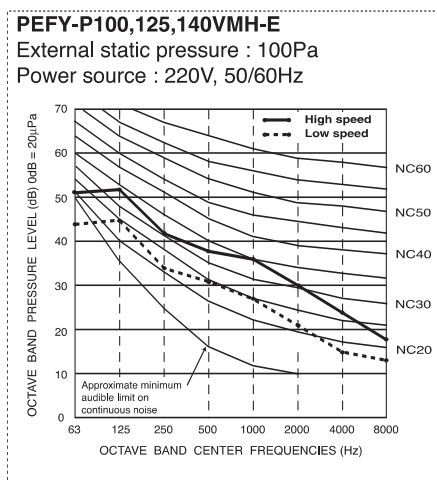
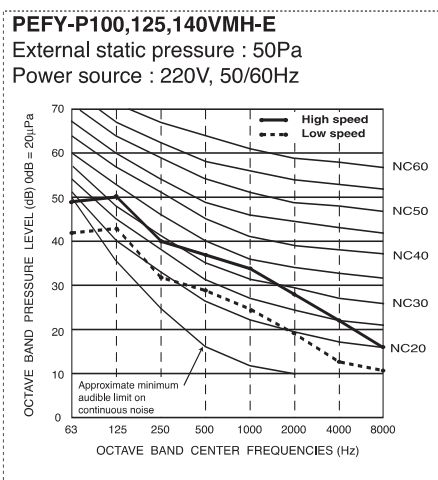
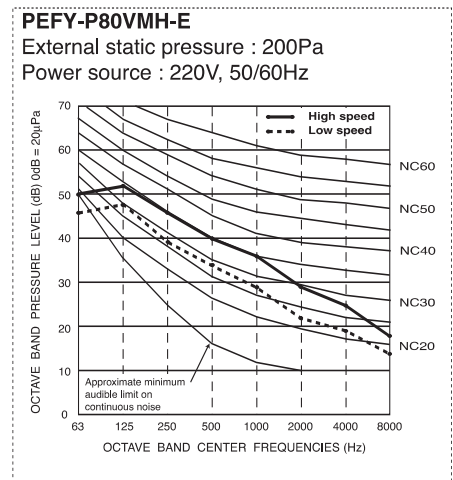
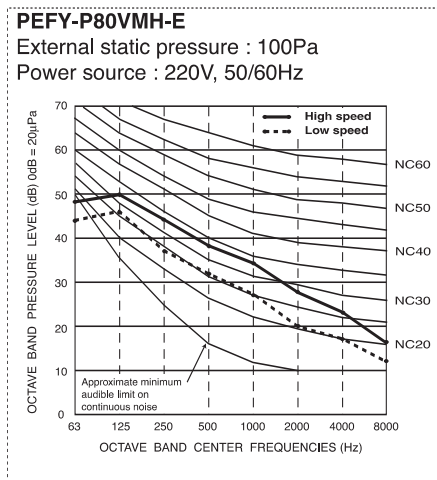
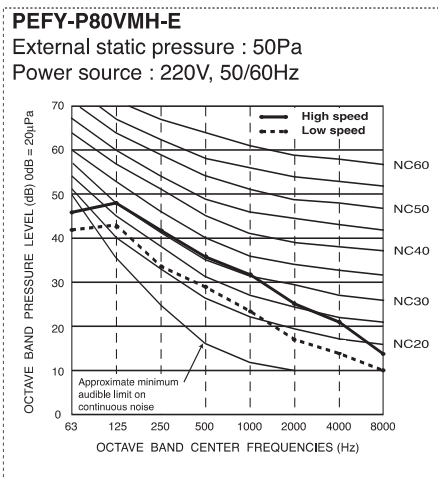
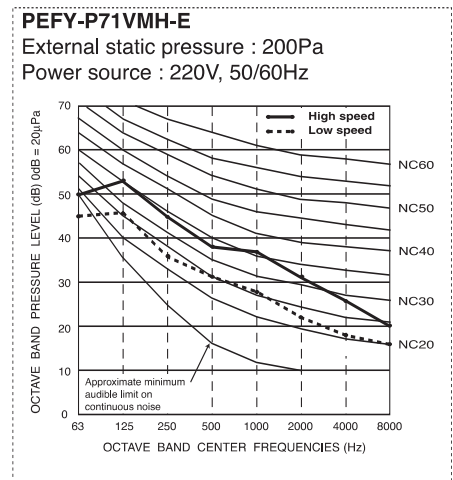
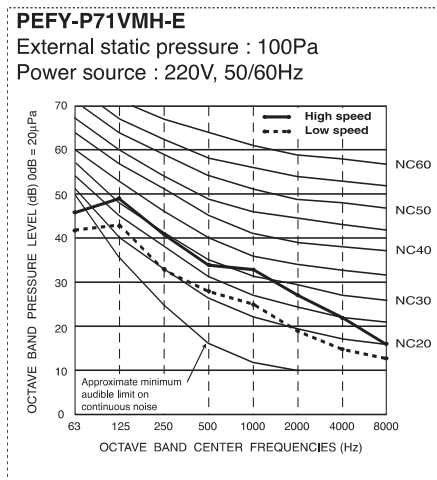
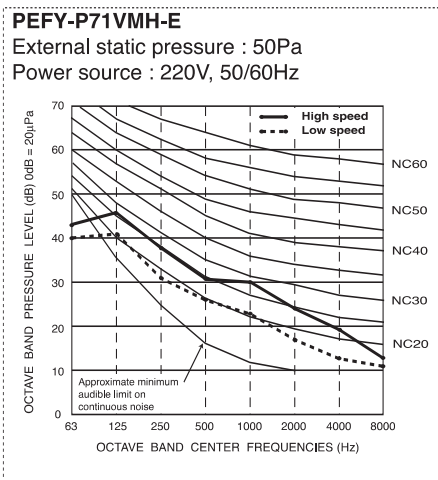
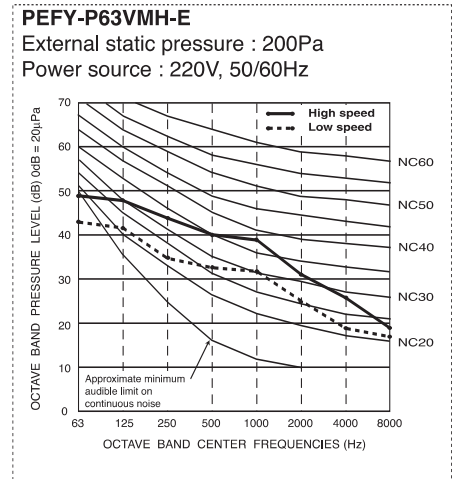
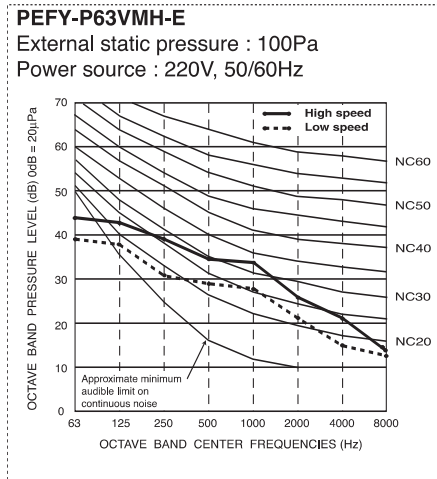
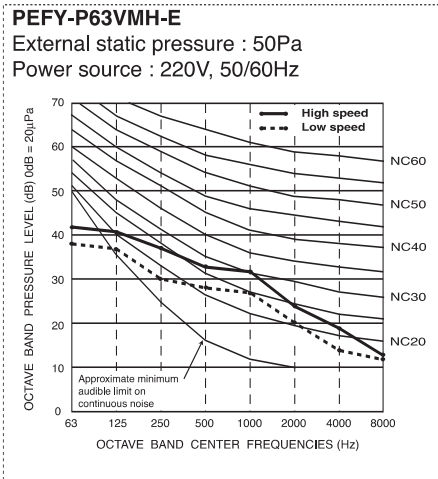
PEFY-P40,50VMH-E

