

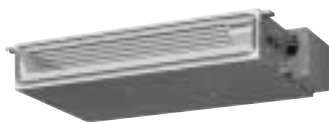


PEFY-P-VML-E



PEFY-P-VMR-E-L/R

**PEFY-P-VML-E**  
**PEFY-P-VMR-E-L/R**  
**PEFY-P-VMS-E**  
**PEFY-P-VMH-E**



PEFY-P-VMS-E



PEFY-P-VMH-E

1. SPECIFICATIONS	IU-A- 2
2. CAPACITY TABLES	
2-1a. Cooling capacity in combination with PUHY,PUY, PURY-P200, 250YGM	IU-A- 9
2-1b. Heating capacity in combination with PUHY, PURY-P200, 250YGM	IU-A- 13
2-2a. Cooling capacity in combination with PUHY,PUY,PURY-P300,350YGM / PUHY,PURY-P400YGM	IU-A- 16
2-2b. Heating capacity in combination with PUHY, PURY-P300, 350, 400YGM	IU-A- 20
2-3a. Cooling capacity in combination with PUHY,PURY-P450, 500, 550, 600, 650YGM	IU-A- 23
2-3b. Heating capacity in combination with PUHY,PURY-P450, 500, 550, 600, 650YGM	IU-A- 27
2-4a. Cooling capacity in combination with PUHY-P700-1250YSGM	IU-A- 30
2-4b. Heating capacity in combination with PUHY-P700-1250YSGM	IU-A- 34
2-5a. Cooling capacity in combination with PQHY,PQRY-P200,250YGM, PQHY,PQRY-P400,500YSGM	IU-A- 37
2-5b. Heating capacity in combination with PQHY,PQRY-P200,250YGM, PQHY,PQRY-P400,500YSGM	IU-A- 40
2-6a. Cooling capacity in combination with PUMY-P100,125,140YHM,VHM	IU-A- 43
2-6b. Heating capacity in combination with PUMY-P100,125,140YHM,VHM	IU-A- 47
3. SOUND LEVELS	
3-1. Sound levels	IU-A- 50
3-2. NC curves	IU-A- 51
3-3. Fan characteristics curves	IU-A- 57
4. EXTERNAL DIMENSIONS	IU-A- 64
5. ELECTRICAL WIRING DIAGRAMS	IU-A- 69
6. Optional parts for PEFY-P-VML-E,VMH-E	IU-A- 74

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-VMR-E-L/R	●	●	●										
PEFY-P-VMS-E	●	●	●	●	●	●							
PEFY-P-VMH-E				●	●	●	●	●	●	●	●	●	●

# 1. SPECIFICATIONS

R410A Data G3

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	Sirocco fan x 1	Sirocco fan x 1	
	External static press.	Pa	5 (220V)	5 (220V)	5 (220V)	
		mmH <sub>2</sub> O	0.5	0.5	0.5	
		Pa	5 (230, 240V)	5 (230, 240V)	5 (230, 240V)	
		mmH <sub>2</sub> O	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	
Field drain pipe size		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					
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.				*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-VML-E

# 1. SPECIFICATIONS

Model			PEFY-P20VMR-E-L/R	PEFY-P25VMR-E-L/R	PEFY-P32VMR-E-L/R		
Power source			1-phase 220-240V 50Hz / 220-230V 60Hz				
Cooling capacity (Nominal)	*1	kW	2.2	2.8	3.6		
		kcal / h	1,900	2,400	3,100		
		Btu / h	7,500	9,600	12,300		
	*2	kcal / h	2,000	2,500	3,150		
		Power input	kW	0.06 / 0.06	0.06 / 0.06	0.07 / 0.08	
		Current input	A	0.29 / 0.29 (220V)	0.29 / 0.29 (220V)	0.34 / 0.38 (220V)	
Heating capacity (Nominal)	*3	kW	2.5	3.2	4.0		
		kcal / h	2,200	2,800	3,400		
		Btu / h	8,500	10,900	13,600		
		Power input	kW	0.06 / 0.06	0.06 / 0.06	0.07 / 0.08	
		Current input	A	0.29 / 0.29 (220V)	0.29 / 0.29 (220V)	0.34 / 0.38 (220V)	
External finish			Galvanized				
External dimension H x W x D		mm	292 x 640 x 580	292 x 640 x 580	292 x 640 x 580		
		in.	11-1/2" x 25-3/16" x 22-27/32"	11-1/2" x 25-3/16" x 22-27/32"	11-1/2" x 25-3/16" x 22-27/32"		
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	0.018	0.018	0.023	
	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 - 9.3		
		L / s	80 - 97 - 132	80 - 97 - 132	80 - 97 - 155		
cfm		170 - 205 - 279	170 - 205 - 279	170 - 205 - 328			
Noise level (Low-Mid-High) (measured in anechoic room)	dB <A>		20 - 25 - 30 * (220V)	20 - 25 - 30 * (220V)	20 - 25 - 33 * (220V)		
	dB <A>		21 - 26 - 32 * (230V)	21 - 26 - 32 * (230V)	21 - 26 - 35 * (230V)		
	dB <A>		22 - 27 - 30 * (240V)	22 - 27 - 30 * (240V)	22 - 27 - 33 * (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 CITY MULTI				
Diameter of refrigerant pipe	Liquid (R410A)	mm (in.)	ø6.35 (ø1/4") Brazed	ø6.35 (ø1/4") Brazed	ø6.35 (ø1/4") Brazed		
	Gas (R410A)	mm (in.)	ø12.7 (ø1/2") Brazed	ø12.7 (ø1/2") Brazed	ø12.7 (ø1/2") Brazed		
Field drain pipe size		mm (in.)	O.D. ø26 (ø1-1/32")	O.D. ø26 (ø1-1/32")	O.D. ø26 (ø1-1/32")		
Drawing	External		IU-KB94-C854	IU-KB94-C854	IU-KB94-C854		
	Wiring		IU-KB94-C858	IU-KB94-C858	IU-KB94-C858		
	Refrigerant cycle		-	-	-		
Standard attachment	Document		Installation Manual, Instruction Book				
	Accessory		Drain hose (flexible joint)				
Remark			* Above noise level is tested in rear air inlet case. It will be a little higher in bottom air inlet case.				
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.							

# 1. SPECIFICATIONS

R410A Data G3

Model		PEFY-P20VMS-E	PEFY-P25VMS-E	PEFY-P32VMS-E	PEFY-P40VMS-E				
Power source		1-phase 220-240V 50Hz/60Hz							
Cooling capacity (Nominal)	*1	kW	2.2	2.8	3.6	4.5			
	*1	kcal / h	1,900	2,400	3,100	3,900			
	*1	Btu / h	7,500	9,600	12,300	15,400			
	*2	kcal / h	2,000	2,500	3,150	4,000			
		Power input	kW	0.08	0.08	0.09	0.11		
		Current input	A	0.39 (240V)	0.39 (240V)	0.44 (240V)	0.53 (240V)		
Heating capacity (Nominal)	*3	kW	2.5	3.2	4.0	5.0			
	*3	kcal / h	2,200	2,800	3,400	4,300			
	*3	Btu / h	8,500	10,900	13,600	17,100			
		Power input	kW	0.06	0.06	0.07	0.09		
			Current input	A	0.28 (240V)	0.28 (240V)	0.33 (240V)	0.42 (240V)	
External finish		Galvanized							
External dimension H x W x D		mm	200 x 900 x 700	200 x 900 x 700	200 x 900 x 700	200 x 900 x 700			
		in.	7-7/8" x 35-7/16" x 27-9/16"	7-7/8" x 35-7/16" x 27-9/16"	7-7/8" x 35-7/16" x 27-9/16"	7-7/8" x 35-7/16" x 27-9/16"			
Net weight		kg (lb)	23 (51)	23 (51)	23 (51)	24 (53)			
Heat exchanger		Cross fin (Aluminium fin and copper tube)							
FAN	Type x Quantity		Sirocco fan x 3		Sirocco fan x 3		Sirocco fan x 3		
	External static press.	Pa	5 - 15 - 35 - 50 (220V)		5 - 15 - 35 - 50 (220V)		5 - 15 - 35 - 50 (220V)		
		mmH <sub>2</sub> O	0.5 - 1.5 - 3.6 - 5.1		0.5 - 1.5 - 3.6 - 5.1		0.5 - 1.5 - 3.6 - 5.1		
		Pa	5 - 15 - 35 - 50 (230, 240V)		5 - 15 - 35 - 50 (230, 240V)		5 - 15 - 35 - 50 (230, 240V)		
		mmH <sub>2</sub> O	0.5 - 1.5 - 3.6 - 5.1		0.5 - 1.5 - 3.6 - 5.1		0.5 - 1.5 - 3.6 - 5.1		
	Motor type		DC brushless motor						
	Motor output		kW	0.096	0.096	0.096	0.096		
	Driving mechanism		Direct-driven						
	Airflow rate (Low-Mid-High)	m <sup>3</sup> / min		6 - 7 - 8		6 - 7 - 8		7.5 - 8.5 - 10	
		L / s		100 - 117 - 133		100 - 117 - 133		125 - 142 - 167	
cfm		212 - 247 - 282		212 - 247 - 282		265 - 300 - 353			
Noise level (Low-Mid-High) (measured in anechoic room)		dB <A>	22 - 25 - 27 (15Pa,220-240V)	22 - 25 - 27 (15Pa,220-240V)	25 - 28 - 30 (15Pa,220-240V)	28 - 30 - 33 (15Pa,220-240V)			
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") Braze	ø6.35 (ø1/4") Braze	ø6.35 (ø1/4") Braze	ø6.35 (ø1/4") Braze			
		mm (in.)	ø6.35 (ø1/4") Braze	ø6.35 (ø1/4") Braze	ø6.35 (ø1/4") Braze	ø6.35 (ø1/4") Braze			
	Gas (R410A) (R22, R407C)	mm (in.)	ø12.7 (ø1/2") Braze	ø12.7 (ø1/2") Braze	ø12.7 (ø1/2") Braze	ø12.7 (ø1/2") Braze			
		mm (in.)	ø12.7 (ø1/2") Braze	ø12.7 (ø1/2") Braze	ø12.7 (ø1/2") Braze	ø12.7 (ø1/2") Braze			
Field drain pipe size		mm (in.)	O.D. ø32 (ø1-1/4")	O.D. ø32 (ø1-1/4")	O.D. ø32 (ø1-1/4")	O.D. ø32 (ø1-1/4")			
Drawing	External		IU-KB94-C422	IU-KB94-C422	IU-KB94-C422	IU-KB94-C422			
	Wiring		IU-KB94-C539	IU-KB94-C539	IU-KB94-C539	IU-KB94-C539			
	Refrigerant cycle		-	-	-	-			
Standard attachment	Document		Installation Manual, Instruction Book						
	Accessory		Drain hose (flexible joint)						
Remark	Optional parts		-						
	Installation		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.						

<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-VMS-E\_1

# 1. SPECIFICATIONS

R410A Data G3

Model		PEFY-P50VMS-E	PEFY-P63VMS-E		
Power source		1-phase 220-240V 50Hz/60Hz			
Cooling capacity (Nominal)	*1	kW	5.6	7.1	
	*1	kcal / h	4,800	6,100	
	*1	Btu / h	19,100	24,200	
	*2	kcal / h	5,000	6,300	
		Power input	kW	0.13	0.14
		Current input	A	0.63 (240V)	0.68 (240V)
Heating capacity (Nominal )	*3	kW	6.3	8.0	
	*3	kcal / h	5,400	6,900	
	*3	Btu / h	21,500	27,300	
		Power input	kW	0.11	0.12
			Current input	A	0.52 (240V)
External finish		Galvanized			
External dimension H x W x D		mm	200 x 900 x 700	200 x 1,100 x 700	
		in.	7-7/8" x 35-7/16" x 27-9/16"	7-7/8" x 43-5/16" x 27-9/16"	
Net weight		kg (lb)	24 (53)	28 (62)	
Heat exchanger		Cross fin (Aluminium fin and copper tube)			
FAN	Type x Quantity		Sirocco fan x 3	Sirocco fan x 4	
	External static press.	Pa	5 - 15 - 35 - 50 (220V)	5 - 15 - 35 - 50 (220V)	
		mmH <sub>2</sub> O	0.5 - 1.5 - 3.6 - 5.1	0.5 - 1.5 - 3.6 - 5.1	
		Pa	5 - 15 - 35 - 50 (230, 240V)	5 - 15 - 35 - 50 (230, 240V)	
		mmH <sub>2</sub> O	0.5 - 1.5 - 3.6 - 5.1	0.5 - 1.5 - 3.6 - 5.1	
	Motor type		DC brushless motor		
	Motor output		kW	0.096	0.096
	Driving mechanism		Direct-driven		
	Airflow rate (Low-Mid-High)	m <sup>3</sup> / min	9.5 - 11 - 13	12 - 14 - 16.5	
		L / s	158 - 183 - 217	200 - 233 - 275	
cfm		335 - 388 - 459	424 - 494 - 583		
Noise level (Low-Mid-High) (measured in anechoic room)		dB <A>	30 - 32 - 35 (15Pa,220-240V)	30 - 33 - 36 (15Pa,220-240V)	
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 ø9.52 (ø3/8") Brazed	ø9.52 (ø3/8") Brazed ø9.52 (ø3/8") Brazed	
	Gas (R410A) (R22, R407C)	mm (in.)	ø12.7 (ø1/2") Brazed ø15.88 (ø5/8") Brazed	ø15.88 (ø5/8") Brazed ø15.88 (ø5/8") Brazed	
Field drain pipe size		mm (in.)	O.D. ø32 (ø1-1/4")	O.D. ø32 (ø1-1/4")	
Drawing	External		IU-KB94-C422	IU-KB94-C422	
	Wiring		IU-KB94-C539	IU-KB94-C539	
	Refrigerant cycle		-	-	
Standard attachment	Document		Installation Manual, Instruction Book		
	Accessory		Drain hose (flexible joint)		
Remark	Optional parts		-		
	Installation		Details on foundation work, duct work, insulation work, electrical wiring, power source switch, and other items shall be referred to the Installation Manual.		
<b>Note :</b>		*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	
Indoor :		27°CDB/19°CWB (81°FDB/66°FWB)	27°CDB/19.5°CWB (81°FDB/67°FWB)	20°CDB (68°FDB)	
Outdoor :		35°CDB (95°FDB)	35°CDB (95°FDB)	7°CDB/6°CWB (45°FDB/43°FWB)	
Pipe length :		7.5 m (24-9/16 ft)	5 m (16-3/8 ft)	7.5 m (24-9/16 ft)	
Level difference :		0 m (0 ft)	0 m (0 ft)	0 m (0 ft)	
				Unit converter	
				kcal/h = kW x 860	
				Btu/h = kW x 3,412	
				cfm = m <sup>3</sup> /min x 35.31	
				lb = kg / 0.4536	
				*Above specification data is subject to rounding variation.	
				Ref.: Spec_PEFY-P-VMS-E_2	

# 1. SPECIFICATIONS

R410A Data G3

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		
	*1 kcal / h	3,900	4,800	6,100	6,900		
	*1 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		
	*3 kcal / h	4,300	5,400	6,900	7,700		
	*3 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		
	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	
Field drain pipe size		mm (in.)	O.D. ø32 (1-1/4")	O.D. ø32 (1-1/4")	O.D. ø32 (1-1/4")	O.D. ø32 (1-1/4")	
Drawing	External		IU-W27-5924				
	Wiring		IU-W65-3956				
	Refrigerant cycle		-				
Standard attachment	Document		Installation Manual, Instruction Book				
	Accessory		Drain hose (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.					
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.						*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 G3

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	
		kcal / h	7,700	9,600	12,000	13,800	
		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	
		kcal / h	8,600	10,800	13,800	15,500	
		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	
Field drain pipe size		mm (in.)	O.D. ø32 (1-1/4")	O.D. ø32 (1-1/4")	O.D. ø32 (1-1/4")	O.D. ø32 (1-1/4")	
Drawing	External		IU-W27-5924				
	Wiring		IU-W65-3956				
	Refrigerant cycle		-				
Standard attachment	Document		Installation Manual, Instruction Book				
	Accessory		Drain hose (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.				
<b>Note :</b>			*1 Nominal cooling conditions	*2 Nominal cooling conditions	*3 Nominal heating conditions	Unit converter	
Indoor :			27°CDB/19.5°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\_2



# 1. SPECIFICATIONS

R410A Data G3

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		
	*1	kcal / h	19,300	24,100		
	*1	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		
	*3	kcal / h	21,500	27,100		
	*3	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		
Field drain pipe size		mm (in.)	O.D. ø32 (1-1/4")	O.D. ø32 (1-1/4")		
Drawing	External		IU-W27-5925			
	Wiring		IU-W65-3957			
	Refrigerant cycle		-			
Standard attachment	Document		Installation Manual, Instruction Book			
	Accessory		Drain hose (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)	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\_3



# 2. CAPACITY TABLES

## 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°F WB		73°FDB / 61°F WB		77°FDB / 64°F WB		81°FDB / 66°F WB		82°FDB / 68°F WB		86°FDB / 72°F WB		90°FDB / 75°F WB	
	°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

## 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
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 G3

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

PEFY-P-VMR-E-L/R

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

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.													
			71°FDB / 59°FWB 21.5°CDB / 15°CWB		73°FDB / 61°FWB 23°CDB / 16°CWB		77°FDB / 64°FWB 25°CDB / 18°CWB		81°FDB / 66°FWB 27°CDB / 19°CWB		82°FDB / 68°FWB 28°CDB / 20°CWB		86°FDB / 72°FWB 30°CDB / 22°CWB		90°FDB / 75°FWB 32°CDB / 24°CWB	
	°FDB	°CDB	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	68	20.0	2.0	1.7	2.1	1.7	2.3	1.7	2.4	1.9	2.4	1.9	2.6	1.8	2.8	1.8
	73	22.5	2.0	1.7	2.1	1.7	2.3	1.7	2.4	1.9	2.4	1.9	2.6	1.8	2.8	1.8
	77	25.0	2.0	1.7	2.1	1.7	2.3	1.7	2.4	1.9	2.4	1.9	2.6	1.8	2.7	1.8
	82	27.5	2.0	1.7	2.1	1.7	2.2	1.7	2.3	1.9	2.4	1.8	2.5	1.8	2.7	1.8
	86	30.0	1.9	1.6	2.0	1.7	2.2	1.7	2.3	1.8	2.3	1.8	2.5	1.8	2.6	1.8
	91	32.5	1.9	1.6	2.0	1.7	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.8	2.6	1.8
	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	1.7
	100	37.5	1.8	1.6	1.9	1.7	2.0	1.7	2.1	1.8	2.2	1.8	2.3	1.8	2.5	1.7
	104	40.0	1.8	1.6	1.9	1.7	2.0	1.6	2.1	1.8	2.1	1.8	2.3	1.7	2.4	1.7
110	43.0	1.8	1.6	1.8	1.6	2.0	1.6	2.0	1.7	2.0	1.7	2.2	1.7	2.4	1.7	
25 (2.8)	68	20.0	2.5	1.9	2.7	2.0	2.9	2.0	3.0	2.2	3.1	2.1	3.3	2.1	3.5	2.1
	73	22.5	2.5	1.9	2.7	2.0	2.9	2.0	3.0	2.2	3.1	2.1	3.3	2.1	3.5	2.1
	77	25.0	2.5	1.9	2.7	2.0	2.9	2.0	3.0	2.2	3.1	2.1	3.3	2.1	3.5	2.1
	82	27.5	2.5	1.9	2.6	2.0	2.8	2.0	3.0	2.1	3.0	2.1	3.2	2.1	3.4	2.1
	86	30.0	2.5	1.9	2.6	2.0	2.8	2.0	2.9	2.1	3.0	2.1	3.1	2.0	3.3	2.0
	91	32.5	2.4	1.9	2.5	2.0	2.7	1.9	2.8	2.1	2.9	2.1	3.1	2.0	3.3	2.0
	95	35.0	2.4	1.9	2.5	1.9	2.7	1.9	2.8	2.1	2.8	2.0	3.0	2.0	3.2	2.0
	100	37.5	2.4	1.8	2.5	1.9	2.6	1.9	2.7	2.0	2.8	2.0	3.0	2.0	3.1	2.0
	104	40.0	2.3	1.8	2.4	1.9	2.6	1.9	2.7	2.0	2.7	2.0	2.9	2.0	3.1	1.9
110	43.0	2.3	1.8	2.4	1.9	2.5	1.8	2.6	2.0	2.6	1.9	2.8	1.9	3.0	1.9	
32 (3.6)	68	20.0	3.2	2.3	3.4	2.5	3.7	2.5	3.9	2.6	4.0	2.6	4.2	2.6	4.6	2.6
	73	22.5	3.2	2.3	3.4	2.5	3.7	2.5	3.9	2.6	4.0	2.6	4.2	2.6	4.6	2.6
	77	25.0	3.2	2.3	3.4	2.5	3.7	2.5	3.9	2.6	4.0	2.6	4.2	2.6	4.5	2.5
	82	27.5	3.2	2.3	3.4	2.4	3.6	2.4	3.8	2.6	3.9	2.5	4.1	2.5	4.4	2.5
	86	30.0	3.2	2.3	3.3	2.4	3.6	2.4	3.7	2.6	3.8	2.5	4.0	2.5	4.3	2.5
	91	32.5	3.1	2.3	3.3	2.4	3.5	2.4	3.7	2.5	3.7	2.5	4.0	2.5	4.2	2.4
	95	35.0	3.1	2.3	3.2	2.4	3.4	2.3	3.6	2.5	3.7	2.5	3.9	2.4	4.1	2.4
	100	37.5	3.0	2.2	3.2	2.3	3.3	2.3	3.5	2.5	3.6	2.4	3.8	2.4	4.0	2.4
	104	40.0	3.0	2.2	3.1	2.3	3.3	2.3	3.5	2.4	3.5	2.4	3.7	2.4	4.0	2.3
110	43.0	2.9	2.2	3.0	2.3	3.2	2.2	3.3	2.4	3.3	2.3	3.6	2.3	3.9	2.3	

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

## 2. CAPACITY TABLES

R410A Data G3

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

PEFY-P-VMS-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	2.0	1.7	2.1	1.8	2.3	1.8	2.4	2.0	2.4	1.9	2.6	1.9	2.8	1.9
	73	22.5	2.0	1.7	2.1	1.8	2.3	1.8	2.4	2.0	2.4	1.9	2.6	1.9	2.8	1.9
	77	25.0	2.0	1.7	2.1	1.8	2.3	1.8	2.4	2.0	2.4	1.9	2.6	1.9	2.7	1.9
	82	27.5	2.0	1.7	2.1	1.8	2.2	1.8	2.3	1.9	2.4	1.9	2.5	1.9	2.7	1.9
	86	30.0	1.9	1.7	2.0	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	1.9	1.7	2.0	1.8	2.1	1.8	2.2	1.9	2.3	1.9	2.4	1.9	2.6	1.8
	95	35.0	1.9	1.7	2.0	1.8	2.1	1.7	2.2	1.9	2.2	1.9	2.4	1.8	2.5	1.8
	100	37.5	1.8	1.7	1.9	1.7	2.0	1.7	2.1	1.9	2.2	1.8	2.3	1.8	2.5	1.8
	104	40.0	1.8	1.6	1.9	1.7	2.0	1.7	2.1	1.8	2.1	1.8	2.3	1.8	2.4	1.8
110	43.0	1.8	1.6	1.8	1.7	2.0	1.7	2.0	1.8	2.0	1.8	2.2	1.8	2.4	1.8	
25 (2.8)	68	20.0	2.5	2.0	2.7	2.1	2.9	2.1	3.0	2.2	3.1	2.2	3.3	2.2	3.5	2.2
	73	22.5	2.5	2.0	2.7	2.1	2.9	2.1	3.0	2.2	3.1	2.2	3.3	2.2	3.5	2.2
	77	25.0	2.5	2.0	2.7	2.1	2.9	2.1	3.0	2.2	3.1	2.2	3.3	2.2	3.5	2.1
	82	27.5	2.5	2.0	2.6	2.1	2.8	2.0	3.0	2.2	3.0	2.2	3.2	2.1	3.4	2.1
	86	30.0	2.5	1.9	2.6	2.0	2.8	2.0	2.9	2.2	3.0	2.1	3.1	2.1	3.3	2.1
	91	32.5	2.4	1.9	2.5	2.0	2.7	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.1
	95	35.0	2.4	1.9	2.5	2.0	2.7	2.0	2.8	2.1	2.8	2.1	3.0	2.1	3.2	2.0
	100	37.5	2.4	1.9	2.5	2.0	2.6	2.0	2.7	2.1	2.8	2.1	3.0	2.1	3.1	2.0
	104	40.0	2.3	1.9	2.4	1.9	2.6	1.9	2.7	2.1	2.7	2.1	2.9	2.0	3.1	2.0
110	43.0	2.3	1.9	2.4	1.9	2.5	1.9	2.6	2.0	2.6	2.0	2.8	2.0	3.0	2.0	
32 (3.6)	68	20.0	3.2	2.5	3.4	2.6	3.7	2.6	3.9	2.8	4.0	2.8	4.2	2.8	4.6	2.7
	73	22.5	3.2	2.5	3.4	2.6	3.7	2.6	3.9	2.8	4.0	2.8	4.2	2.8	4.6	2.7
	77	25.0	3.2	2.5	3.4	2.6	3.7	2.6	3.9	2.8	4.0	2.8	4.2	2.7	4.5	2.7
	82	27.5	3.2	2.5	3.4	2.6	3.6	2.6	3.8	2.8	3.9	2.7	4.1	2.7	4.4	2.7
	86	30.0	3.2	2.5	3.3	2.6	3.6	2.6	3.7	2.7	3.8	2.7	4.0	2.7	4.3	2.6
	91	32.5	3.1	2.4	3.3	2.5	3.5	2.5	3.7	2.7	3.7	2.7	4.0	2.6	4.2	2.6
	95	35.0	3.1	2.4	3.2	2.5	3.4	2.5	3.6	2.7	3.7	2.6	3.9	2.6	4.1	2.6
	100	37.5	3.0	2.4	3.2	2.5	3.3	2.5	3.5	2.6	3.6	2.6	3.8	2.6	4.0	2.5
	104	40.0	3.0	2.4	3.1	2.5	3.3	2.4	3.5	2.6	3.5	2.6	3.7	2.6	4.0	2.5
110	43.0	2.9	2.3	3.0	2.4	3.2	2.4	3.3	2.6	3.3	2.5	3.6	2.5	3.9	2.5	
40 (4.5)	68	20.0	4.0	3.0	4.3	3.2	4.6	3.2	4.9	3.4	5.0	3.4	5.3	3.3	5.7	3.3
	73	22.5	4.0	3.0	4.3	3.2	4.6	3.2	4.9	3.4	5.0	3.4	5.3	3.3	5.7	3.3
	77	25.0	4.0	3.0	4.3	3.2	4.6	3.2	4.9	3.4	5.0	3.4	5.3	3.3	5.6	3.3
	82	27.5	4.0	3.0	4.3	3.2	4.5	3.1	4.8	3.4	4.8	3.3	5.2	3.3	5.5	3.2
	86	30.0	4.0	3.0	4.2	3.1	4.5	3.1	4.7	3.3	4.8	3.3	5.0	3.2	5.4	3.2
	91	32.5	3.9	2.9	4.1	3.1	4.4	3.1	4.6	3.3	4.7	3.2	5.0	3.2	5.3	3.2
	95	35.0	3.8	2.9	4.0	3.1	4.3	3.0	4.5	3.2	4.6	3.2	4.9	3.2	5.2	3.1
	100	37.5	3.8	2.9	4.0	3.0	4.2	3.0	4.4	3.2	4.5	3.2	4.8	3.1	5.0	3.1
	104	40.0	3.7	2.9	3.9	3.0	4.1	3.0	4.3	3.2	4.4	3.1	4.7	3.1	5.0	3.0
110	43.0	3.6	2.8	3.8	2.9	4.0	2.9	4.2	3.1	4.2	3.0	4.5	3.0	4.8	3.0	
50 (5.6)	68	20.0	5.0	3.7	5.3	3.9	5.8	3.9	6.0	4.2	6.2	4.1	6.6	4.1	7.1	4.0
	73	22.5	5.0	3.7	5.3	3.9	5.8	3.9	6.0	4.2	6.2	4.1	6.6	4.1	7.1	4.0
	77	25.0	5.0	3.7	5.3	3.9	5.8	3.9	6.0	4.2	6.2	4.1	6.6	4.1	6.9	4.0
	82	27.5	5.0	3.7	5.3	3.9	5.7	3.8	5.9	4.1	6.0	4.0	6.4	4.0	6.8	4.0
	86	30.0	4.9	3.7	5.2	3.8	5.5	3.8	5.8	4.1	5.9	4.0	6.3	3.9	6.7	3.9
	91	32.5	4.8	3.6	5.1	3.8	5.4	3.7	5.7	4.0	5.8	4.0	6.2	3.9	6.6	3.9
	95	35.0	4.8	3.6	5.0	3.7	5.3	3.7	5.6	4.0	5.7	3.9	6.0	3.9	6.4	3.8
	100	37.5	4.7	3.5	4.9	3.7	5.2	3.6	5.5	3.9	5.5	3.8	5.9	3.8	6.3	3.7
	104	40.0	4.6	3.5	4.8	3.6	5.1	3.6	5.4	3.9	5.5	3.8	5.8	3.8	6.2	3.7
110	43.0	4.5	3.5	4.7	3.6	5.0	3.5	5.2	3.8	5.2	3.7	5.7	3.7	6.0	3.7	
63 (7.1)	68	20.0	6.4	4.7	6.8	4.9	7.3	4.9	7.7	5.3	7.8	5.2	8.4	5.2	9.0	5.1
	73	22.5	6.4	4.7	6.8	4.9	7.3	4.9	7.7	5.3	7.8	5.2	8.4	5.2	9.0	5.1
	77	25.0	6.4	4.7	6.8	4.9	7.3	4.9	7.7	5.3	7.8	5.2	8.3	5.1	8.8	5.0
	82	27.5	6.3	4.7	6.7	4.9	7.2	4.9	7.5	5.2	7.6	5.1	8.1	5.1	8.7	5.0
	86	30.0	6.2	4.6	6.6	4.8	7.0	4.8	7.4	5.1	7.5	5.1	8.0	5.0	8.5	4.9
	91	32.5	6.1	4.6	6.5	4.8	6.9	4.7	7.2	5.1	7.3	5.0	7.8	4.9	8.3	4.9
	95	35.0	6.0	4.5	6.4	4.7	6.7	4.7	7.1	5.0	7.2	4.9	7.7	4.9	8.1	4.8
	100	37.5	6.0	4.5	6.2	4.7	6.6	4.6	6.9	4.9	7.0	4.9	7.5	4.8	8.0	4.7
	104	40.0	5.9	4.4	6.1	4.6	6.5	4.6	6.8	4.9	6.9	4.8	7.3	4.7	7.8	4.7
110	43.0	5.8	4.4	6.0	4.5	6.3	4.5	6.6	4.8	6.6	4.7	7.2	4.7	7.6	4.6	

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

## 2. CAPACITY TABLES

R410A Data G3

### 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 15.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
20 (2.5)	-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 (3.2)	-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 (4.0)	-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 (5.0)	-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 (6.3)	-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 (8.0)	-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 (9.0)	-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 15.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
80 (10.0)	-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 (12.5)	-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 (16.0)	-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 (18.0)	-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 (25.0)	-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 (31.5)	-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

R410A Data G3

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

PEFY-P-VMR-E-L/R

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB 15.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
20 (2.5)	-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 (3.2)	-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 (4.0)	-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	

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

## 2. CAPACITY TABLES

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

PEFY-P-VMS-E SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB 15.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
20 (2.5)	-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 (3.2)	-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 (4.0)	-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 (5.0)	-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 (6.3)	-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 (8.0)	-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



# 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	
			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	2.4	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 G3

### 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°F WB		73°FDB / 61°F WB		77°FDB / 64°F WB		81°FDB / 66°F WB		82°FDB / 68°F WB		86°FDB / 72°F WB		90°FDB / 75°F WB	
	°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	6.2	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	8.6	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	14.0	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	16.0	11.3	17.0	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	27.6	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

