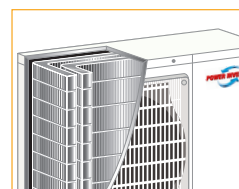


Gama Comercial **Mr.SLIM**

Serie Power Inverter

PUHZ-ZRP



**REFRIGERANTE
R410A**

**Tecnología
REPLACE**

A++

La eficiencia

Gran Rendimiento

- Compresor optimizado para funcionamiento a carga parcial.
- Intercambiador de gran superficie de doble capa y 64 columnas.
- Parrilla con estructura de reducida resistencia.
- Ventilador más amplio y rígido.

Fiabilidad

- Máximas distancias frigoríficas de hasta 75m de tubería total.
- Diferencia de altura entre unidades de hasta 30m.
- Garantía total de 2 años.
- Amplio rango de funcionamiento.

Máximas Prestaciones

- Tecnología Replace.
- Detección de fuga de refrigerante.
- Gran reducción del consumo eléctrico -20% de media.
- Cambio automático del modo de funcionamiento según temperatura exterior.

SERIE POWER INVERTER

ESPECIFICACIONES		PUHZ-ZRP35VKA	PUHZ-ZRP50VKA	PUHZ-ZRP60VHA	PUHZ-ZRP71VHA	PUHZ-ZRP100YKA	PUHZ-ZRP100YKA	PUHZ-ZRP125VKA	PUHZ-ZRP125YKA	PUHZ-ZRP140VKA	PUHZ-ZRP140YKA	
Alimentación eléctrica (V/Fases/HZ)		230/Monofásica/50					400/Trifásica/50	230/Mono/50	400/Trifásica/50	230/Mono/50	400/Trifásica/50	
Refrigerante		R410A										
Capacidad Nominal (Frio/Calor)		kW	3,6 / 4,1	5,0 / 6,0	6,1 / 7,0	7,1 / 8,0	10,0 / 11,2		12,5 / 14,0		13,4 / 16,0	
Dimensiones (Alt x Ancho x Fondo)		mm	630 x 809 x 300		943 x 950 x 330		1338 x 1050 x 330					
Peso		kg	43	46	67	67	116	124	116	126	119	132
Caudal de aire		m³/min	45	45	55	55	110	110	120	120	120	120
Nivel sonoro	Refrig.	dB(A)	44	44	47	47	49	49	50	50	50	50
	Calef.	dB(A)	46	46	48	48	51	51	52	52	52	52
Intensidad Máxima		A	13	13	19	19	26,5	8	26,5	9,5	28	11
Diámetro tuberías	Líquido/Gas	mm	6,35 / 12,7		9,52 / 15,88							
Long. Máx. tubería total/vert.		m	50 / 30				75 / 30					
Rangos funcionamiento	Refrig.(1)	°C	-15 ~ +46									
	Calef.	°C	-11 ~ +21		-20 ~ +21							

(1) En aquellos lugares donde la temperatura exterior sea inferior a -5°C, tanto la impulsión como el retorno de la unidad deberán quedar protegidos de la incidencia directa de vientos.

SEER/SCOP*	PUHZ-ZRP35VKA	PUHZ-ZRP50VKA	PUHZ-ZRP60VHA	PUHZ-ZRP71VHA	PUHZ-ZRP100VKA ó YKA		PUHZ-ZRP125VKA ó YKA		PUHZ-ZRP140VKA ó YKA	
Conductos PEAD-JAQ	5,6 (A+) / 4,0 (A+)	5,5 (A+) / 4,3 (A+)	5,8 (A+) / 4,1 (A+)	5,6 (A+) / 3,9 (A)	5,6 (A+) / 4,2 (A+)	5,5 (A+) / 4,2 (A+)	4,8** / 3,8**		4,3** / 3,6**	4,2** / 3,6**
Cassettes High COP PLA-ZRP	6,8 / 4,6 (A++) / (A++)	6,4 / 4,6 (A++) / (A++)	6,1 / 4,2 (A++) / (A+)	6,7 / 4,5 (A++) / (A+)	6,5 / 4,6 (A++) / (A++)	6,4 / 4,6 (A++) / (A++)	6,0** / 4,1**	5,9** / 4,1**	6,1** / 4,5**	6,0** / 4,5**
Cassettes PLA-RP	6,5 / 4,3 (A++) / (A+)	5,6 / 4,1 (A+) / (A+)	5,7 / 3,9 (A+) / (A)	6,4 / 4,3 (A++) / (A+)	6,2 / 4,1 (A++) / (A+)	6,0 / 4,1 (A+) / (A+)	5,0** / 3,9**	4,9** / 3,9**	5,5** / 4,0**	5,5** / 4,0**
Pared PKA-RP	5,7 / 3,9 (A+) / (A)	5,3 / 4,0 (A) / (A+)	6,3 / 4,2 (A++) / (A+)	6,5 / 4,3 (A++) / (A+)	6,1 / 4,0 (A++) / (A+)	6,0 / 4,0 (A+) / (A+)				
Techo PCA-KAQ	6,1 / 4,1 (A++) / (A+)	6,0 / 4,2 (A+) / (A+)	6,2 / 4,3 (A++) / (A+)	6,6 / 4,3 (A++) / (A+)	6,0 / 3,9 (A+) / (A)	5,9 / 3,9 (A+) / (A)	5,2** / 4,2**		5,3** / 4,4**	5,2** / 4,4**
Techo Aplic. Espec. PCA-HAQ				5,6 (A+) / 3,8 (A)						
Columna PSA-KA				6,3 (A++) / 4,0 (A+)	5,6 (A+) / 4,0 (A+)	5,5 (A+) / 4,0 (A+)	5,0** / 4,0**	4,9** / 4,0**	5,3** / 4,4**	

* SCOP Para zona climática intermedia según directiva ErP 206/2012.

** EER/SCOP medidas según EN14825. Valores de referencia.

Exclusiva de Mitsubishi Electric

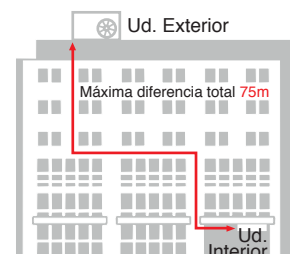
La tecnología REPLACE, disponible en todas las series inverter de la gama comercial Mr. Slim, consiste en una serie de soluciones desarrolladas exclusivamente por Mitsubishi Electric con el objetivo de **reemplazar un antiguo equipo** de aire acondicionado por otro de última tecnología, **reutilizando las tuberías** o adaptándolas a una preinstalación ya existente.