External static pressure : 200Pa  
 Power source : 220V, 50/60Hz





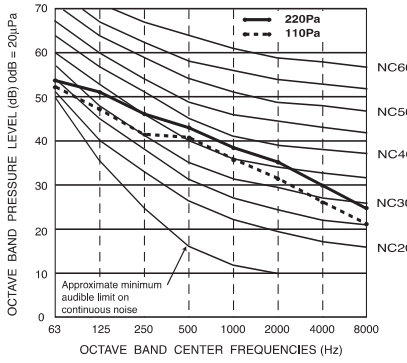
## 3-2. NC curves



3-2. NC curves

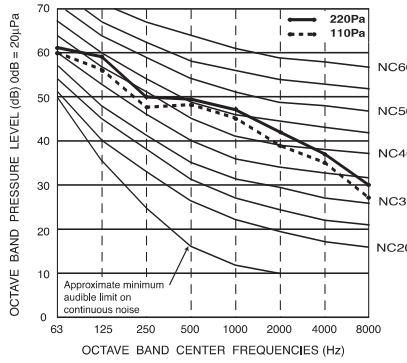
**PEFY-P200VMH-E**

External static pressure : 110,220Pa  
Power source : 380V, 50/60Hz



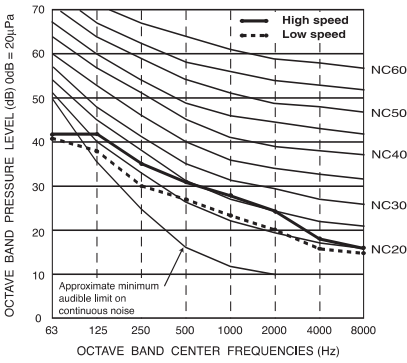
**PEFY-P250VMH-E**

External static pressure : 110,220Pa  
Power source : 380V, 50/60Hz



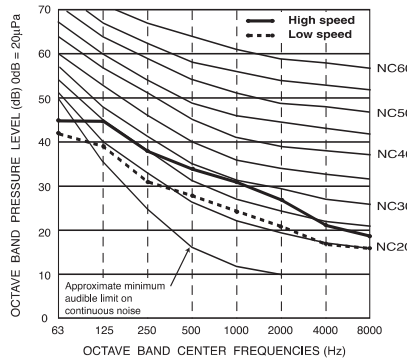
**PEFY-P40,50VMH-E**

External static pressure : 100Pa  
Power source : 230,240V, 50/60Hz



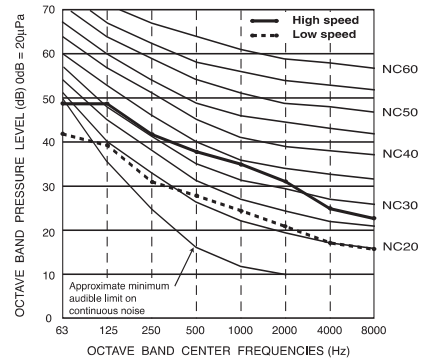
**PEFY-P40,50VMH-E**

External static pressure : 150Pa  
Power source : 230,240V, 50/60Hz



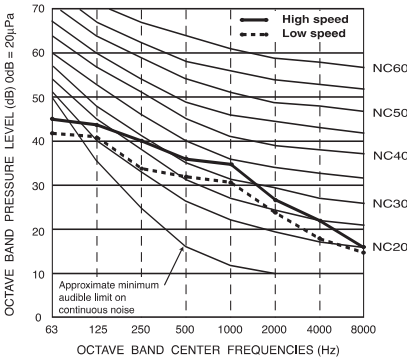
**PEFY-P40,50VMH-E**

External static pressure : 200Pa  
Power source : 230,240V, 50/60Hz



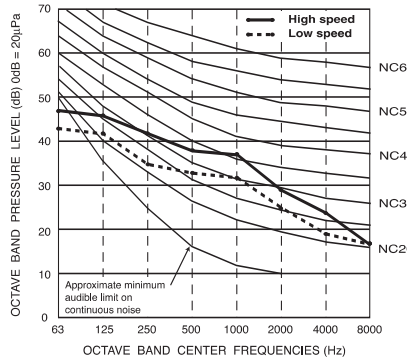
**PEFY-P63VMH-E**

External static pressure : 100Pa  
Power source : 230,240V, 50/60Hz



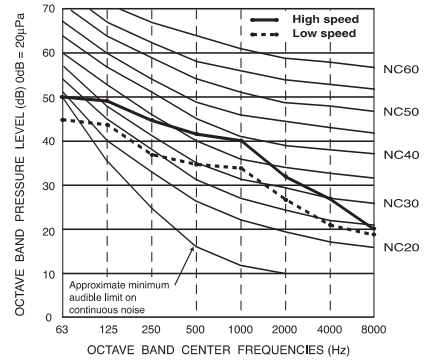
**PEFY-P63VMH-E**

External static pressure : 150Pa  
Power source : 230,240V, 50/60Hz



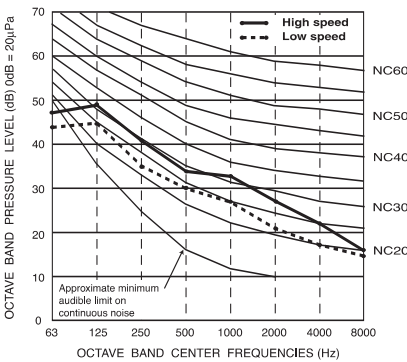
**PEFY-P63VMH-E**

External static pressure : 200Pa  
Power source : 230,240V, 50/60Hz



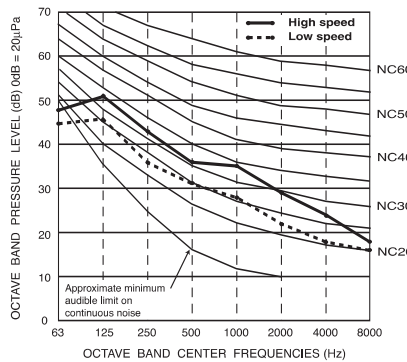
**PEFY-P71VMH-E**

External static pressure : 100Pa  
Power source : 230,240V, 50/60Hz



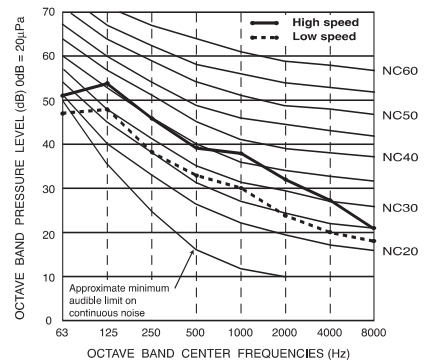
**PEFY-P71VMH-E**

External static pressure : 150Pa  
Power source : 230,240V, 50/60Hz

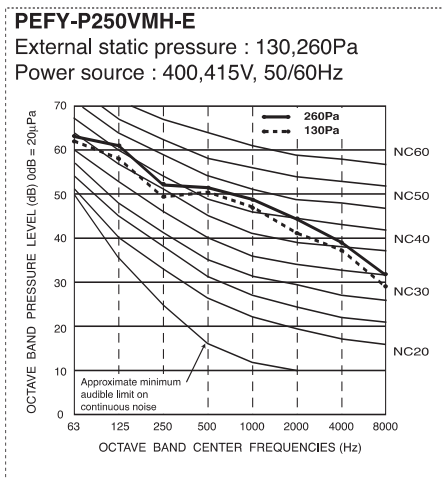
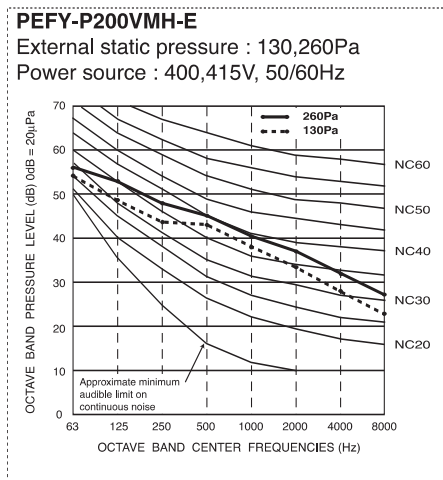
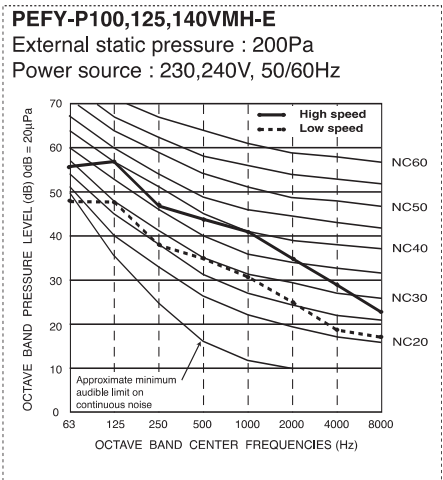
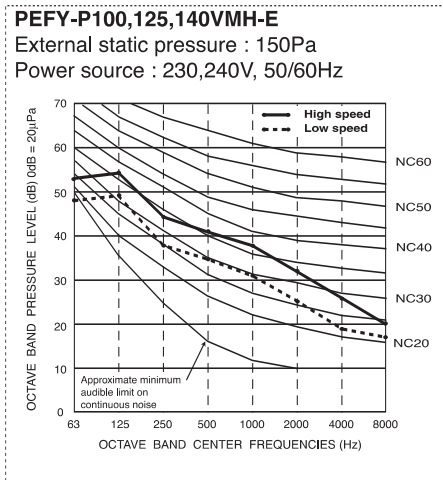
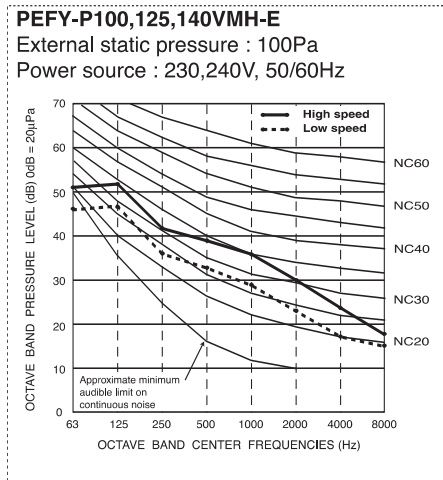
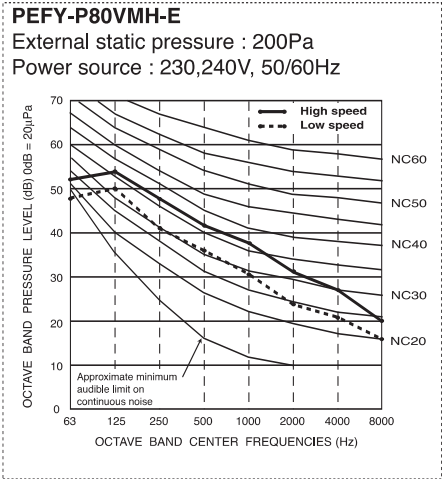
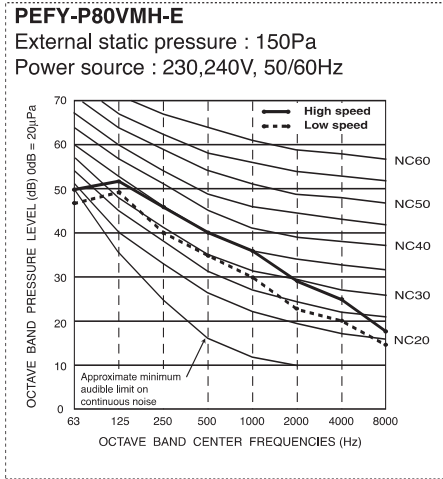
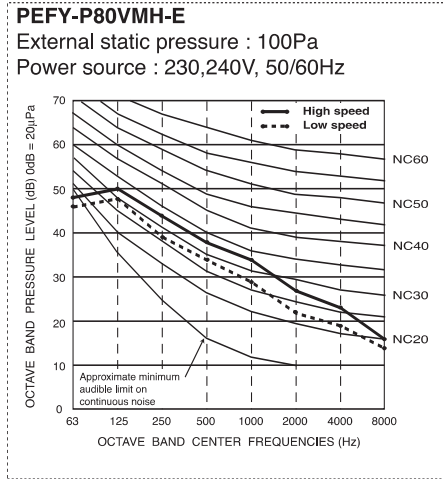