R410A Data G3

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

PEFY-P-VMR-E-L/R

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	1.7	2.2	1.8	2.4	1.8	2.5	1.9	2.5	1.9	2.7	1.9	2.9	1.9
	73	22.5	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.9	2.5	1.9	2.6	1.9	2.8	1.8
	77	25.0	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.9	2.4	1.9	2.6	1.8	2.8	1.8
	82	27.5	2.1	1.7	2.1	1.8	2.3	1.7	2.3	1.9	2.4	1.9	2.5	1.8	2.7	1.8
	86	30.0	2.0	1.7	2.1	1.7	2.2	1.7	2.3	1.8	2.4	1.8	2.5	1.8	2.6	1.8
	91	32.5	2.0	1.7	2.0	1.7	2.2	1.7	2.2	1.8	2.3	1.8	2.4	1.8	2.6	1.8
	95	35.0	2.0	1.7	2.0	1.7	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.8	2.5	1.8
	100	37.5	1.9	1.6	1.9	1.7	2.1	1.7	2.1	1.8	2.2	1.8	2.4	1.8	2.5	1.7
	104	40.0	1.9	1.6	1.9	1.7	2.0	1.6	2.1	1.8	2.4	1.8	2.3	1.7	2.4	1.7
110	43.0	1.8	1.6	1.8	1.6	2.0	1.6	2.0	1.7	2.1	1.7	2.2	1.7	2.4	1.7	
25 (2.8)	68	20.0	2.7	2.0	2.8	2.1	3.0	2.1	3.1	2.2	3.2	2.2	3.4	2.2	3.6	2.1
	73	22.5	2.7	2.0	2.8	2.1	3.0	2.1	3.1	2.2	3.2	2.2	3.4	2.1	3.6	2.1
	77	25.0	2.7	2.0	2.7	2.0	2.9	2.0	3.0	2.2	3.1	2.1	3.3	2.1	3.5	2.1
	82	27.5	2.6	2.0	2.7	2.0	2.9	2.0	3.0	2.1	3.1	2.1	3.2	2.1	3.4	2.1
	86	30.0	2.6	1.9	2.6	2.0	2.8	2.0	2.9	2.1	3.0	2.1	3.2	2.1	3.4	2.0
	91	32.5	2.5	1.9	2.6	2.0	2.8	2.0	2.9	2.1	2.9	2.1	3.1	2.0	3.3	2.0
	95	35.0	2.5	1.9	2.5	1.9	2.7	1.9	2.8	2.1	2.9	2.0	3.1	2.0	3.2	2.0
	100	37.5	2.5	1.9	2.5	1.9	2.6	1.9	2.7	2.0	2.8	2.0	3.0	2.0	3.2	2.0
	104	40.0	2.4	1.9	2.4	1.9	2.6	1.9	2.7	2.0	3.0	2.1	2.9	2.0	3.1	1.9
110	43.0	2.4	1.8	2.4	1.9	2.5	1.9	2.6	2.0	2.7	2.0	2.8	1.9	3.0	1.9	
32 (3.6)	68	20.0	3.5	2.5	3.6	2.5	3.9	2.5	4.0	2.7	4.2	2.7	4.4	2.6	4.7	2.6
	73	22.5	3.5	2.5	3.6	2.5	3.8	2.5	4.0	2.7	4.1	2.6	4.3	2.6	4.6	2.6
	77	25.0	3.4	2.4	3.5	2.5	3.8	2.5	3.9	2.6	4.0	2.6	4.2	2.6	4.5	2.5
	82	27.5	3.4	2.4	3.5	2.5	3.7	2.5	3.8	2.6	3.9	2.6	4.2	2.5	4.4	2.5
	86	30.0	3.3	2.4	3.4	2.4	3.6	2.4	3.7	2.6	3.9	2.5	4.1	2.5	4.3	2.5
	91	32.5	3.3	2.4	3.3	2.4	3.5	2.4	3.7	2.5	3.8	2.5	4.0	2.5	4.2	2.4
	95	35.0	3.2	2.3	3.3	2.4	3.5	2.3	3.6	2.5	3.7	2.5	3.9	2.4	4.2	2.4
	100	37.5	3.2	2.3	3.2	2.3	3.4	2.3	3.5	2.5	3.6	2.4	3.9	2.4	4.1	2.4
	104	40.0	3.1	2.3	3.1	2.3	3.3	2.3	3.4	2.4	3.9	2.6	3.8	2.4	4.0	2.3
110	43.0	3.0	2.2	3.0	2.3	3.2	2.2	3.3	2.4	3.4	2.4	3.7	2.3	3.9	2.3	

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

## 2. CAPACITY TABLES

R410A Data G3

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

PEFY-P-VMS-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	2.0	2.5	2.0	2.7	2.0	2.9	1.9
	73	22.5	2.1	1.8	2.2	1.9	2.3	1.8	2.4	2.0	2.5	2.0	2.6	1.9	2.8	1.9
	77	25.0	2.1	1.8	2.2	1.8	2.3	1.8	2.4	2.0	2.4	1.9	2.6	1.9	2.8	1.9
	82	27.5	2.1	1.8	2.1	1.8	2.3	1.8	2.3	1.9	2.4	1.9	2.5	1.9	2.7	1.9
	86	30.0	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
	91	32.5	2.0	1.7	2.0	1.8	2.2	1.8	2.2	1.9	2.3	1.9	2.4	1.9	2.6	1.8
	95	35.0	2.0	1.7	2.0	1.8	2.1	1.7	2.2	1.9	2.3	1.9	2.4	1.8	2.5	1.8
	100	37.5	1.9	1.7	1.9	1.7	2.1	1.7	2.1	1.9	2.2	1.9	2.4	1.8	2.5	1.8
	104	40.0	1.9	1.7	1.9	1.7	2.0	1.7	2.1	1.8	2.4	1.9	2.3	1.8	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	1.8	2.2	1.8	2.4	1.8
25 (2.8)	68	20.0	2.7	2.1	2.8	2.1	3.0	2.1	3.1	2.3	3.2	2.3	3.4	2.2	3.6	2.2
	73	22.5	2.7	2.1	2.8	2.1	3.0	2.1	3.1	2.2	3.2	2.2	3.4	2.2	3.6	2.2
	77	25.0	2.7	2.0	2.7	2.1	2.9	2.1	3.0	2.2	3.1	2.2	3.3	2.2	3.5	2.1
	82	27.5	2.6	2.0	2.7	2.1	2.9	2.1	3.0	2.2	3.1	2.2	3.2	2.2	3.4	2.1
	86	30.0	2.6	2.0	2.6	2.1	2.8	2.0	2.9	2.2	3.0	2.2	3.2	2.1	3.4	2.1
	91	32.5	2.5	2.0	2.6	2.0	2.8	2.0	2.9	2.2	2.9	2.1	3.1	2.1	3.3	2.1
	95	35.0	2.5	2.0	2.5	2.0	2.7	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.2	2.1
	100	37.5	2.5	1.9	2.5	2.0	2.6	2.0	2.7	2.1	2.8	2.1	3.0	2.1	3.2	2.0
	104	40.0	2.4	1.9	2.4	2.0	2.6	1.9	2.7	2.1	3.0	2.2	2.9	2.0	3.1	2.0
	110	43.0	2.4	1.9	2.4	1.9	2.5	1.9	2.6	2.0	2.7	2.0	2.8	2.0	3.0	2.0
32 (3.6)	68	20.0	3.5	2.6	3.6	2.7	3.9	2.7	4.0	2.9	4.2	2.9	4.4	2.8	4.7	2.8
	73	22.5	3.5	2.6	3.6	2.7	3.8	2.7	4.0	2.8	4.1	2.8	4.3	2.8	4.6	2.7
	77	25.0	3.4	2.6	3.5	2.7	3.8	2.6	3.9	2.8	4.0	2.8	4.2	2.8	4.5	2.7
	82	27.5	3.4	2.6	3.5	2.6	3.7	2.6	3.8	2.8	3.9	2.8	4.2	2.7	4.4	2.7
	86	30.0	3.3	2.5	3.4	2.6	3.6	2.6	3.7	2.7	3.9	2.7	4.1	2.7	4.3	2.7
	91	32.5	3.3	2.5	3.3	2.6	3.5	2.6	3.7	2.7	3.8	2.7	4.0	2.7	4.2	2.6
	95	35.0	3.2	2.5	3.3	2.5	3.5	2.5	3.6	2.7	3.7	2.7	3.9	2.6	4.2	2.6
	100	37.5	3.2	2.5	3.2	2.5	3.4	2.5	3.5	2.6	3.6	2.6	3.9	2.6	4.1	2.6
	104	40.0	3.1	2.4	3.1	2.5	3.3	2.5	3.4	2.6	3.9	2.8	3.8	2.6	4.0	2.5
	110	43.0	3.0	2.4	3.0	2.4	3.2	2.4	3.3	2.6	3.4	2.6	3.7	2.5	3.9	2.5
40 (4.5)	68	20.0	4.4	3.2	4.5	3.3	4.9	3.3	5.0	3.5	5.2	3.5	5.5	3.4	5.9	3.4
	73	22.5	4.3	3.2	4.5	3.3	4.8	3.3	5.0	3.4	5.1	3.4	5.4	3.4	5.7	3.3
	77	25.0	4.3	3.2	4.4	3.2	4.7	3.2	4.9	3.4	5.0	3.4	5.3	3.3	5.6	3.3
	82	27.5	4.2	3.1	4.3	3.2	4.6	3.2	4.8	3.4	4.9	3.3	5.2	3.3	5.5	3.2
	86	30.0	4.1	3.1	4.2	3.2	4.5	3.1	4.7	3.3	4.8	3.3	5.1	3.3	5.4	3.2
	91	32.5	4.1	3.0	4.2	3.1	4.4	3.1	4.6	3.3	4.7	3.3	5.0	3.2	5.3	3.2
	95	35.0	4.0	3.0	4.1	3.1	4.3	3.0	4.5	3.2	4.6	3.2	4.9	3.2	5.2	3.1
	100	37.5	4.0	3.0	4.0	3.0	4.3	3.0	4.4	3.2	4.5	3.2	4.8	3.1	5.1	3.1
	104	40.0	3.9	3.0	3.9	3.0	4.2	3.0	4.3	3.2	4.9	3.3	4.7	3.1	5.0	3.1
	110	43.0	3.8	2.9	3.8	2.9	4.1	2.9	4.2	3.1	4.3	3.1	4.6	3.1	4.8	3.0
50 (5.6)	68	20.0	5.4	3.9	5.6	4.0	6.0	4.0	6.3	4.3	6.5	4.2	6.9	4.2	7.3	4.1
	73	22.5	5.4	3.9	5.6	4.0	6.0	4.0	6.2	4.2	6.4	4.2	6.7	4.1	7.1	4.1
	77	25.0	5.3	3.9	5.5	4.0	5.9	3.9	6.0	4.2	6.2	4.1	6.6	4.1	7.0	4.0
	82	27.5	5.2	3.8	5.4	3.9	5.7	3.9	5.9	4.1	6.1	4.1	6.5	4.0	6.9	4.0
	86	30.0	5.2	3.8	5.3	3.9	5.6	3.8	5.8	4.1	6.0	4.0	6.4	4.0	6.7	3.9
	91	32.5	5.1	3.7	5.2	3.8	5.5	3.8	5.7	4.0	5.9	4.0	6.2	3.9	6.6	3.9
	95	35.0	5.0	3.7	5.1	3.8	5.4	3.7	5.6	4.0	5.8	3.9	6.1	3.9	6.5	3.8
	100	37.5	4.9	3.7	5.0	3.7	5.3	3.7	5.5	3.9	5.7	3.9	6.0	3.8	6.3	3.8
	104	40.0	4.8	3.6	4.8	3.7	5.2	3.6	5.3	3.9	6.1	4.1	5.9	3.8	6.2	3.7
	110	43.0	4.7	3.5	4.7	3.6	5.0	3.6	5.2	3.8	5.3	3.8	5.7	3.7	6.0	3.7
63 (7.1)	68	20.0	6.9	4.9	7.1	5.1	7.7	5.1	8.0	5.4	8.2	5.4	8.7	5.3	9.2	5.2
	73	22.5	6.9	4.9	7.1	5.1	7.6	5.0	7.8	5.3	8.1	5.3	8.5	5.2	9.1	5.1
	77	25.0	6.8	4.9	7.0	5.0	7.4	5.0	7.7	5.3	7.9	5.2	8.4	5.2	8.9	5.1
	82	27.5	6.6	4.8	6.8	4.9	7.3	4.9	7.5	5.2	7.8	5.2	8.2	5.1	8.7	5.0
	86	30.0	6.5	4.8	6.7	4.9	7.1	4.8	7.4	5.1	7.6	5.1	8.1	5.0	8.5	4.9
	91	32.5	6.4	4.7	6.6	4.8	7.0	4.8	7.2	5.1	7.5	5.0	7.9	5.0	8.4	4.9
	95	35.0	6.3	4.7	6.4	4.7	6.8	4.7	7.1	5.0	7.3	5.0	7.7	4.9	8.2	4.8
	100	37.5	6.2	4.6	6.3	4.7	6.7	4.7	6.9	4.9	7.2	4.9	7.6	4.8	8.0	4.8
	104	40.0	6.1	4.6	6.1	4.6	6.6	4.6	6.8	4.9	7.7	5.1	7.4	4.8	7.8	4.7
	110	43.0	6.0	4.5	6.0	4.5	6.4	4.5	6.6	4.8	6.8	4.8	7.2	4.7	7.6	4.6

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

## 2. CAPACITY TABLES

R410A Data G3

### 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 (2.5)	-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 (3.2)	-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 (4.0)	-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 (5.0)	-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 (6.3)	-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 (8.0)	-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 (9.0)	-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 (10.0)	-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 (12.5)	-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 (16.0)	-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 (18.0)	-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 (25.0)	-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 (31.5)	-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

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

PEFY-P-VMR-E-L/R

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB 15.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
20 (2.5)	-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 (3.2)	-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 (4.0)	-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

A

E

C

D

E

F

G

H

I

J

V<sub>1</sub>

V<sub>4</sub>

BC

## 2. CAPACITY TABLES

R410A Data G3

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

PEFY-P-VMS-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 (2.5)	-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 (3.2)	-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 (4.0)	-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 (5.0)	-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 (6.3)	-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 (8.0)	-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	

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	
	°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 G3

### 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
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
	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	
100 (11.2)	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
	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	
125 (14.0)	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
	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	
140 (16.0)	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
	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	
200 (22.4)	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
	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	
250 (28.0)	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
	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 G3

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

PEFY-P-VMR-E-L/R

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

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.													
			71 °FDB / 59°F WB		73°FDB / 61°F WB		77°FDB / 64°F WB		81°FDB / 66°F WB		82°FDB / 68°F WB		86°FDB / 72°F WB		90°FDB / 75°F WB	
	°FDB	°CDB	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	68	20.0	2.1	1.7	2.1	1.8	2.3	1.8	2.4	1.9	2.5	1.9	2.6	1.8	2.8	1.8
	73	22.5	2.1	1.7	2.1	1.8	2.3	1.7	2.3	1.9	2.4	1.9	2.6	1.8	2.7	1.8
	77	25.0	2.0	1.7	2.1	1.7	2.2	1.7	2.3	1.9	2.4	1.9	2.6	1.8	2.7	1.8
	82	27.5	2.0	1.7	2.1	1.7	2.2	1.7	2.3	1.8	2.4	1.8	2.5	1.8	2.6	1.8
	86	30.0	2.0	1.7	2.0	1.7	2.2	1.7	2.3	1.8	2.4	1.8	2.5	1.8	2.7	1.8
	91	32.5	2.0	1.7	2.0	1.7	2.2	1.7	2.2	1.8	2.3	1.8	2.5	1.8	2.6	1.8
	95	35.0	2.0	1.7	2.0	1.7	2.1	1.7	2.2	1.8	2.3	1.8	2.5	1.8	2.6	1.8
	100	37.5	1.9	1.6	2.0	1.7	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.8	2.6	1.8
	104	40.0	1.9	1.6	1.9	1.7	2.1	1.7	2.1	1.8	2.2	1.8	2.4	1.8	2.6	1.8
110	43.0	1.9	1.6	1.9	1.7	2.1	1.7	2.1	1.8	2.2	1.8	2.4	1.8	2.6	1.8	
25 (2.8)	68	20.0	2.6	2.0	2.7	2.0	2.9	2.0	3.0	2.1	3.1	2.1	3.3	2.1	3.5	2.1
	73	22.5	2.6	2.0	2.7	2.0	2.9	2.0	3.0	2.1	3.1	2.1	3.3	2.1	3.5	2.1
	77	25.0	2.6	2.0	2.7	2.0	2.9	2.0	2.9	2.1	3.1	2.1	3.2	2.1	3.5	2.1
	82	27.5	2.6	1.9	2.6	2.0	2.8	2.0	2.9	2.1	3.0	2.1	3.2	2.1	3.4	2.0
	86	30.0	2.5	1.9	2.6	2.0	2.8	2.0	2.9	2.1	3.0	2.1	3.2	2.1	3.4	2.0
	91	32.5	2.5	1.9	2.6	2.0	2.7	2.0	2.8	2.1	3.0	2.1	3.2	2.1	3.4	2.0
	95	35.0	2.5	1.9	2.5	1.9	2.7	1.9	2.8	2.1	2.9	2.1	3.1	2.0	3.3	2.0
	100	37.5	2.5	1.9	2.5	1.9	2.7	1.9	2.8	2.0	2.9	2.1	3.1	2.0	3.3	2.0
	104	40.0	2.4	1.9	2.5	1.9	2.7	1.9	2.7	2.0	2.9	2.0	3.1	2.0	3.3	2.0
110	43.0	2.4	1.9	2.5	1.9	2.6	1.9	2.7	2.0	2.8	2.0	3.0	2.0	3.2	2.0	
32 (3.6)	68	20.0	3.4	2.4	3.5	2.5	3.7	2.5	3.9	2.6	4.0	2.6	4.2	2.6	4.5	2.5
	73	22.5	3.4	2.4	3.5	2.5	3.7	2.5	3.8	2.6	4.0	2.6	4.2	2.6	4.5	2.5
	77	25.0	3.3	2.4	3.4	2.5	3.7	2.4	3.8	2.6	3.9	2.6	4.2	2.5	4.4	2.5
	82	27.5	3.3	2.4	3.4	2.4	3.6	2.4	3.7	2.6	3.9	2.6	4.1	2.5	4.3	2.5
	86	30.0	3.3	2.4	3.3	2.4	3.6	2.4	3.7	2.5	3.9	2.5	4.1	2.5	4.4	2.5
	91	32.5	3.2	2.3	3.3	2.4	3.5	2.4	3.6	2.5	3.8	2.5	4.1	2.5	4.3	2.5
	95	35.0	3.2	2.3	3.3	2.4	3.5	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.3	2.5
	100	37.5	3.2	2.3	3.2	2.4	3.5	2.3	3.5	2.5	3.7	2.5	4.0	2.5	4.2	2.4
	104	40.0	3.1	2.3	3.2	2.3	3.4	2.3	3.5	2.4	3.7	2.5	4.0	2.5	4.2	2.4
110	43.0	3.1	2.3	3.2	2.3	3.4	2.3	3.5	2.4	3.6	2.4	3.9	2.4	4.2	2.4	

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-VMS-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	1.8	2.3	1.8	2.4	1.9	2.5	1.9	2.6	1.9	2.8	1.9
	73	22.5	2.1	1.8	2.1	1.8	2.3	1.8	2.3	1.9	2.4	1.9	2.6	1.9	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	1.9	2.6	1.9	2.7	1.9
	82	27.5	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
	86	30.0	2.0	1.7	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	1.7	2.0	1.8	2.2	1.8	2.2	1.9	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	1.9	2.3	1.9	2.5	1.9	2.6	1.8
	100	37.5	1.9	1.7	2.0	1.8	2.1	1.7	2.2	1.9	2.3	1.9	2.4	1.9	2.6	1.8
	104	40.0	1.9	1.7	1.9	1.7	2.1	1.7	2.1	1.9	2.2	1.9	2.4	1.9	2.6	1.8
110	43.0	1.9	1.7	1.9	1.7	2.1	1.7	2.1	1.8	2.2	1.9	2.4	1.8	2.6	1.8	
25 (2.8)	68	20.0	2.6	2.0	2.7	2.1	2.9	2.1	3.0	2.2	3.1	2.2	3.3	2.2	3.5	2.2
	73	22.5	2.6	2.0	2.7	2.1	2.9	2.1	3.0	2.2	3.1	2.2	3.3	2.2	3.5	2.1
	77	25.0	2.6	2.0	2.7	2.1	2.9	2.1	2.9	2.2	3.1	2.2	3.2	2.2	3.5	2.1
	82	27.5	2.6	2.0	2.6	2.1	2.8	2.0	2.9	2.2	3.0	2.2	3.2	2.1	3.4	2.1
	86	30.0	2.5	2.0	2.6	2.0	2.8	2.0	2.9	2.2	3.0	2.2	3.2	2.1	3.4	2.1
	91	32.5	2.5	2.0	2.6	2.0	2.7	2.0	2.8	2.1	3.0	2.1	3.2	2.1	3.4	2.1
	95	35.0	2.5	2.0	2.5	2.0	2.7	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.1
	100	37.5	2.5	1.9	2.5	2.0	2.7	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.1
	104	40.0	2.4	1.9	2.5	2.0	2.7	2.0	2.7	2.1	2.9	2.1	3.1	2.1	3.3	2.1
110	43.0	2.4	1.9	2.5	2.0	2.6	2.0	2.7	2.1	2.8	2.1	3.0	2.1	3.2	2.1	
32 (3.6)	68	20.0	3.4	2.6	3.5	2.7	3.7	2.6	3.9	2.8	4.0	2.8	4.2	2.8	4.5	2.7
	73	22.5	3.4	2.6	3.5	2.6	3.7	2.6	3.8	2.8	4.0	2.8	4.2	2.8	4.5	2.7
	77	25.0	3.3	2.6	3.4	2.6	3.7	2.6	3.8	2.8	3.9	2.8	4.2	2.7	4.4	2.7
	82	27.5	3.3	2.5	3.4	2.6	3.6	2.6	3.7	2.7	3.9	2.7	4.1	2.7	4.3	2.7
	86	30.0	3.3	2.5	3.3	2.6	3.6	2.6	3.7	2.7	3.9	2.7	4.1	2.7	4.4	2.7
	91	32.5	3.2	2.5	3.3	2.6	3.5	2.5	3.6	2.7	3.8	2.7	4.1	2.7	4.3	2.7
	95	35.0	3.2	2.5	3.3	2.5	3.5	2.5	3.6	2.7	3.7	2.7	4.0	2.7	4.3	2.6
	100	37.5	3.2	2.5	3.2	2.5	3.5	2.5	3.5	2.7	3.7	2.7	4.0	2.7	4.2	2.6
	104	40.0	3.1	2.4	3.2	2.5	3.4	2.5	3.5	2.6	3.7	2.7	4.0	2.6	4.2	2.6
110	43.0	3.1	2.4	3.2	2.5	3.4	2.5	3.5	2.6	3.6	2.6	3.9	2.6	4.2	2.6	
40 (4.5)	68	20.0	4.3	3.1	4.4	3.2	4.7	3.2	4.8	3.4	5.0	3.4	5.3	3.3	5.7	3.3
	73	22.5	4.2	3.1	4.3	3.2	4.6	3.2	4.8	3.4	5.0	3.4	5.3	3.3	5.6	3.3
	77	25.0	4.2	3.1	4.3	3.2	4.6	3.2	4.7	3.3	4.9	3.3	5.2	3.3	5.6	3.3
	82	27.5	4.1	3.1	4.2	3.2	4.5	3.1	4.7	3.3	4.9	3.3	5.2	3.3	5.4	3.2
	86	30.0	4.1	3.1	4.2	3.1	4.5	3.1	4.6	3.3	4.8	3.3	5.1	3.3	5.4	3.2
	91	32.5	4.1	3.0	4.1	3.1	4.4	3.1	4.5	3.3	4.8	3.3	5.1	3.3	5.4	3.2
	95	35.0	4.0	3.0	4.1	3.1	4.4	3.1	4.5	3.2	4.7	3.2	5.0	3.2	5.4	3.2
	100	37.5	4.0	3.0	4.0	3.1	4.3	3.0	4.4	3.2	4.7	3.2	5.0	3.2	5.3	3.2
	104	40.0	3.9	3.0	4.0	3.0	4.3	3.0	4.4	3.2	4.6	3.2	5.0	3.2	5.3	3.2
110	43.0	3.9	2.9	3.9	3.0	4.2	3.0	4.3	3.2	4.5	3.2	4.9	3.2	5.2	3.1	
50 (5.6)	68	20.0	5.3	3.8	5.5	4.0	5.8	3.9	6.0	4.1	6.2	4.1	6.6	4.1	7.1	4.0
	73	22.5	5.3	3.8	5.4	3.9	5.8	3.9	5.9	4.1	6.2	4.1	6.6	4.1	7.0	4.0
	77	25.0	5.2	3.8	5.3	3.9	5.7	3.9	5.9	4.1	6.1	4.1	6.5	4.0	6.9	4.0
	82	27.5	5.2	3.8	5.3	3.9	5.7	3.8	5.8	4.1	6.0	4.1	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	4.0	6.0	4.0	6.4	4.0	6.8	3.9
	91	32.5	5.0	3.7	5.2	3.8	5.5	3.8	5.7	4.0	5.9	4.0	6.3	4.0	6.7	3.9
	95	35.0	5.0	3.7	5.1	3.8	5.5	3.8	5.6	4.0	5.8	4.0	6.3	3.9	6.7	3.9
	100	37.5	4.9	3.7	5.0	3.7	5.4	3.7	5.5	3.9	5.8	4.0	6.2	3.9	6.6	3.9
	104	40.0	4.8	3.6	5.0	3.7	5.3	3.7	5.4	3.9	5.7	3.9	6.2	3.9	6.6	3.9
110	43.0	4.8	3.6	4.9	3.7	5.3	3.7	5.4	3.9	5.7	3.9	6.0	3.9	6.5	3.8	
63 (7.1)	68	20.0	6.7	4.9	6.9	5.0	7.4	5.0	7.6	5.2	7.9	5.2	8.4	5.2	8.9	5.1
	73	22.5	6.7	4.8	6.9	5.0	7.3	4.9	7.5	5.2	7.8	5.2	8.3	5.1	8.8	5.1
	77	25.0	6.6	4.8	6.8	4.9	7.2	4.9	7.5	5.2	7.7	5.2	8.2	5.1	8.8	5.0
	82	27.5	6.5	4.8	6.7	4.9	7.2	4.9	7.4	5.1	7.7	5.1	8.2	5.1	8.5	4.9
	86	30.0	6.5	4.7	6.6	4.8	7.1	4.8	7.3	5.1	7.6	5.1	8.1	5.0	8.6	5.0
	91	32.5	6.4	4.7	6.5	4.8	7.0	4.8	7.2	5.0	7.5	5.1	8.0	5.0	8.5	4.9
	95	35.0	6.3	4.7	6.4	4.7	6.9	4.7	7.1	5.0	7.4	5.0	8.0	5.0	8.4	4.9
	100	37.5	6.2	4.6	6.4	4.7	6.8	4.7	7.0	5.0	7.3	5.0	7.8	4.9	8.4	4.9
	104	40.0	6.1	4.6	6.3	4.7	6.8	4.7	6.9	4.9	7.2	4.9	7.8	4.9	8.3	4.9
110	43.0	6.1	4.6	6.2	4.6	6.7	4.6	6.8	4.9	7.2	4.9	7.7	4.9	8.2	4.8	

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

## 2. CAPACITY TABLES

R410A Data G3

### 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 15.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
20 (2.5)	-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 (3.2)	-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 (4.0)	-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 (5.0)	-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 (6.3)	-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 (8.0)	-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 (9.0)	-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 15.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
80 (10.0)	-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 (12.5)	-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 (16.0)	-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 (18.0)	-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 (25.0)	-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 (31.5)	-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

R410A Data G3

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

PEFY-P-VMR-E-L/R

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB 15.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
20 (2.5)	-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 (3.2)	-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 (4.0)	-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

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

## 2. CAPACITY TABLES

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

PEFY-P-VMS-E SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB 15.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
20 (2.5)	-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 (3.2)	-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 (4.0)	-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 (5.0)	-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 (6.3)	-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 (8.0)	-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



# 2. CAPACITY TABLES

## 2-4a. Cooling capacity in combination with PUHY-P700,750,800,850,900,950,1000,1050,1100,1150,1200,1250YSGM

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	2.4	1.9	2.4	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	2.7	2.0	2.8	2.0
	77	25.0	2.1	1.8	2.1	1.9	2.3	1.9	2.4	1.9	2.4	2.0	2.6	2.0	2.8	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	2.6	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	2.7	1.9
	91	32.5	1.9	1.7	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	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
	100	37.5	1.9	1.7	2.0	1.8	2.1	1.8	2.2	1.8	2.2	1.9	2.4	1.9	2.5	1.9
	104	40.0	1.8	1.7	1.9	1.8	2.0	1.7	2.1	1.8	2.2	1.9	2.3	1.9	2.5	1.8
	110	43.0	1.8	1.7	1.8	1.7	2.0	1.7	2.1	1.8	2.1	1.9	2.3	1.8	2.4	1.8
25 (2.8)	68	20.0	2.7	2.1	2.8	2.2	3.0	2.2	3.1	2.3	3.2	2.4	3.4	2.3	3.7	2.3
	73	22.5	2.7	2.1	2.8	2.2	3.0	2.2	3.1	2.2	3.2	2.3	3.4	2.3	3.6	2.3
	77	25.0	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
	82	27.5	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
	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	2.0	2.6	2.1	2.7	2.1	2.8	2.2	2.9	2.2	3.1	2.2	3.3	2.2
	95	35.0	2.4	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
	100	37.5	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
	104	40.0	2.4	2.0	2.4	2.0	2.6	2.0	2.7	2.1	2.8	2.2	3.0	2.2	3.2	2.1
	110	43.0	2.3	2.0	2.4	2.0	2.5	2.0	2.6	2.1	2.7	2.2	2.9	2.1	3.1	2.1
32 (3.6)	68	20.0	3.5	2.7	3.6	2.8	3.9	2.8	4.0	2.8	4.1	2.9	4.4	2.9	4.7	2.9
	73	22.5	3.4	2.6	3.5	2.7	3.8	2.7	3.9	2.8	4.1	2.9	4.4	2.9	4.6	2.8
	77	25.0	3.4	2.6	3.5	2.7	3.7	2.7	3.9	2.8	4.0	2.9	4.2	2.8	4.5	2.8
	82	27.5	3.3	2.6	3.4	2.7	3.7	2.7	3.8	2.7	3.9	2.8	4.2	2.8	4.5	2.8
	86	30.0	3.2	2.6	3.4	2.7	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	2.5	3.3	2.6	3.5	2.6	3.7	2.7	3.8	2.8	4.0	2.7	4.3	2.7
	95	35.0	3.1	2.5	3.2	2.6	3.5	2.6	3.6	2.6	3.7	2.7	4.0	2.7	4.2	2.7
	100	37.5	3.1	2.5	3.2	2.6	3.4	2.6	3.5	2.6	3.7	2.7	3.9	2.7	4.1	2.7
	104	40.0	3.0	2.5	3.1	2.5	3.3	2.5	3.5	2.6	3.6	2.7	3.8	2.7	4.1	2.6
	110	43.0	3.0	2.4	3.0	2.5	3.2	2.5	3.4	2.5	3.5	2.7	3.7	2.6	4.0	2.6
40 (4.5)	68	20.0	4.3	3.3	4.5	3.4	4.8	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	4.4	3.4	4.7	3.4	4.9	3.4	5.1	3.6	5.4	3.5	5.8	3.5
	77	25.0	4.2	3.2	4.4	3.3	4.7	3.3	4.8	3.4	5.0	3.5	5.3	3.5	5.7	3.4
	82	27.5	4.1	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
	86	30.0	4.1	3.1	4.2	3.3	4.5	3.2	4.7	3.3	4.8	3.4	5.1	3.4	5.5	3.4
	91	32.5	4.0	3.1	4.1	3.2	4.4	3.2	4.6	3.3	4.7	3.4	5.0	3.4	5.4	3.3
	95	35.0	3.9	3.1	4.1	3.2	4.3	3.2	4.5	3.2	4.6	3.4	5.0	3.3	5.3	3.3
	100	37.5	3.8	3.0	4.0	3.2	4.3	3.1	4.4	3.2	4.6	3.3	4.9	3.3	5.2	3.3
	104	40.0	3.8	3.0	3.9	3.1	4.2	3.1	4.3	3.2	4.5	3.3	4.8	3.3	5.1	3.2
	110	43.0	3.7	3.0	3.8	3.1	4.1	3.0	4.2	3.1	4.4	3.3	4.7	3.2	5.0	3.2
50 (5.6)	68	20.0	5.4	3.9	5.6	4.0	6.0	4.0	6.2	4.0	6.4	4.2	6.9	4.1	7.3	4.1
	73	22.5	5.3	3.8	5.5	3.9	5.9	3.9	6.1	4.0	6.3	4.1	6.8	4.1	7.2	4.0
	77	25.0	5.3	3.8	5.4	3.9	5.8	3.9	6.0	3.9	6.2	4.1	6.6	4.0	7.1	4.0
	82	27.5	5.2	3.7	5.3	3.8	5.7	3.8	5.9	3.9	6.1	4.0	6.5	4.0	6.9	3.9
	86	30.0	5.0	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	3.6	5.1	3.7	5.5	3.7	5.7	3.8	5.9	3.9	6.3	3.9	6.7	3.9
	95	35.0	4.9	3.6	5.0	3.7	5.4	3.7	5.6	3.7	5.8	3.9	6.2	3.9	6.6	3.8
	100	37.5	4.8	3.5	5.0	3.7	5.3	3.6	5.5	3.7	5.7	3.9	6.0	3.8	6.4	3.8
	104	40.0	4.7	3.5	4.8	3.6	5.2	3.6	5.4	3.7	5.6	3.8	5.9	3.8	6.3	3.7
	110	43.0	4.6	3.4	4.7	3.5	5.0	3.5	5.2	3.6	5.4	3.7	5.8	3.7	6.2	3.7
63 (7.1)	68	20.0	6.9	5.1	7.1	5.2	7.6	5.2	7.9	5.3	8.2	5.5	8.7	5.5	9.3	5.4
	73	22.5	6.7	5.0	7.0	5.2	7.5	5.2	7.8	5.2	8.0	5.5	8.6	5.4	9.1	5.3
	77	25.0	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
	82	27.5	6.5	4.9	6.7	5.1	7.2	5.0	7.5	5.1	7.7	5.3	8.3	5.3	8.8	5.2
	86	30.0	6.4	4.8	6.6	5.0	7.1	5.0	7.3	5.1	7.6	5.3	8.1	5.2	8.7	5.2
	91	32.5	6.3	4.8	6.5	4.9	7.0	4.9	7.2	5.0	7.5	5.2	8.0	5.2	8.5	5.1
	95	35.0	6.2	4.7	6.4	4.9	6.8	4.9	7.1	5.0	7.3	5.2	7.8	5.1	8.3	5.0
	100	37.5	6.1	4.7	6.3	4.9	6.7	4.8	7.0	4.9	7.2	5.1	7.7	5.1	8.2	5.0
	104	40.0	6.0	4.6	6.1	4.8	6.6	4.7	6.8	4.8	7.1	5.1	7.5	5.0	8.0	4.9
	110	43.0	5.8	4.6	6.0	4.7	6.4	4.7	6.6	4.8	6.9	5.0	7.3	4.9	7.8	4.9
71 (8.0)	68	20.0	7.7	5.7	8.0	5.8	8.6	5.8	8.9	5.9	9.2	6.2	9.8	6.1	10.4	6.0
	73	22.5	7.6	5.6	7.9	5.8	8.4	5.8	8.7	5.9	9.0	6.1	9.7	6.0	10.2	5.9
	77	25.0	7.5	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
	82	27.5	7.4	5.5	7.6	5.6	8.2	5.6	8.4	5.7	8.7	5.9	9.3	5.9	9.9	5.8
	86	30.0	7.2	5.4	7.5	5.6	8.0	5.6	8.3	5.7	8.6	5.9	9.1	5.8	9.8	5.8
	91	32.5	7.1	5.3	7.3	5.5	7.8	5.5	8.1	5.6	8.4	5.8	9.0	5.8	9.6	5.7
	95	35.0	7.0	5.3	7.2	5.5	7.7	5.4	8.0	5.5	8.2	5.7	8.8	5.7	9.4	5.6
	100	37.5	6.8	5.2	7.1	5.4	7.6	5.4	7.8	5.5	8.1	5.7	8.6	5.6	9.2	5.6
	104	40.0	6.7	5.2	6.9	5.3	7.4	5.3	7.7	5.4	8.0	5.6	8.5	5.6	9.0	5.5
	110	43.0	6.6	5.1	6.7	5.2	7.2	5.2	7.5	5.3	7.8	5.5	8.3	5.5	8.8	5.4