Máximas distancias frigoríficas

La elevada potencia de la tecnología Power Inverter permite trabajar en condiciones perfectas **hasta 75 metros de distancia frigorífica total**.

De esta manera se facilita al máximo la ubicación de las unidades exteriores sea cual sea el tamaño del edificio, llegando a todas las necesidades de uso residencial y/o comercial.



	COMPATIBILIDAD DE TUBERÍAS		FUNCIÓN AUTODIAGNÓSTICO		CONTROL PAM		RECUPERACIÓN DE REFRIGERANTE
	INVERTER DC		ARRANQUE EN CALIENTE		NUEVO DISEÑO DEL INTERCAMBIADOR		AUTO ARRANQUE TRAS PARO INESPERADO
	FUNCIONAMIENTO EN CALOR A -20°C		RENDIMIENTO ÓPTIMO A BAJAS TEMPERATURAS		VECTOR-WAVE ECO INVERTER		
	CAMBIO DE MODO AUTOMÁTICO		COMPRESOR SCROLL DE ALTA EFICIENCIA		MOTOR VENTILADOR DC		



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for a greener tomorrow

ECO Changes es la declaración medioambiental de Mitsubishi Electric, y expresa la posición del Grupo sobre la gestión medioambiental. A través de una amplia gama de negocios, Mitsubishi Electric contribuye a la consecución de una sociedad sostenible.



AIR CONDITIONING SYSTEMS

CITY MULTI

DATA BOOK

MODEL

PUMY-SP112-140VKM (-BS)

PUMY-SP112-140YKM (-BS)

PUMY-P112-140VKM4 (-BS)

PUMY-P112-140YKM4 (-BS)

PUMY-P112-140YKME4 (-BS)

PUMY-P200YKM2 (-BS)

Line-up of Outdoor Units of R410A CITY MULTI
Heat Pump S Series



PUMY-SP112VKM(-BS) PUMY-SP112YKM(-BS)
PUMY-SP125VKM(-BS) PUMY-SP125YKM(-BS)
PUMY-SP140VKM(-BS) PUMY-SP140YKM(-BS)

4.5, 5, 6HP



PUMY-P112VKM4(-BS) PUMY-P112YKM(E)4(-BS)
PUMY-P125VKM4(-BS) PUMY-P125YKM(E)4(-BS)
PUMY-P140VKM4(-BS) PUMY-P140YKM(E)4(-BS)
PUMY-P200YKM2(-BS)

4.5, 5, 6, 8HP

PUMY-SP-VKM, PUMY-SP-YKM, PUMY-P-VKM4, PUMY-P-YKM(E)4, PUMY-P-YKM2

1. SPECIFICATIONS	2
2. EXTERNAL DIMENSIONS	8
3. CENTER OF GRAVITY	12
4. ELECTRICAL WIRING DIAGRAMS	15
5. SOUND LEVELS	21
6. OPERATION TEMPERATURE RANGE	24
7. CAPACITY TABLES	26
7-1. Selection of Cooling/Heating Units	26
7-2. Correction by temperature	32
7-3. Correction by total indoor	40
7-4. Correction by refrigerant piping length	44
7-5. Correction at frost and defrost	45
8. OPTIONAL PARTS	46
8-1. JOINT	46
8-2. HEADER	47
8-3. BRANCH BOX	48
9. ELECTRICAL WORK	52
9-1. General cautions	52
9-2. Power supply for Outdoor unit	53
9-3. Power cable specifications	55
9-4. Power supply examples	60
10.M-NET CONTROL	62
10-1.Transmission cable length limitation	62
10-2.Transmission cable specifications	64
10-3.System configuration restrictions	65
10-4.Address setting	69
11.PIPING DESIGN	79
11-1.R410A Piping material	79
11-2.Piping Design	80
11-3.Refrigerant charging calculation	99
12.OUTDOOR INSTALLATION	100
12-1.Requirement on installation site	100
12-2.Spacing	102
12-3.Piping direction	104