**PEFY-P71VMH-E**

External static pressure : 200Pa  
Power source : 230,240V, 50/60Hz

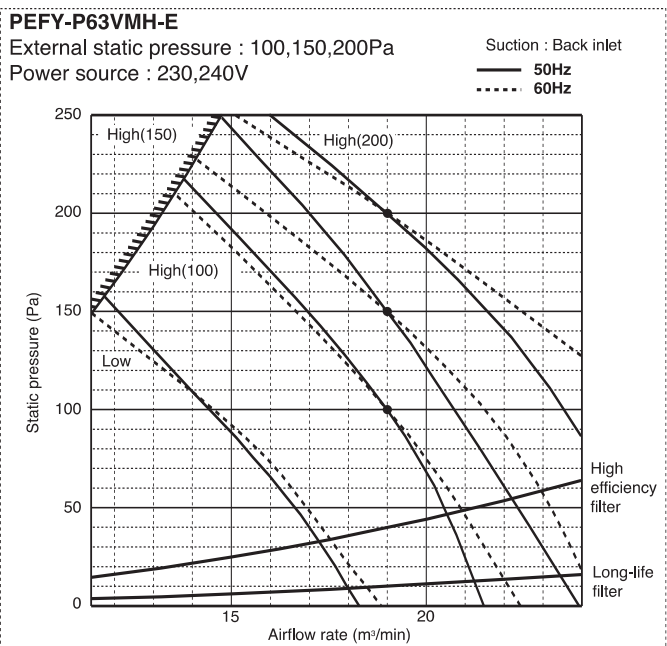
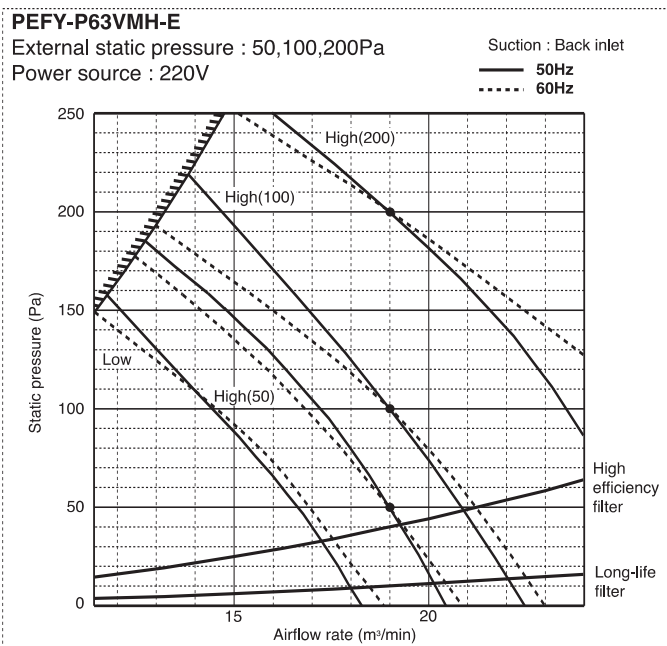
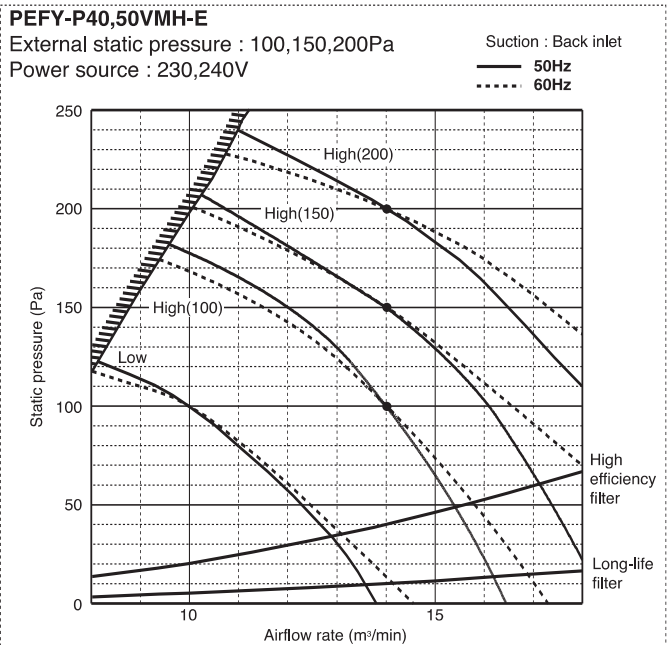
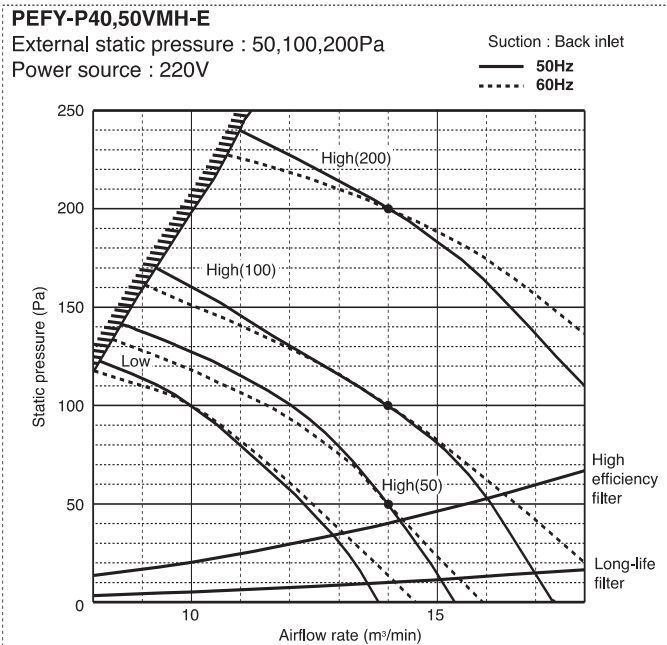
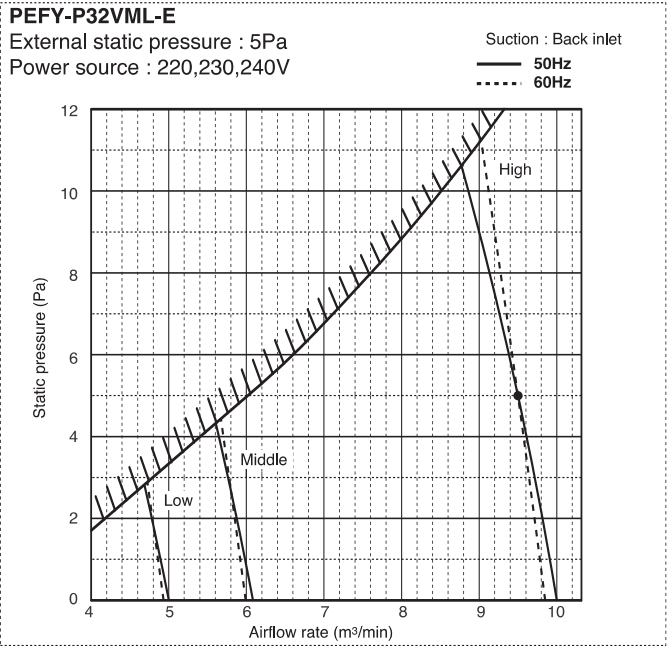
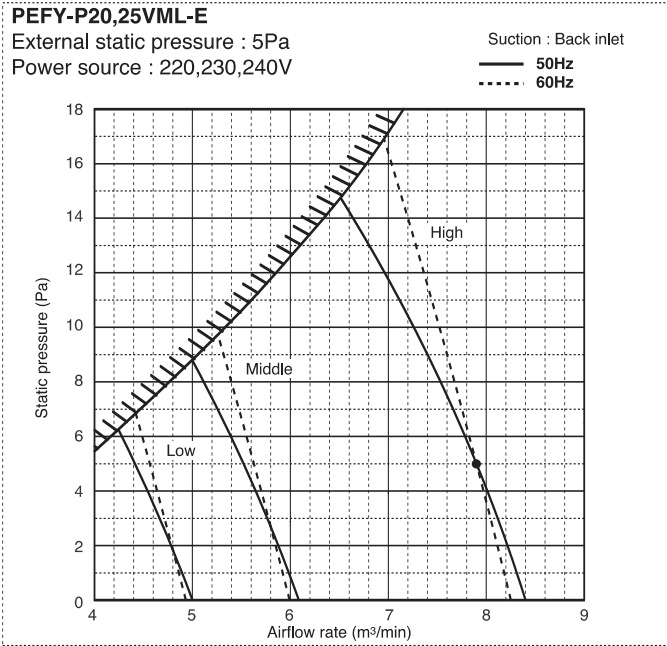