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

## 2. CAPACITY TABLES

R410A Data G3

### 2-4a. Cooling capacity in combination with PUHY-P700,750,800,850,900,950,1000,1050,1100,1150,1200,1250YSGM

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°F WB		73°FDB / 61°F WB		77°FDB / 64°F WB		81°FDB / 66°F WB		82°FDB / 68°F WB		86°FDB / 72°F WB		90°FDB / 75°F WB	
	°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	10.0	6.7	10.4	7.0	11.1	6.9	11.7	6.8
	73	22.5	8.6	6.3	8.9	6.5	9.5	6.5	9.8	6.6	10.2	6.9	10.9	6.8	11.5	6.7
	77	25.0	8.5	6.3	8.7	6.5	9.4	6.5	9.7	6.6	10.0	6.8	10.6	6.7	11.3	6.7
	82	27.5	8.3	6.2	8.6	6.4	9.2	6.4	9.5	6.5	9.8	6.7	10.5	6.7	11.2	6.6
	86	30.0	8.1	6.1	8.4	6.3	9.0	6.3	9.3	6.4	9.6	6.7	10.3	6.6	11.0	6.5
	91	32.5	8.0	6.0	8.2	6.2	8.8	6.2	9.1	6.3	9.5	6.6	10.1	6.5	10.8	6.4
	95	35.0	7.8	6.0	8.1	6.2	8.6	6.1	9.0	6.3	9.3	6.5	9.9	6.4	10.5	6.4
	100	37.5	7.7	5.9	8.0	6.1	8.5	6.1	8.8	6.2	9.1	6.5	9.7	6.4	10.4	6.3
	104	40.0	7.6	5.8	7.7	6.0	8.3	6.0	8.6	6.1	9.0	6.4	9.5	6.3	10.1	6.2
110	43.0	7.4	5.8	7.6	5.9	8.1	5.9	8.4	6.0	8.7	6.3	9.3	6.2	9.9	6.1	
100 (11.2)	68	20.0	10.8	8.6	11.2	8.9	12.0	8.9	12.5	9.1	12.9	9.4	13.8	9.4	14.6	9.2
	73	22.5	10.6	8.5	11.0	8.8	11.8	8.8	12.2	9.0	12.7	9.4	13.6	9.3	14.3	9.1
	77	25.0	10.5	8.5	10.9	8.8	11.6	8.7	12.0	8.9	12.4	9.3	13.2	9.2	14.1	9.1
	82	27.5	10.3	8.4	10.6	8.7	11.4	8.6	11.8	8.8	12.2	9.2	13.0	9.1	13.9	9.0
	86	30.0	10.1	8.3	10.5	8.6	11.2	8.5	11.6	8.7	12.0	9.1	12.8	9.0	13.7	8.9
	91	32.5	9.9	8.2	10.2	8.5	11.0	8.4	11.4	8.6	11.8	9.0	12.5	8.9	13.4	8.8
	95	35.0	9.7	8.1	10.1	8.4	10.8	8.3	11.2	8.6	11.5	8.9	12.3	8.8	13.1	8.7
	100	37.5	9.6	8.0	10.0	8.3	10.6	8.3	11.0	8.5	11.4	8.8	12.1	8.8	12.9	8.6
	104	40.0	9.4	7.9	9.6	8.2	10.4	8.2	10.8	8.4	11.1	8.8	11.9	8.7	12.6	8.6
110	43.0	9.2	7.8	9.4	8.1	10.1	8.1	10.5	8.3	10.9	8.7	11.6	8.6	12.3	8.5	
125 (14.0)	68	20.0	13.5	9.9	14.0	10.2	15.1	10.2	15.6	10.4	16.1	10.8	17.2	10.7	18.3	10.6
	73	22.5	13.3	9.8	13.8	10.1	14.8	10.1	15.3	10.3	15.8	10.7	16.9	10.6	17.9	10.4
	77	25.0	13.2	9.8	13.6	10.0	14.6	10.0	15.1	10.2	15.5	10.6	16.5	10.4	17.6	10.3
	82	27.5	12.9	9.6	13.3	9.9	14.3	9.9	14.8	10.0	15.3	10.4	16.3	10.4	17.4	10.2
	86	30.0	12.6	9.5	13.1	9.8	14.0	9.8	14.5	9.9	15.0	10.3	16.0	10.2	17.1	10.1
	91	32.5	12.4	9.4	12.8	9.7	13.7	9.6	14.2	9.8	14.7	10.2	15.7	10.1	16.7	10.0
	95	35.0	12.2	9.3	12.6	9.6	13.4	9.5	14.0	9.7	14.4	10.1	15.4	10.0	16.4	9.9
	100	37.5	12.0	9.2	12.5	9.5	13.2	9.4	13.7	9.6	14.2	10.0	15.1	9.9	16.1	9.8
	104	40.0	11.8	9.1	12.0	9.3	13.0	9.3	13.4	9.5	13.9	9.9	14.8	9.8	15.8	9.6
110	43.0	11.5	8.9	11.8	9.2	12.6	9.1	13.1	9.3	13.6	9.7	14.5	9.6	15.4	9.5	
140 (16.0)	68	20.0	15.4	11.4	16.0	11.7	17.2	11.7	17.8	11.9	18.4	12.3	19.7	12.2	20.9	12.1
	73	22.5	15.2	11.2	15.8	11.6	16.9	11.6	17.5	11.7	18.1	12.2	19.4	12.1	20.5	11.9
	77	25.0	15.0	11.2	15.5	11.5	16.6	11.4	17.2	11.6	17.8	12.1	18.9	11.9	20.2	11.8
	82	27.5	14.7	11.0	15.2	11.3	16.3	11.3	16.9	11.5	17.4	11.9	18.6	11.8	19.8	11.7
	86	30.0	14.4	10.8	15.0	11.2	16.0	11.2	16.6	11.3	17.1	11.8	18.2	11.7	19.5	11.6
	91	32.5	14.2	10.7	14.6	11.1	15.7	11.0	16.2	11.2	16.8	11.7	17.9	11.6	19.1	11.4
	95	35.0	13.9	10.6	14.4	10.9	15.4	10.9	16.0	11.1	16.5	11.5	17.6	11.4	18.7	11.3
	100	37.5	13.7	10.5	14.2	10.9	15.1	10.8	15.7	11.0	16.2	11.4	17.3	11.3	18.4	11.2
	104	40.0	13.4	10.4	13.8	10.6	14.8	10.6	15.4	10.8	15.9	11.3	17.0	11.2	18.0	11.0
110	43.0	13.1	10.2	13.4	10.5	14.4	10.4	15.0	10.7	15.5	11.1	16.6	11.0	17.6	10.9	
200 (22.4)	68	20.0	21.6	16.3	22.4	16.8	24.1	16.8	24.9	17.0	25.8	17.7	27.6	17.6	29.2	17.3
	73	22.5	21.3	16.1	22.1	16.6	23.6	16.6	24.5	16.9	25.3	17.5	27.1	17.4	28.7	17.1
	77	25.0	21.1	16.0	21.7	16.5	23.3	16.4	24.1	16.7	24.9	17.4	26.4	17.1	28.2	17.0
	82	27.5	20.6	15.8	21.3	16.3	22.8	16.2	23.6	16.5	24.4	17.2	26.1	17.0	27.8	16.8
	86	30.0	20.2	15.5	20.9	16.1	22.4	16.0	23.2	16.3	24.0	17.0	25.5	16.8	27.3	16.6
	91	32.5	19.8	15.4	20.5	15.9	22.0	15.8	22.7	16.1	23.5	16.8	25.1	16.6	26.8	16.4
	95	35.0	19.5	15.2	20.2	15.7	21.5	15.6	22.4	16.0	23.1	16.6	24.6	16.5	26.2	16.2
	100	37.5	19.2	15.1	19.9	15.6	21.2	15.5	22.0	15.8	22.7	16.5	24.2	16.3	25.8	16.1
	104	40.0	18.8	14.9	19.3	15.3	20.7	15.3	21.5	15.6	22.3	16.3	23.7	16.1	25.2	15.9
110	43.0	18.4	14.7	18.8	15.1	20.2	15.0	20.9	15.4	21.7	16.1	23.2	15.9	24.6	15.7	
250 (28.0)	68	20.0	27.0	20.2	28.0	20.9	30.1	20.8	31.2	21.2	32.2	22.0	34.4	21.9	36.5	21.5
	73	22.5	26.6	20.0	27.6	20.7	29.5	20.6	30.6	21.0	31.6	21.8	33.9	21.6	35.8	21.3
	77	25.0	26.3	19.9	27.2	20.5	29.1	20.4	30.1	20.7	31.1	21.6	33.0	21.3	35.3	21.1
	82	27.5	25.8	19.6	26.6	20.2	28.6	20.2	29.5	20.5	30.5	21.3	32.6	21.1	34.7	20.9
	86	30.0	25.2	19.3	26.2	20.0	28.0	19.9	29.0	20.3	30.0	21.1	31.9	20.9	34.2	20.7
	91	32.5	24.8	19.1	25.6	19.7	27.4	19.7	28.4	20.0	29.4	20.9	31.4	20.7	33.5	20.4
	95	35.0	24.4	18.9	25.2	19.5	26.9	19.4	28.0	19.9	28.8	20.6	30.8	20.4	32.8	20.2
	100	37.5	23.9	18.7	24.9	19.4	26.5	19.2	27.4	19.6	28.4	20.5	30.2	20.2	32.2	20.0
	104	40.0	23.5	18.5	24.1	19.0	25.9	19.0	26.9	19.4	27.9	20.2	29.7	20.0	31.5	19.7
110	43.0	23.0	18.2	23.5	18.8	25.2	18.7	26.2	19.1	27.2	20.0	29.0	19.8	30.8	19.5	

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

## 2. CAPACITY TABLES

R410A Data G3

### 2-4a. Cooling capacity in combination with PUHY-P700,750,800,850,900,950,1000,1050,1100,1150,1200,1250YSGM

PEFY-P-VMR-E-L/R

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	1.7	2.2	1.8	2.4	1.8	2.4	1.9	2.5	1.9	2.7	1.9	2.9	1.9
	73	22.5	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.9	2.5	1.9	2.7	1.9	2.8	1.8
	77	25.0	2.1	1.7	2.1	1.8	2.3	1.8	2.4	1.9	2.4	1.9	2.6	1.8	2.8	1.8
	82	27.5	2.0	1.7	2.1	1.7	2.2	1.7	2.3	1.9	2.4	1.9	2.6	1.8	2.7	1.8
	86	30.0	2.0	1.7	2.1	1.7	2.2	1.7	2.3	1.8	2.4	1.8	2.5	1.8	2.7	1.8
	91	32.5	1.9	1.6	2.0	1.7	2.2	1.7	2.2	1.8	2.3	1.8	2.5	1.8	2.6	1.8
	95	35.0	1.9	1.6	2.0	1.7	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.8	2.6	1.8
	100	37.5	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	1.7
	104	40.0	1.8	1.6	1.9	1.7	2.0	1.6	2.1	1.8	2.2	1.8	2.3	1.8	2.5	1.7
110	43.0	1.8	1.6	1.8	1.6	2.0	1.6	2.1	1.8	2.1	1.7	2.3	1.7	2.4	1.7	
25 (2.8)	68	20.0	2.7	2.0	2.8	2.1	3.0	2.1	3.1	2.2	3.2	2.2	3.4	2.2	3.7	2.1
	73	22.5	2.7	2.0	2.8	2.1	3.0	2.0	3.1	2.2	3.2	2.2	3.4	2.1	3.6	2.1
	77	25.0	2.6	2.0	2.7	2.0	2.9	2.0	3.0	2.1	3.1	2.1	3.3	2.1	3.5	2.1
	82	27.5	2.6	1.9	2.7	2.0	2.9	2.0	3.0	2.1	3.1	2.1	3.3	2.1	3.5	2.1
	86	30.0	2.5	1.9	2.6	2.0	2.8	2.0	2.9	2.1	3.0	2.1	3.2	2.1	3.4	2.1
	91	32.5	2.5	1.9	2.6	2.0	2.7	2.0	2.8	2.1	2.9	2.1	3.1	2.0	3.3	2.0
	95	35.0	2.4	1.9	2.5	1.9	2.7	1.9	2.8	2.1	2.9	2.0	3.1	2.0	3.3	2.0
	100	37.5	2.4	1.9	2.5	1.9	2.6	1.9	2.7	2.0	2.8	2.0	3.0	2.0	3.2	2.0
	104	40.0	2.4	1.8	2.4	1.9	2.6	1.9	2.7	2.0	2.8	2.0	3.0	2.0	3.2	2.0
110	43.0	2.3	1.8	2.4	1.9	2.5	1.9	2.6	2.0	2.7	2.0	2.9	2.0	3.1	1.9	
32 (3.6)	68	20.0	3.5	2.5	3.6	2.5	3.9	2.5	4.0	2.7	4.1	2.7	4.4	2.6	4.7	2.6
	73	22.5	3.4	2.4	3.5	2.5	3.8	2.5	3.9	2.6	4.1	2.6	4.4	2.6	4.6	2.6
	77	25.0	3.4	2.4	3.5	2.5	3.7	2.5	3.9	2.6	4.0	2.6	4.2	2.6	4.5	2.5
	82	27.5	3.3	2.4	3.4	2.4	3.7	2.4	3.8	2.6	3.9	2.6	4.2	2.6	4.5	2.5
	86	30.0	3.2	2.3	3.4	2.4	3.6	2.4	3.7	2.5	3.9	2.5	4.1	2.5	4.4	2.5
	91	32.5	3.2	2.3	3.3	2.4	3.5	2.4	3.7	2.5	3.8	2.5	4.0	2.5	4.3	2.5
	95	35.0	3.1	2.3	3.2	2.4	3.5	2.3	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.4
	100	37.5	3.1	2.3	3.2	2.3	3.4	2.3	3.5	2.5	3.7	2.5	3.9	2.4	4.1	2.4
	104	40.0	3.0	2.2	3.1	2.3	3.3	2.3	3.5	2.4	3.6	2.4	3.8	2.4	4.1	2.4
110	43.0	3.0	2.2	3.0	2.3	3.2	2.2	3.4	2.4	3.5	2.4	3.7	2.4	4.0	2.3	

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

## 2. CAPACITY TABLES

R410A Data G3

### 2-4a. Cooling capacity in combination with PUHY-P700,750,800,850,900,950,1000,1050,1100,1150,1200,1250YSGM

PEFY-P-VMS-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	1.8	2.4	2.0	2.5	2.0	2.7	2.0	2.9	1.9
	73	22.5	2.1	1.8	2.2	1.8	2.3	1.8	2.4	2.0	2.5	2.0	2.7	1.9	2.8	1.9
	77	25.0	2.1	1.8	2.1	1.8	2.3	1.8	2.4	1.9	2.4	1.9	2.6	1.9	2.8	1.9
	82	27.5	2.0	1.7	2.1	1.8	2.2	1.8	2.3	1.9	2.4	1.9	2.6	1.9	2.7	1.9
	86	30.0	2.0	1.7	2.1	1.8	2.2	1.8	2.3	1.9	2.4	1.9	2.5	1.9	2.7	1.9
	91	32.5	1.9	1.7	2.0	1.8	2.2	1.8	2.2	1.9	2.3	1.9	2.5	1.9	2.6	1.9
	95	35.0	1.9	1.7	2.0	1.8	2.1	1.7	2.2	1.9	2.3	1.9	2.4	1.9	2.6	1.8
	100	37.5	1.9	1.7	2.0	1.7	2.1	1.7	2.2	1.9	2.2	1.9	2.4	1.8	2.5	1.8
	104	40.0	1.8	1.7	1.9	1.7	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	1.6	1.8	1.7	2.0	1.7	2.1	1.8	2.1	1.8	2.3	1.8	2.4	1.8
25 (2.8)	68	20.0	2.7	2.1	2.8	2.1	3.0	2.1	3.1	2.3	3.2	2.3	3.4	2.2	3.7	2.2
	73	22.5	2.7	2.0	2.8	2.1	3.0	2.1	3.1	2.2	3.2	2.2	3.4	2.2	3.6	2.2
	77	25.0	2.6	2.0	2.7	2.1	2.9	2.1	3.0	2.2	3.1	2.2	3.3	2.2	3.5	2.2
	82	27.5	2.6	2.0	2.7	2.1	2.9	2.1	3.0	2.2	3.1	2.2	3.3	2.2	3.5	2.1
	86	30.0	2.5	2.0	2.6	2.0	2.8	2.0	2.9	2.2	3.0	2.2	3.2	2.1	3.4	2.1
	91	32.5	2.5	2.0	2.6	2.0	2.7	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.1
	95	35.0	2.4	1.9	2.5	2.0	2.7	2.0	2.8	2.1	2.9	2.1	3.1	2.1	3.3	2.1
	100	37.5	2.4	1.9	2.5	2.0	2.6	2.0	2.7	2.1	2.8	2.1	3.0	2.1	3.2	2.0
	104	40.0	2.4	1.9	2.4	1.9	2.6	1.9	2.7	2.1	2.8	2.1	3.0	2.1	3.2	2.0
	110	43.0	2.3	1.9	2.4	1.9	2.5	1.9	2.6	2.1	2.7	2.0	2.9	2.0	3.1	2.0
32 (3.6)	68	20.0	3.5	2.6	3.6	2.7	3.9	2.7	4.0	2.9	4.1	2.9	4.4	2.8	4.7	2.8
	73	22.5	3.4	2.6	3.5	2.7	3.8	2.7	3.9	2.8	4.1	2.8	4.4	2.8	4.6	2.8
	77	25.0	3.4	2.6	3.5	2.6	3.7	2.6	3.9	2.8	4.0	2.8	4.2	2.8	4.5	2.7
	82	27.5	3.3	2.5	3.4	2.6	3.7	2.6	3.8	2.8	3.9	2.8	4.2	2.7	4.5	2.7
	86	30.0	3.2	2.5	3.4	2.6	3.6	2.6	3.7	2.7	3.9	2.7	4.1	2.7	4.4	2.7
	91	32.5	3.2	2.5	3.3	2.6	3.5	2.5	3.7	2.7	3.8	2.7	4.0	2.7	4.3	2.6
	95	35.0	3.1	2.4	3.2	2.5	3.5	2.5	3.6	2.7	3.7	2.7	4.0	2.6	4.2	2.6
	100	37.5	3.1	2.4	3.2	2.5	3.4	2.5	3.5	2.7	3.7	2.6	3.9	2.6	4.1	2.6
	104	40.0	3.0	2.4	3.1	2.5	3.3	2.5	3.5	2.6	3.6	2.6	3.8	2.6	4.1	2.6
	110	43.0	3.0	2.4	3.0	2.4	3.2	2.4	3.4	2.6	3.5	2.6	3.7	2.6	4.0	2.5
40 (4.5)	68	20.0	4.3	3.2	4.5	3.3	4.8	3.3	5.0	3.5	5.2	3.5	5.5	3.4	5.9	3.4
	73	22.5	4.3	3.1	4.4	3.3	4.7	3.2	4.9	3.4	5.1	3.4	5.4	3.4	5.8	3.3
	77	25.0	4.2	3.1	4.4	3.2	4.7	3.2	4.8	3.4	5.0	3.4	5.3	3.3	5.7	3.3
	82	27.5	4.1	3.1	4.3	3.2	4.6	3.2	4.7	3.4	4.9	3.3	5.2	3.3	5.6	3.3
	86	30.0	4.1	3.0	4.2	3.1	4.5	3.1	4.7	3.3	4.8	3.3	5.1	3.3	5.5	3.2
	91	32.5	4.0	3.0	4.1	3.1	4.4	3.1	4.6	3.3	4.7	3.3	5.0	3.2	5.4	3.2
	95	35.0	3.9	3.0	4.1	3.1	4.3	3.0	4.5	3.2	4.6	3.2	5.0	3.2	5.3	3.2
	100	37.5	3.8	2.9	4.0	3.0	4.3	3.0	4.4	3.2	4.6	3.2	4.9	3.2	5.2	3.1
	104	40.0	3.8	2.9	3.9	3.0	4.2	3.0	4.3	3.2	4.5	3.2	4.8	3.1	5.1	3.1
	110	43.0	3.7	2.9	3.8	2.9	4.1	2.9	4.2	3.1	4.4	3.1	4.7	3.1	5.0	3.0
50 (5.6)	68	20.0	5.4	3.9	5.6	4.0	6.0	4.0	6.2	4.2	6.4	4.2	6.9	4.2	7.3	4.1
	73	22.5	5.3	3.9	5.5	4.0	5.9	4.0	6.1	4.2	6.3	4.2	6.8	4.2	7.2	4.1
	77	25.0	5.3	3.8	5.4	3.9	5.8	3.9	6.0	4.1	6.2	4.1	6.6	4.1	7.1	4.0
	82	27.5	5.2	3.8	5.3	3.9	5.7	3.9	5.9	4.1	6.1	4.1	6.5	4.0	6.9	4.0
	86	30.0	5.0	3.7	5.2	3.8	5.6	3.8	5.8	4.0	6.0	4.0	6.4	4.0	6.8	4.0
	91	32.5	5.0	3.7	5.1	3.8	5.5	3.8	5.7	4.0	5.9	4.0	6.3	3.9	6.7	3.9
	95	35.0	4.9	3.6	5.0	3.7	5.4	3.7	5.6	4.0	5.8	3.9	6.2	3.9	6.6	3.9
	100	37.5	4.8	3.6	5.0	3.7	5.3	3.7	5.5	3.9	5.7	3.9	6.0	3.9	6.4	3.8
	104	40.0	4.7	3.5	4.8	3.6	5.2	3.6	5.4	3.9	5.6	3.9	5.9	3.8	6.3	3.8
	110	43.0	4.6	3.5	4.7	3.6	5.0	3.6	5.2	3.8	5.4	3.8	5.8	3.8	6.2	3.7
63 (7.1)	68	20.0	6.9	4.9	7.1	5.1	7.6	5.1	7.9	5.4	8.2	5.3	8.7	5.3	9.3	5.2
	73	22.5	6.7	4.9	7.0	5.0	7.5	5.0	7.8	5.3	8.0	5.3	8.6	5.2	9.1	5.2
	77	25.0	6.7	4.8	6.9	5.0	7.4	5.0	7.6	5.2	7.9	5.2	8.4	5.2	8.9	5.1
	82	27.5	6.5	4.8	6.7	4.9	7.2	4.9	7.5	5.2	7.7	5.2	8.3	5.1	8.8	5.0
	86	30.0	6.4	4.7	6.6	4.9	7.1	4.8	7.3	5.1	7.6	5.1	8.1	5.0	8.7	5.0
	91	32.5	6.3	4.6	6.5	4.8	7.0	4.8	7.2	5.1	7.5	5.0	8.0	5.0	8.5	4.9
	95	35.0	6.2	4.6	6.4	4.7	6.8	4.7	7.1	5.0	7.3	5.0	7.8	4.9	8.3	4.9
	100	37.5	6.1	4.5	6.3	4.7	6.7	4.7	7.0	4.9	7.2	4.9	7.7	4.9	8.2	4.8
	104	40.0	6.0	4.5	6.1	4.6	6.6	4.6	6.8	4.9	7.1	4.9	7.5	4.8	8.0	4.7
	110	43.0	5.8	4.4	6.0	4.5	6.4	4.5	6.6	4.8	6.9	4.8	7.3	4.7	7.8	4.7

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

## 2. CAPACITY TABLES

R410A Data G3

### 2-4b. Heating capacity in combination with PUHY-P700,750,800,850,900,950,1000,1050,1100,1150,1200,1250YSGM

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 (2.5)	-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	1.7
	23	-5.0	2.0	2.0	1.9	1.8
	32	0.0	2.3	2.2	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 (3.2)	-4	-20.0	1.6	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	2.4
	32	0.0	2.9	2.9	2.5	2.4
	37	2.5	3.1	3.0	2.5	2.4
	43	6.0	3.3	3.2	2.5	2.4
	46	7.5	3.4	3.2	2.5	2.4
	50	10.0	3.6	3.2	2.5	2.4
	55	12.5	3.7	3.2	2.5	2.4
60	15.5	3.7	3.2	2.5	2.4	
32 (4.0)	-4	-20.0	2.0	2.0	2.0	2.0
	5	-15.0	2.4	2.4	2.4	2.3
	14	-10.0	2.8	2.8	2.7	2.7
	23	-5.0	3.2	3.2	3.1	2.9
	32	0.0	3.6	3.6	3.2	2.9
	37	2.5	3.8	3.8	3.2	2.9
	43	6.0	4.1	4.0	3.2	2.9
	46	7.5	4.2	4.0	3.2	2.9
	50	10.0	4.4	4.0	3.2	2.9
	55	12.5	4.6	4.0	3.2	2.9
60	15.5	4.6	4.0	3.2	2.9	
40 (5.0)	-4	-20.0	2.5	2.5	2.5	2.5
	5	-15.0	3.1	3.0	3.0	2.9
	14	-10.0	3.6	3.5	3.4	3.4
	23	-5.0	4.1	4.0	3.9	3.7
	32	0.0	4.6	4.5	4.0	3.7
	37	2.5	4.8	4.7	4.0	3.7
	43	6.0	5.2	5.0	4.0	3.7
	46	7.5	5.3	5.0	4.0	3.7
	50	10.0	5.6	5.0	4.0	3.7
	55	12.5	5.8	5.0	4.0	3.7
60	15.5	5.8	5.0	4.0	3.7	
50 (6.3)	-4	-20.0	3.2	3.2	3.2	3.1
	5	-15.0	3.8	3.8	3.7	3.7
	14	-10.0	4.5	4.4	4.3	4.2
	23	-5.0	5.1	5.0	4.9	4.6
	32	0.0	5.7	5.6	5.0	4.6
	37	2.5	6.0	5.9	5.0	4.6
	43	6.0	6.5	6.3	5.0	4.6
	46	7.5	6.7	6.3	5.0	4.6
	50	10.0	7.0	6.3	5.0	4.6
	55	12.5	7.3	6.3	5.0	4.6
60	15.5	7.3	6.3	5.0	4.6	
63 (8.0)	-4	-20.0	4.0	4.0	4.0	3.9
	5	-15.0	4.9	4.8	4.8	4.6
	14	-10.0	5.7	5.6	5.4	5.4
	23	-5.0	6.5	6.4	6.2	5.9
	32	0.0	7.3	7.2	6.4	5.9
	37	2.5	7.7	7.5	6.4	5.9
	43	6.0	8.2	8.0	6.4	5.9
	46	7.5	8.5	8.0	6.4	5.9
	50	10.0	8.9	8.0	6.4	5.9
	55	12.5	9.3	8.0	6.4	5.9
60	15.5	9.3	8.0	6.4	5.9	
71 (9.0)	-4	-20.0	4.5	4.5	4.5	4.4
	5	-15.0	5.5	5.4	5.4	5.2
	14	-10.0	6.4	6.3	6.1	6.0
	23	-5.0	7.3	7.2	6.9	6.6
	32	0.0	8.2	8.1	7.2	6.6
	37	2.5	8.6	8.5	7.2	6.6
	43	6.0	9.3	9.0	7.2	6.6
	46	7.5	9.5	9.0	7.2	6.6
	50	10.0	10.0	9.0	7.2	6.6
	55	12.5	10.4	9.0	7.2	6.6
60	15.5	10.4	9.0	7.2	6.6	

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 (10.0)	-4	-20.0	5.0	5.0	4.9	4.9
	5	-15.0	6.1	6.0	6.0	5.8
	14	-10.0	7.1	7.0	6.8	6.7
	23	-5.0	8.1	8.0	7.7	7.4
	32	0.0	9.1	9.0	8.0	7.4
	37	2.5	9.6	9.4	8.0	7.4
	43	6.0	10.3	10.0	8.0	7.4
	46	7.5	10.6	10.0	8.0	7.4
	50	10.0	11.1	10.0	8.0	7.4
	55	12.5	11.6	10.0	8.0	7.4
60	15.5	11.6	10.0	8.0	7.4	
100 (12.5)	-4	-20.0	6.3	6.3	6.3	6.1
	5	-15.0	7.6	7.5	7.4	7.3
	14	-10.0	8.9	8.8	8.5	8.4
	23	-5.0	10.1	10.0	9.6	9.2
	32	0.0	11.4	11.2	9.9	9.2
	37	2.5	12.0	11.8	9.9	9.2
	43	6.0	12.9	12.5	9.9	9.2
	46	7.5	13.3	12.5	9.9	9.2
	50	10.0	13.9	12.5	9.9	9.2
	55	12.5	14.5	12.5	9.9	9.2
60	15.5	14.5	12.5	9.9	9.2	
125 (16.0)	-4	-20.0	8.0	8.0	8.0	7.8
	5	-15.0	9.8	9.6	9.5	9.3
	14	-10.0	11.4	11.2	10.9	10.7
	23	-5.0	13.0	12.8	12.3	11.8
	32	0.0	14.6	14.3	12.7	11.8
	37	2.5	15.4	15.0	12.7	11.8
	43	6.0	16.5	16.0	12.7	11.8
	46	7.5	17.0	16.0	12.7	11.8
	50	10.0	17.8	16.0	12.7	11.8
	55	12.5	18.6	16.0	12.7	11.8
60	15.5	18.6	16.0	12.7	11.8	
140 (18.0)	-4	-20.0	9.0	9.0	9.0	8.8
	5	-15.0	11.0	10.8	10.7	10.4
	14	-10.0	12.8	12.6	12.2	12.1
	23	-5.0	14.6	14.4	13.9	13.2
	32	0.0	16.4	16.1	14.3	13.2
	37	2.5	17.3	16.9	14.3	13.2
	43	6.0	18.5	18.0	14.3	13.2
	46	7.5	19.1	18.0	14.3	13.2
	50	10.0	20.0	18.0	14.3	13.2
	55	12.5	20.9	18.0	14.3	13.2
60	15.5	20.9	18.0	14.3	13.2	
200 (25.0)	-4	-20.0	12.5	12.5	12.5	12.3
	5	-15.0	15.3	15.0	14.9	14.5
	14	-10.0	17.8	17.5	17.0	16.8
	23	-5.0	20.3	20.0	19.3	18.4
	32	0.0	22.8	22.4	19.9	18.4
	37	2.5	24.0	23.5	19.9	18.4
	43	6.0	25.8	25.0	19.9	18.4
	46	7.5	26.5	25.0	19.9	18.4
	50	10.0	27.8	25.0	19.9	18.4
	55	12.5	29.0	25.0	19.9	18.4
60	15.5	29.0	25.0	19.9	18.4	
250 (31.5)	-4	-20.0	15.8	15.8	15.8	15.4
	5	-15.0	19.2	18.9	18.7	18.3
	14	-10.0	22.4	22.1	21.4	21.1
	23	-5.0	25.5	25.2	24.3	23.2
	32	0.0	28.7	28.2	25.0	23.2
	37	2.5	30.2	29.6	25.0	23.2
	43	6.0	32.4	31.5	25.0	23.2
	46	7.5	33.4	31.5	25.0	23.2
	50	10.0	35.0	31.5	25.0	23.2
	55	12.5	36.5	31.5	25.0	23.2
60	15.5	36.5	31.5	25.0	23.2	