1. SPECIFICATIONS

S-Series

PUMY-SP-VKM, YKM/PUMY-P-VKM4, YKM(E)4, YKM2

Model				PUMY-SP112VKM(-BS)		PUMY-SP125VKM(-BS)		PUMY-SP140VKM(-BS)		
Power source				1-phase 220-230-240 V, 50 Hz; 1-phase 220 V, 60 Hz						
Cooling capacity (Nominal)	*1	kW		12.5		14.0		15.5		
	*1	kcal/h		10,750		12,040		13,330		
	*1	BTU/h		42,650		47,768		52,886		
		Power input	kW	3.10		3.84		4.70		
		Current input	A	14.38-13.75-13.18, 14.38		17.81-17.04-16.33, 17.81		21.80-20.85-19.88, 21.80		
		EER	kW/kW		4.03		3.65		3.30	
Temp. range of cooling	Indoor	W.B.		15 ~ 24°C (59 ~ 75°F)						
	Outdoor	*3*4	D.B.		-5 ~ 52°C (23 ~ 126°F)					
Heating capacity (Nominal)	*2	kW		14.0		16.0		16.5		
	*2	kcal/h		12,040		13,760		14,190		
	*2	BTU/h		47,768		54,592		56,298		
		Power input	kW	3.17		3.90		4.02		
		Current input	A	14.70-14.06-13.48, 14.70		18.09-17.30-16.58, 18.09		18.65-17.83-17.09, 18.65		
		COP	kW/kW		4.42		4.10		4.10	
Temp. range of heating	Indoor	D.B.		15 ~ 27°C (59 ~ 81°F)						
	Outdoor	W.B.		-20 ~ 15°C (-4~ 59°F)						
Indoor unit connectable	Total capacity		50 to 130% of outdoor unit capacity							
	Model/ Quantity	CITY MULTI			P15-P140/9		P15-P140/10		P15-P140/12	
		Branch box *7			P15-P100/8		P15-P100/8		P15-P100/8	
		Mixed system	Branch box 1unit *7	CITY MULTI	P15-P140/5		P15-P140/5		P15-P140/5	
			Branch box		P15-P100/5		P15-P100/5		P15-P100/5	
			Branch box 2unit *7	CITY MULTI	P15-P140/3 or 2 *5		P15-P140/3		P15-P140/3	
	Branch box		P15-P100/7 or 8 *5		P15-P100/8		P15-P100/8			
Sound pressure level (measured in anechoic room)		dB <A>		52/54		53/56		54/56		
Sound power level (measured in anechoic room)		dB <A>		72/74		73/76		74/76		
Refrigerant piping diameter	Liquid pipe	mm (in.)		9.52 (3/8) Flare						
	Gas pipe	mm (in.)		15.88 (5/8) Flare						
FAN	Type × Quantity		Propeller Fan × 1							
	Air flow rate	m³/min		77		83		83		
		L/s		1283		1383		1383		
		cfm		2719		2931		2931		
	Control, Driving mechanism		DC control							
	Motor output	kW		0.20 × 1						
External static press.		0 Pa (0 mmH ₂ O) *8								
Compressor	Type × Quantity		Twin rotary hermetic compressor × 1							
	Manufacture		Mitsubishi Electric Corporation							
	Starting method		Inverter							
	Motor output	kW		3.1		3.5		3.7		
	Case heater	kW		0						
	Lubricant		FV50S (1.4liter)							
External finish			Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1							
External dimension H × W × D		mm	981 × 1,050 × 330(+40)							
		in.	38-5/8 × 41-3/8 × 13 (+1-37/64)							
Protection devices	High pressure protection		High pressure Switch							
	Inverter circuit (COMP./FAN)		Overcurrent detection, Overheat detection(Heat sink thermistor)							
	Compressor		Compressor thermistor, Overcurrent detection							
	Fan motor		Overheating, Voltage protection							
Refrigerant	Type × original charge		R410A×3.5 kg (8 lbs)							
	Control		Electronic expansion valve							
Net weight		kg (lbs)		93 (205) *6						
Heat exchanger				Cross Fin and Copper tube						
HIC circuit (HIC: Heat Inter-Changer)				HIC circuit						
Defrosting method				Reversed refrigerant circuit						
Drawing	External		RK01B171							
	Wiring		BH79J995							
Standard attachment	Document		Installation Manual							
	Accessory		Grounded lead wire × 2							
Optional parts				Joint: CMY-Y62-G-E Header: CMY-Y64/68-G-E Branch box: PAC-MK33/53BC(B)						
Remarks				1. Nominal conditions *1, *2 are subject to ISO 15042. 2. Due to continuing improvement, above specifications may be subject to change without notice.						
Note:				Unit converter						
Indoor : 27°C D.B./19°C W.B. [81°F D.B/66°F W.B.]				20°C D.B. [68°F D.B.]						
Outdoor : 35°C D.B. [95°F D.B.]				7°C DB/6°C W.B. [45°F D.B./43°F W.B.]						
Pipe length : 7.5 m [24-9/16 ft]				7.5 m [24-9/16 ft]						
Level difference : 0 m [0 ft]				0 m [0 ft]						
*3 10 to 52°C D.B. [50 to 126 °F D.B.], when connecting following models: PKFY-P15/20/25VBM, PFFY-P20/25/32VLE(R)M, PFFY-P20/25/32VKM, and M series , S series , and P series type indoor unit with branch box , M series type indoor unit with connection kit.										
*4 -15 to 52°C D.B. [5 to 126 °F D.B.];, when using an optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor unit listed in *3.										
*5 When connecting 7 indoor units via branch box, connectable CITYMULTI indoor units are 3; connecting 8 indoor units via branch box, connectable CITYMULTI indoor units are 2.										
*6 94 (207), for PUMY-SP112/125/140VKM-BS.										
*7 At least two indoor unit must be connected when using branch box.										
*8 It is possible to set the External static pressure to 30 Pa by Dip Switch.										
				kcal/h = kW × 860 BTU/h = kW × 3,412 cfm = m³/min × 35.31 lb = kg/0.4536						
				Above specification data is subject to rounding variation.						