## 3-2. NC curves



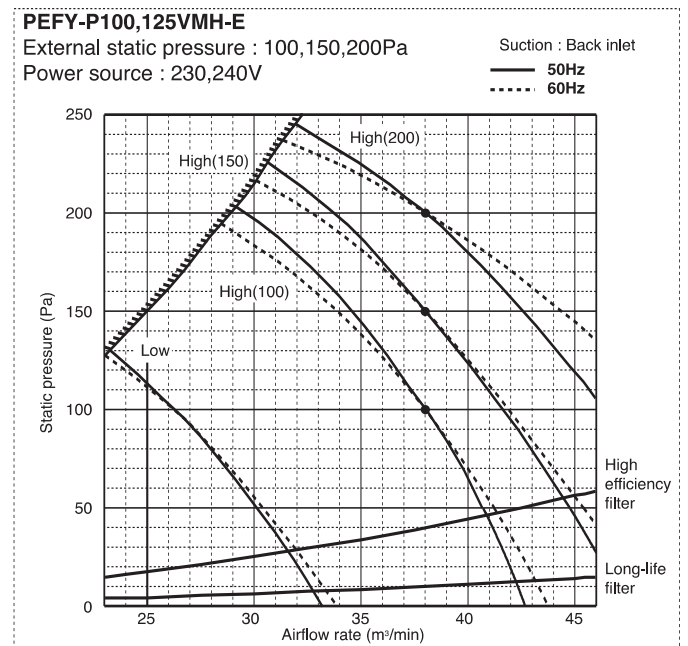
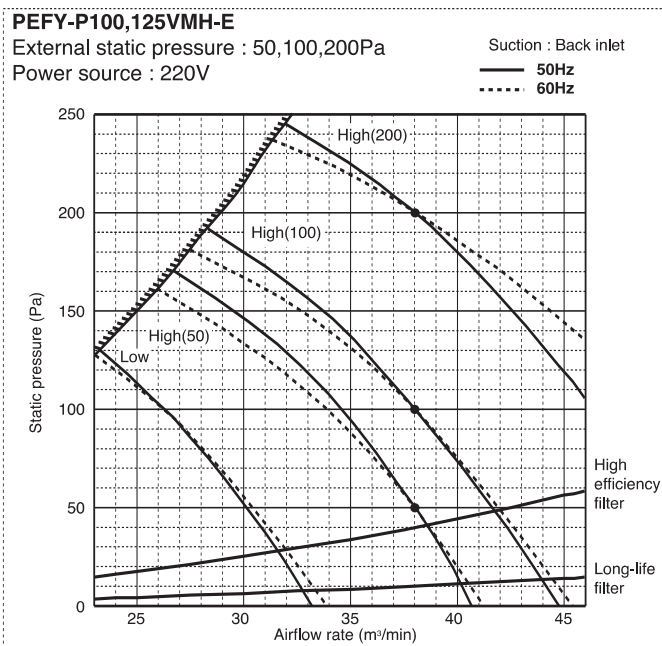
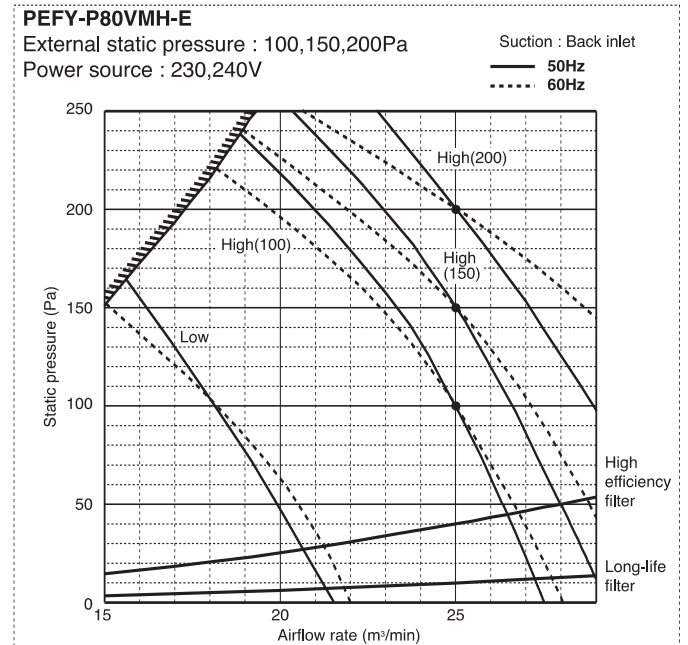
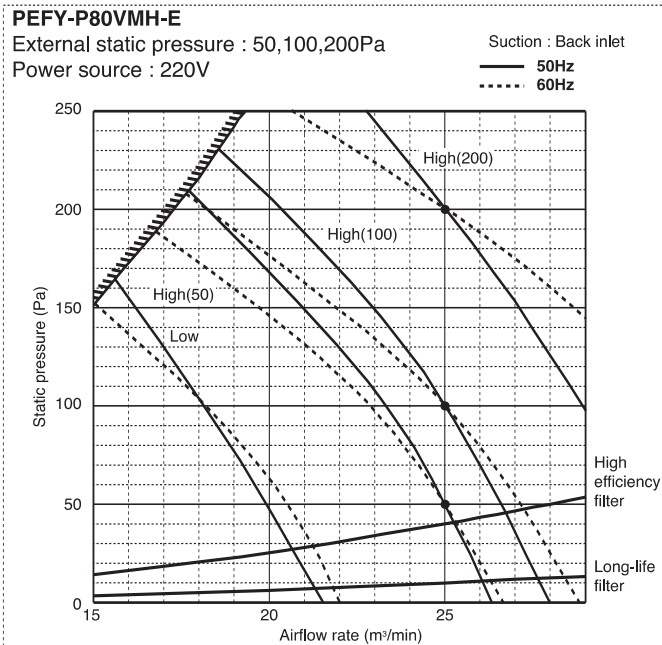
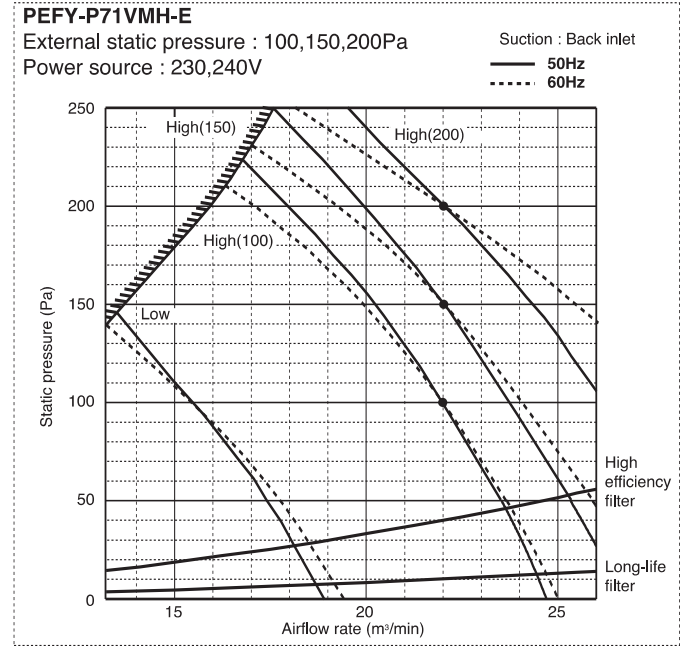
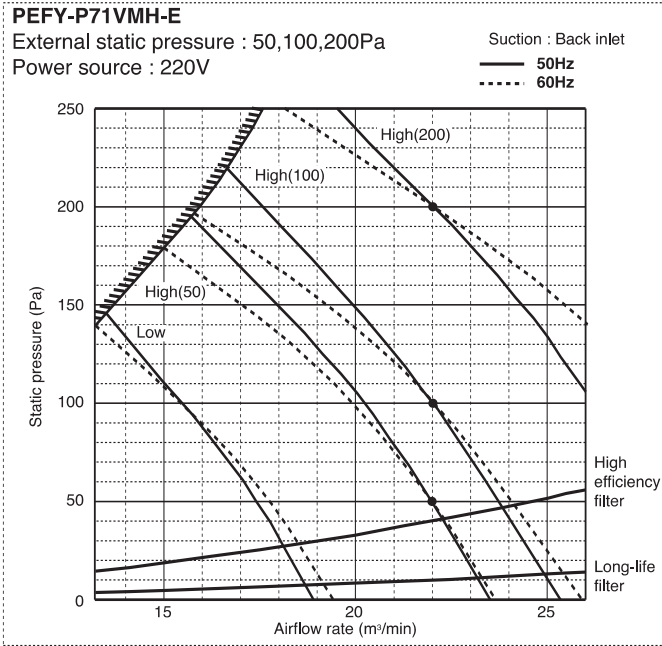
# 3. SOUND LEVELS