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

## 2. CAPACITY TABLES

### 2-4b. Heating capacity in combination with PUHY-P700,750,800,850,900,950,1000,1050,1100,1150,1200,1250YSGM

PEFY-P-VMR-E-L/R

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB 15.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
20 (2.5)	-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	1.7
	23	-5.0	2.0	2.0	1.9	1.8
	32	0.0	2.3	2.2	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 (3.2)	-4	-20.0	1.6	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	2.4
	32	0.0	2.9	2.9	2.5	2.4
	37	2.5	3.1	3.0	2.5	2.4
	43	6.0	3.3	3.2	2.5	2.4
	46	7.5	3.4	3.2	2.5	2.4
	50	10.0	3.6	3.2	2.5	2.4
	55	12.5	3.7	3.2	2.5	2.4
	60	15.5	3.7	3.2	2.5	2.4
32 (4.0)	-4	-20.0	2.0	2.0	2.0	2.0
	5	-15.0	2.4	2.4	2.4	2.3
	14	-10.0	2.8	2.8	2.7	2.7
	23	-5.0	3.2	3.2	3.1	2.9
	32	0.0	3.6	3.6	3.2	2.9
	37	2.5	3.8	3.8	3.2	2.9
	43	6.0	4.1	4.0	3.2	2.9
	46	7.5	4.2	4.0	3.2	2.9
	50	10.0	4.4	4.0	3.2	2.9
	55	12.5	4.6	4.0	3.2	2.9
	60	15.5	4.6	4.0	3.2	2.9

A  
E  
C  
D  
E  
F  
G  
H  
I  
J  
V<sub>1</sub>  
V<sub>4</sub>  
BC

## 2. CAPACITY TABLES

R410A Data G3

### 2-4b. Heating capacity in combination with PUHY-P700,750,800,850,900,950,1000,1050,1100,1150,1200,1250YSGM

PEFY-P-VMS-E

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB 15.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
20 (2.5)	-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	1.7
	23	-5.0	2.0	2.0	1.9	1.8
	32	0.0	2.3	2.2	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 (3.2)	-4	-20.0	1.6	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	2.4
	32	0.0	2.9	2.9	2.5	2.4
	37	2.5	3.1	3.0	2.5	2.4
	43	6.0	3.3	3.2	2.5	2.4
	46	7.5	3.4	3.2	2.5	2.4
	50	10.0	3.6	3.2	2.5	2.4
	55	12.5	3.7	3.2	2.5	2.4
60	15.5	3.7	3.2	2.5	2.4	
32 (4.0)	-4	-20.0	2.0	2.0	2.0	2.0
	5	-15.0	2.4	2.4	2.4	2.3
	14	-10.0	2.8	2.8	2.7	2.7
	23	-5.0	3.2	3.2	3.1	2.9
	32	0.0	3.6	3.6	3.2	2.9
	37	2.5	3.8	3.8	3.2	2.9
	43	6.0	4.1	4.0	3.2	2.9
	46	7.5	4.2	4.0	3.2	2.9
	50	10.0	4.4	4.0	3.2	2.9
	55	12.5	4.6	4.0	3.2	2.9
60	15.5	4.6	4.0	3.2	2.9	
40 (5.0)	-4	-20.0	2.5	2.5	2.5	2.5
	5	-15.0	3.1	3.0	3.0	2.9
	14	-10.0	3.6	3.5	3.4	3.4
	23	-5.0	4.1	4.0	3.9	3.7
	32	0.0	4.6	4.5	4.0	3.7
	37	2.5	4.8	4.7	4.0	3.7
	43	6.0	5.2	5.0	4.0	3.7
	46	7.5	5.3	5.0	4.0	3.7
	50	10.0	5.6	5.0	4.0	3.7
	55	12.5	5.8	5.0	4.0	3.7
60	15.5	5.8	5.0	4.0	3.7	
50 (6.3)	-4	-20.0	3.2	3.2	3.2	3.1
	5	-15.0	3.8	3.8	3.7	3.7
	14	-10.0	4.5	4.4	4.3	4.2
	23	-5.0	5.1	5.0	4.9	4.6
	32	0.0	5.7	5.6	5.0	4.6
	37	2.5	6.0	5.9	5.0	4.6
	43	6.0	6.5	6.3	5.0	4.6
	46	7.5	6.7	6.3	5.0	4.6
	50	10.0	7.0	6.3	5.0	4.6
	55	12.5	7.3	6.3	5.0	4.6
60	15.5	7.3	6.3	5.0	4.6	
63 (8.0)	-4	-20.0	4.0	4.0	4.0	3.9
	5	-15.0	4.9	4.8	4.8	4.6
	14	-10.0	5.7	5.6	5.4	5.4
	23	-5.0	6.5	6.4	6.2	5.9
	32	0.0	7.3	7.2	6.4	5.9
	37	2.5	7.7	7.5	6.4	5.9
	43	6.0	8.2	8.0	6.4	5.9
	46	7.5	8.5	8.0	6.4	5.9
	50	10.0	8.9	8.0	6.4	5.9
	55	12.5	9.3	8.0	6.4	5.9
60	15.5	9.3	8.0	6.4	5.9	

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



## 2. CAPACITY TABLES

R410A Data G3

### 2-5a. Cooling capacity in combination with PQHY,PQRY-P200,250YGM, PQHY,PQRY-P400,500YGM

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 G3

### 2-5a. Cooling capacity in combination with PQHY,PQRY-P200,250YGM, PQHY,PQRY-P400,500YSGM

PEFY-P-VMR-E-L/R

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	
			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	
	°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	2.2	1.8	2.4	1.8	2.5	1.9	2.5	1.9	2.7	1.9	2.8	1.9
	68	20.0	2.1	1.7	2.1	1.8	2.3	1.7	2.3	1.9	2.4	1.9	2.6	1.8	2.7	1.8
	86	30.0	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	1.7
	104	40.0	1.7	1.6	1.8	1.6	1.9	1.6	2.0	1.7	2.0	1.7	2.2	1.7	2.3	1.7
	113	45.0	1.6	1.5	1.7	1.6	1.8	1.6	1.9	1.7	1.9	1.7	2.0	1.6	2.1	1.6
25 (2.8)	50	10.0	2.8	2.0	2.9	2.1	3.0	2.1	3.1	2.2	3.2	2.2	3.4	2.2	3.6	2.1
	68	20.0	2.6	2.0	2.7	2.0	2.9	2.0	3.0	2.1	3.1	2.1	3.3	2.1	3.4	2.1
	86	30.0	2.4	1.9	2.5	1.9	2.7	1.9	2.8	2.1	2.9	2.0	3.0	2.0	3.2	2.0
	104	40.0	2.2	1.8	2.3	1.8	2.4	1.8	2.5	1.9	2.6	1.9	2.7	1.9	2.9	1.9
	113	45.0	2.1	1.7	2.1	1.8	2.3	1.8	2.4	1.9	2.4	1.9	2.6	1.8	2.7	1.8
32 (3.6)	50	10.0	3.6	2.5	3.7	2.6	3.9	2.6	4.0	2.7	4.2	2.7	4.4	2.6	4.7	2.6
	68	20.0	3.4	2.4	3.5	2.5	3.7	2.5	3.8	2.6	4.0	2.6	4.2	2.6	4.4	2.5
	86	30.0	3.1	2.3	3.3	2.4	3.5	2.3	3.6	2.5	3.7	2.5	3.9	2.4	4.1	2.4
	104	40.0	2.8	2.1	2.9	2.2	3.1	2.2	3.2	2.3	3.3	2.3	3.5	2.3	3.7	2.2
	113	45.0	2.7	2.1	2.8	2.1	2.9	2.1	3.0	2.2	3.1	2.2	3.3	2.2	3.5	2.2

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

## 2. CAPACITY TABLES

R410A Data G3

### 2-5a. Cooling capacity in combination with PQHY,PQRY-P200,250YGM, PQHY,PQRY-P400,500YSGM

PEFY-P-VMS-E

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

Model size (Rated kW)	Water temp.		Indoor air temp.													
			71°FDB / 59°FWB 21.5°CDB / 15°CWB		73°FDB / 61°FWB 23°CDB / 16°CWB		77°FDB / 64°FWB 25°CDB / 18°CWB		81°FDB / 66°FWB 27°CDB / 19°CWB		82°FDB / 68°FWB 28°CDB / 20°CWB		86°FDB / 72°FWB 30°CDB / 22°CWB		90°FDB / 75°FWB 32°CDB / 24°CWB	
	°F	°C	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	50	10.0	2.2	1.8	2.2	1.9	2.4	1.9	2.5	2.0	2.5	2.0	2.7	2.0	2.8	1.9
	68	20.0	2.1	1.8	2.1	1.8	2.3	1.8	2.3	1.9	2.4	1.9	2.6	1.9	2.7	1.9
	86	30.0	1.9	1.7	2.0	1.8	2.1	1.7	2.2	1.9	2.2	1.9	2.4	1.8	2.5	1.8
	104	40.0	1.7	1.6	1.8	1.7	1.9	1.7	2.0	1.8	2.0	1.8	2.2	1.8	2.3	1.7
	113	45.0	1.6	1.6	1.7	1.6	1.8	1.6	1.9	1.7	1.9	1.7	2.0	1.7	2.1	1.7
25 (2.8)	50	10.0	2.8	2.1	2.9	2.2	3.0	2.1	3.1	2.3	3.2	2.3	3.4	2.2	3.6	2.2
	68	20.0	2.6	2.0	2.7	2.1	2.9	2.1	3.0	2.2	3.1	2.2	3.3	2.2	3.4	2.1
	86	30.0	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	2.0
	104	40.0	2.2	1.8	2.3	1.9	2.4	1.9	2.5	2.0	2.6	2.0	2.7	2.0	2.9	1.9
	113	45.0	2.1	1.8	2.1	1.8	2.3	1.8	2.4	1.9	2.4	1.9	2.6	1.9	2.7	1.9
32 (3.6)	50	10.0	3.6	2.7	3.7	2.7	3.9	2.7	4.0	2.9	4.2	2.9	4.4	2.8	4.7	2.8
	68	20.0	3.4	2.6	3.5	2.6	3.7	2.6	3.8	2.8	4.0	2.8	4.2	2.7	4.4	2.7
	86	30.0	3.1	2.5	3.3	2.5	3.5	2.5	3.6	2.7	3.7	2.7	3.9	2.6	4.1	2.6
	104	40.0	2.8	2.3	2.9	2.4	3.1	2.4	3.2	2.5	3.3	2.5	3.5	2.5	3.7	2.4
	113	45.0	2.7	2.2	2.8	2.3	2.9	2.3	3.0	2.5	3.1	2.4	3.3	2.4	3.5	2.4
40 (4.5)	50	10.0	4.4	3.2	4.6	3.3	4.9	3.3	5.0	3.5	5.2	3.5	5.5	3.4	5.8	3.4
	68	20.0	4.2	3.1	4.4	3.2	4.7	3.2	4.8	3.4	4.9	3.4	5.2	3.3	5.5	3.3
	86	30.0	3.9	3.0	4.1	3.1	4.3	3.0	4.5	3.2	4.6	3.2	4.9	3.2	5.2	3.1
	104	40.0	3.6	2.8	3.7	2.9	3.9	2.9	4.0	3.1	4.2	3.0	4.4	3.0	4.7	2.9
	113	45.0	3.3	2.7	3.5	2.8	3.7	2.8	3.8	3.0	3.9	2.9	4.1	2.9	4.4	2.9
50 (5.6)	50	10.0	5.5	4.0	5.7	4.1	6.1	4.0	6.3	4.3	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	4.1	6.1	4.1	6.5	4.0	6.9	4.0
	86	30.0	4.9	3.6	5.1	3.8	5.4	3.7	5.6	3.9	5.7	3.9	6.1	3.9	6.4	3.8
	104	40.0	4.4	3.4	4.6	3.5	4.9	3.5	5.0	3.7	5.2	3.7	5.5	3.6	5.8	3.6
	113	45.0	4.2	3.3	4.3	3.4	4.6	3.4	4.7	3.6	4.9	3.6	5.2	3.5	5.5	3.5
63 (7.1)	50	10.0	7.0	5.0	7.2	5.2	7.7	5.1	8.0	5.4	8.2	5.4	8.7	5.3	9.2	5.2
	68	20.0	6.7	4.8	6.9	5.0	7.3	4.9	7.6	5.2	7.8	5.2	8.3	5.1	8.7	5.0
	86	30.0	6.2	4.6	6.4	4.7	6.8	4.7	7.1	5.0	7.3	4.9	7.7	4.9	8.1	4.8
	104	40.0	5.6	4.3	5.8	4.4	6.2	4.4	6.4	4.7	6.6	4.7	7.0	4.6	7.4	4.5
	113	45.0	5.3	4.1	5.4	4.3	5.8	4.2	6.0	4.5	6.2	4.5	6.5	4.4	6.9	4.4

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

## 2. CAPACITY TABLES

R410A Data G3

### 2-5b. 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 (2.5)	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 (3.2)	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 (4.0)	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 (5.0)	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 (6.3)	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 (8.0)	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 (9.0)	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 (10.0)	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 (12.5)	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 (16.0)	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 (18.0)	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 (25.0)	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 (31.5)	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

### 2-5b. Heating capacity in combination with PQHY,PQRY-P200,250YGM, PQHY,PQRY-P400,500YSGM

PEFY-P-VMR-E-L/R

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
	°F	°C	15.0°CDB	19.0°CDB	20.0°CDB	25.0°CDB	27.0°CDB
20 (2.5)	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 (3.2)	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 (4.0)	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

- A
- B
- C
- D
- E
- F
- G
- H
- I
- J
- V<sub>1</sub>
- V<sub>2</sub>
- BC

## 2. CAPACITY TABLES

R410A Data G3

### 2-5b. Heating capacity in combination with PQHY,PQRY-P200,250YGM, PQHY,PQRY-P400,500YSGM

PEFY-P-VMS-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 (2.5)	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 (3.2)	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 (4.0)	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 (5.0)	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 (6.3)	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 (8.0)	50	10	6.3	6.3	6.3	5.4	4.9
	68	20	8.0	8.0	8.0	6.8	6.2
	86	30	8.0	8.0	8.0	6.8	6.2
	104	40	8.0	8.0	8.0	6.8	6.2
	113	45	8.0	8.0	8.0	6.8	6.2

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

# 2. CAPACITY TABLES

## 2-6a. Cooling capacity in combination with PUMY-P100,125,140YHM,VHM

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 G3

### 2-6a. Cooling capacity in combination with PUMY-P100,125,140YHM,VHM

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 G3

### 2-6a. Cooling capacity in combination with PUMY-P100,125,140YHM,VHM

PEFY-P-VMR-E-L/R

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

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.													
			71°FDB / 59°FWB 21.5°CDB / 15°CWB		73°FDB / 61°FWB 23°CDB / 16°CWB		77°FDB / 64°FWB 25°CDB / 18°CWB		81°FDB / 66°FWB 27°CDB / 19°CWB		82°FDB / 68°FWB 28°CDB / 20°CWB		86°FDB / 72°FWB 30°CDB / 22°CWB		90°FDB / 75°FWB 32°CDB / 24°CWB	
	°FDB	°CDB	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC	CA	SHC
20 (2.2)	68	20.0	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.9	2.4	1.9	2.6	1.8	2.7	1.8
	73	22.5	2.0	1.7	2.1	1.8	2.3	1.7	2.3	1.9	2.4	1.9	2.6	1.8	2.7	1.8
	77	25.0	2.0	1.7	2.1	1.8	2.2	1.7	2.3	1.9	2.4	1.8	2.5	1.8	2.6	1.8
	82	27.5	2.0	1.7	2.1	1.7	2.2	1.7	2.3	1.8	2.4	1.8	2.5	1.8	2.6	1.8
	86	30.0	2.0	1.7	2.1	1.7	2.2	1.7	2.3	1.8	2.3	1.8	2.5	1.8	2.6	1.8
	91	32.5	1.9	1.6	2.0	1.7	2.2	1.7	2.2	1.8	2.3	1.8	2.4	1.8	2.6	1.8
	95	35.0	1.9	1.6	2.0	1.7	2.1	1.7	2.2	1.8	2.3	1.8	2.4	1.8	2.5	1.8
	100	37.5	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	1.7
	104	40.0	1.8	1.6	1.9	1.7	2.1	1.7	2.1	1.8	2.2	1.8	2.4	1.8	2.5	1.7
110	43.0	1.8	1.6	1.9	1.7	2.1	1.7	2.1	1.8	2.2	1.8	2.3	1.7	2.4	1.7	
25 (2.8)	68	20.0	2.6	2.0	2.8	2.1	2.9	2.0	3.0	2.1	3.1	2.1	3.3	2.1	3.4	2.1
	73	22.5	2.6	2.0	2.7	2.0	2.9	2.0	3.0	2.1	3.1	2.1	3.2	2.1	3.4	2.0
	77	25.0	2.6	1.9	2.7	2.0	2.9	2.0	2.9	2.1	3.0	2.1	3.2	2.1	3.4	2.0
	82	27.5	2.5	1.9	2.7	2.0	2.8	2.0	2.9	2.1	3.0	2.1	3.2	2.1	3.3	2.0
	86	30.0	2.5	1.9	2.6	2.0	2.8	2.0	2.9	2.1	3.0	2.1	3.2	2.1	3.3	2.0
	91	32.5	2.5	1.9	2.6	2.0	2.8	2.0	2.8	2.1	2.9	2.1	3.1	2.0	3.3	2.0
	95	35.0	2.4	1.9	2.6	2.0	2.7	1.9	2.8	2.1	2.9	2.0	3.1	2.0	3.2	2.0
	100	37.5	2.4	1.9	2.5	1.9	2.7	1.9	2.8	2.0	2.8	2.0	3.0	2.0	3.2	2.0
	104	40.0	2.3	1.8	2.5	1.9	2.7	1.9	2.7	2.0	2.8	2.0	3.0	2.0	3.2	2.0
110	43.0	2.3	1.8	2.4	1.9	2.6	1.9	2.7	2.0	2.7	2.0	3.0	2.0	3.1	1.9	
32 (3.6)	68	20.0	3.4	2.4	3.6	2.5	3.7	2.5	3.9	2.6	4.0	2.6	4.2	2.6	4.4	2.5
	73	22.5	3.3	2.4	3.5	2.5	3.7	2.5	3.8	2.6	4.0	2.6	4.2	2.5	4.4	2.5
	77	25.0	3.3	2.4	3.5	2.5	3.7	2.4	3.8	2.6	3.9	2.6	4.1	2.5	4.3	2.5
	82	27.5	3.3	2.4	3.4	2.5	3.6	2.4	3.7	2.6	3.9	2.5	4.1	2.5	4.3	2.5
	86	30.0	3.2	2.3	3.4	2.4	3.6	2.4	3.7	2.5	3.8	2.5	4.1	2.5	4.2	2.4
	91	32.5	3.2	2.3	3.3	2.4	3.6	2.4	3.7	2.5	3.8	2.5	4.0	2.5	4.2	2.4
	95	35.0	3.1	2.3	3.3	2.4	3.5	2.4	3.6	2.5	3.7	2.5	4.0	2.5	4.2	2.4
	100	37.5	3.1	2.3	3.2	2.4	3.5	2.4	3.6	2.5	3.7	2.5	3.9	2.4	4.1	2.4
	104	40.0	3.0	2.2	3.2	2.3	3.4	2.3	3.5	2.5	3.6	2.4	3.9	2.4	4.1	2.4
110	43.0	2.9	2.2	3.1	2.3	3.4	2.3	3.4	2.4	3.5	2.4	3.8	2.4	4.0	2.3	

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

# 2. CAPACITY TABLES

## 2-6a. Cooling capacity in combination with PUMY-P100,125,140YHM,VHM

PEFY-P-VMS-E

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

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

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

## 2. CAPACITY TABLES

R410A Data G3

### 2-6b. Heating capacity in combination with PUMY-P100,125,140YHM,VHM

PEFY-P-VML-E,VMH-E

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB 15.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
20 (2.5)	-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 (3.2)	-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 (4.0)	-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 (5.0)	-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 (6.3)	-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 (8.0)	-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 (9.0)	-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 15.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
80 (10.0)	-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 (12.5)	-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 (16.0)	-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 (18.0)	-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

## 2. CAPACITY TABLES

R410A Data G3

### 2-6b. Heating capacity in combination with PUMY-P100,125,140YHM,VHM

PEFY-P-VMR-E-L/R

SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB 15.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
20 (2.5)	-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 (3.2)	-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 (4.0)	-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

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

## 2. CAPACITY TABLES

### 2-6b. Heating capacity in combination with PUMY-P100,125,140YHM,VHM

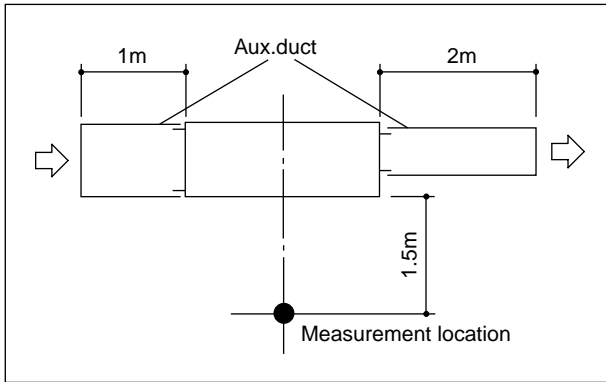
PEFY-P-VMS-E SHC : Sensible Heat Capacity(kW)

Model size (Rated kW)	Outdoor air temp.		Indoor air temp.			
			59 °FDB 15.0°CDB	68 °FDB 20.0°CDB	77 °FDB 25.0°CDB	81 °FDB 27.0°CDB
	°FWB	°CWB	SHC	SHC	SHC	SHC
20 (2.5)	-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 (3.2)	-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 (4.0)	-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 (5.0)	-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 (6.3)	-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 (8.0)	-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

### 3. SOUND LEVELS

#### 3-1. Sound levels

PEFY-P-VML-E,VMR-E-L/R,VMS-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)
PEFY-P20VMR-E-L/R	220V	20-25-30
	230V	21-26-32
	240V	22-27-30
PEFY-P25VMR-E-L/R	220V	20-25-30
	230V	21-26-32
	240V	22-27-30
PEFY-P32VMR-E-L/R	220V	20-25-33
	230V	21-26-35
	240V	22-27-33

Sound level at anechoic room : Low-Mid-High

		Sound level dB (A)			
		5Pa	15Pa	35Pa	50Pa
PEFY-P20VMS-E	220-240V	21-23-26	22-25-27	25-27-30	26-29-32
PEFY-P25VMS-E	220-240V	21-23-26	22-25-27	25-27-30	26-29-32
PEFY-P32VMS-E	220-240V	23-26-29	25-28-30	27-29-33	28-31-35
PEFY-P40VMS-E	220-240V	26-28-30	28-30-33	30-32-35	31-33-36
PEFY-P50VMS-E	220-240V	29-31-34	30-32-35	31-34-37	32-34-38
PEFY-P63VMS-E	220-240V	29-32-35	30-33-36	31-35-39	32-36-40

Sound level at anechoic room : Low-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
PEFY-P140VMH-E	230, 240V	36-42	38-44	38-47
PEFY-P200VMH-E	380V	42	-	45
	400, 415V	44	-	47
PEFY-P250VMH-E	380V	50	-	52
	400, 415V	52	-	54

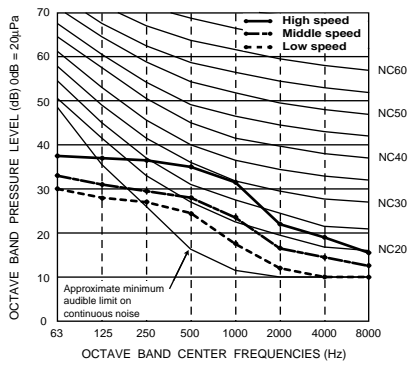
\* External static pressure of PEFY-P40-140VMH-E  
 Low : 50Pa at 220V, 100Pa at 230, 240V  
 Mid : 100Pa at 220V, 150Pa at 230, 240V  
 High : 200Pa at 220V, 200Pa at 230, 240V

\* External static pressure of PEFY-P200-250VMH-E  
 Low : 110Pa at 380V, 130Pa at 400,415V  
 High : 220Pa at 380V, 260Pa at 400,415V

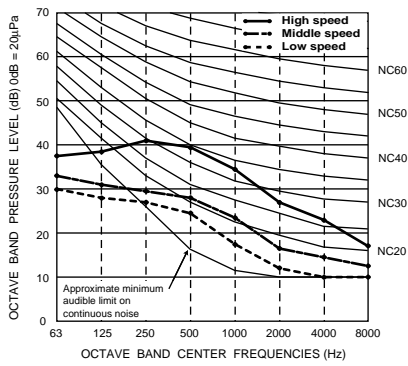


## 3-2. NC curves

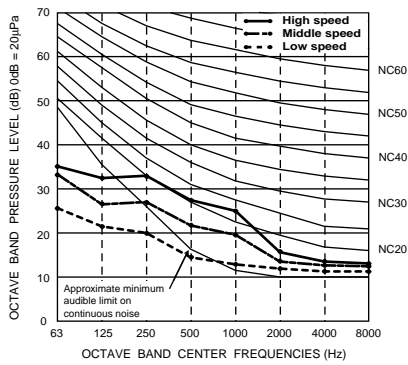
**PEFY-P20,25VML-E**  
 External static pressure : 5Pa  
 Power source : 220,230,240V, 50/60Hz



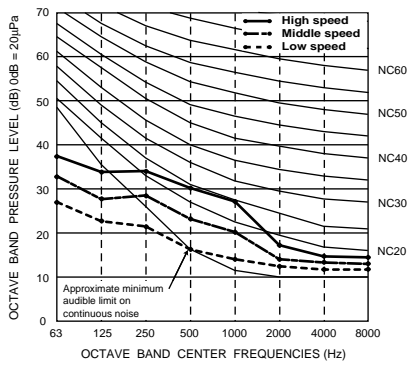
**PEFY-P32VML-E**  
 External static pressure : 5Pa  
 Power source : 220,230,240V, 50/60Hz



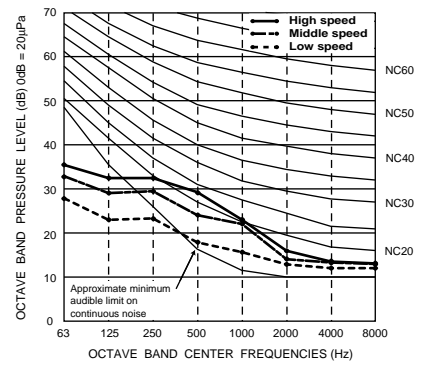
**PEFY-P20,25VMR-E-L/R**  
 External static pressure : 5Pa  
 Power source : 220V, 50/60Hz



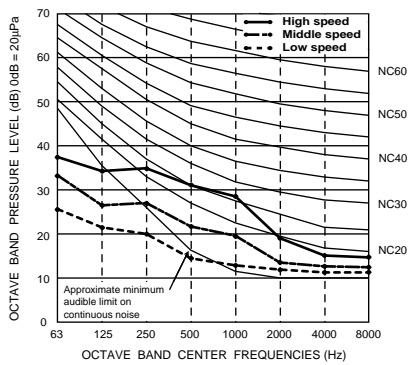
**PEFY-P20,25VMR-E-L/R**  
 External static pressure : 5Pa  
 Power source : 230V, 50/60Hz



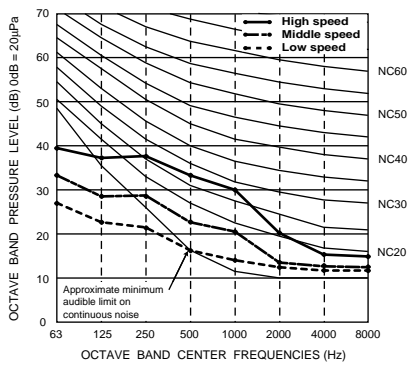
**PEFY-P20,25VMR-E-L/R**  
 External static pressure : 5Pa  
 Power source : 240V, 50Hz



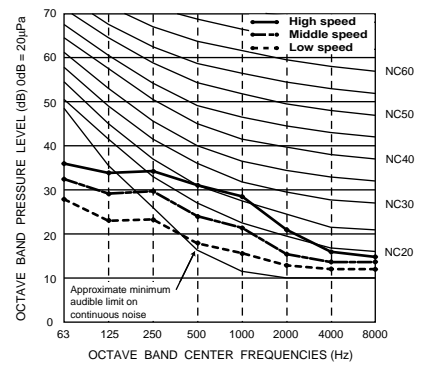
**PEFY-P32VMR-E-L/R**  
 External static pressure : 5Pa  
 Power source : 220V, 50/60Hz



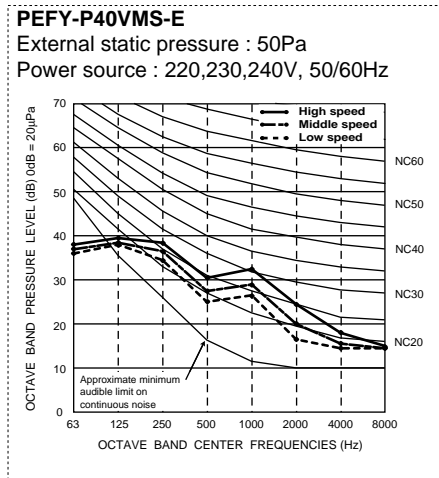
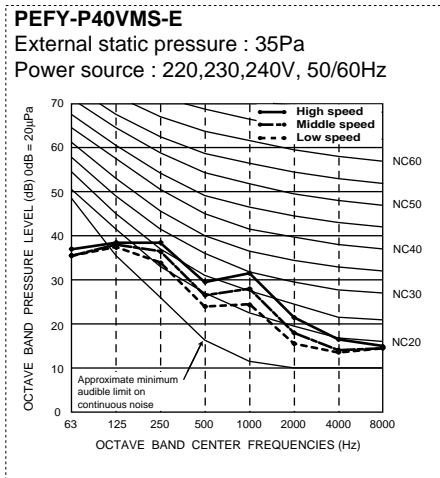
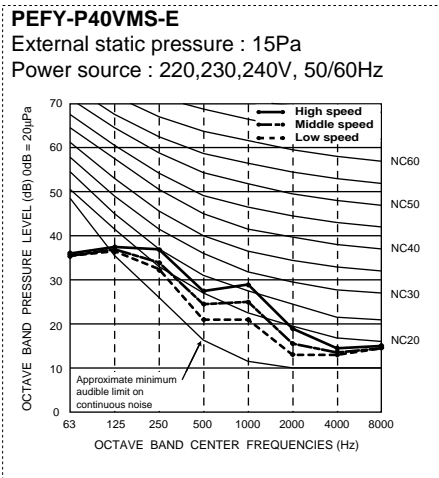
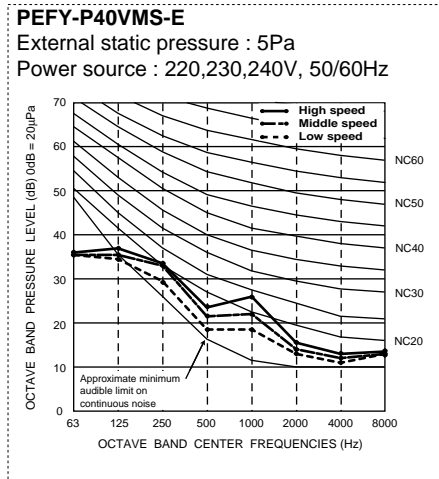
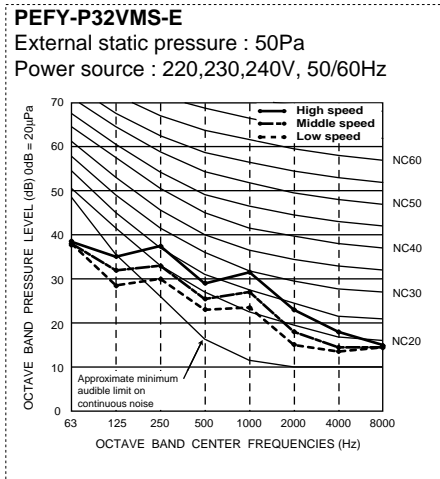
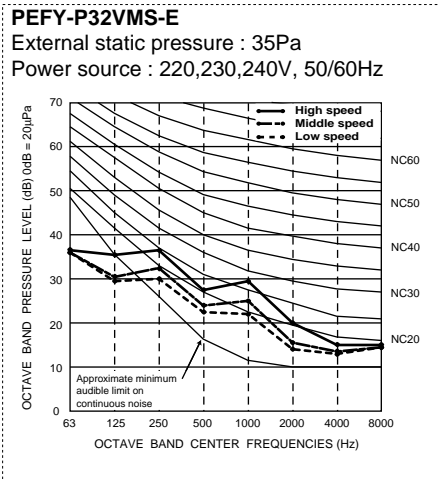
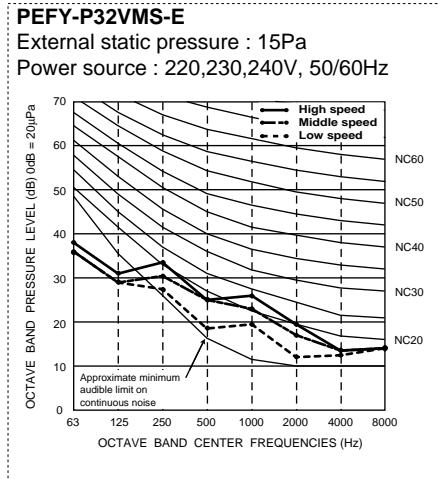
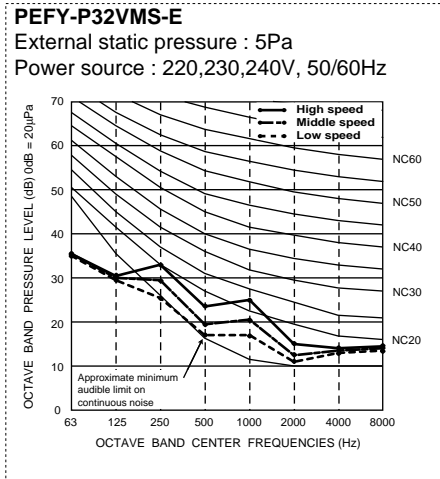
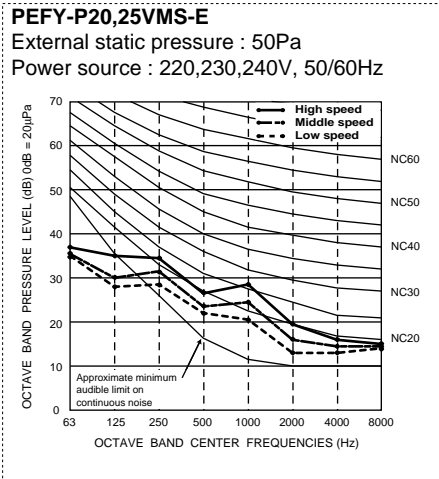
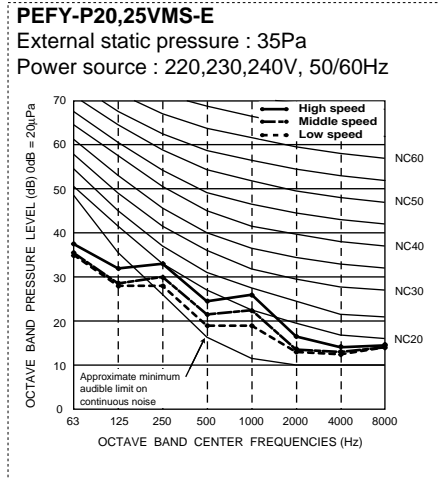
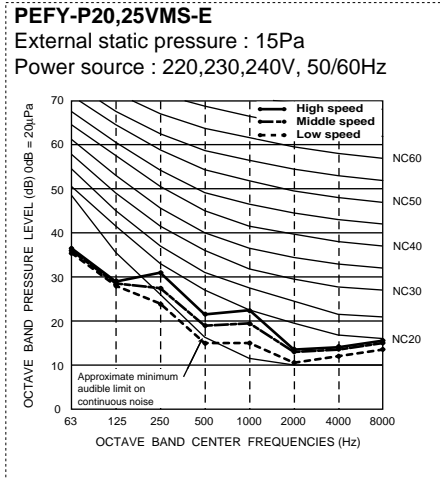
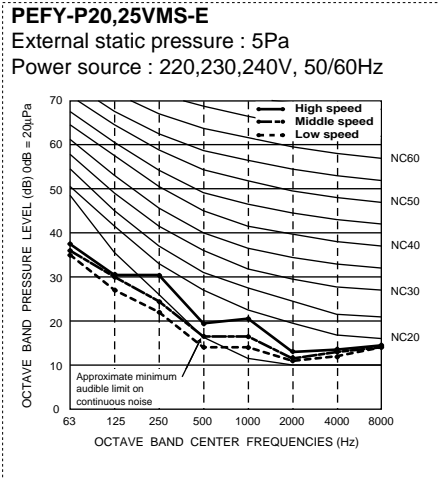
**PEFY-P32VMR-E-L/R**  
 External static pressure : 5Pa  
 Power source : 230V, 50/60Hz