1. SPECIFICATIONS

S-Series

PUMY-SP-VKM, YKM/PUMY-P-VKM4, YKM(E)4, YKM2

Model				PUMY-SP112YKM(-BS)	PUMY-SP125YKM(-BS)	PUMY-SP140YKM(-BS)	
Power source				3-phase380-400-415V, 50 Hz; 3-phase 380 V, 60 Hz			
Cooling capacity (Nominal)	*1	kW		12.5	14.0	15.5	
	*1	kcal/h		10,750	12,040	13,330	
	*1	BTU/h		42,650	47,768	52,886	
		Power input	kW	3.10	3.84	4.70	
		Current input	A	4.96-4.71-4.54,4.96	6.14-5.83-5.62,6.14	7.52-7.14-6.88,7.52	
		EER	kW/kW	4.03	3.65	3.30	
Temp. range of cooling	Indoor		W.B.	15 ~ 24°C (59 ~ 75°F)			
	Outdoor	*3*4	D.B.	-5 ~ 52°C (23 ~ 126°F)			
Heating capacity (Nominal)	*2	kW		14.0	16.0	16.5	
	*2	kcal/h		12,040	13,760	14,190	
	*2	BTU/h		47,768	54,592	56,298	
		Power input	kW	3.17	3.90	4.02	
		Current input	A	5.07-4.82-4.64 , 5.07	6.24-5.93-5.71, 6.24	6.43-6.11-5.89, 6.43	
		COP	kW/kW	4.42	4.10	4.10	
Temp. range of heating	Indoor		D.B.	15 ~ 27°C (59 ~ 81°F)			
	Outdoor		W.B.	-20 ~ 15°C (-4~ 59°F)			
Indoor unit connectable	Total capacity	50 to 130% of outdoor unit capacity					
	Model/ Quantity	CITY MULTI		P15-P140/9	P15-P140/10	P15-P140/12	
		Branch box *7		P15-P100/8	P15-P100/8	P15-P100/8	
		Mixed system	Branch box 1unit *7	CITY MULTI	P15-P140/5	P15-P140/5	P15-P140/5
				Branch box	P15-P100/5	P15-P100/5	P15-P100/5
			Branch box 2unit *7	CITY MULTI	P15-P140/3 or 2 *5	P15-P140/3	P15-P140/3
		Branch box	P15-P100/7 or 8 *5	P15-P100/8	P15-P100/8		
Sound pressure level (measured in anechoic room)		dB <A>	52/54	53/56	54/56		
Sound power level (measured in anechoic room)		dB <A>	72/74	73/76	74/76		
Refrigerant piping diameter	Liquid pipe	mm (in.)		9.52 (3/8) Flare			
	Gas pipe	mm (in.)		15.88 (5/8) Flare			
FAN	Type × Quantity		Propeller Fan × 1				
	Air flow rate	m³/min	77	83	83		
		L/s	1283	1383	1383		
		cfm	2719	2931	2931		
	Control, Driving mechanism		DC control				
	Motor output	kW	0.20 × 1				
External static press.		0 Pa (0 mmH ₂ O) *8					
Compressor	Type × Quantity		Twin rotary hermetic compressor × 1				
	Manufacture		Mitsubishi Electric Corporation				
	Starting method		Inverter				
	Motor output	kW	3.1	3.5	3.7		
	Case heater	kW	0				
	Lubricant		FV50S (1.4liter)				
External finish			Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1				
External dimension H × W × D	mm	981 × 1,050 × 330(+40)					
	in.	38-5/8 × 41-3/8 × 13 (+1-37/64)					
Protection devices	High pressure protection		High pressure Switch				
	Inverter circuit (COMP./FAN)		Overcurrent detection, Overheat detection(Heat sink thermistor)				
	Compressor		Compressor thermistor, Overcurrent detection				
	Fan motor		Overheating, Voltage protection				
Refrigerant	Type × original charge		R410A×3.5 kg (8 lbs)				
	Control		Electronic expansion valve				
Net weight		kg (lbs)	94 (207) *6				
Heat exchanger			Cross Fin and Copper tube				
HIC circuit (HIC: Heat Inter-Changer)			HIC circuit				
Defrosting method			Reversed refrigerant circuit				
Drawing	External		RK01B171				
	Wiring		BH79J996				
Standard attachment	Document		Installation Manual				
	Accessory		Grounded lead wire × 2				
Optional parts			Joint: CMY-Y62-G-E Header: CMY-Y64/68-G-E Branch box: PAC-MK33/53BC(B)				
Remarks			1. Nominal conditions *1, *2 are subject to ISO 15042. 2. Due to continuing improvement, above specifications may be subject to change without notice.				
Note:			Unit converter				
Indoor : 27°C D.B./19°C W.B. [81°F D.B./66°F W.B.]			kcal/h = kW × 860				
Outdoor : 35°C D.B. [95°F D.B.]			BTU/h = kW × 3,412				
Pipe length : 7.5 m [24-9/16 ft]			cfm = m³/min × 35.31				
Level difference : 0 m [0 ft]			lb = kg/0.4536				
*3 10 to 52°C D.B. [50 to 126 °F D.B.], when connecting following models: PKFY-P15/20/25VBM, PFFY-P20/25/32VLE(R)M, PFFY-P20/25/32VKM, and M series , S series , and P series type indoor unit with branch box , M series type indoor unit with connection kit.			Above specification data is subject to rounding variation.				
*4 -15 to 52°C D.B. [5 to 126 °F D.B.], when using an optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor unit listed in *3.							
*5 When connecting 7 indoor units via branch box, connectable CITYMULTI indoor units are 3; connecting 8 indoor units via branch box, connectable CITYMULTI indoor units are 2.							
*6 95 (209), for PUMY-SP112/125/140YKM.BS.							
*7 At least two indoor unit must be connected when using branch box.							
*8 It is possible to set the External static pressure to 30 Pa by Dip Switch.							