## 3-3. Fan characteristics curves



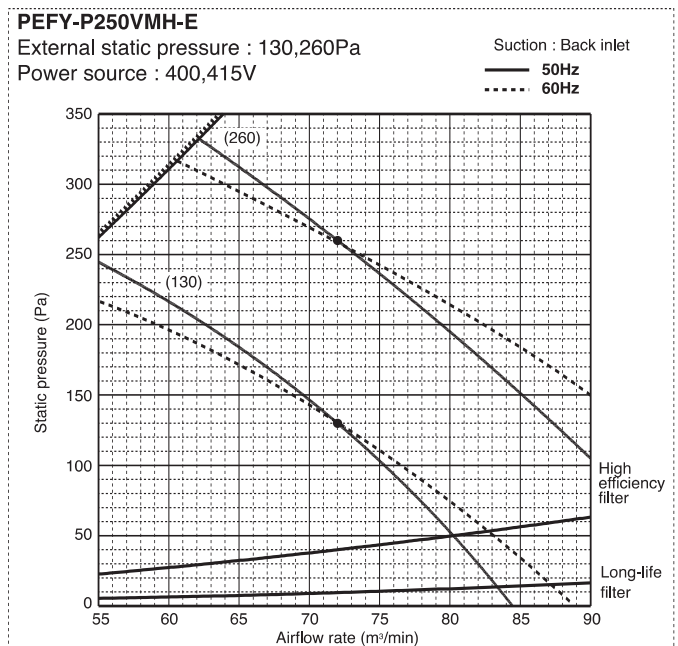
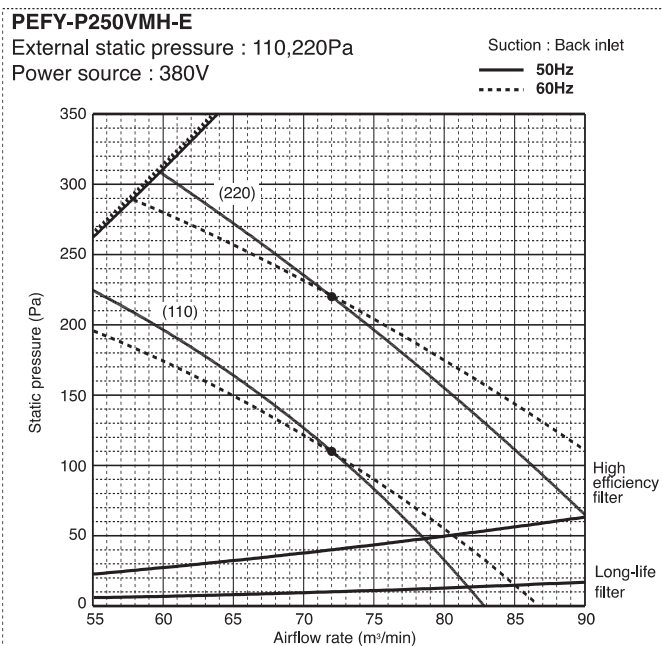
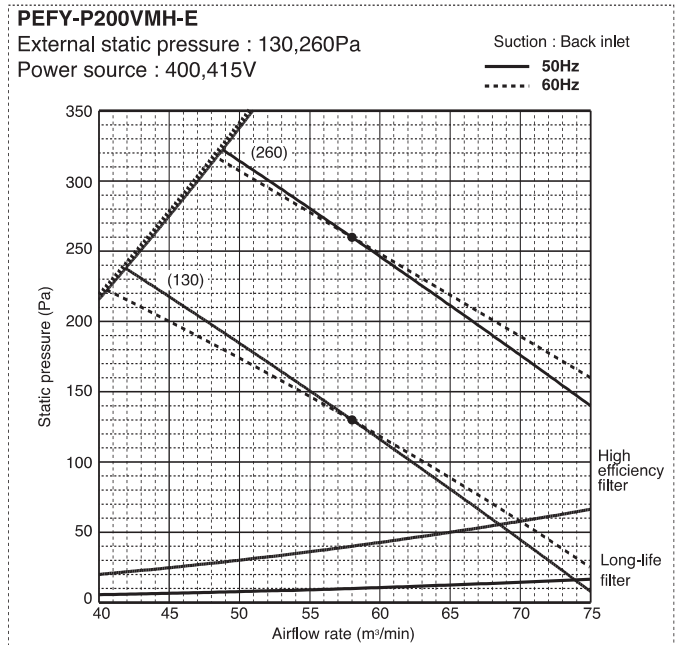
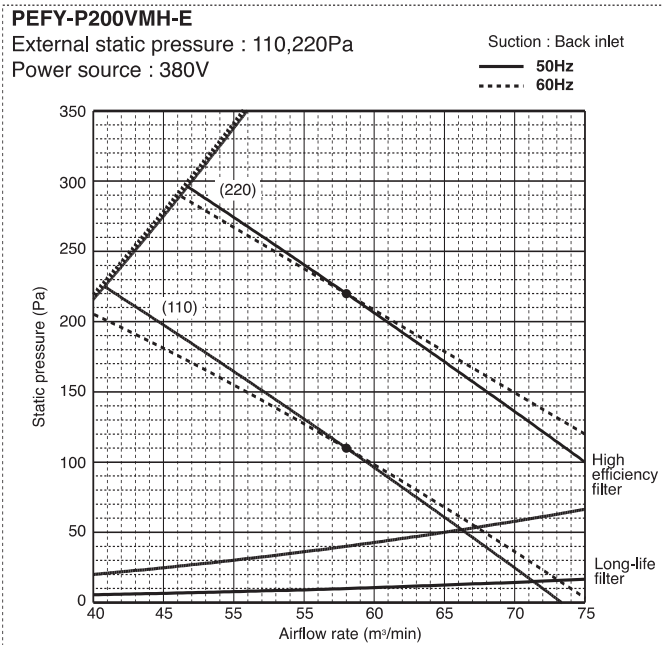
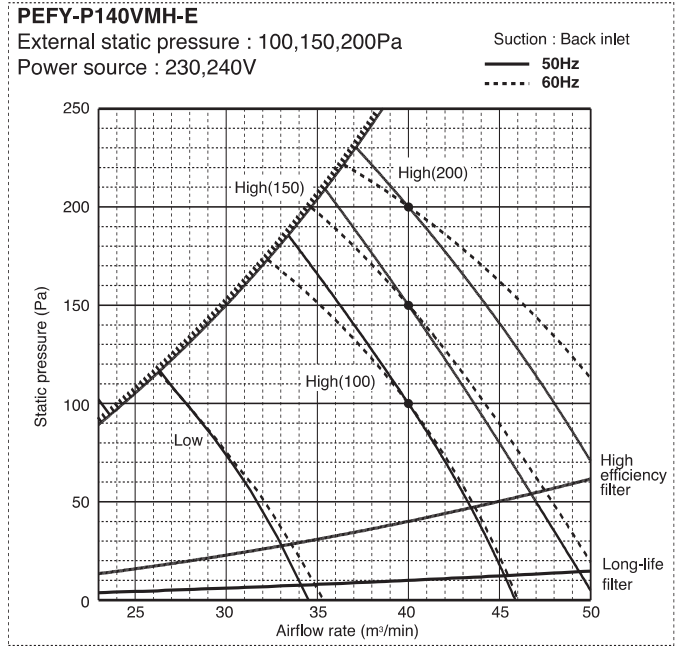
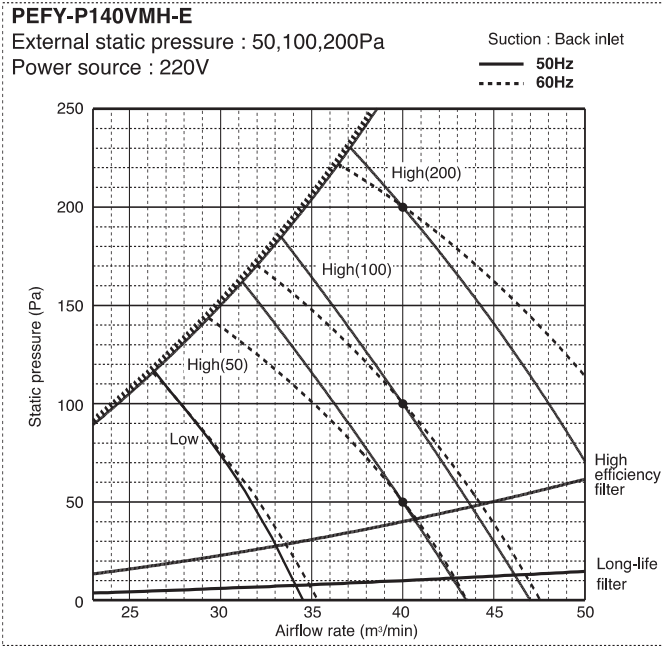