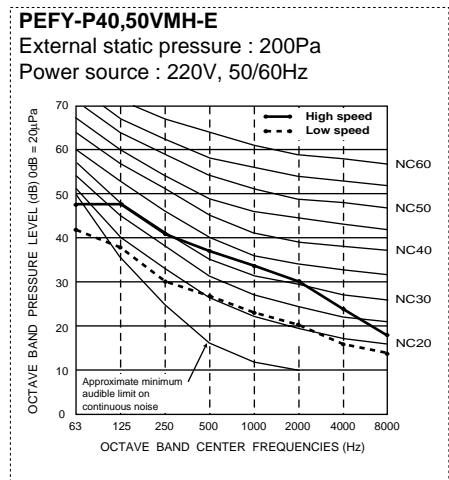
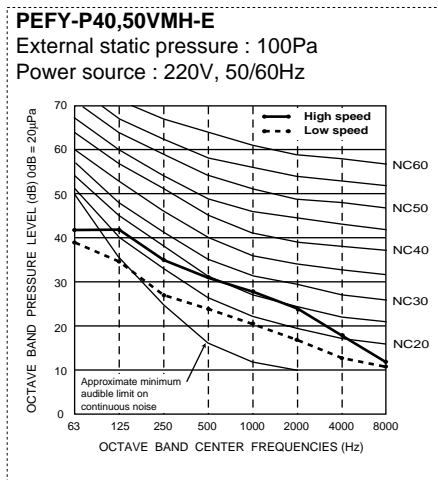
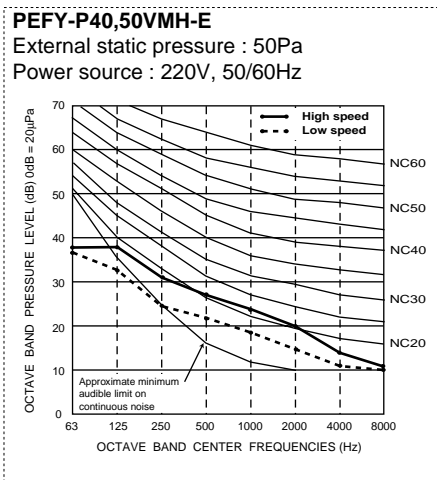
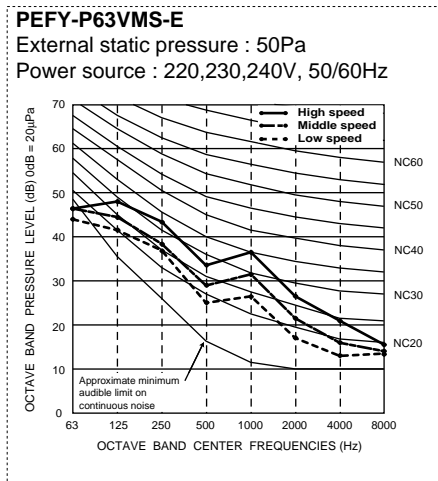
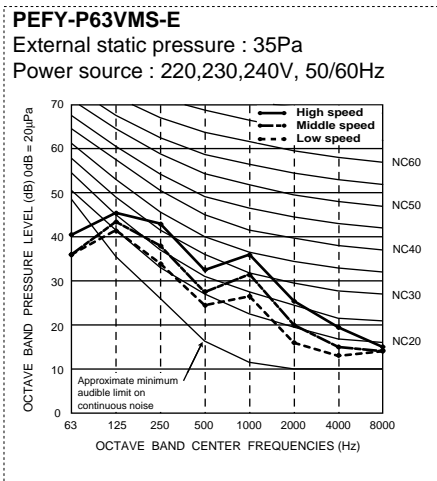
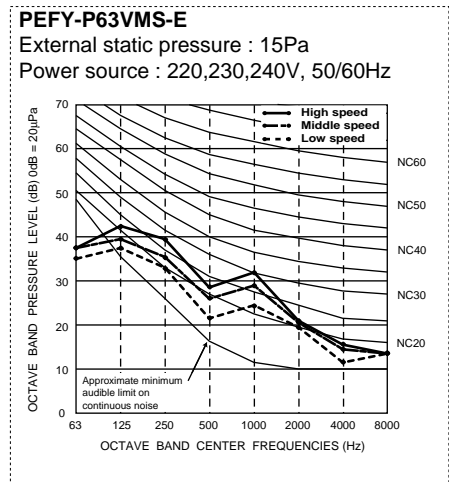
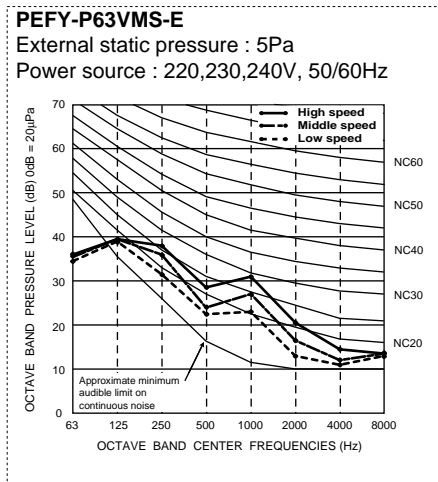
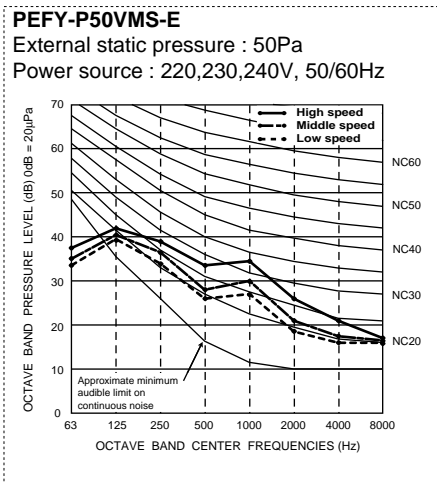
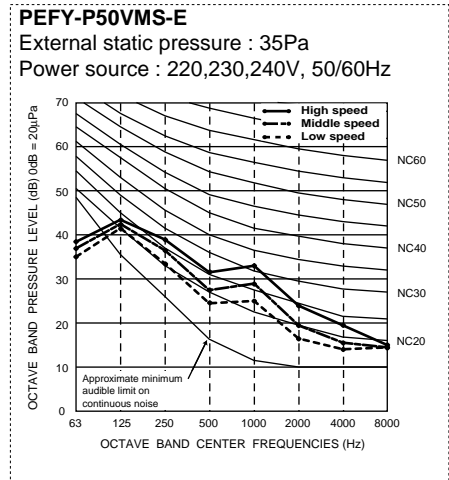
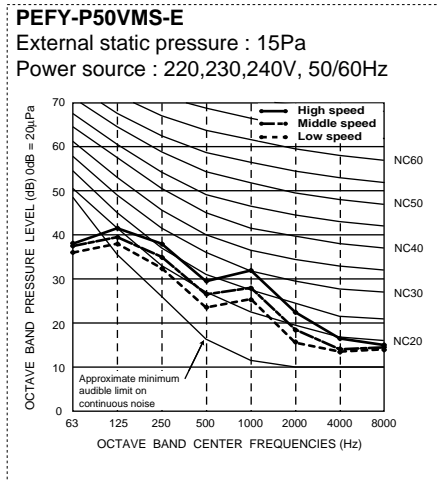
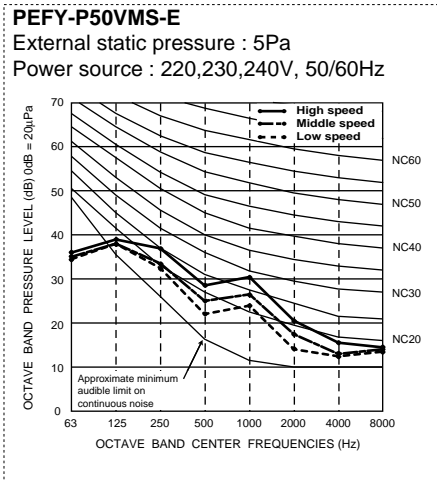
**PEFY-P32VMR-E-L/R**  
 External static pressure : 5Pa  
 Power source : 240V, 50Hz



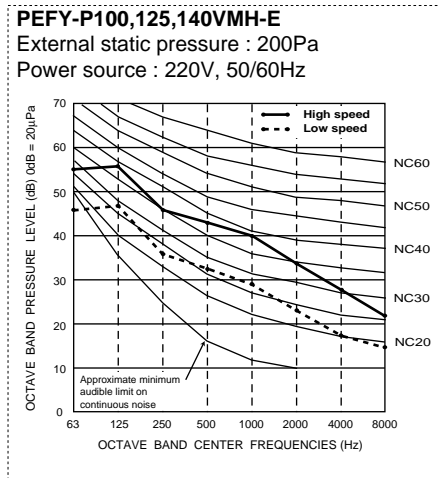
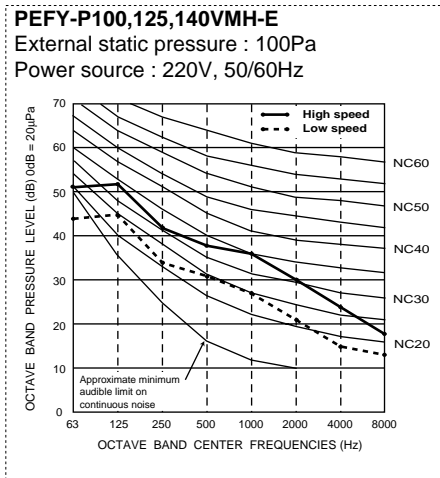
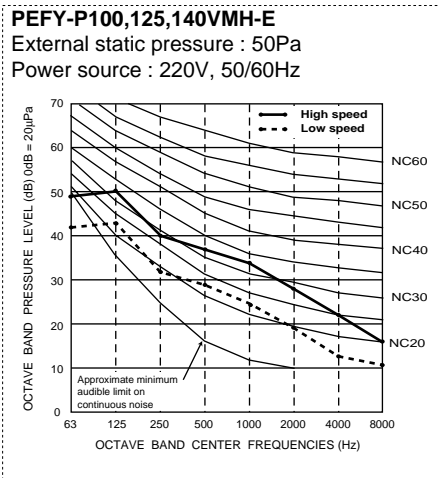
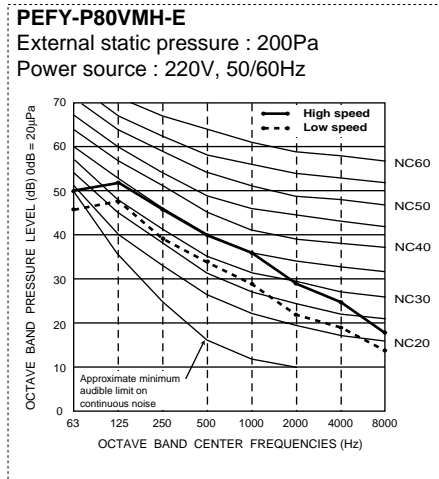
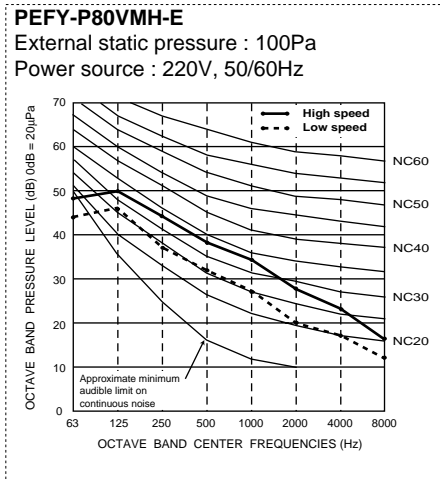
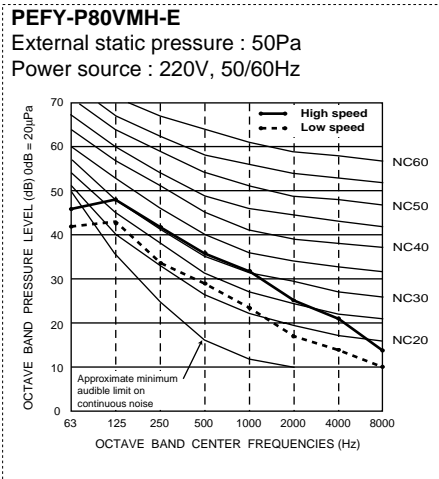
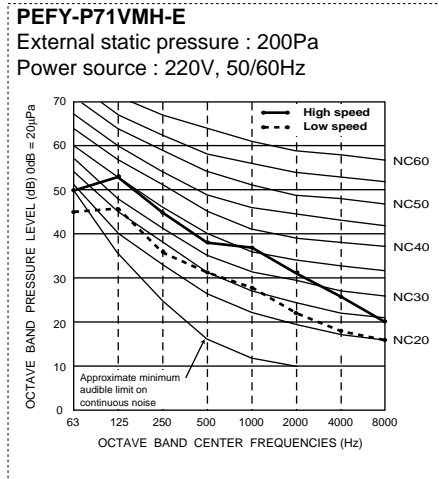
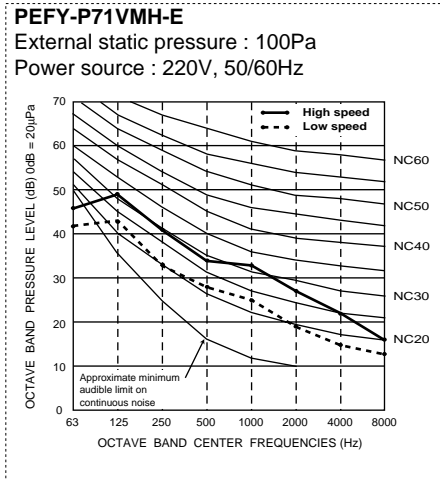
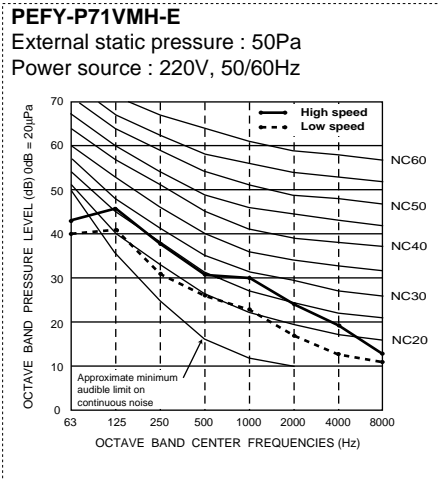
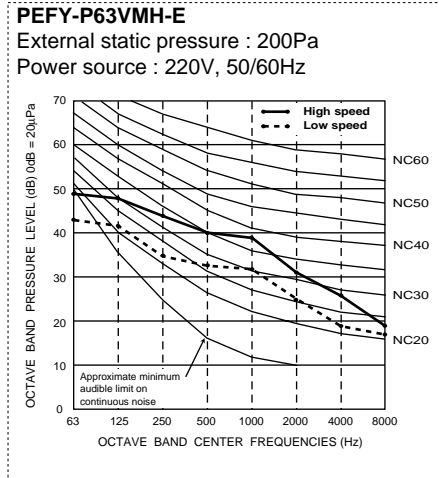
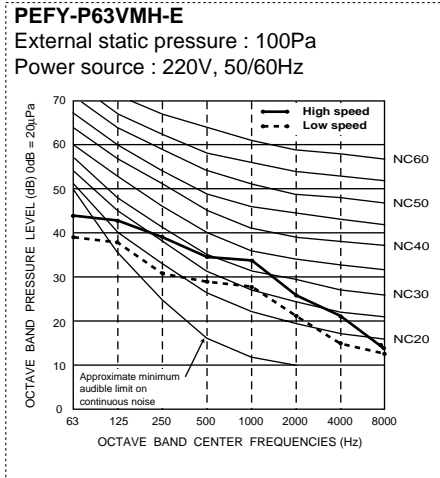
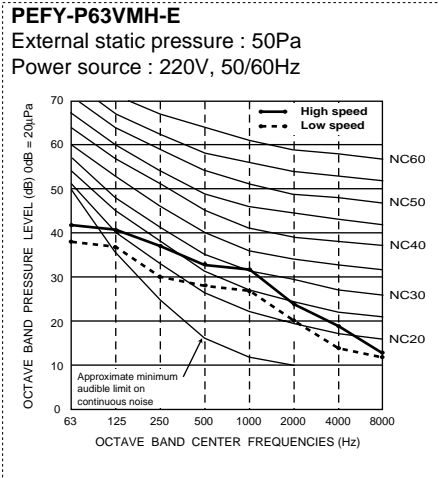
## 3-2. NC curves



## 3-2. NC curves

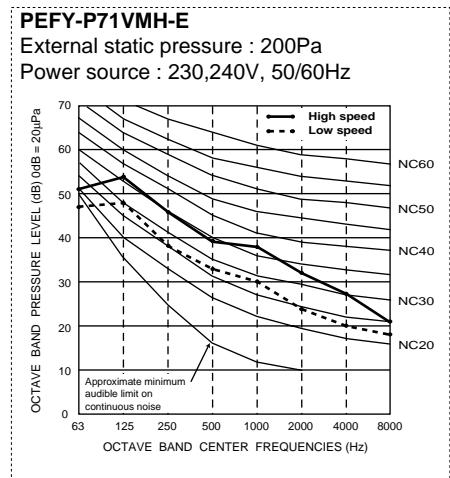
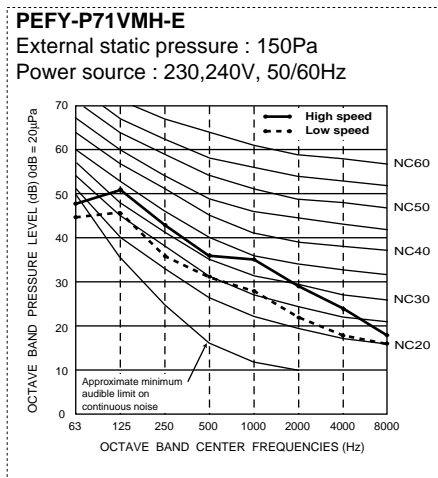
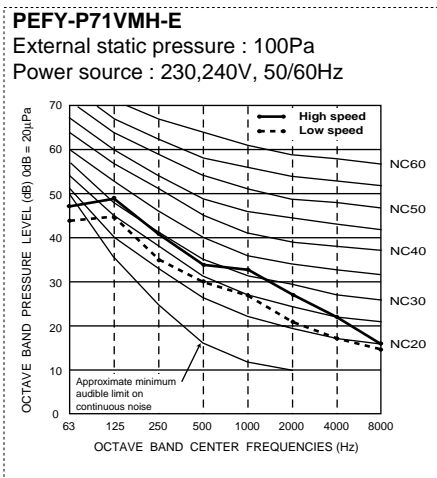
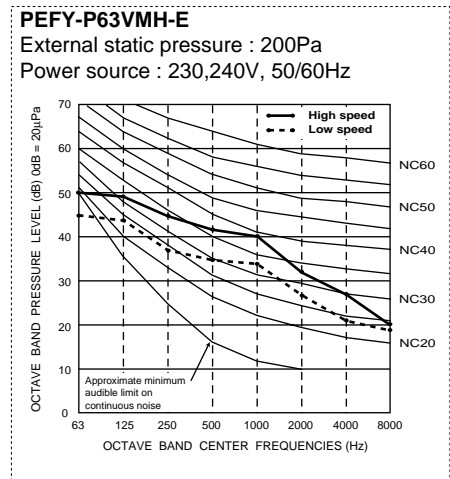
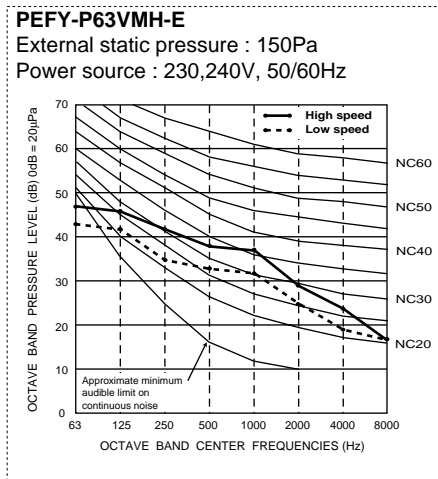
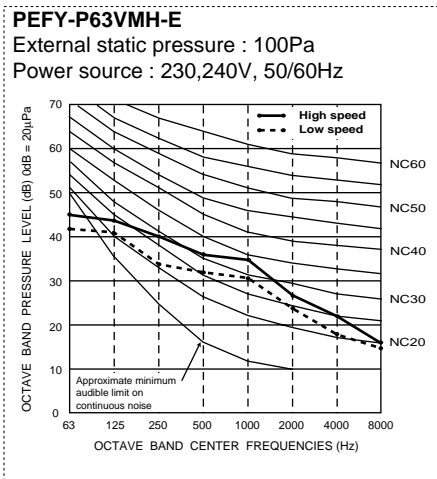
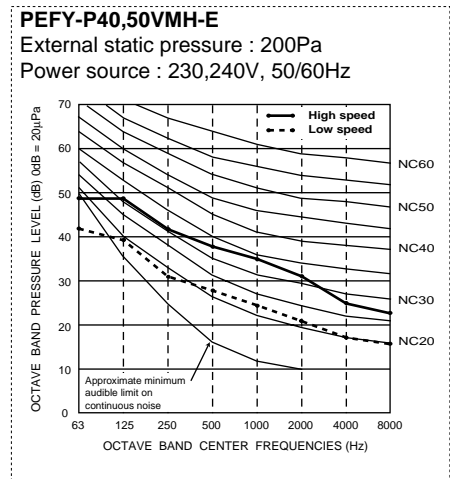
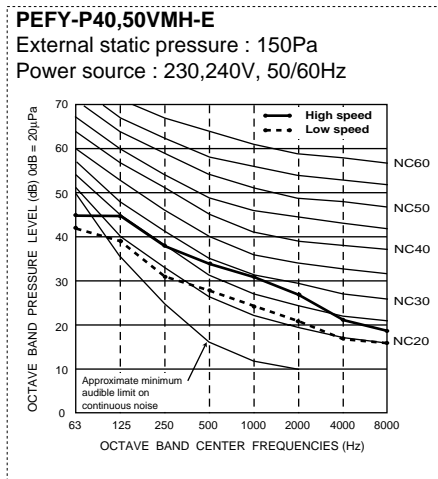
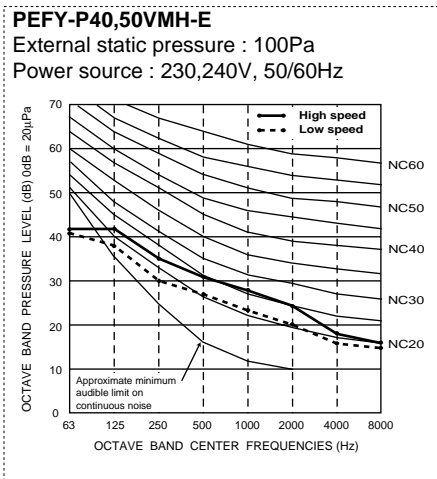
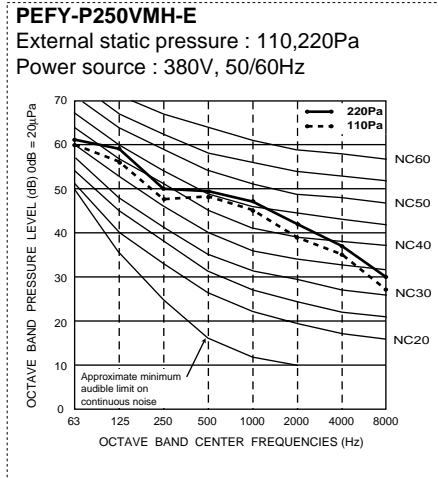
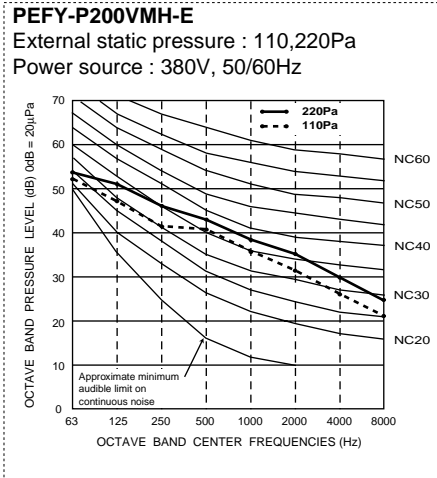