1. SPECIFICATIONS

S-Series

PUMY-SP-VKM, YKM/PUMY-P-VKM4, YKM(E)4, YKM2

Model			PUMY-P112VKM4(-BS)	PUMY-P125VKM4(-BS)	PUMY-P140VKM4(-BS)			
Power source			1-phase 220-230-240 V, 50 Hz; 1-phase 220-230 V, 60 Hz					
Cooling capacity (Nominal)	*1	kW	12.5	14.0	15.5			
	*1	kcal/h	10,750	12,040	13,330			
	*1	BTU/h	42,650	47,768	52,886			
		Power input	kW	2.79	3.46	4.52		
		Current input	A	12.87-12.32-11.80, 12.87-12.32	15.97-15.27-14.64, 15.97-15.27	20.86-19.95-19.12, 20.86-19.95		
		EER	kW/kW	4.48	4.05	3.43		
Temp. range of cooling	Indoor	W.B.	15 ~ 24°C (59 ~ 75°F)					
	Outdoor	*3*4 D.B.	-5 ~ 52°C (23 ~ 126°F)					
Heating capacity (Nominal)	*2	kW	14.0	16.0	18.0			
	*2	kcal/h	12,040	13,760	15,480			
	*2	BTU/h	47,768	54,592	61,416			
		Power input	kW	3.04	3.74	4.47		
		Current input	A	14.03-13.42-12.86, 14.03-13.42	17.26-16.51-15.82, 17.26-16.51	20.63-19.73-18.91, 20.63-19.73		
		COP	kW/kW	4.61	4.28	4.03		
Temp. range of heating	Indoor	D.B.	15 ~ 27°C (59 ~ 81°F)					
	Outdoor	W.B.	-20 ~ 15°C (-4~ 59°F)					
Indoor unit connectable	Total capacity		50 to 130% of outdoor unit capacity					
	Model/ Quantity		CITY MULTI	P15 - P140/9	P15 - P140/10	P15 - P140/12		
			Branch box *6	P15 - P100/8	P15 - P100/8	P15 - P100/8		
			Mixed system	Branch box 1unit *6	CITY MULTI	P15 - P140/5	P15 - P140/5	P15 - P140/5
				Branch box	P15 - P100/5	P15 - P100/5	P15 - P100/5	
				Branch box 2unit *6	CITY MULTI	P15 - P140/3 or 2*5	P15 - P140/3	P15 - P140/3
	Branch box	P15 - P100/7 or 8*5	P15 - P100/8	P15 - P100/8				
Sound pressure level (measured in anechoic room)		dB <A>	49/51	50/52	51/53			
Sound power level (measured in anechoic room)		dB <A>	69/71	70/72	71/73			
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52 (3/8) Flare					
	Gas pipe	mm (in.)	15.88 (5/8) Flare					
FAN	Type × Quantity		Propeller Fan x 2					
	Air flow rate	m³/min	110					
		L/s	1,833					
		cfm	3,884					
	Control, Driving mechanism		DC control					
	Motor output	kW	0.074+0.074					
	External static press.		0 Pa (0 mmH ₂ O)					
Compressor	Type × Quantity		Scroll hermetic compressor x 1					
	Manufacture		Mitsubishi Electric Corporation					
	Starting method		Inverter					
	Motor output	kW	2.9	3.5	3.9			
	Case heater	kW	0					
	Lubricant		FV50S (2.3litter)					
	External finish		Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1					
External dimension H × W × D	mm	1,338×1,050×330(+40)						
	in.	52-11/16 × 41-11/32 × 13(+1-9/16)						
Protection devices	High pressure protection		High pressure Switch					
	Inverter circuit (COMP./FAN)		Overcurrent detection, Overheat detection(Heat sink thermistor)					
	Compressor		Compressor thermistor, Overcurrent detection					
	Fan motor		Overheating, Voltage protection					
Refrigerant	Type × original charge		R410A × 4.8 kg (11lbs)					
	Control		Linear expansion valve					
Net weight		kg (lbs)	122 (269)					
Heat exchanger			Cross Fin and Copper tube					
HIC circuit (HIC: Heat Inter-Changer)			HIC circuit					
Defrosting method			Reversed refrigerant circuit					
Drawing	External		BK01N346					
	Wiring		BH78B813					
Standard attachment	Document		Installation Manual					
	Accessory		Grounded lead wire ×1					
Optional parts			Joint: CMY-Y62-G-E, Header: CMY-Y64/68-G-E, Branch box: PAC-MK31/32/33/51/52/53BC(B)					
Remarks			1. Nominal conditions *1, *2 are subject to ISO 15042. 2. Due to continuing improvement, above specifications may be subject to change without notice.					
Notes			Unit converter					
*1 Nominal cooling conditions			*2 Nominal heating conditions					
Indoor: 27°C D.B./19°C W.B. [81°F D.B/66°F W.B.]			20°C D.B. [68°F D.B.]					
Outdoor: 35°C D.B. [95°F D.B.]			7°C DB/6°C W.B. [45°F D.B./43°F W.B.]					
Pipe length: 7.5 m [24-9/16 ft]			7.5 m [24-9/16 ft]					
Level difference: 0 m [0 ft]			0 m [0 ft]					
*3 10 to 52°C D.B. [50 to 126°F D.B.], when connecting following models: PKFY-P15/20/25VBM, PFFY-P20/25/32VLE(R)M, PFFY-P20/25/32VKM, PEFY-P25/32/40VMA3; and M series, S series, and P series type indoor unit.								
*4 -15 to 52°C D.B. [5 to 126°F D.B.], when using an optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor unit listed in *3.								
*5 When connecting 7 indoor units via branch box, connectable CITYMULTI indoor units are 3; connecting 8 indoor units via branch box, connectable CITYMULTI indoor units are 2.								
*6 At least two indoor unit must be connected when using branch box.								
			kcal/h = kW × 860 BTU/h = kW × 3,412 cfm = m³/min × 35.31 lb = kg/0.4536					
			Above specification data is subject to rounding variation.					