## 3-3. Fan characteristics curves



A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
V<sub>4</sub>  
V<sub>5</sub>  
BC

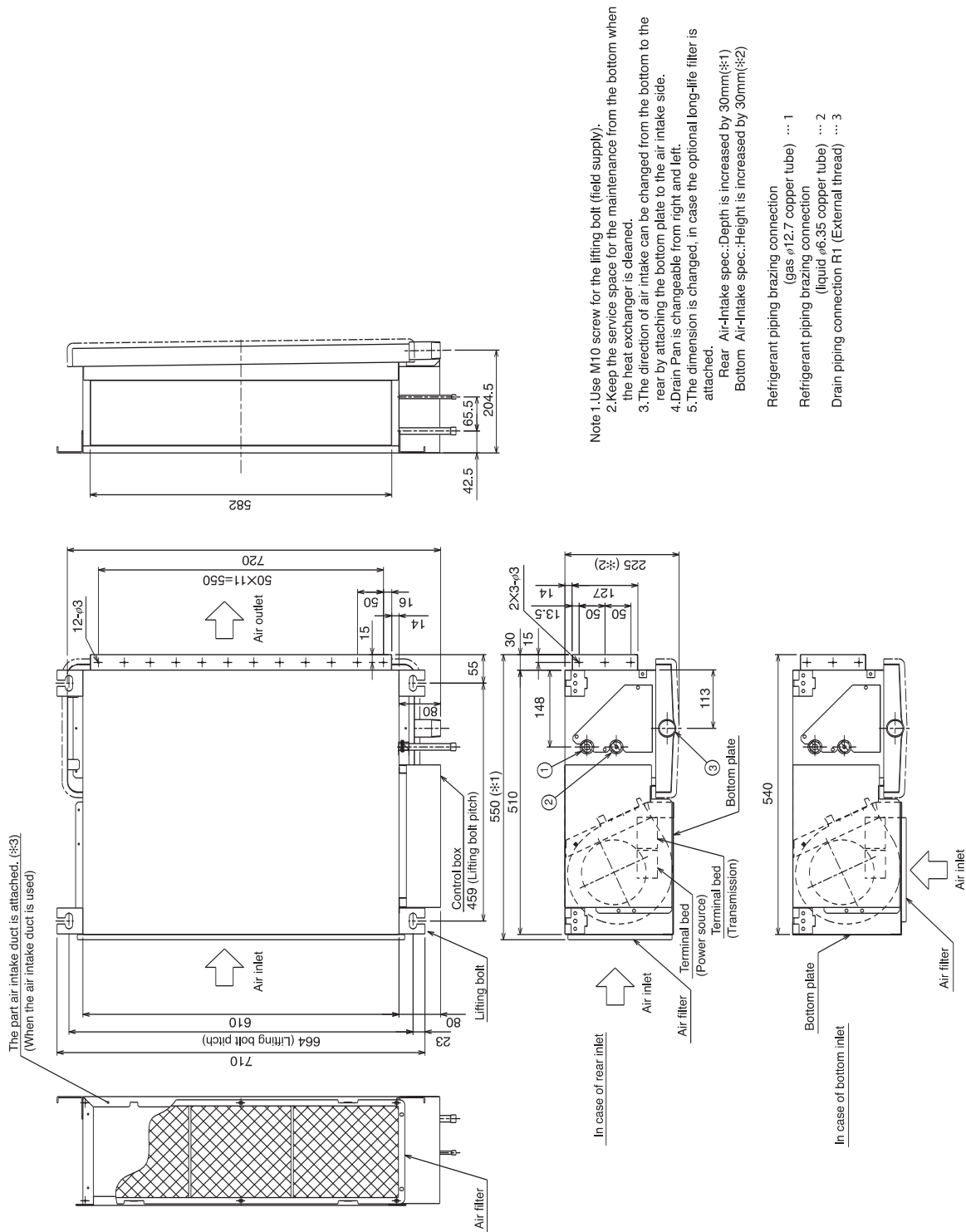
## 3-3. Fan characteristics curves





## PEFY-P20,25,32VML-E

Drw. : IU-W65-3947  
Unit : mm



A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
V<sub>A</sub>  
V<sub>B</sub>  
BC



## PEFY-P200, 250VMH-E

Draw. : IU-W27-5925

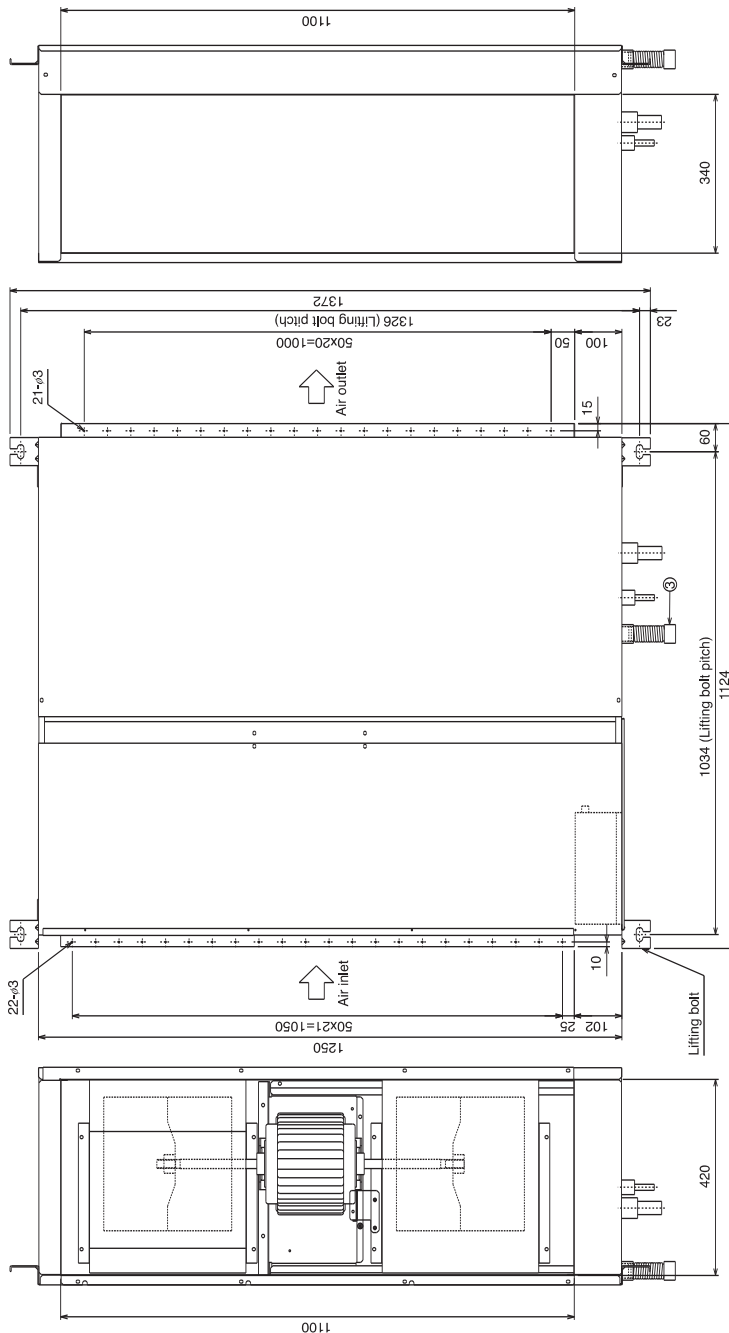
Unit : mm

- Note : 1. Use M10 screw for the lifting bolt (field supply).  
 2. Keep the service space for the maintenance from the bottom when the heat exchanger is cleaned.  
 3. Make sure to install the air filter(field supply)on the air intake side. In case field supplied air filter is used, attach it where the filter service is easily done.  
 4. On this model, you would use pipe packed with the Indoor Unit, when connecting the Outdoor Unit for R407C, R22.