## 3-2. NC curves





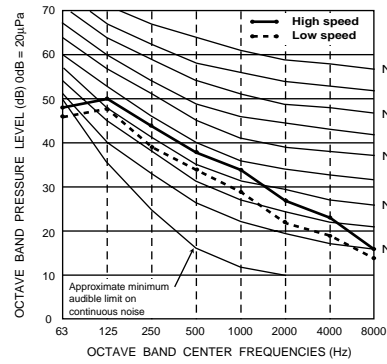
## 3-2. NC curves



## 3-2. NC curves

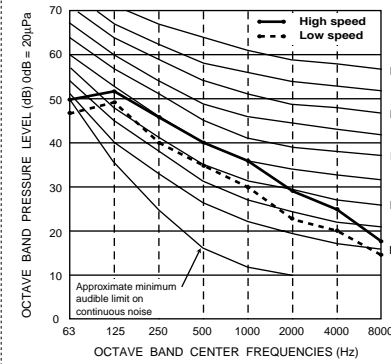
### PEFY-P80VMH-E

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



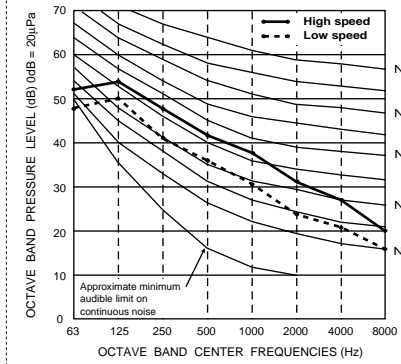
### PEFY-P80VMH-E

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



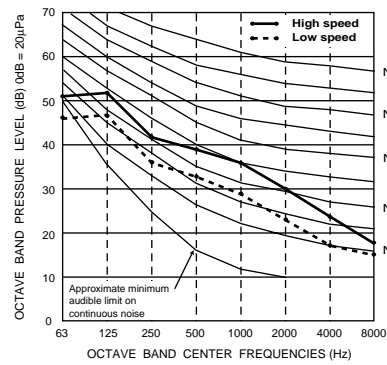
### PEFY-P80VMH-E

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



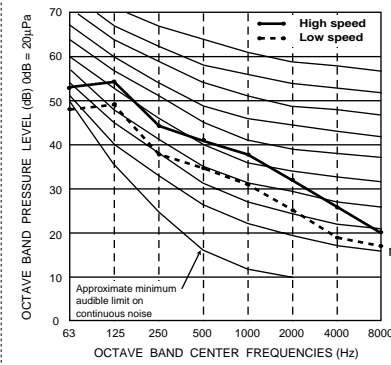
### PEFY-P100,125,140VMH-E

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



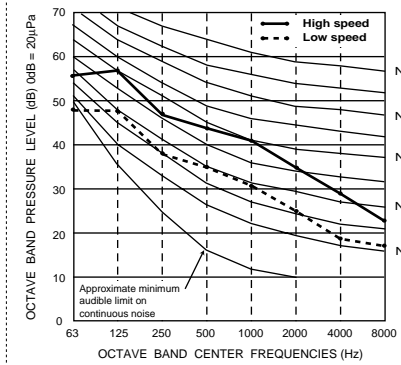
### PEFY-P100,125,140VMH-E

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



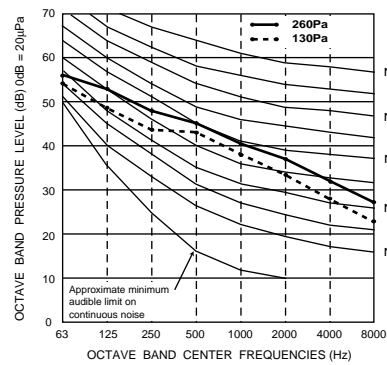
### PEFY-P100,125,140VMH-E

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



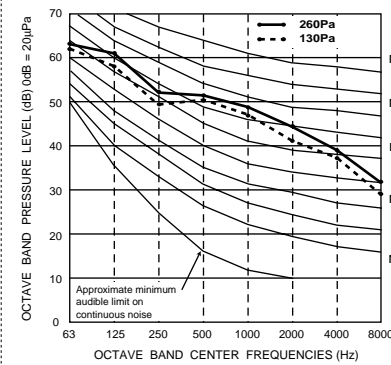
### PEFY-P200VMH-E

External static pressure : 130,260Pa  
Power source : 400,415V, 50/60Hz

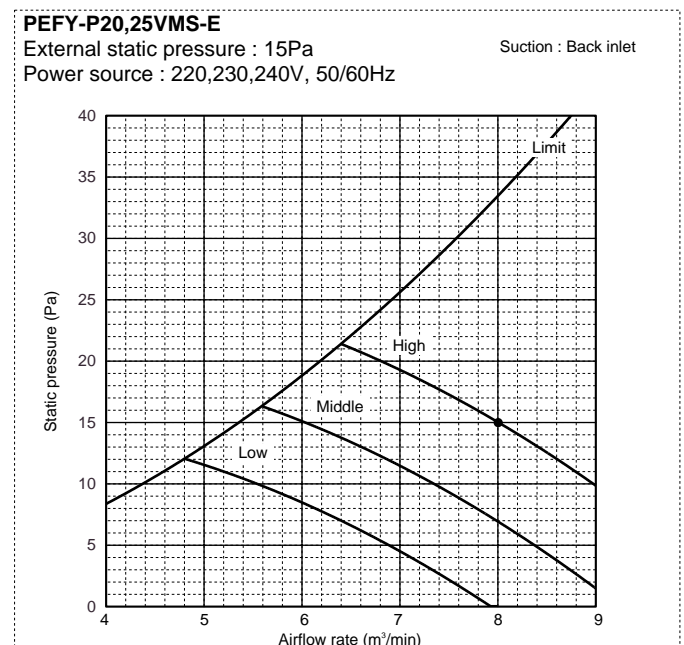
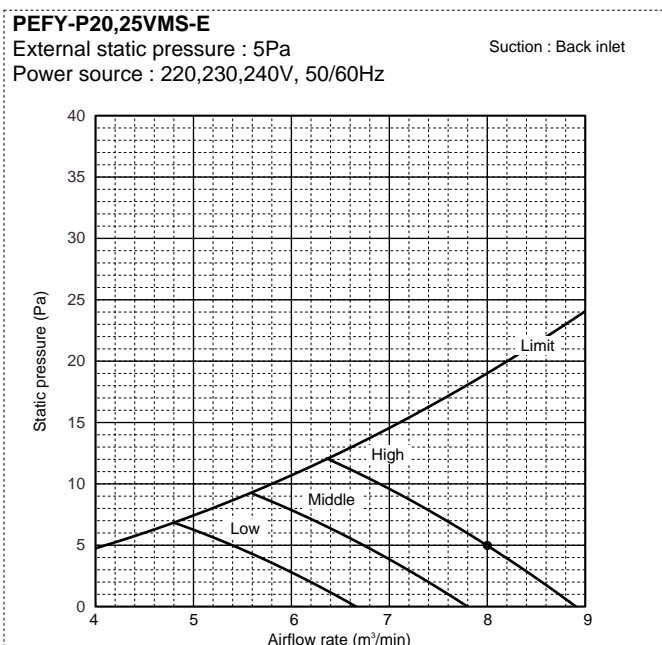
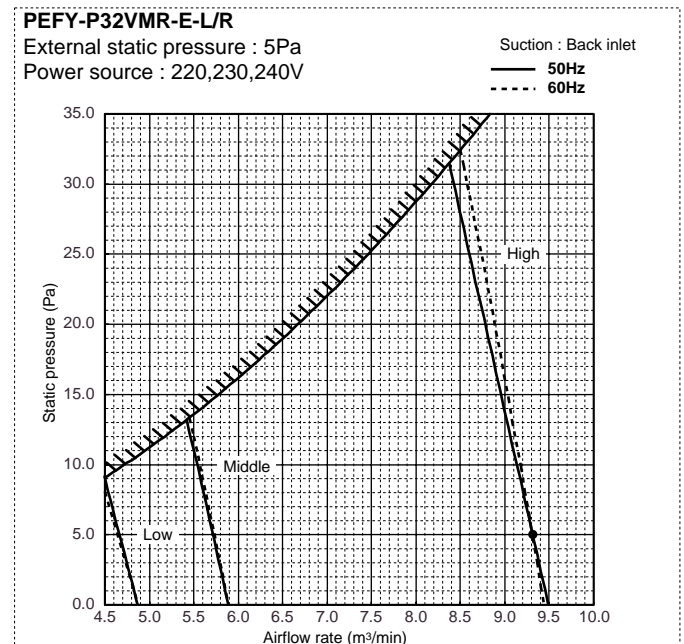
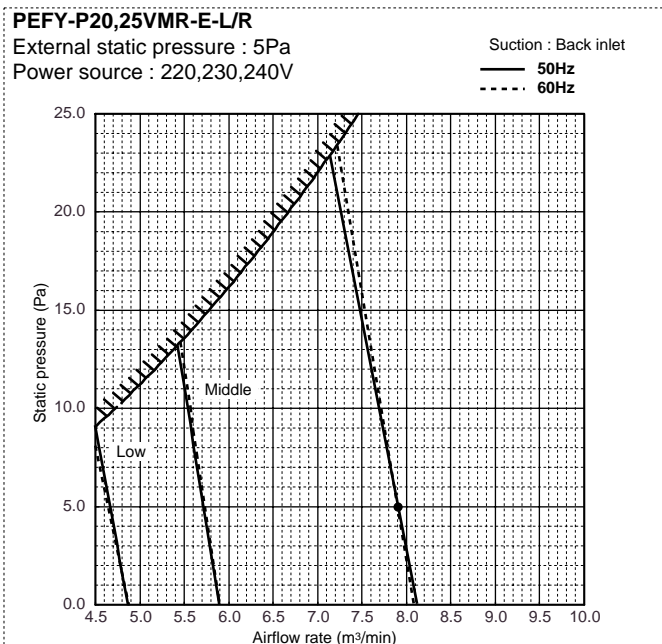
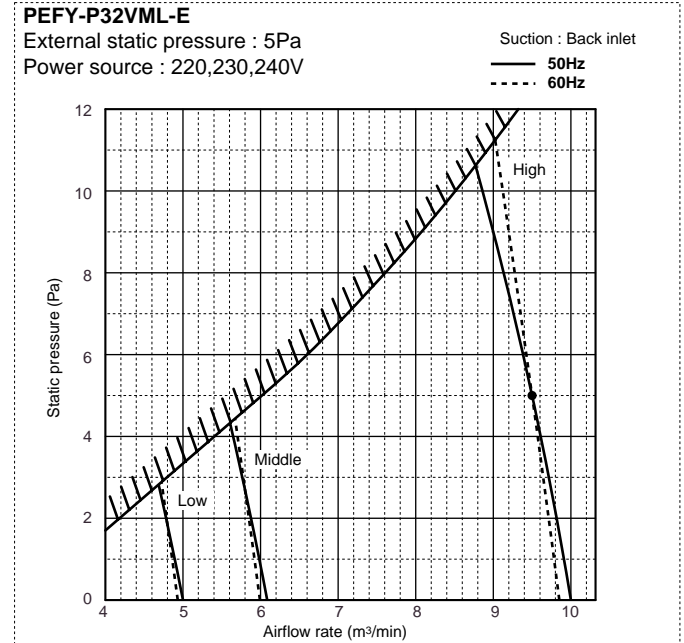
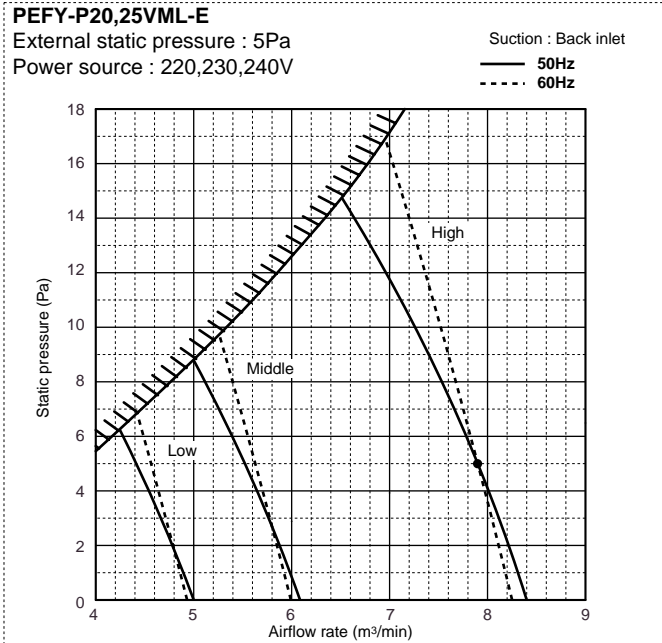


### PEFY-P250VMH-E

External static pressure : 130,260Pa  
Power source : 400,415V, 50/60Hz

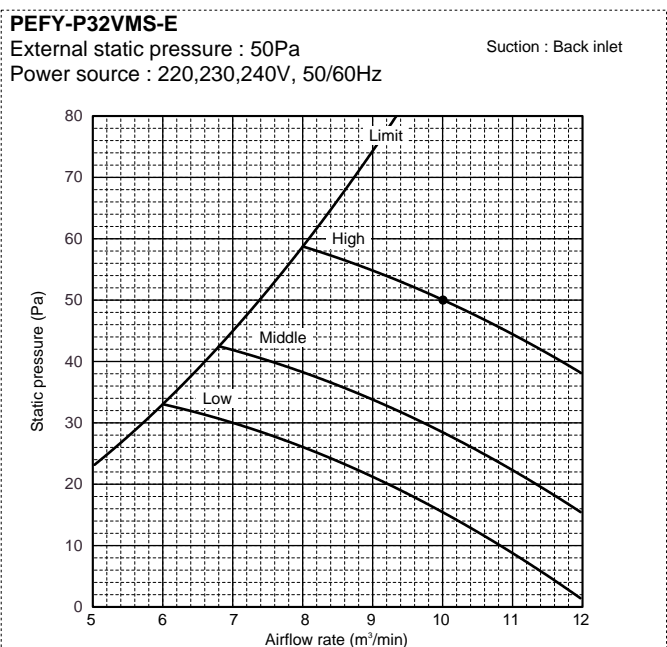
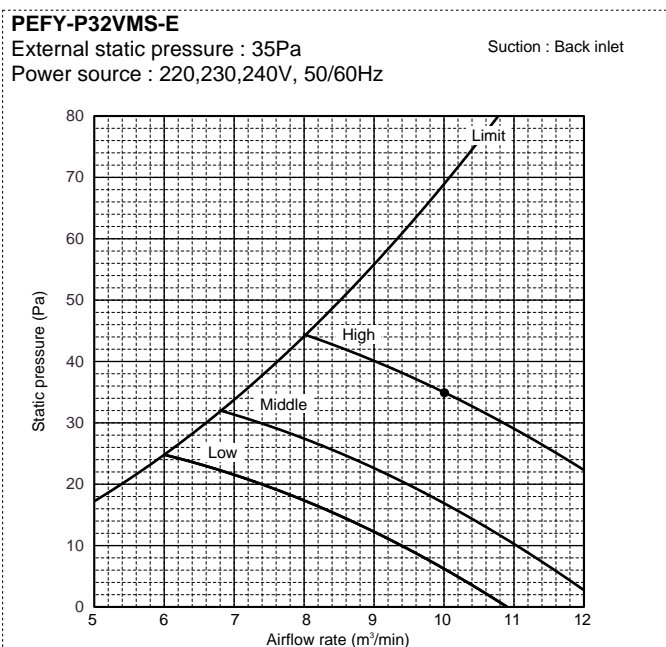
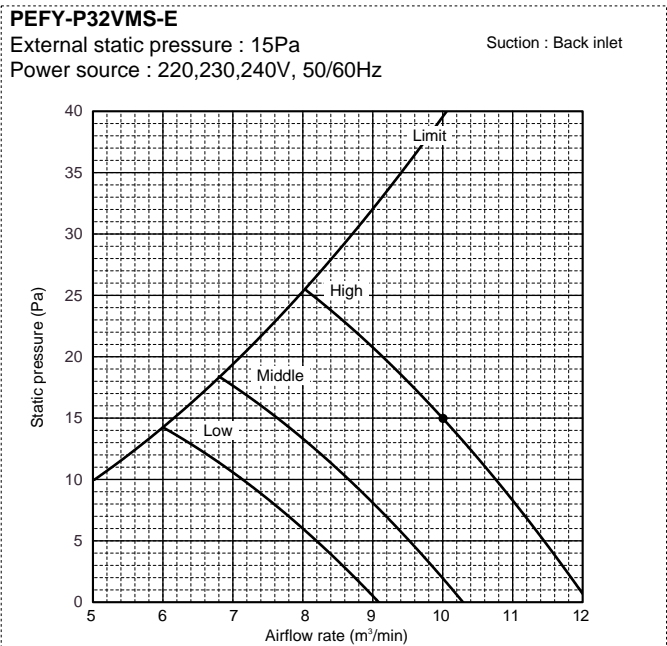
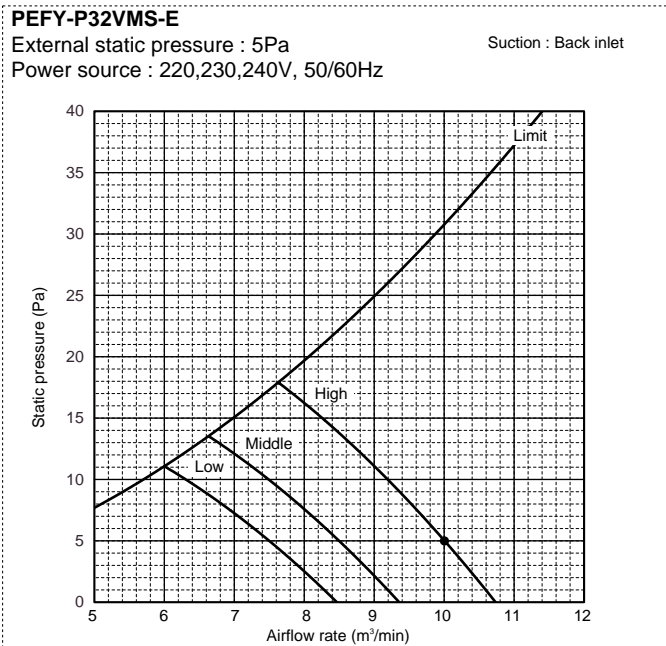
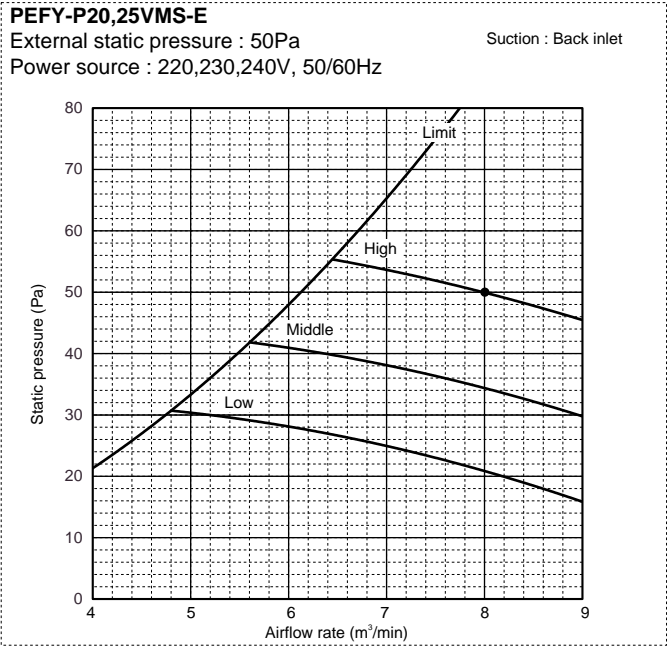
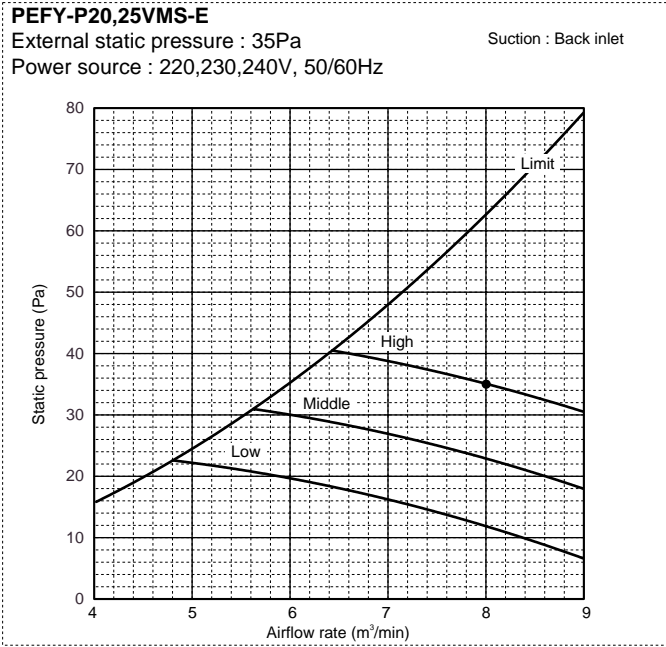


## 3-3. Fan characteristics curves



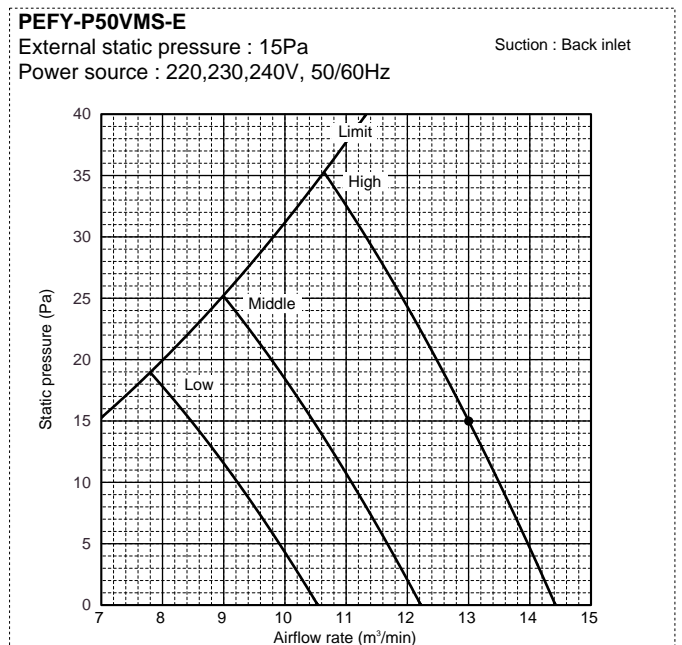
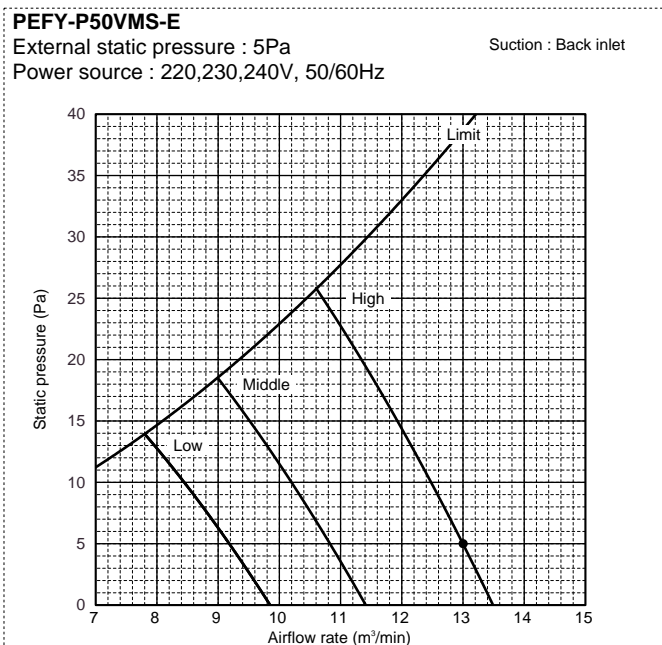
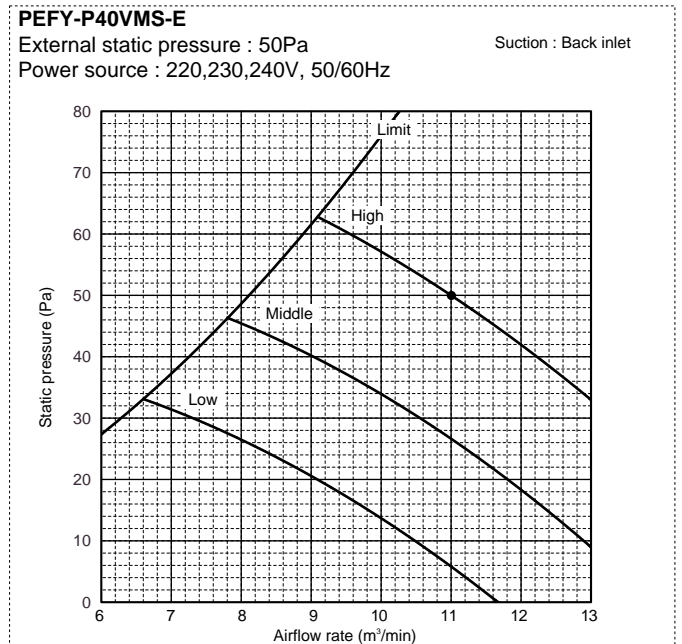
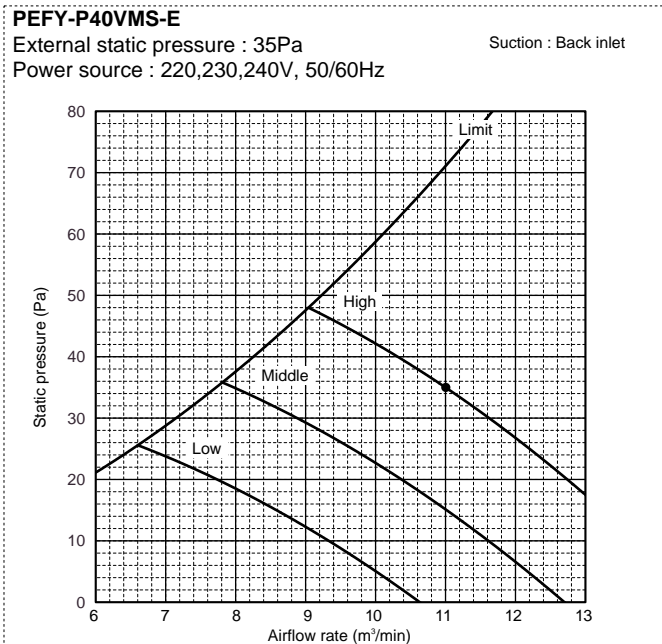
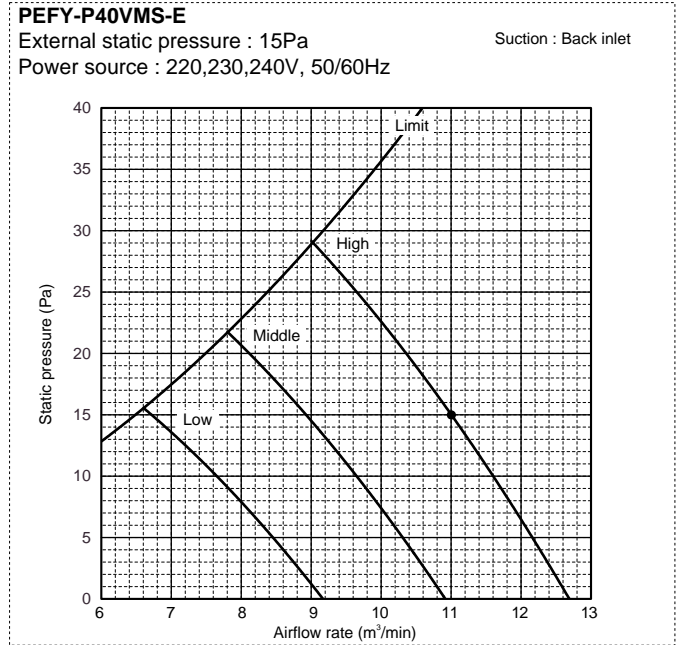
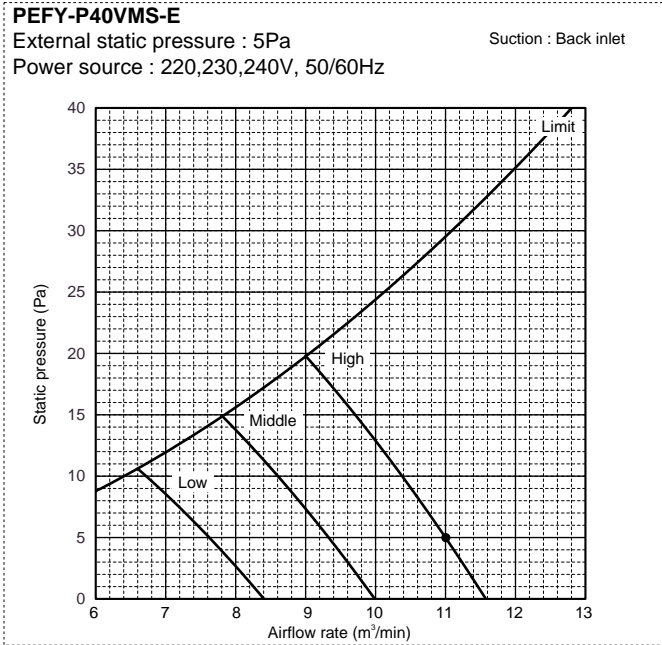


## 3-3. Fan characteristics curves

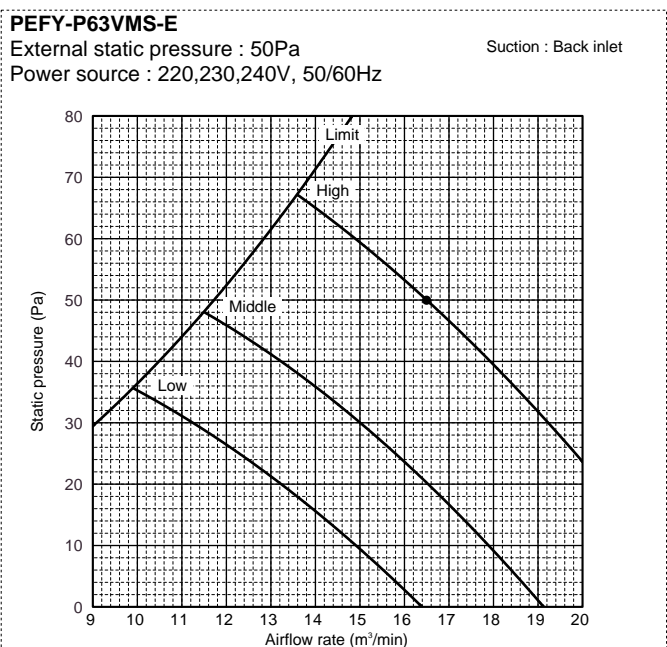
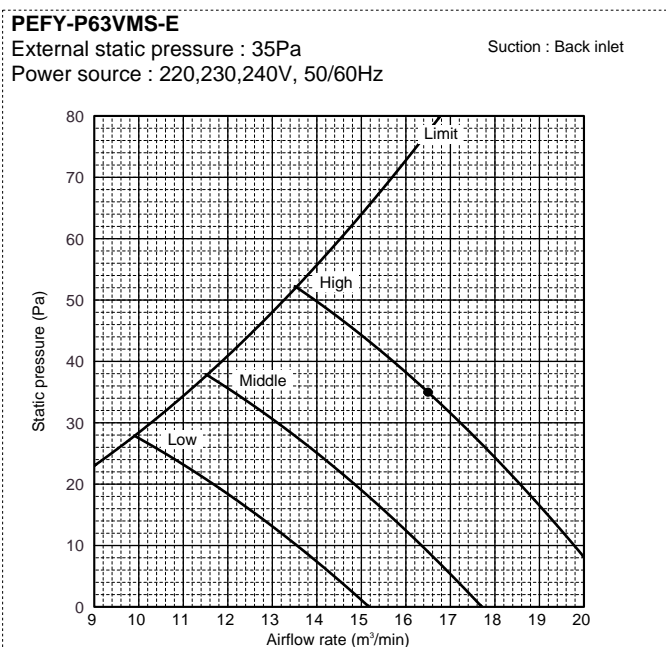
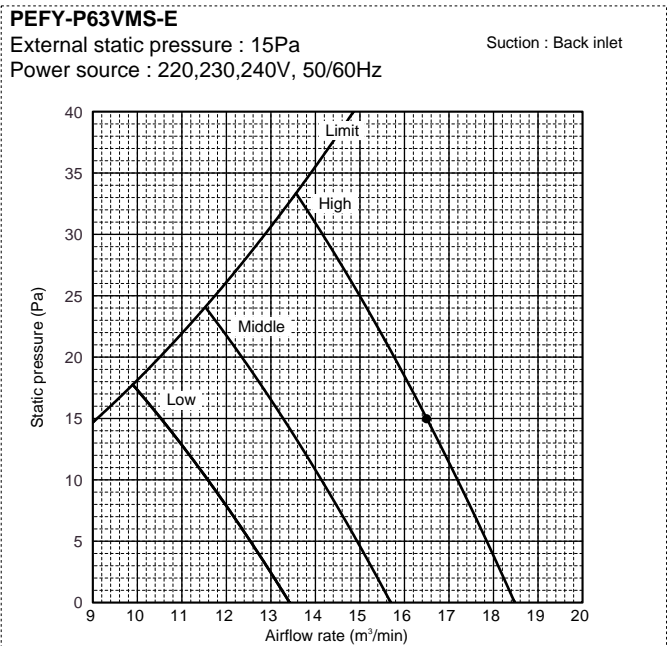
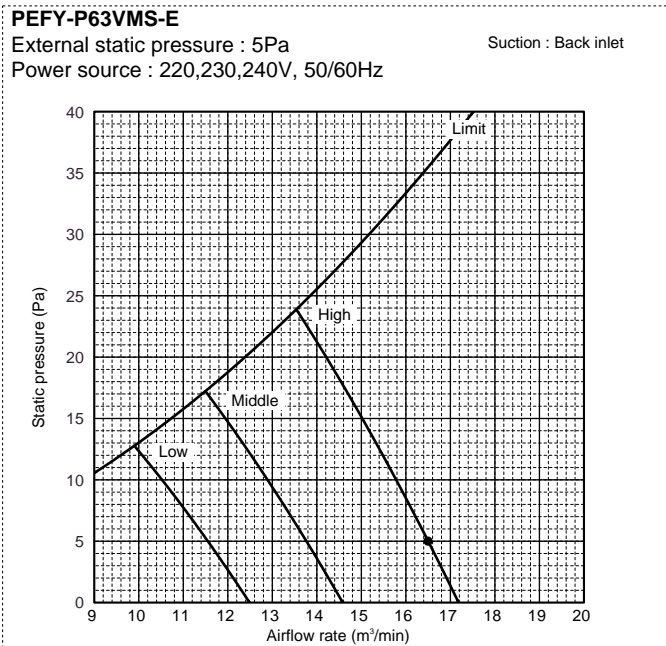
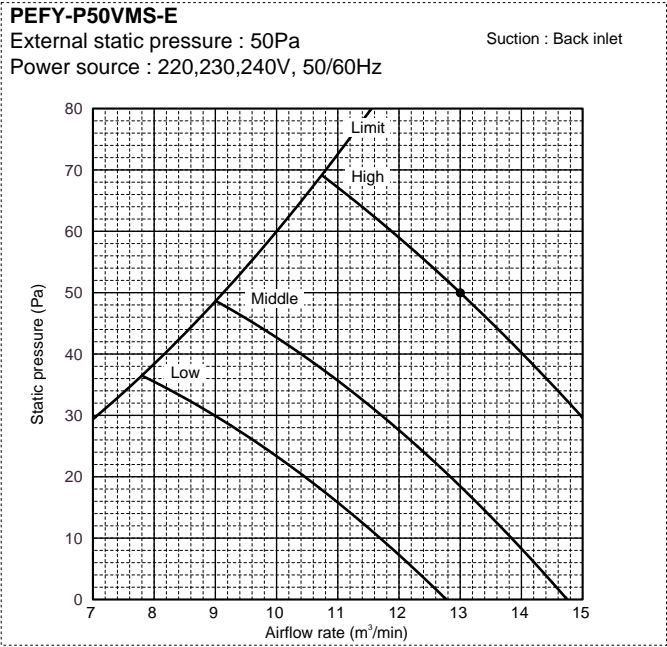
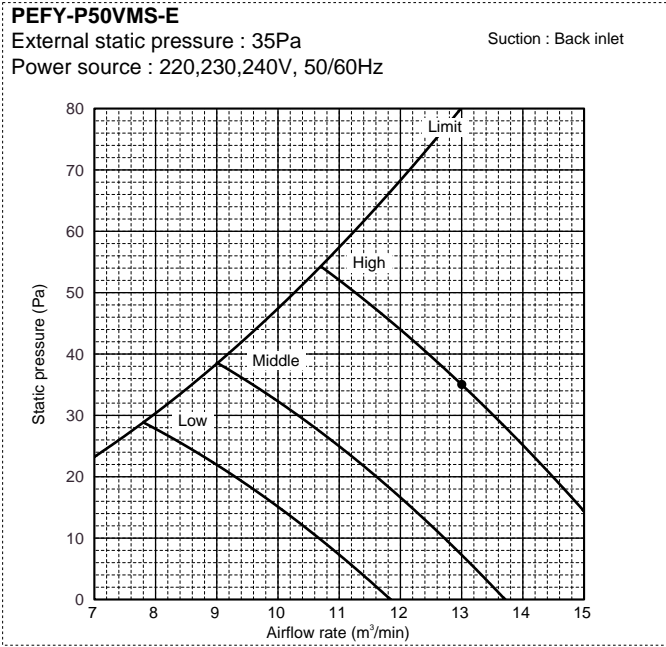