1. SPECIFICATIONS

S-Series

PUMY-SP-VKM, YKMP/PUMY-P-VKM4, YKME4, YKM2

Model				PUMY-P112YKM4(-BS)	PUMY-P125YKM4(-BS)	PUMY-P140YKM4(-BS)	
Power source				3-phase 380-400-415 V, 50 Hz; 3-phase 380 V, 60 Hz			
Cooling capacity (Nominal)	*1	kW		12.5	14.0	15.5	
	*1	kcal/h		10,750	12,040	13,330	
	*1	BTU/h		42,650	47,768	52,886	
		Power input	kW	2.79	3.46	4.52	
		Current input	A	4.99-4.74-4.57, 4.99	5.84-5.55-5.35, 5.84	7.23-6.87-6.62, 7.23	
		EER	kW/kW	4.48	4.05	3.43	
Temp. range of cooling	Indoor	W.B.	15 ~ 24°C (59 ~ 75°F)				
	Outdoor	*3*4 D.B.	-5 ~ 52°C (23 ~ 126°F)				
Heating capacity (Nominal)	*2	kW	14.0	16.0	18.0		
	*2	kcal/h	12,040	13,760	15,480		
	*2	BTU/h	47,768	54,592	61,416		
		Power input	kW	3.04	3.74	4.47	
		Current input	A	5.43-5.16-4.98, 5.43	6.31-6.00-5.78, 6.31	7.15-6.79-6.55, 7.15	
		COP	kW/kW	4.61	4.28	4.03	
Temp. range of heating	Indoor	D.B.	15 ~ 27°C (59 ~ 81°F)				
	Outdoor	W.B.	-20 ~ 15°C (-4 ~ 59°F)				
Indoor unit connectable	Total capacity		50 to 130% of outdoor unit capacity				
	Model/ Quantity	CITY MULTI		P15 - P140/9	P15 - P140/10	P15 - P140/12	
		Branch box *6		P15 - P100/8	P15 - P100/8	P15 - P100/8	
		Mixed system	Branch box 1unit *6	CITY MULTI	P15 - P140/5	P15 - P140/5	P15 - P140/5
				Branch box	P15 - P100/5	P15 - P100/5	P15 - P100/5
			Branch box 2unit *6	CITY MULTI	P15 - P140/3 or 2*5	P15 - P140/3	P15 - P140/3
		Branch box	P15 - P100/7 or 8*5	P15 - P100/8	P15 - P100/8		
Sound pressure level (measured in anechoic room)		dB <A>	49/51	50/52	51/53		
Sound power level (measured in anechoic room)		dB <A>	69/71	70/72	71/73		
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52 (3/8) Flare				
	Gas pipe	mm (in.)	15.88 (5/8) Flare				
FAN	Type × Quantity		Propeller Fan × 2				
	Air flow rate	m³/min	110				
		L/s	1,833				
		cfm	3,884				
	Control, Driving mechanism		DC control				
	Motor output	kW	0.074+0.074				
	External static press.		0 Pa (0 mmH ₂ O)				
Compressor	Type × Quantity		Scroll hermetic compressor × 1				
	Manufacture		Mitsubishi Electric Corporation				
	Starting method		Inverter				
	Motor output	kW	2.9	3.5	3.9		
	Case heater	kW	0				
	Lubricant		FV50S(2.3liter)				
External finish			Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1				
External dimension H × W × D		mm	1338 × 1050 × 330(+40)				
		in.	52-11/16 × 41-11/32 × 13 (+1-9/16)				
Protection devices	High pressure protection		High pressure Switch				
	Inverter circuit (COMP./FAN)		Overcurrent detection, Overheat detection(Heat sink thermistor)				
	Compressor		Compressor thermistor, Over current detection				
	Fan motor		Overheating, Voltage protection				
Refrigerant	Type × original charge		R410A ×4.8 kg (11 lbs)				
	Control		Linear expansion valve				
Net weight		kg (lbs)	125 (276)				
Heat exchanger			Cross Fin and Copper tube				
HIC circuit (HIC: Heat Inter-Changer)			HIC circuit				
Defrosting method			Reversed refrigerant circuit				
Drawing	External		BK01N339				
	Wiring		BH78B814				
Standard attachment	Document		Installation Manual				
	Accessory		Grounded lead wire x1				
Optional parts			Joint: CMY-Y62-G-E, Header: CMY-Y64/68-G-E, Branch box: PAC-MK31/32/33/51/52/53BC(B)				
Remarks			1. Nominal conditions *1, *2 are subject to ISO 15042. 2. Due to continuing improvement, above specifications may be subject to change without notice.				
Notes :							
*1 Nominal cooling conditions			*2 Nominal heating conditions		Unit converter		
Indoor: 27°C D.B./19°C W.B. [81°F D.B./66°F W.B.]			20°C D.B. [68°F D.B.]		kcal/h = kW × 860		
Outdoor: 35°C D.B. [95°F D.B.]			7°C DB/6°C W.B. [45°F D.B./43°F W.B.]		BTU/h = kW × 3,412		
Pipe length: 7.5 m [24-9/16 ft]			7.5 m [24-9/16 ft]		cfm = m³/min × 35.31		
Level difference: 0 m [0 ft]			0 m [0 ft]		lbs = kg/0.4536		
*3 10 to 52°C D.B. [50 to 126°F D.B.], when connecting following models: PKFY-P15/20/25VBM, PFFY-P20/25/32VLE(R)M, PFFY-P20/25/32VKM, PEFY-P25/32/40VMA3; and M series, S series, and P series type indoor unit.							
*4 -15 to 52°C D.B. [5 to 126°F D.B.], when using an optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor unit listed in *3.							
*5 When connecting 7 indoor units via branch box, connectable CITY MULTI indoor units are 3; connecting 8 indoor units via branch box, connectable CITY MULTI indoor units are 2.							
*6 At least two indoor unit must be connected when using branch box.							
Above specification data is subject to rounding variation.							