Model	A	B
P200VMH-E	*1: $\phi$ 19.05 *2: $\phi$ 25.4	*1: $\phi$ 9.52 *2: $\phi$ 12.7
P250VMH-E	*1: $\phi$ 22.2 *2: $\phi$ 28.58	*1: $\phi$ 9.52 *2: $\phi$ 12.7

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

- Refrigerant piping brazing connection  
 (gas A copper tube) .....①  
 Refrigerant piping brazing connection  
 (liquid B copper tube) .....②  
 Drain hose 32mm(1-1/4inch)  
 <flexible joint 200mm>(accessory) .....③



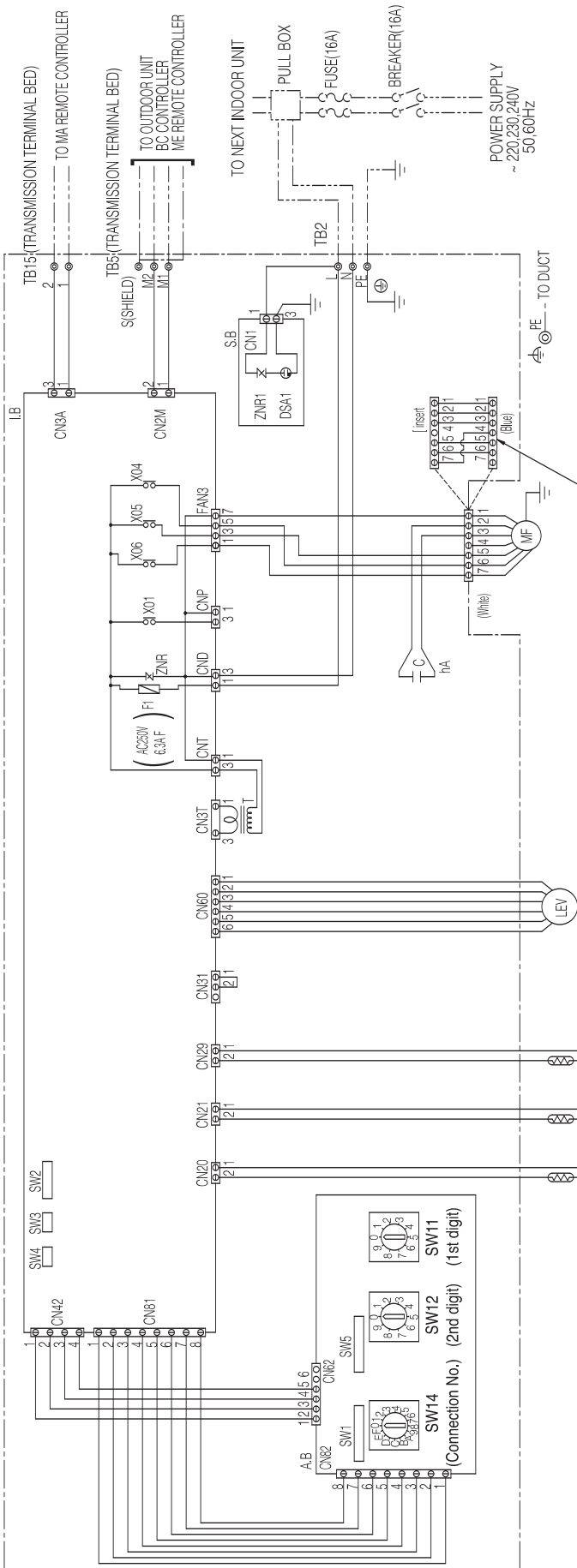
When installing the drain water lifting-up mech(option).

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J
- V<sub>4</sub>
- V<sub>6</sub>
- BC

PEFY-P20,25,32VML-E

Drw. : IU-W65-3955

INSIDE SECTION OF CONTROL BOX



The motor connector is connected with 230V, 240V power at factory shipment. If 220V power is used, insert the attachment. Color/Power source White/230V, 240V Blue/220V

NOTE : 1. The wirings to TB2, TB5 shown in dotted line are field work.  
2. Mark ⊕ indicates terminal bed, ⊖ connector, ⊕ board insertion connector or fastening connector of control board.

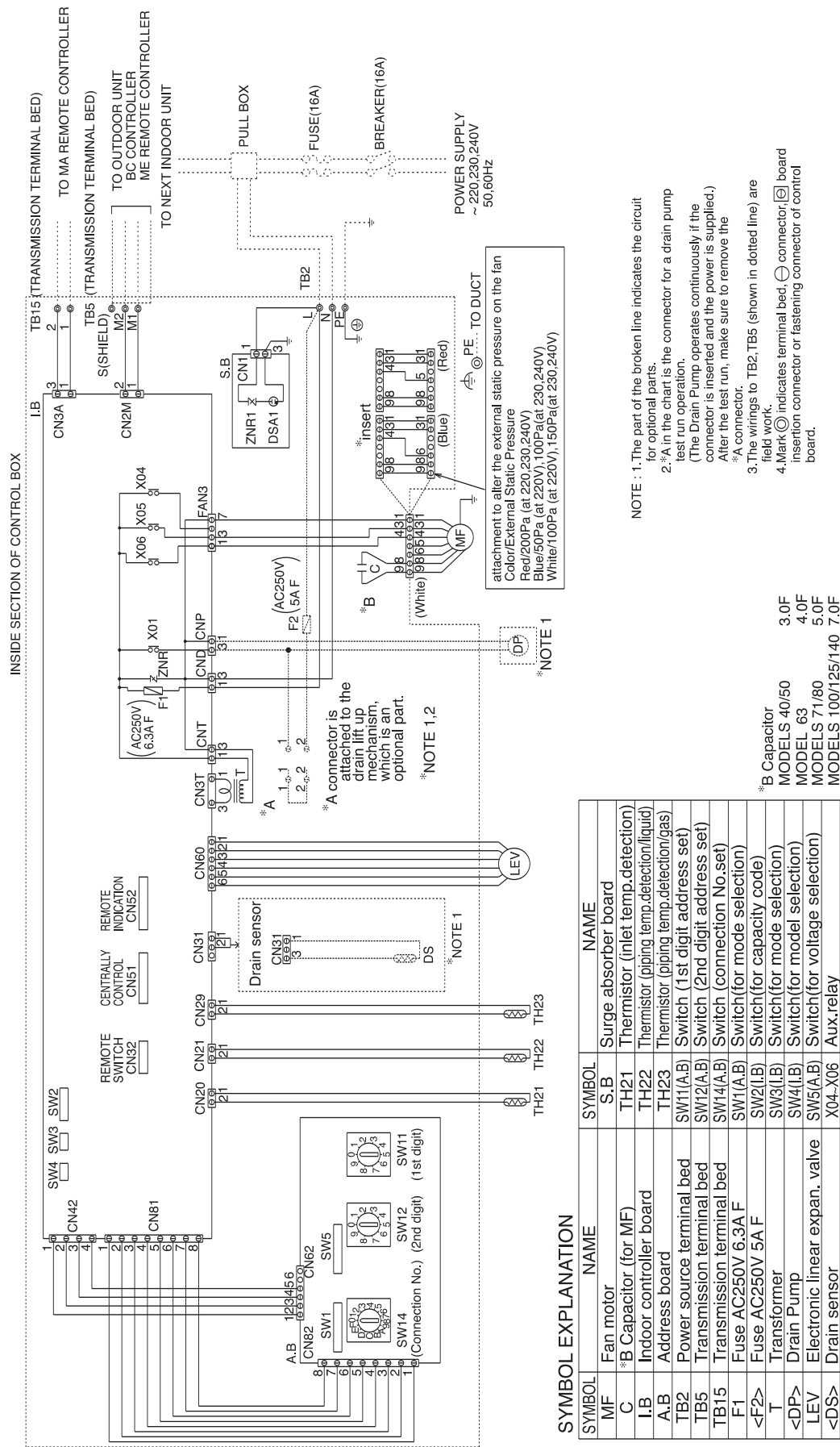
hA Capacitor  
MODELS 20/25 1.5F  
MODEL 32 2.0F

SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME
MF	Fan motor	TH21	Thermistor (inlet temp. detection)
C	hA Capacitor (for MF)	TH22	Thermistor (piping temp. detection/liquid)
I.B	Indoor controller board	TH23	Thermistor (piping temp. detection/gas)
A.B	Address board	SW11(A,B)	Switch (1st digit address set)
TB2	Power source terminal bed	SW12(A,B)	Switch (2nd digit address set)
TB5	Transmission terminal bed	SW1(A,B)	Switch (connection No. set)
TB15	Transmission terminal bed	SW1(A,B)	Switch (for mode selection)
F1	Fuse AC250V 6.3A F	SW2(LB)	Switch (for capacity code)
T	Transformer	SW3(LB)	Switch (for mode selection)
LEV	Electronic linear expans. valve	SW4(LB)	Switch (for model selection)
S.B	Surge absorber board	SW5(A,B)	Switch (for voltage selection)
X04-X06	Aux. relay		