### 3. SOUND LEVELS

#### 3-3. Fan characteristics curves



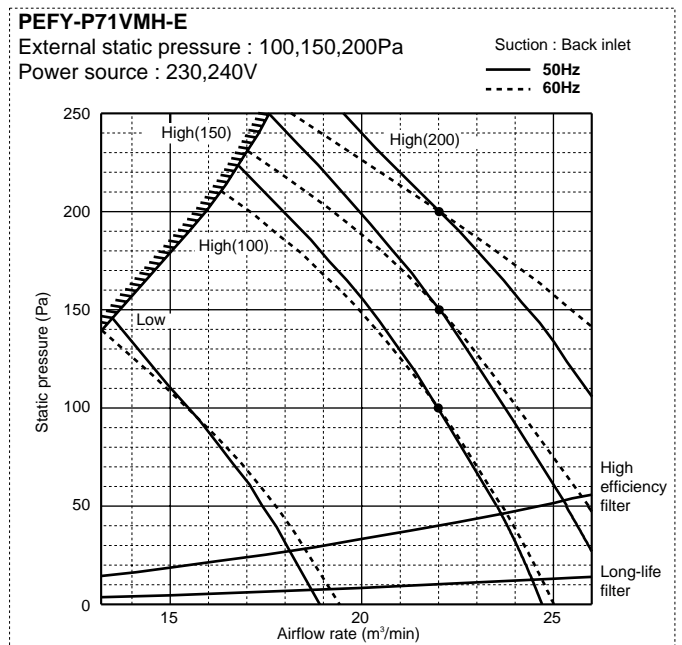
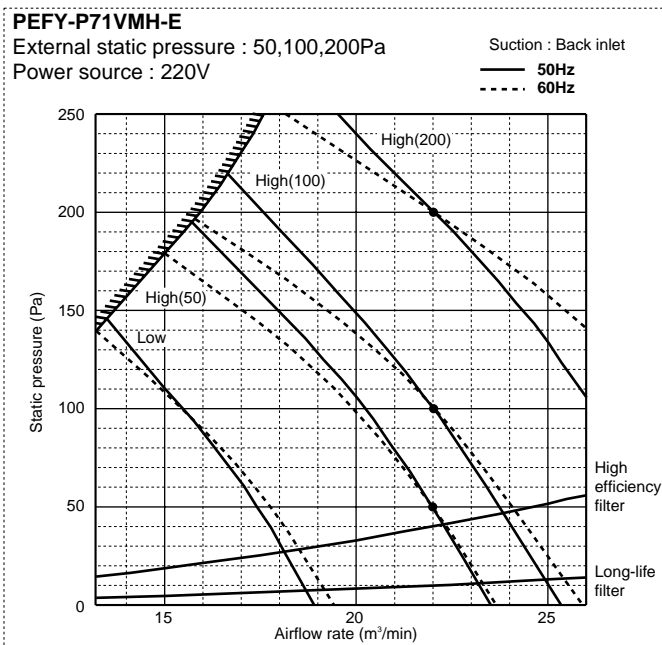
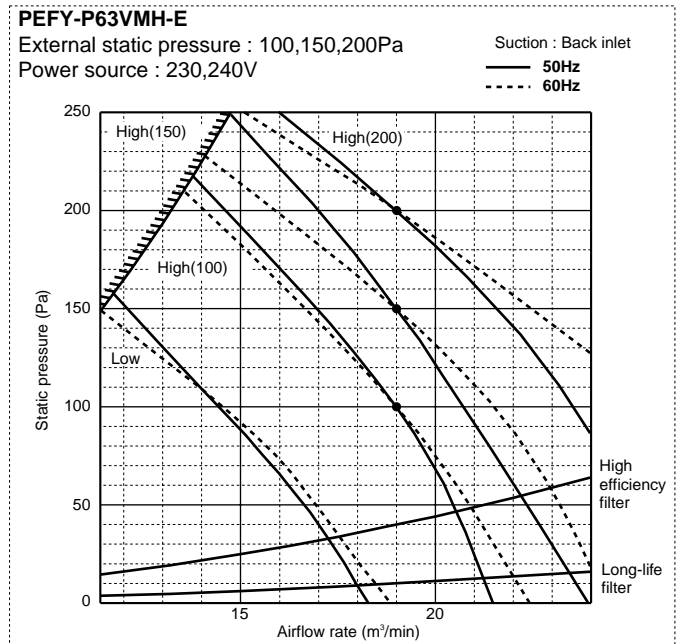
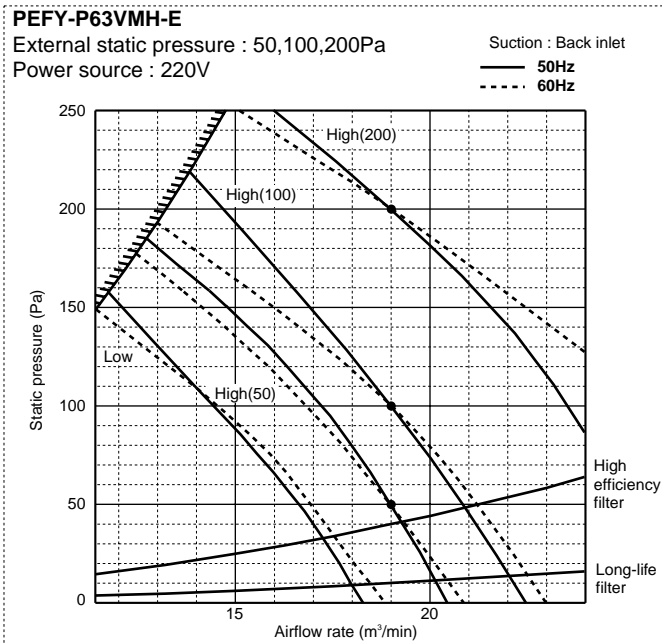
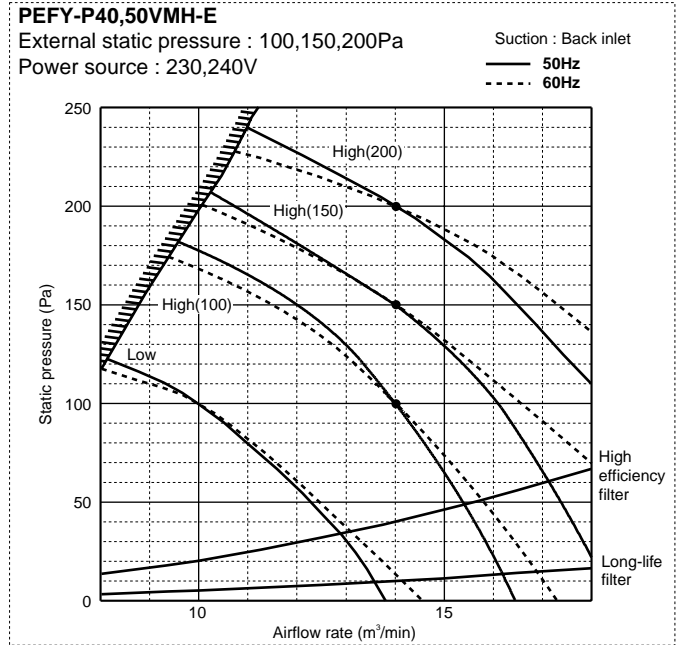
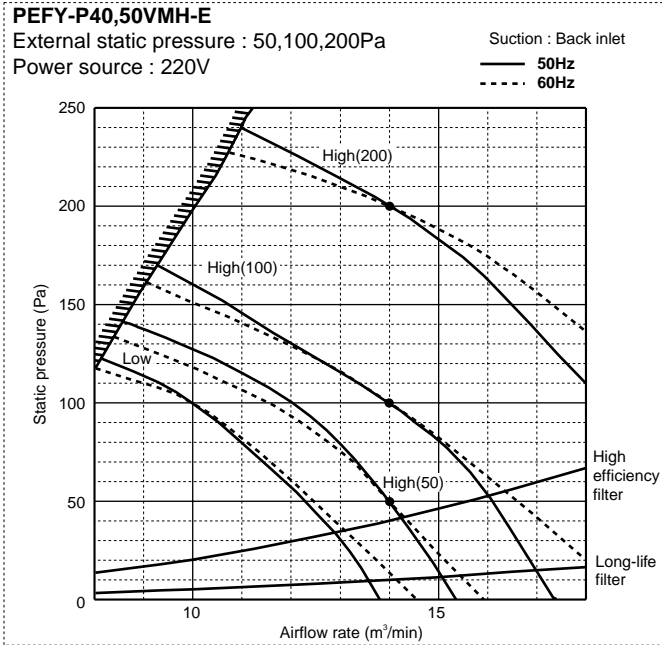
## 3-3. Fan characteristics curves



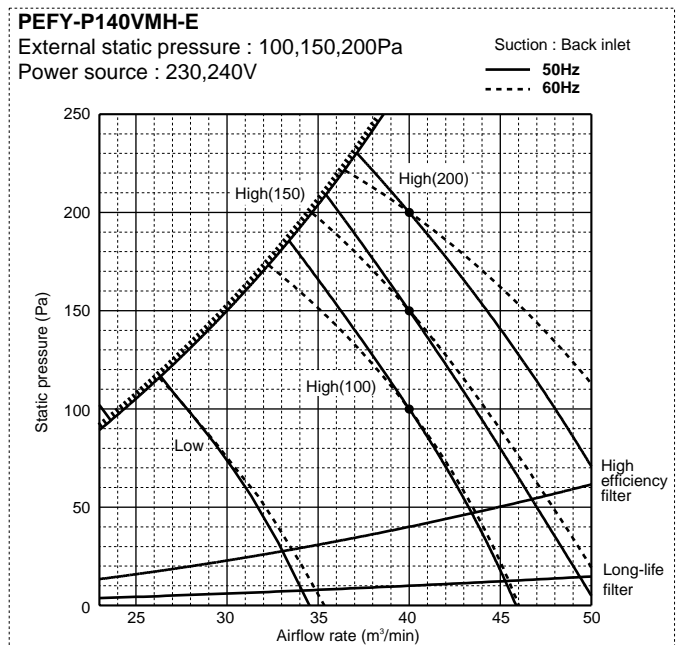
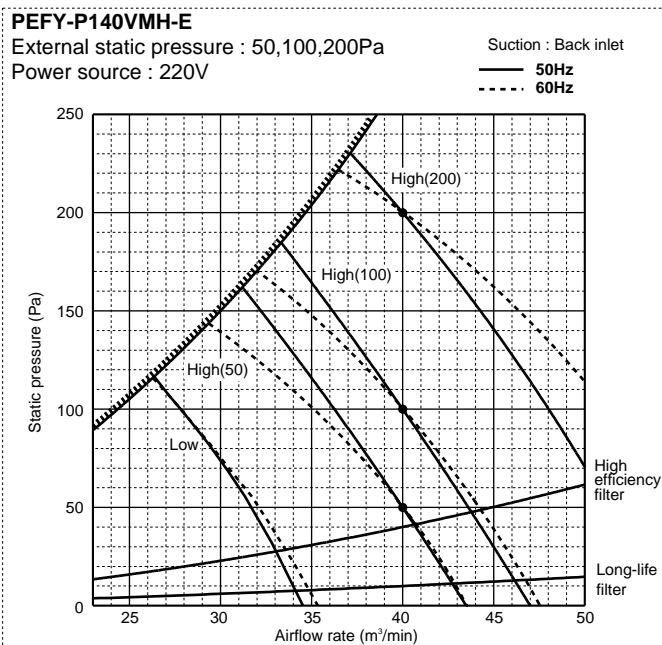
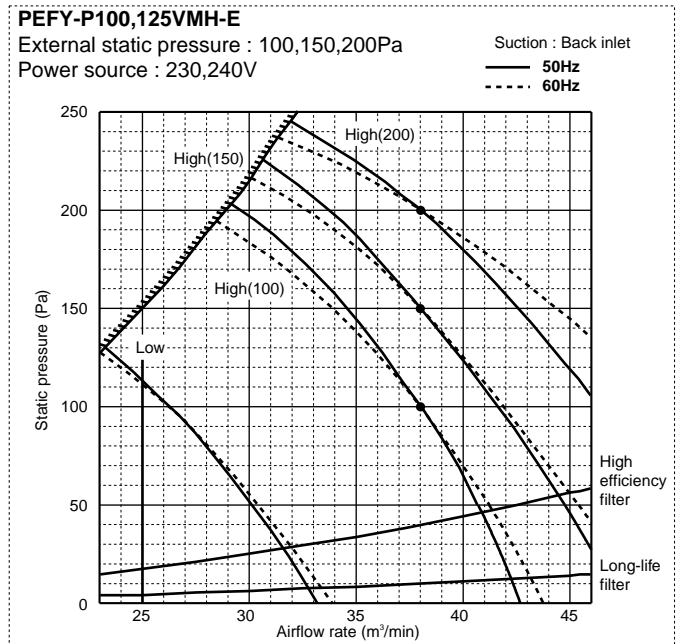
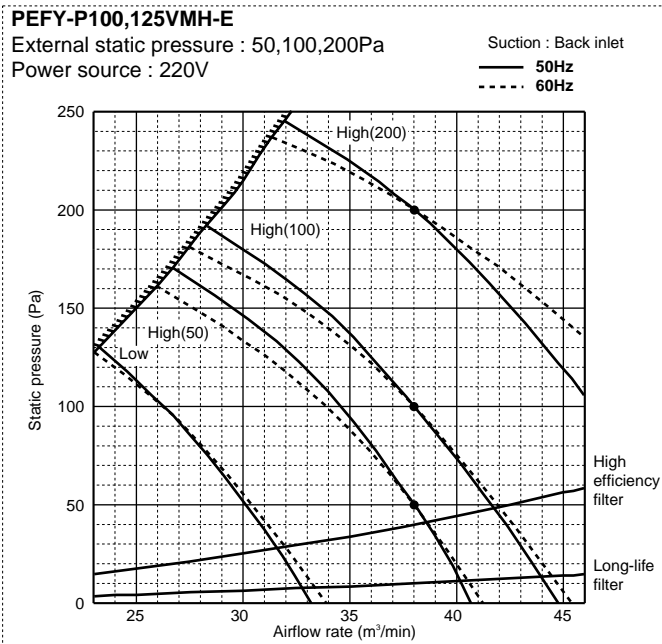
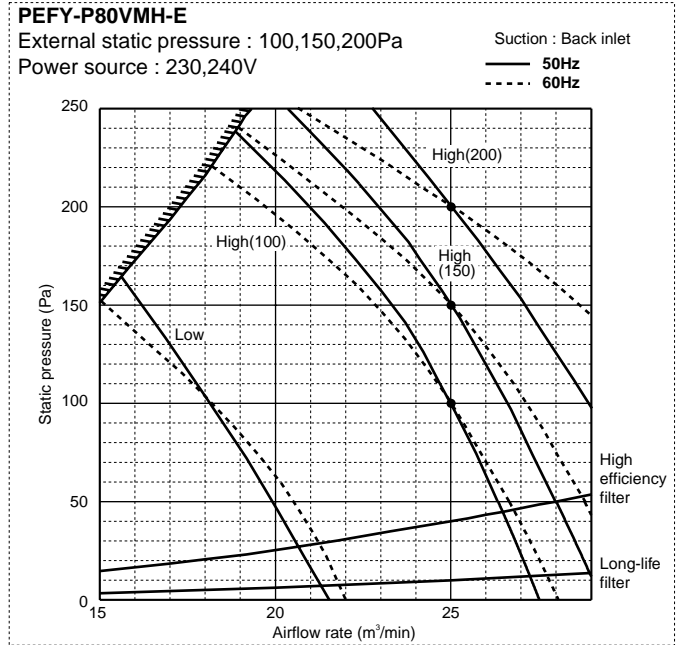
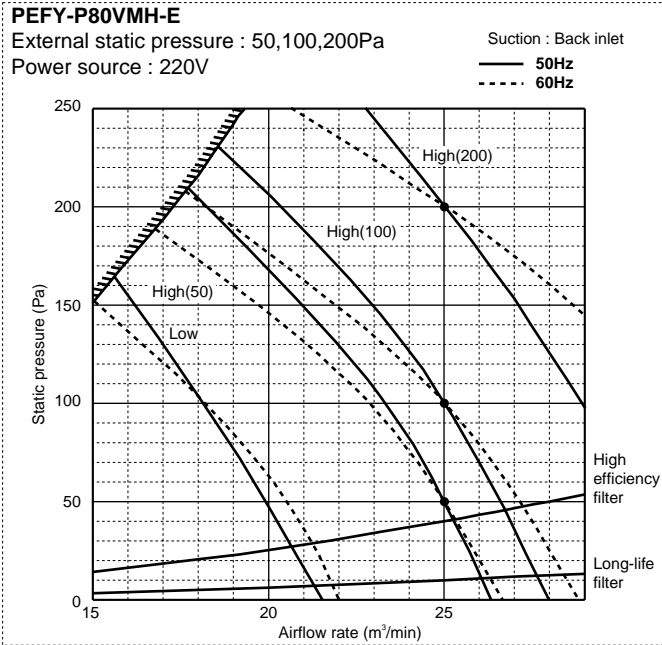


# 3. SOUND LEVELS

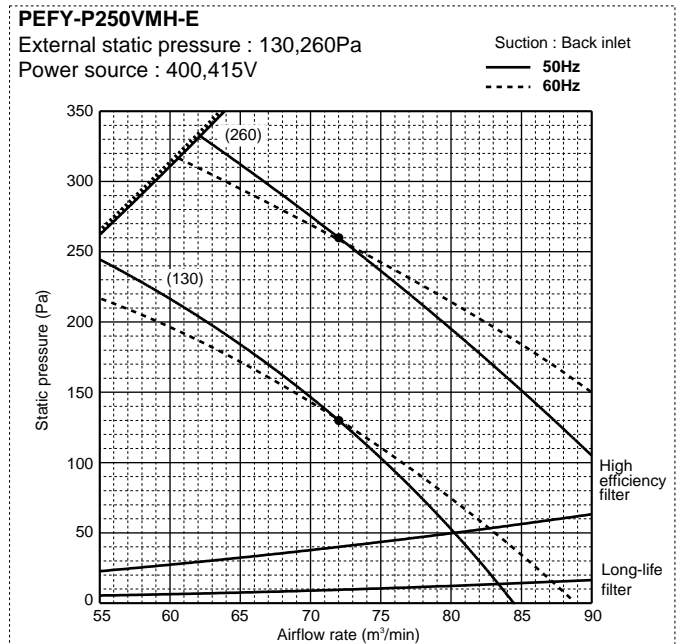
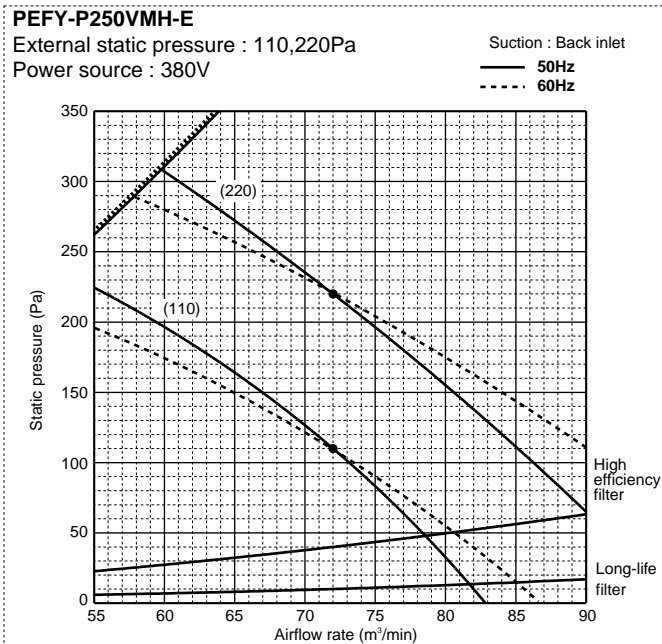
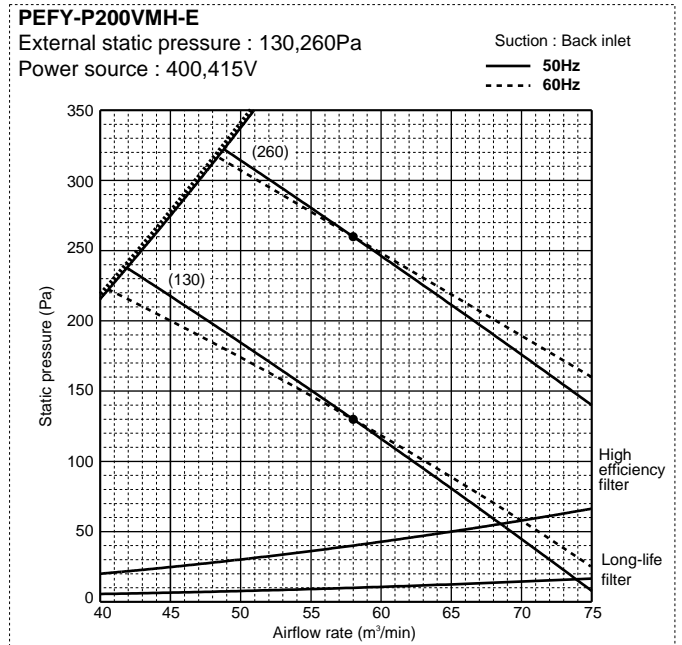
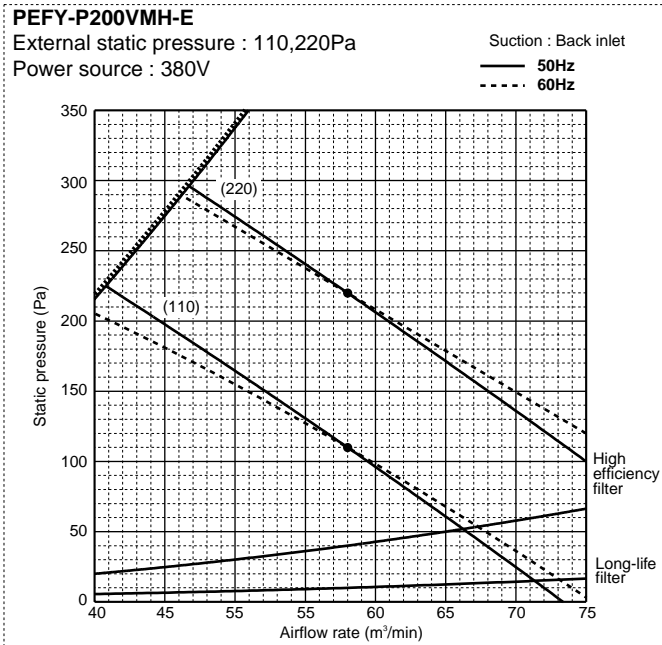
## 3-3. Fan characteristics curves



## 3-3. Fan characteristics curves

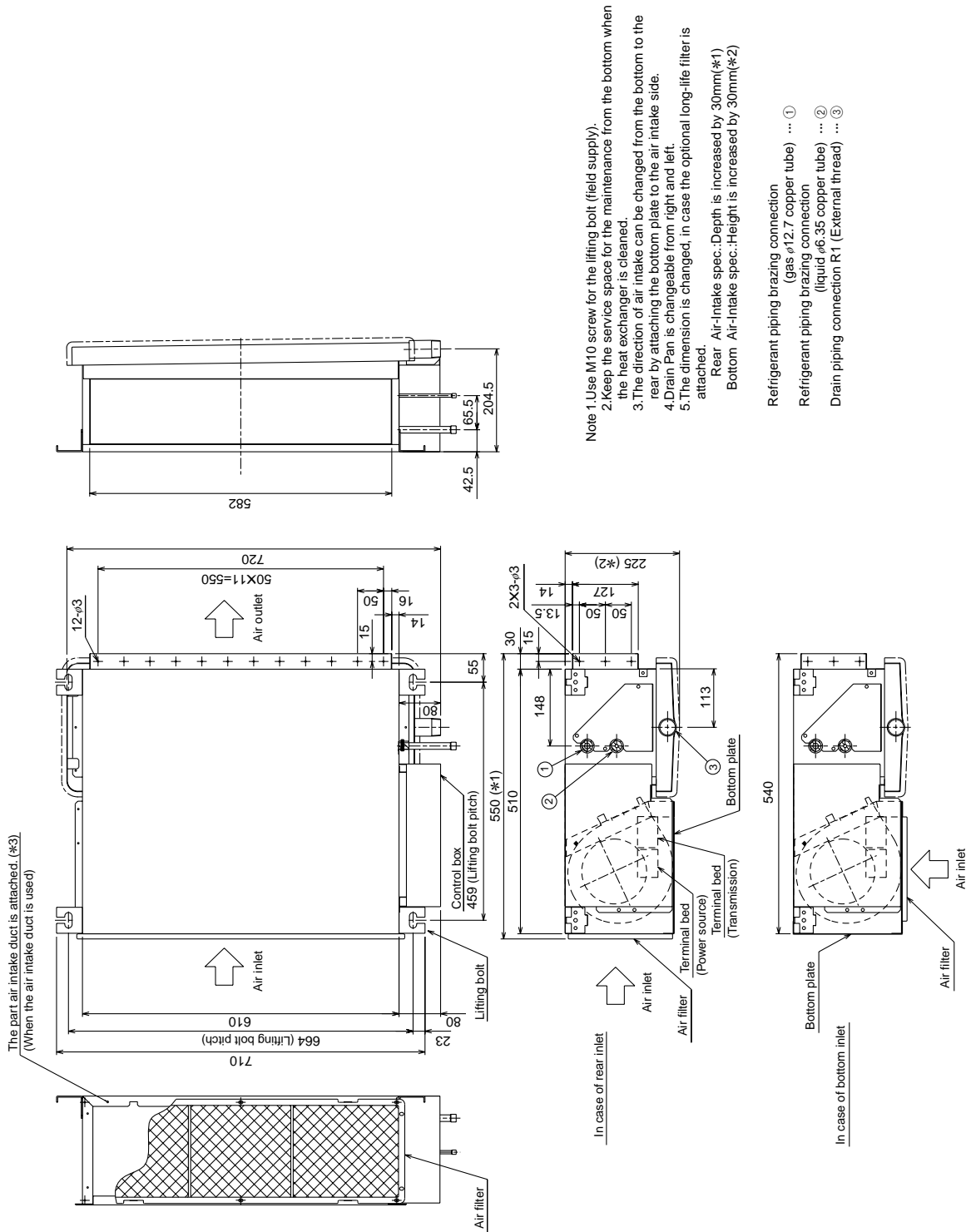


## 3-3. Fan characteristics curves



PEFY-P20,25,32VML-E

Draw. : IU-W65-3947  
Unit : mm

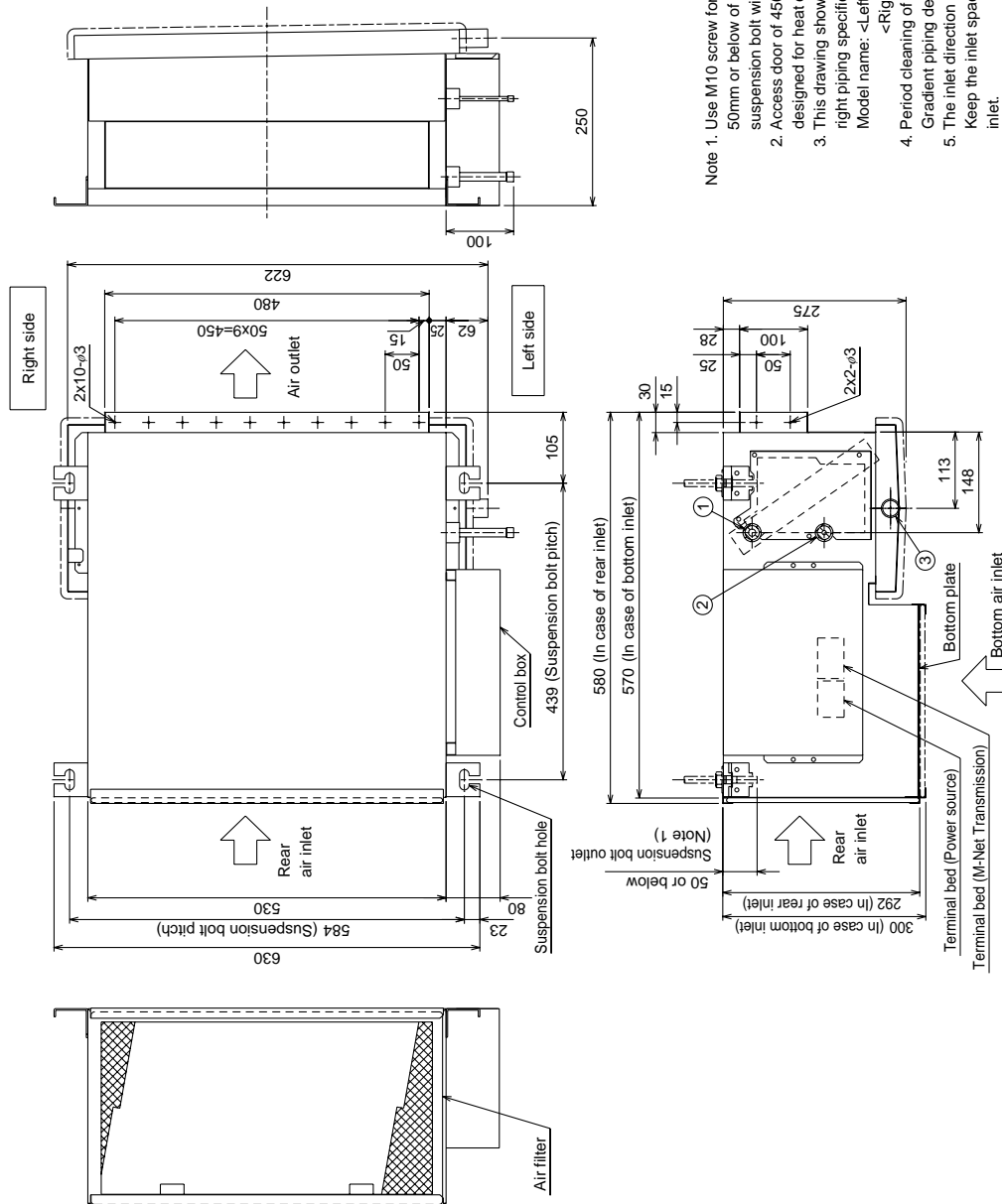


A  
B  
C  
D  
E  
F  
G  
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I  
J  
K  
L  
M  
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W  
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AA  
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AC



## PEFY-P20,25,32VMR-E-L/R

Draw. : IU-KB94-C854  
Unit : mm

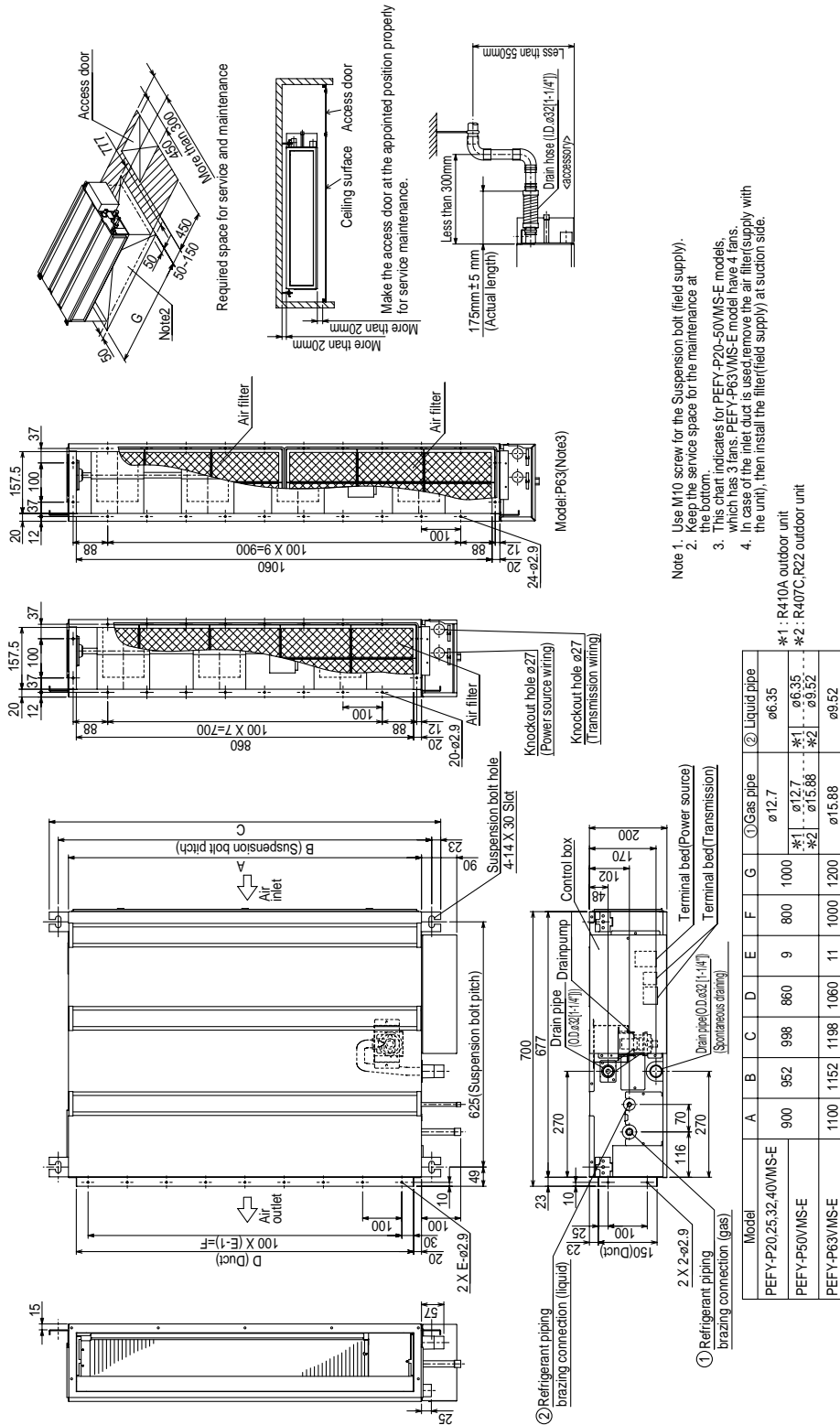


- Note 1. Use M10 screw for the suspension bolt (field supply).  
50mm or below of clearance between the indoor unit top and the end of the suspension bolt will make maintenance of the Indoor heat exchanger easier.
- Access door of 450mmx450mm at the ceiling under the drain pan should be designed for heat exchanger cleaning and maintenance.
  - This drawing shows the left piping specification. The symmetry shows the right piping specification.  
Model name: <Left piping> PEFY-P20 · 25 · 32VMR-E-L  
<Right piping> PEFY-P20 · 25 · 32VMR-E-R
  - Period cleaning of drain pan will prevent water overflowing.  
Gradient piping design is needed for water draining.
  - The inlet direction can be changed between rear inlet and bottom inlet.  
Keep the inlet space between the ceiling and the unit in case of bottom inlet.