1. SPECIFICATIONS

S-Series

PUMY-SP-VKM, YKM/PUMY-P-VKM4, YKM(E)4, YKM2

Model				PUMY-P112YKME4(-BS)	PUMY-P125YKME4(-BS)	PUMY-P140YKME4(-BS)	
Power source				3-phase 380-400-415 V, 50 Hz			
Cooling capacity (Nominal)		kW*1	12.5		14.0	15.5	
		kcal/h*1	10,750		12,040	13,330	
		BTU/h*1	42,650		47,768	52,886	
	Power input	kW	2.79	3.46	4.52		
	Current input	A	4.99-4.74-4.57	5.84-5.55-5.35	7.23-6.87-6.62		
	COP	kW/kW	4.48	4.05	3.43		
Temp. range of cooling	Indoor temp.	W.B.	15 ~ 24°C				
	Outdoor temp.	D.B.	-5 ~ 52°C *3, *4				
Heating capacity (Nominal)		kW*2	14.0	16.0	18.0		
		kcal/h*2	12,040	13,760	15,480		
		BTU/h*2	47,768	54,592	61,416		
	Power input	kW	3.04	3.74	4.47		
	Current input	A	5.43-5.16-4.98	6.31-6.00-5.78	7.15-6.79-6.55		
	COP	kW/kW	4.61	4.28	4.03		
Temp. range of heating	Indoor temp.	D.B.	15 ~ 27°C				
	Outdoor temp.	W.B.	-20 ~ 15°C				
Indoor unit connectable	Total capacity	50 to 130% of outdoor unit capacity					
	Model/ Quantity	CITY MULTI		P15 - P140/9	P15 - P140/10	P15 - P140/12	
		Branch box*6		P15 - P100/8	P15 - P100/8	P15 - P100/ 8	
		Mixed system	Branch box 1unit*6	CITY MULTI	P15 - P140/5	P15 - P140/5	P15 - P140/5
				Branch box	P15 - P100/5	P15 - P100/5	P15 - P100/5
			Branch box 2unit*6	CITY MULTI	P15 - P140/3 or 2*5	P15 - P140/3	P15 - P140/3
		Branch box	P15 - P100/7 or 8*5	P15 - P100/8	P15 - P100/8		
Sound pressure level (measured in anechoic room)		dB <A>	49/51	50/52	51/53		
Power pressure level (measured in anechoic room)		dB <A>	69/71	70/72	71/73		
Refrigerant piping diameter	Liquid pipe	mm (inch)	9.52 (3/8)				
	Gas pipe	mm (inch)	15.88 (5/8)				
FAN *2	Type × Quantity		Propeller Fan x 2				
	Air flow rate	m³/min	110				
		L/s	1,833				
		cfm	3,884				
	Control, Driving mechanism		DC control				
	Motor output	kW	0.074+0.074				
External static press.		0					
Compressor	Type × Quantity		Scroll hermetic compressor x 1				
	Manufacture		Mitsubishi Electric Corporation				
	Starting method		Inverter				
	Capacity control	%	Cooling 26 to 100 Heating 20 to 100	Cooling 24 to 100 Heating 18 to 100	Cooling 21 to 100 Heating 17 to 100		
	Motor output	kW	2.9	3.5	3.9		
	Case heater	kW	0				
	Lubricant		FV50S (2.3litter)				
	External finish		Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1				
External dimension H × W × D		mm	1,338×1,050×330(+40)				
		inch	52-11/16 × 41-11/32 × 13(+1-9/16)				
Protection devices	High pressure protection		High pressure Switch				
	Inverter circuit (COMP./FAN)		Overcurrent detection, Overheat detection(Heat sink thermistor)				
	Compressor		Compressor thermistor, Overcurrent detection				
	Fan motor		Overheating, Voltage protection				
Refrigerant	Type × original charge		R410A 4.8kg				
	Control		Linear expansion valve				
Net weight		kg (lb)	136 (300)				
Heat exchanger				Cross Fin and Copper tube			
HIC circuit (HIC: Heat Inter-Changer)				HIC circuit			
Defrosting method				Reversed refrigerant circuit			
Drawing	External		BK01N339				
	Wiring		BH78J358				
Standard attachment	Document		Installation Manual				
	Accessory		Grounded lead wire ×1				
Optional parts			Joint: CMY-Y62-G-E, Header: CMY-Y64/68-G-E, Branch box: PAC-MK31/32/33/51/52/53BC(B)				
Remarks			Unit converter				
*1 Nominal cooling conditions Indoor : 27°C D.B./19°C W.B. [81°F D.B/66°F W.B.] Outdoor : 35°C D.B. [95°F D.B.] Pipe length : 7.5 m [24-9/16 ft] Level difference : 0 m [0 ft]			*2 Nominal heating conditions 20°C D.B. [68°F D.B.] 7°C DB/6°C W.B. [45°F D.B./43°F W.B.] 7.5 m [24-9/16 ft] 0 m [0 ft]				
*3 10 to 52°C D.B. [50 to 126°F D.B.], when connecting following models: PKFY-P15/20/25VBM, PFFY-P20/25/32VLE(R)M, PFFY-P20/25/32VKM, PEFY-P25/32/40VMA3; and M series, S series, and P series type indoor unit.							
*4 -15 to 52°C D.B. [50 to 126°F D.B.], when using an optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor unit listed in *3.							
*5 When connecting 7 indoor units via branch box, connectable CITY MULTI indoor units are 3; connecting 8 indoor units via branch box, connectable CITY MULTI indoor units are 2.			Above specification data is subject to rounding variation.				
*6 At least two indoor unit must be connected when using branch box.							
Notes : 1. Nominal conditions *1, *2 are subject to ISO 15042.							
2. Due to continuing improvement, above specifications may be subject to change without notice.							