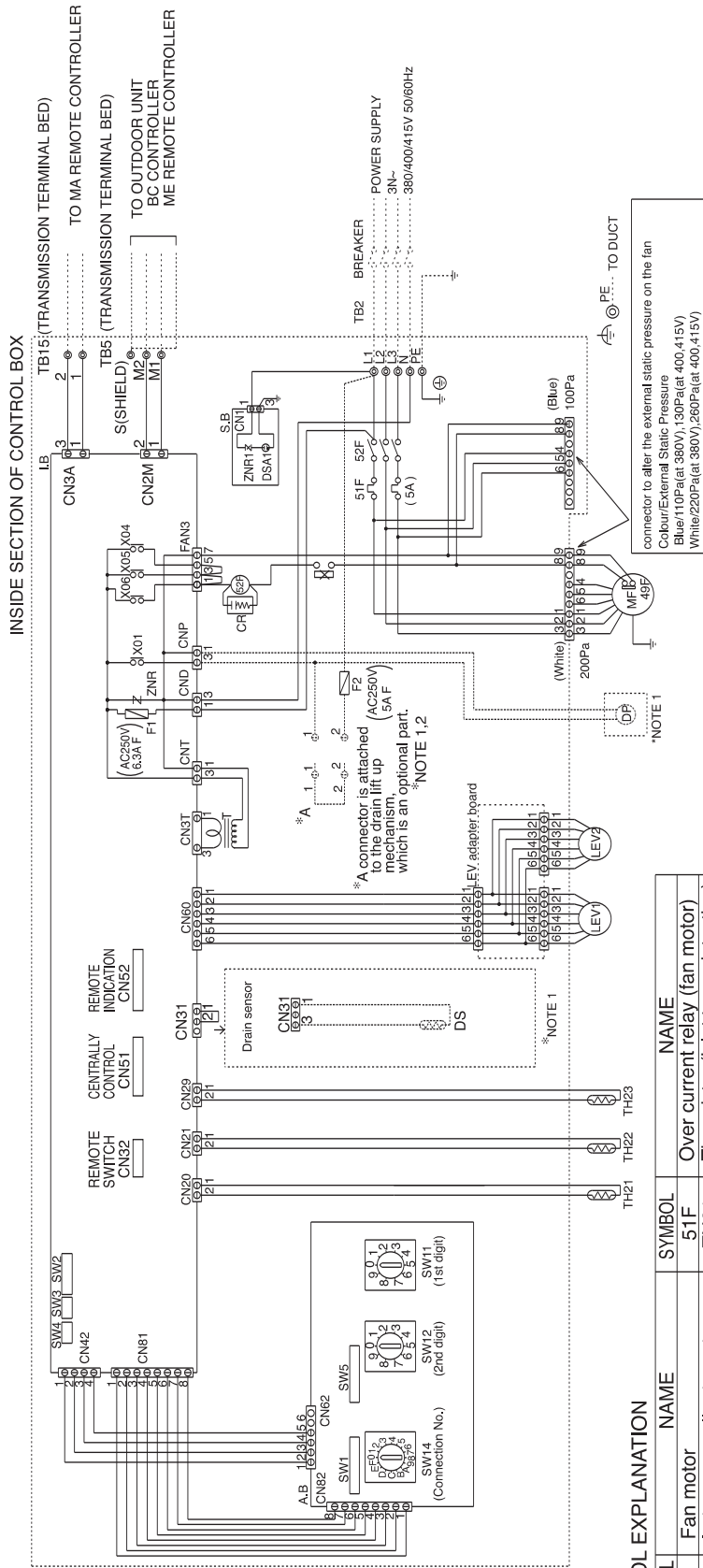
## PEFY-P40,50,63,71,80,100,125,140VMH-E

Draw. : IU-W65-3956



PEFY-P200,250VMH-E

Drw. : IU-W65-3957



SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME
MF	Fan motor	51F	Over current relay (fan motor)
I.B	Indoor controller board	TH21	Thermistor (inlet temp.detection)
A.B	Address board	TH22	Thermistor (piping temp.detection/liquid)
TB2	Power source terminal bed	TH23	Thermistor (piping temp.detection/gas)
TB5	Transmission terminal bed	SW11(A.B)	Switch (1st digit address set)
TB15	Transmission terminal bed	SW12(A.B)	Switch (2nd digit address set)
F1	Fuse AC250V 6.3A F	SW14(A.B)	Switch (for mode selection)
<F2>	Fuse AC250V 5A F	SW1(A.B)	Switch (for mode selection)
T	Transformer	SW2(LB)	Switch (for capacity code)
<DP>	Drain Pump	SW3(LB)	Switch (for mode selection)
LEV1,LEV2	Electronic linear expan. valve	SW4(LB)	Switch (for model selection)
<DS>	Drain sensor	SW5(A.B)	Switch (for voltage selection)
S.B	Surge absorber board	X04-X06	Aux. relay
52F	Contactora (fan motor)	49F	Inner thermostat

inside < > is the optional parts

CAUTION : 1. To protect Fan motor from abnormal current, Over current relays<51F> is installed. Therefore, do not change factory set value of Over current relays.

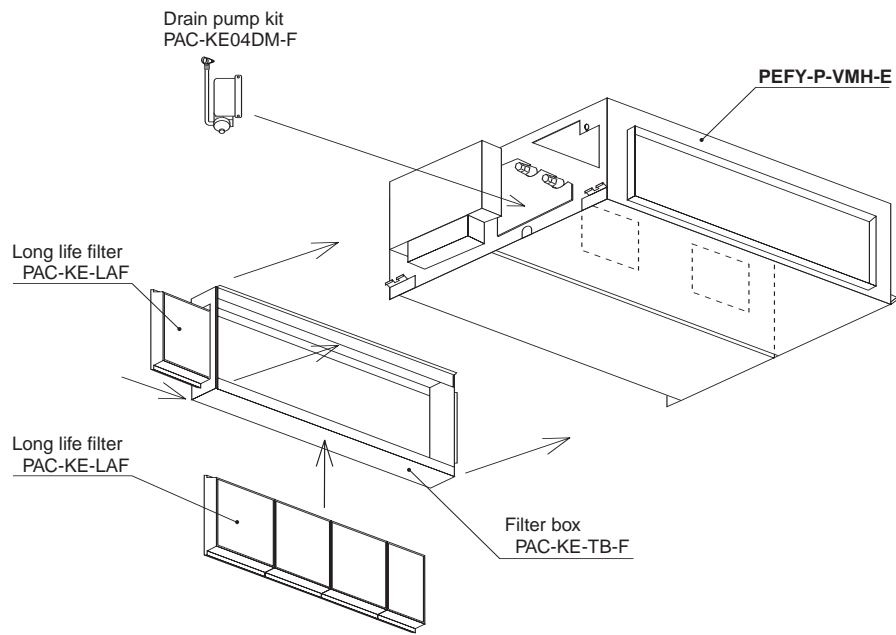
- NOTE : 1. The part of the broken line indicates the circuit for optional parts.  
 2. 'A' in the chart is the connector for a drain pump test run operation, and the power is supplied.  
 After the test run, make sure to remove the 'A' connector.  
 3. The wirings to TB2, TB5 shown in dotted line are field work.  
 4. Mark ⊕ indicates terminal bed, ⊙ connector, ⊞ board insertion connector or fastening connector of control board.

connector to alter the external static pressure on the fan  
 Colour/External Static Pressure  
 Blue/110Pa(at 380V), 130Pa(at 400,415V)  
 White/220Pa(at 380V), 260Pa(at 400,415V)

A  
B  
C  
D  
E  
F  
G  
H  
I  
J  
K  
L  
M  
N  
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Description	Model	Applicable capacity
Long life filter	PAC-KE32LAF-F	PEFY-P20,25,32VML-E
	PAC-KE86LAF	PEFY-P40,50,63VMH-E
	PAC-KE88LAF	PEFY-P71,80VMH-E
	PAC-KE89LAF	PEFY-P100,125,140VMH-E
	PAC-KE85LAF	PEFY-P200,250VMH-E
Filter box	PAC-KE63TB-F	PEFY-P40,50,63VMH-E
	PAC-KE80TB-F	PEFY-P71,80VMH-E
	PAC-KE140TB-F	PEFY-P100,125,140VMH-E
	PAC-KE250TB-F	PEFY-P200,250VMH-E
Drain pump kit	PAC-KE04DM-F	PEFY-P40,50,63,71,80,100VMH-E
		PEFY-P125,140,200,250VMH-E



A  
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V<sub>a</sub>  
V<sub>b</sub>  
BC

- A**
- B
- C
- D
- E
- F
- G
- H
- I
- J
- V<sub>a</sub>
- V<sub>b</sub>
- BC