- <Pipe size>
- Refrigerant pipe (gas) brazed φ12.7.....①
  - Refrigerant pipe (liquid) brazed φ6.35.....②
  - Drain pipe connection diameter (O.D. 26mm [1-1/32"] ).....③

PEFY-P20,25,32,40,50,63VMS-E

Drw. : IU-KB94-C422  
Unit : mm





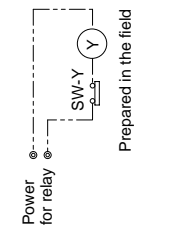
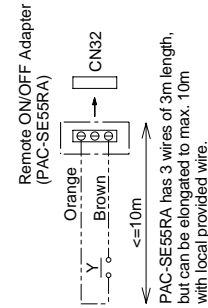
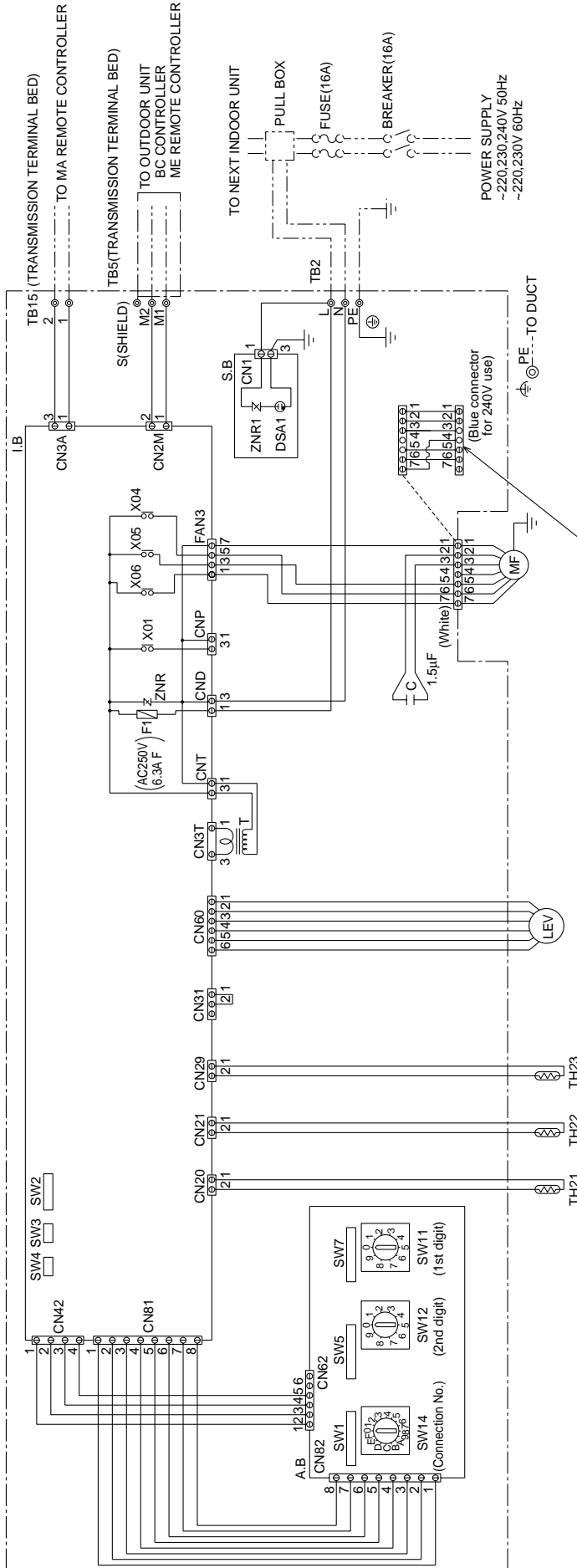




PEFY-P20,25,32VMR-E-L/R

Drw. : IU-KB94-C858

INSIDE SECTION OF CONTROL BOX



At factory shipment, the motor connector is connected for 220-230V power. If 240V power is used, insert the attached Blue connector between the Motor connector and White connector from Indoor board.  
 Connector color: for power source  
 White: 220V, 230V  
 Blue: 240V

SW-Y	Status	Display and operation at Local Remote Controller
OFF	Obey to local remote controller (Allowed)	Operation permitted
ON	Remote - OFF	"Central control" displayed. Local Remote Controller operation prohibited (not functioning)

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

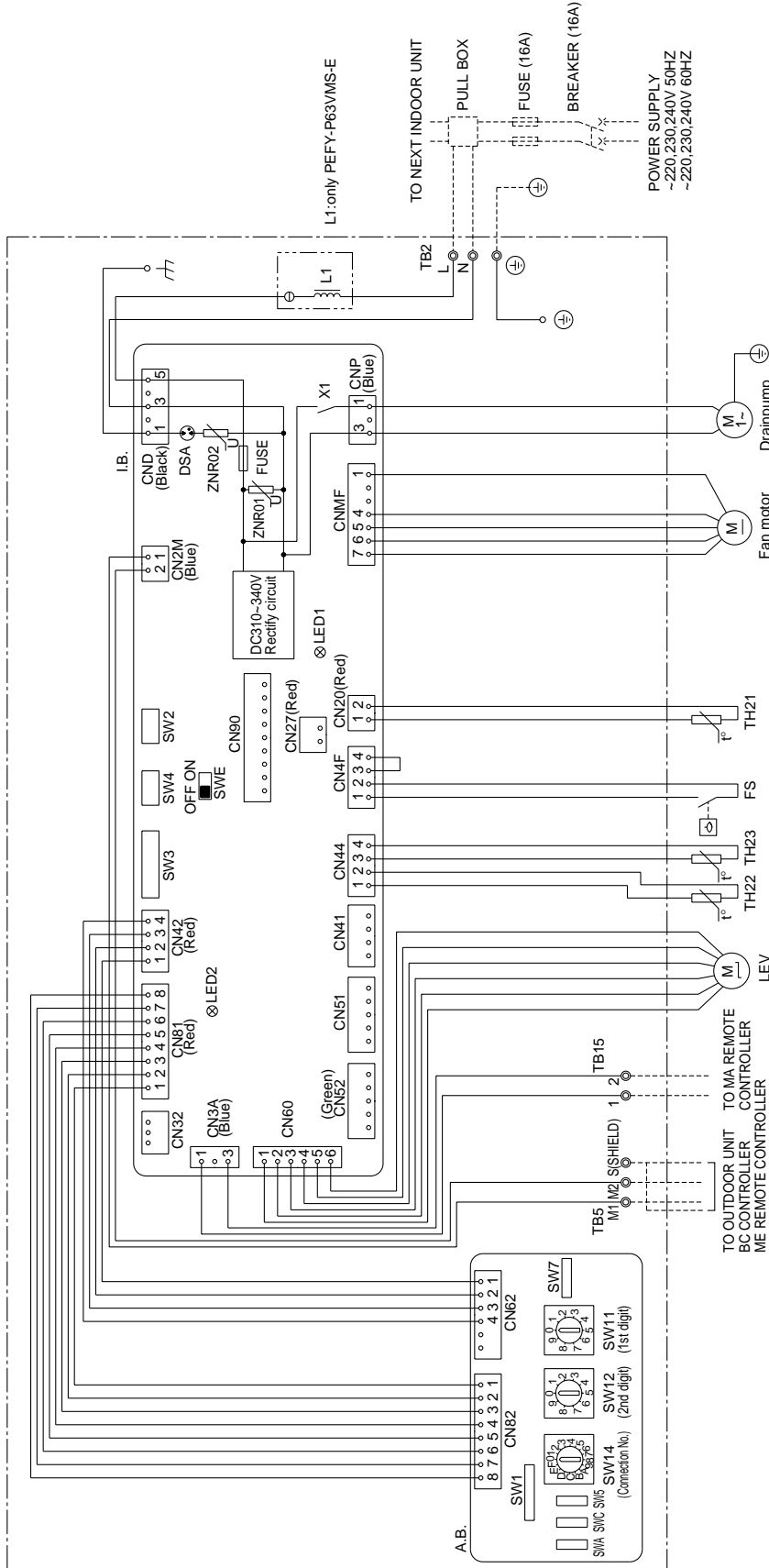
SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME
MF	Fan motor	TH21	Thermistor (inlet temp. detection)
C	Capacitor (for MF)	TH22	Thermistor (piping temp. detection/liquid)
I.B	Indoor controller board	TH23	Thermistor (piping temp. detection/gas)
A.B	Address board	SW1(A,B)	Switch (1st digit address set)
TB2	Power source terminal bed	SW12(A,B)	Switch (2nd digit address set)
TB5	Transmission terminal bed	SW14(A,B)	Switch (connection No. set)
TB15	Transmission terminal bed	SW1(A,B)	Switch (for mode selection)
F1	Fuse AC250V 6.3A F	SW2(I,B)	Switch (for capacity code)
T	Transformer	SW3(I,B)	Switch (for mode selection)
LEV	Electronic linear expan. valve	SW4(I,B)	Switch (for model selection)
S.B	Surge absorber board	SW5(A,B)	Switch (for voltage selection)
X04-X06	Aux. relay	SW7(A,B)	Switch (for mode selection)

PEFY-P20,25,32,40,50,63VMS-E

Draw. : IU-KB94-C539

INSIDE SECTION OF CONTROL BOX



NOTE: 1. The wirings to TB2, TB5, TB15 shown in dotted line are field work.  
 2. MarkⓂ indicates terminal bed connector.

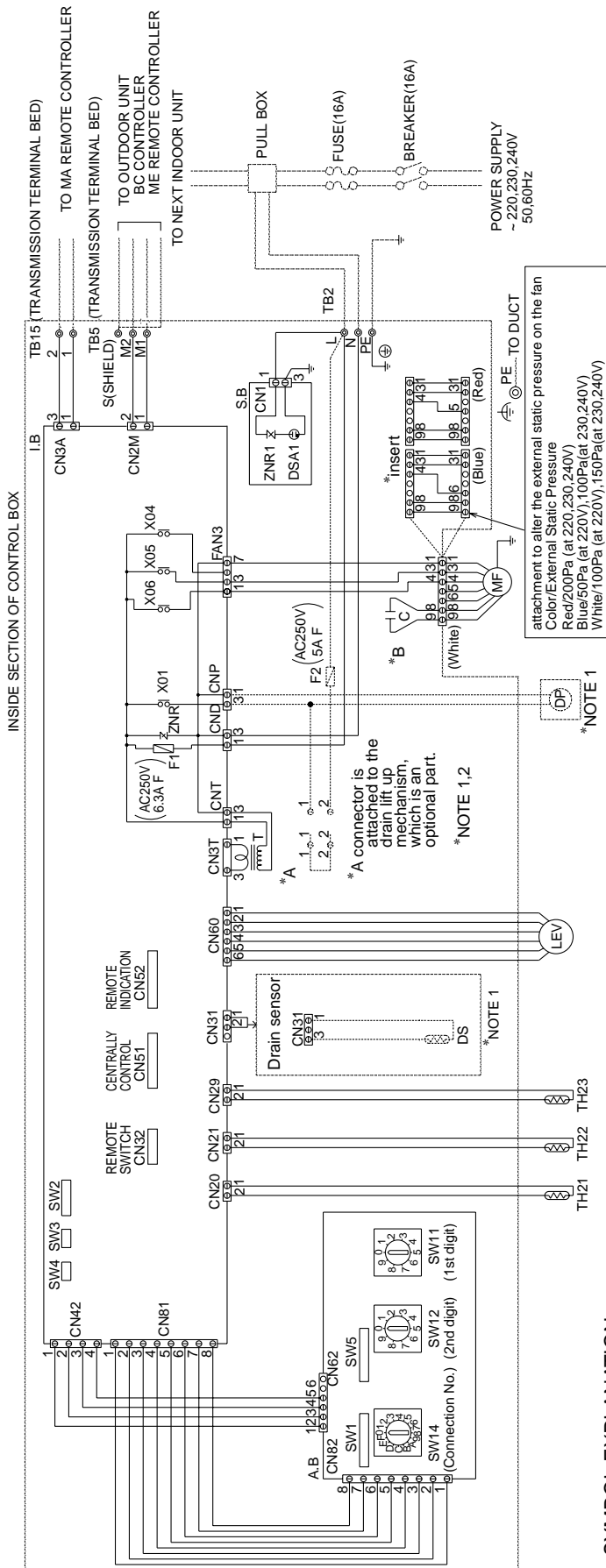
SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
I.B.	Indoor controller board	CN32	Connector (Remote switch)	SW4(I.B.)	Switch (for model selection)
A.B.	Address board	CN41	Connector (HA terminal-A)	SWE(I.B.)	Connector (emergency operation)
TB2	Power source terminal bed	CN51	Connector (Centrally control)	SW1(A.B.)	Switch (for mode selection)
TB5	Transmission terminal bed	CN52	Connector (Remote indication)	SW5(A.B.)	Switch (for mode selection)
TB15	Transmission terminal bed	CN90	Connector (Wireless)	SW7(A.B.)	Switch (for model selection)
FUSE	Fuse AC250V 6.3A	FS	Float switch	SW11(A.B.)	Switch (1st digit address set)
ZNR01,02	Varistor	TH21	Thermistor (inlet air temp.detection)	SW12(A.B.)	Switch (2nd digit address set)
DSA	Arrester	TH22	Thermistor (piping temp.detection/liquid)	SW14(A.B.)	Switch (Connection No. set)
X1	Aux. relay	TH23	Thermistor (piping temp.detection/gas)	SWA(A.B.)	Switch (for static pressure selection)
L1	AC reactor(Power factor improvement)	SW2(I.B.)	Switch (for capacity code)	SWC(A.B.)	Switch (for static pressure selection)
CN27	Connector (Damper)	SW3(I.B.)	Switch (for mode selection)		



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

Draw : IU-W65-3956



SYMBOL EXPLANATION

SYMBOL	NAME	SYMBOL	NAME
MF	Fan motor	S-B	Surge absorber board
C	*B Capacitor (for MF)	TH21	Thermistor (inlet temp. detection)
I.B	Indoor controller board	TH22	Thermistor (piping temp. detection/liquid)
A.B	Address board	TH23	Thermistor (piping temp. detection/gas)
TB2	Power source terminal bed	SW11(A,B)	Switch (1st digit address set)
TB5	Transmission terminal bed	SW12(A,B)	Switch (2nd digit address set)
FB1	Fuse AC250V 6.3A F	SW14(A,B)	Switch (connection No. set)
<F2>	Fuse AC250V 5A F	SW21(A,B)	Switch (for mode selection)
T	Transformer	SW31(L,B)	Switch (for capacity code)
<DP>	Drain Pump	SW41(L,B)	Switch (for mode selection)
LEV	Electronic linear expan. valve	SW51(A,B)	Switch (for voltage selection)
<DS>	Drain sensor	X04-X06	Aux. relay

inside < > is the optional parts

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.

3. The Drain Pump operates continuously if the connector is inserted and the power is supplied. After the test run, make sure to remove the \*A connector.

4. \*A connector.

5. The wirings to TB2, TB5 (shown in dotted line) are field work.

6. Mark ⊕ indicates terminal bed, ⊖ connector, ⊞ board insertion connector or fastening connector of control board.

attachment to alter the external static pressure on the fan  
 Color/External Static Pressure  
 Red/200Pa (at 220, 230, 240V)  
 Blue/50Pa (at 220V), 100Pa (at 230, 240V)  
 White/100Pa (at 220V), 150Pa (at 230, 240V)

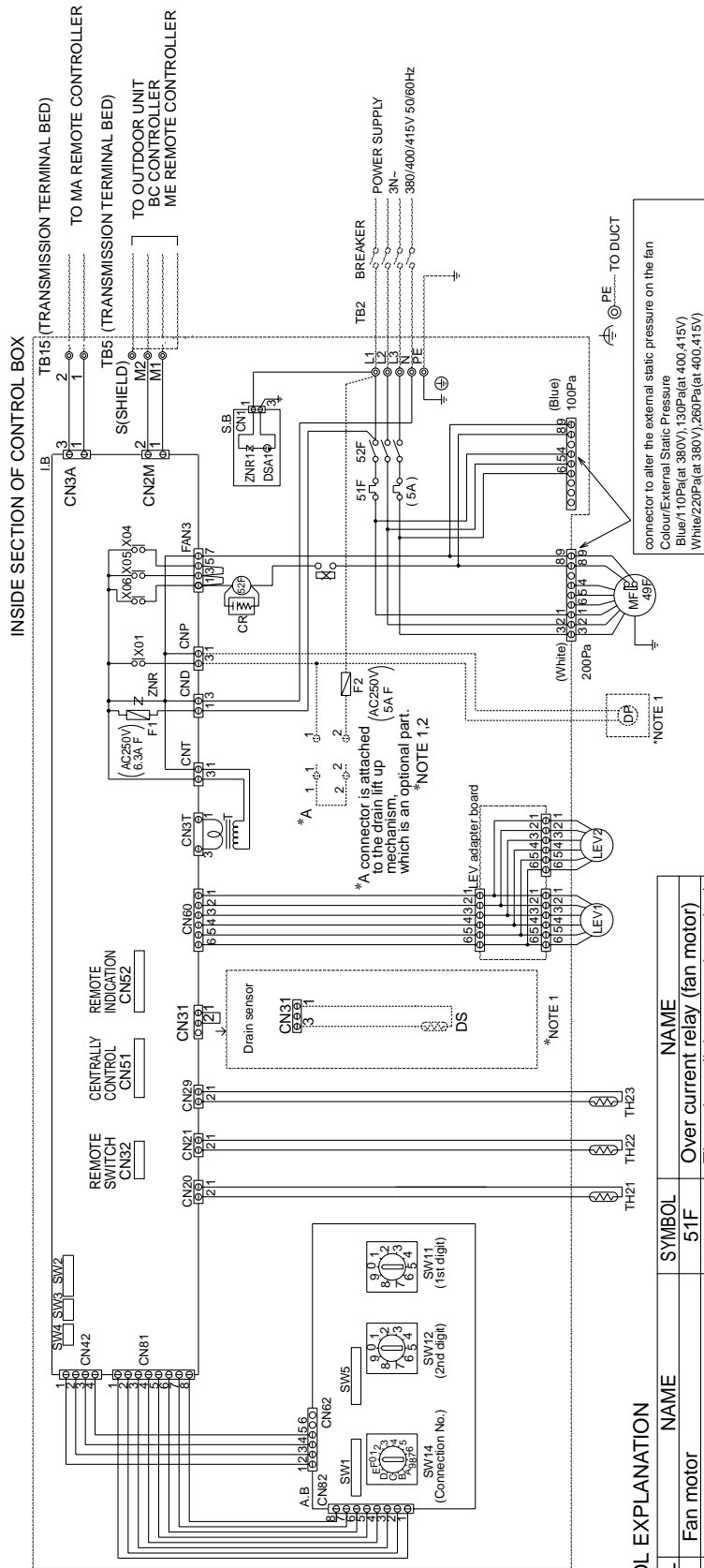
\*A connector is attached to the drain lift up mechanism, which is an optional part.  
 \*NOTE 1.2

\*NOTE 1

\*B Capacitor  
 MODELS 40/50 3.0μF  
 MODEL 63 4.0μF  
 MODELS 71/80 5.0μF  
 MODELS 100/125/140 7.0μF

PEFY-P200,250VMH-E

Drw. : IU-W65-3957



**CAUTION :** 1. To protect Fan motor from abnormal current, Over current relays-51F-> current relays, 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. (The Drain Pump operates continuously if the connector is inserted 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.

SYMBOL EXPLANATION

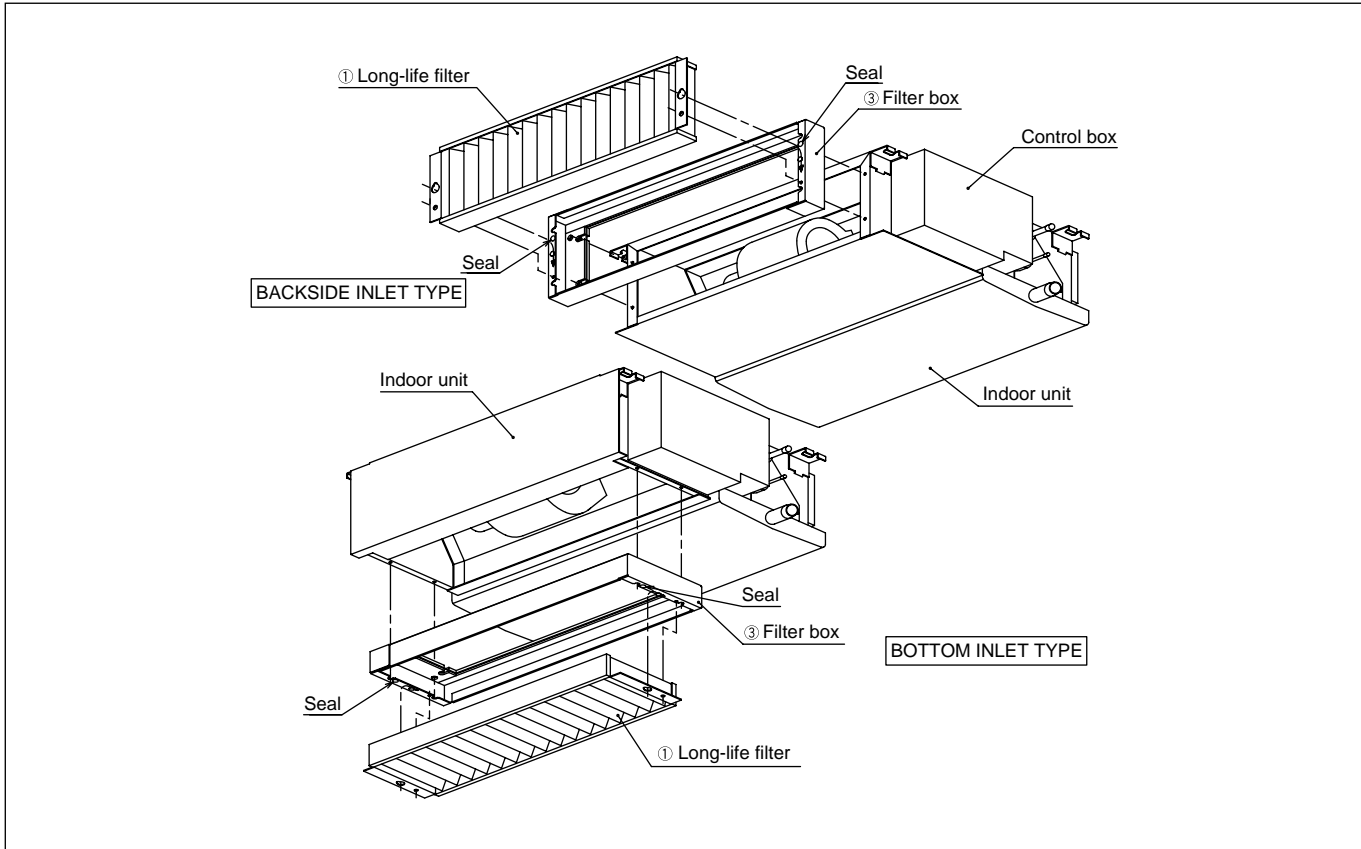
SYMBOL	NAME	SYMBOL	NAME
MF	Fan motor	51F	Over current relay (fan motor)
I.B	Indoor controller board	TH21	Thermistor (inlet temp.detection)
A.B	Address board	TH22	Thermistor (piping temp.detection/liquid)
TB2	Power source terminal bed	TH23	Thermistor (piping temp.detection/gas)
TB5	Transmission terminal bed	SW11(A.B)	Switch (1st digit address set)
F1	Fuse AC250V 6.3A F	SW12(A.B)	Switch (2nd digit address set)
<F2>	Fuse AC250V 5A F	SW14(A.B)	Switch (connection No.set)
T	Transformer	SW1(A.B)	Switch(for mode selection)
<DP>	Drain Pump	SW2(L.B)	Switch(for capacity code)
LEV1,LEV2	Electronic linear expans. valve	SW3(L.B)	Switch(for mode selection)
<DS>	Drain sensor	SW4(L.B)	Switch(for model selection)
S.B	Surge absorber board	SW5(A.B)	Switch(for voltage selection)
52F	Contactora (fan motor)	X04-X06	Aux.relay
		49F	Inner thermostat

inside < > is the optional parts

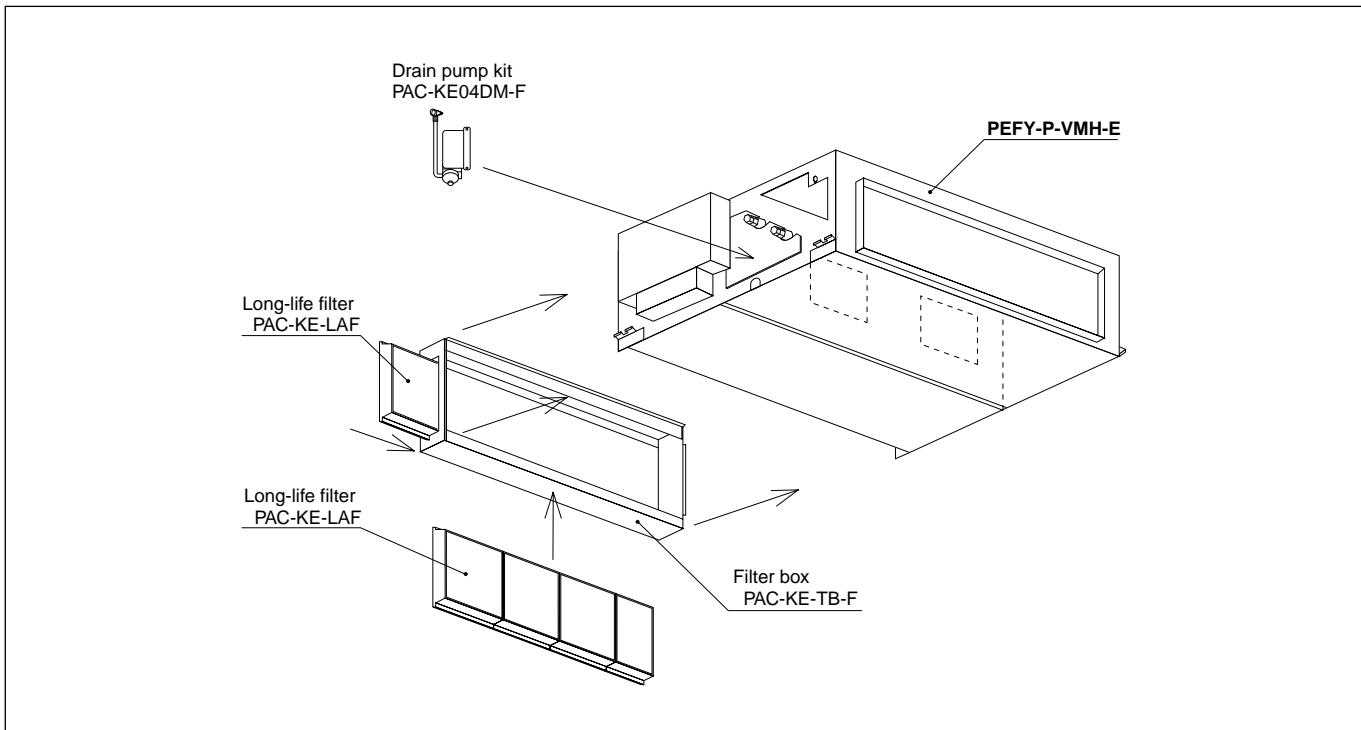
## Optional parts line up for the Indoor unit

	Long-life filter	Filter box	Drain pump kit
PEFY-P20,25,32VML-E	PAC-KE32LAF-F	—	—
PEFY-P40,50,63VMH-E	PAC-KE86LAF	PAC-KE63TB-F	PAC-KE04DM-F
PEFY-P71,80VMH-E	PAC-KE88LAF	PAC-KE80TB-F	PAC-KE04DM-F
PEFY-P100,125,140VMH-E	PAC-KE89LAF	PAC-KE140TB-F	PAC-KE04DM-F
PEFY-P200,250VMH-E	PAC-KE85LAF	PAC-KE250TB-F	PAC-KE04DM-F

### ● PEFY-P-VML-E



### ● PEFY-P-VMH-E

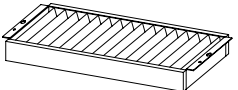



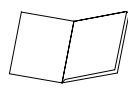


## Optional parts line up for the Indoor unit

	Long-life filter	Filter box	Drain pump kit
PEFY-P20,25,32VML-E	PAC-KE32LAF-F	-	-
PEFY-P40,50,63VMH-E	PAC-KE86LAF	PAC-KE63TB-F	PAC-KE04DM-F
PEFY-P71,80VMH-E	PAC-KE88LAF	PAC-KE80TB-F	PAC-KE04DM-F
PEFY-P100,125,140VMH-E	PAC-KE89LAF	PAC-KE140TB-F	PAC-KE04DM-F
PEFY-P200,250VMH-E	PAC-KE85LAF	PAC-KE250TB-F	PAC-KE04DM-F

### Long-life filter PAC-KE-LAF-F for PEFY-P-VML-E

Life span: 2,500 hr (Dust concentration 0.15mg/m<sup>3</sup>)  
 \*. The actual dust situation affects the filter life span, which should be considered at the applying site.  
 Material: Synthetic fiber unwoven cloth filter  
 Static pressure loss can be ignored for using the long-life filter PAC-KE-LAF.

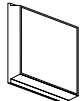
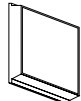
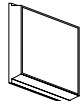
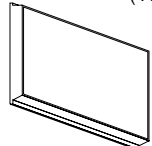
Item	① Long-life filter	② Screw A	③ Filter box	④ Screw B	⑤ Installation manual
Quantity	1	2	1	4	1
Shape					

Detailed installation information should be referred to its Installation Manual (WT04678X01)

### Long-life filter PAC-KE-LAF and filter box PAC-KE-TB-F for PEFY-P-VMH-E


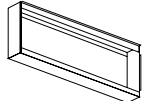
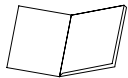
Life span: 2,500 hr (Dust concentration 0.15mg/m<sup>3</sup>)  
 \*. The actual dust situation affects the filter life span, which should be considered at the applying site.  
 Material: Synthetic fiber unwoven cloth filter  
 Static pressure loss is referred to 3-3 "Fan characteristics curves" at Data G2 IU-A-27~29.  
 Long-life filter should be used together with filter box PAC-KE-TB-F.

**PAC-KE-LAF**

Item	PAC-KE86LAF	PAC-KE88LAF	PAC-KE89LAF	PAC-KE85LAF
Quantity	2	3	3	2
Shape	(298X300) 	(298X300) 	(298X300) 	(411X600) 

Detailed installation information should be referred to its Installation Manual (WT02574X04)

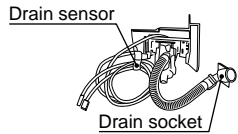
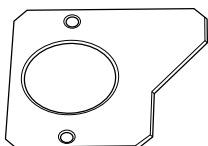


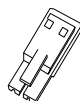

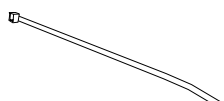

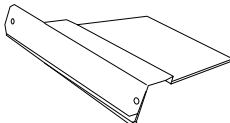
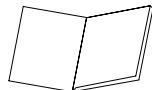
**PAC-KE-TB-F**

Item	① Screw	② Filter box	③ Installation manual	
Quantity	10/12*	1	1	
Shape				*PAC-KE250TB has 12 pieces of screw.

Detailed installation information should be referred to its Installation Manual (WT03018X02, WT03019X02)

### Drain pump kit PAC-KE04DM-F

If drain water can not flow out the Indoor unit by gravity and gradient, a Drain-pump-kit for draining is needed.  
 Drain pump kit PAC-KE04DM-F can pump water up to 550mm high from the drain pan.

Item	① Drain pump ass'y	② Separator	③ Rubber plug	④ Connector	⑤ Dummy connector
Quantity	1	1	2	1	1
Shape					
Item	⑥ Rubber bushing	⑦ Band	⑧ PTT screw 4X10	⑨ Fixing plate	⑩ Installation manual
Quantity	1	2	6+1 (spare)	1	1
Shape					

Detailed installation information should be referred to its Installation Manual (WT03312X02)

- A**
- B
- C
- D
- E
- F
- G
- H
- I
- J
- V<sub>1</sub>
- V<sub>2</sub>
- BC