1. SPECIFICATIONS

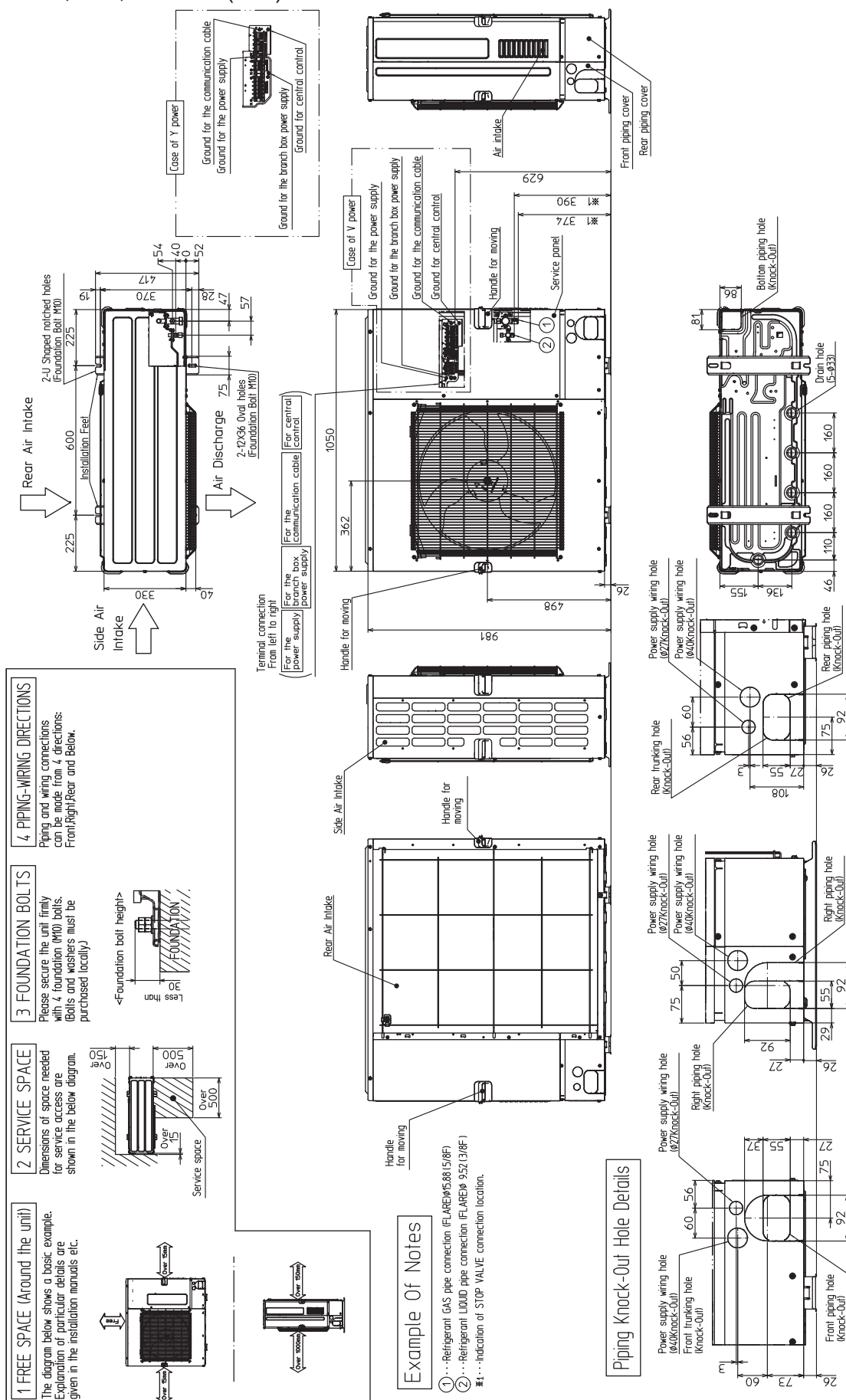
S-Series

PUMY-SP-VKM, YKM/PUMY-P-VKM4, YKM(E)4, YKM2

Model				PUMY-P200YKM2(-BS)		
Power source				3-phase 380-400-415 V, 50 Hz		
Cooling capacity (Nominal)			*1	kW	22.4	
			*1	kcal/h	19,300	
			*1	BTU/h	76,400	
		Power input	kW	6.05		
		Current input	A	9.88-9.39-9.05		
	EER	kW/kW	3.70			
Temp. range of cooling	Indoor		W.B.	15 ~ 24°C (59 ~ 75°F)		
	Outdoor	*3*4	D.B.	-5 ~ 52°C (23 ~ 126°F)		
Heating capacity (Nominal)			*2	kW	25.0	
			*2	kcal/h	21,500	
			*2	BTU/h	85,300	
		Power input	kW	5.84		
		Current input	A	9.54-9.06-8.74		
	COP	kW/kW	4.28			
Temp. range of heating	Indoor		D.B.	15 ~ 27°C (59 ~ 81°F)		
	Outdoor	*3*4	W.B.	-20 ~ 15°C (-4 ~ 59°F)		
Indoor unit connectable	Total capacity			50 to 130% of outdoor unit capacity		
	Model/ Quantity	CITY MULTI			P15-P200/12	
		Branch box *6			kW type: P15-P100/8	
		Mixed system	Branch box 1 unit *6	CITY MULTI	P15-P200/5	
			Branch box	kW type: P15-P100/5		
			Branch box 2 units *6	CITY MULTI	P15-P200/3	
Branch box			kW type: P15-P100/8			
Sound pressure level (measured in anechoic room)			dB <A>	56/61		
Sound power level (measured in anechoic room)			dB <A>	75/80		
Refrigerant piping diameter	Liquid pipe	mm (in.)	9.52 (3/8) ⁵ Flare			
	Gas pipe	mm (in.)	19.05 (3/4) Flare			
FAN	Type × Quantity			Propeller Fan × 2		
	Air flow rate	m³/min	141			
			L/s	2,350		
			cfm	4,978		
	Control, Driving mechanism			DC control		
	Motor output		kW	0.20 + 0.20		
	External static pressure			0 Pa (0 mmH ₂ O)		
Compressor	Type × Quantity			Scroll hermetic compressor × 1		
	Manufacturer			Siam Compressor Industry Co., Ltd.		
	Starting method			Inverter		
	Motor output		kW	5.3		
	Case heater		kW	0		
	Lubricant			FVC68D (2.3liter)		
External finish				Galvanized Steel Sheet Munsell No. 3Y 7.8/1.1		
External dimension HxWxD			mm	1,338×1,050×330(+40)		
			in.	52-11/16 × 41-11/32 × 13(+1-9/16)		
Protection devices	High pressure protection			High pressure Switch		
	Inverter circuit (COMP./FAN)			Overcurrent detection, Overheat detection(Heat sink thermistor)		
	Compressor			Compressor thermistor, Over current detection		
	Fan motor			Overheating, Voltage protection		
Refrigerant	Type × original charge			R410A ×7.3 kg (17 lbs)		
	Control			Linear Expansion Valve		
Net weight			kg (lbs)	141 (311)		
Heat exchanger				Cross Fin and Copper tube		
HIC circuit (HIC: Heat Inter-Changer)				HIC circuit		
Defrosting method				Reversed refrigerant circuit		
Drawing	External			RK01B689		
	Wiring			BH79N058		
Standard attachment	Document			Installation Manual		
	Accessory			Grounded lead wire ×1		
Optional parts				Joint: CMY-Y62-G-E Header: CMY-Y64/68-G-E Branch box: PAC-MK31/33/51/53BC(B)		
Remarks				1. Nominal conditions *1, *2 are subject to ISO 15042. 2. Due to continuing improvement, above specifications may be subject to change without notice.		
<div>Note:<div>*1 Nominal cooling conditions</div><div>*2 Nominal heating conditions</div><div>Indoor : 27°C D.B./19°C W.B. [81°F D.B./66°F W.B.]20°C D.B. [68°F D.B.]</div><div>Outdoor : 35°C D.B. [95°F D.B.]7°C DB/6°C W.B. [45°F D.B./43°F W.B.]</div><div>Pipe length : 7.5 m [24-9/16 ft]7.5 m [24-9/16 ft]</div><div>Level difference : 0 m [0 ft]0 m [0 ft]</div></div>						Unit converter
<div>*3 10 to 52°C D.B. [50 to 126°F D.B.], when connecting following models: PKFY-P15/20/25VBM, PFFY-P20/25/32VLE(R)M, PFFY-P20/25/32VKM, PEFY-P40/63VMA3-E; and M series, S series, and P series type indoor unit.</div> <div>*4 -15 to 52°C D.B. [5 to 126°F D.B.], when using an optional air protect guide [PAC-SH95AG-E]. However, this condition does not apply to the indoor unit listed in *3.</div> <div>*5 Liquid pipe diameter: 12.7 mm, in case of further piping length is longer than 60 m.</div> <div>*6 At least two indoor unit must be connected when using branch box.</div>						kcal/h = kW × 860 BTU/h = kW × 3,412 cfm = m3/min × 35.31 lbs = kg/0.4536
Above specification data is subject to rounding variation.						

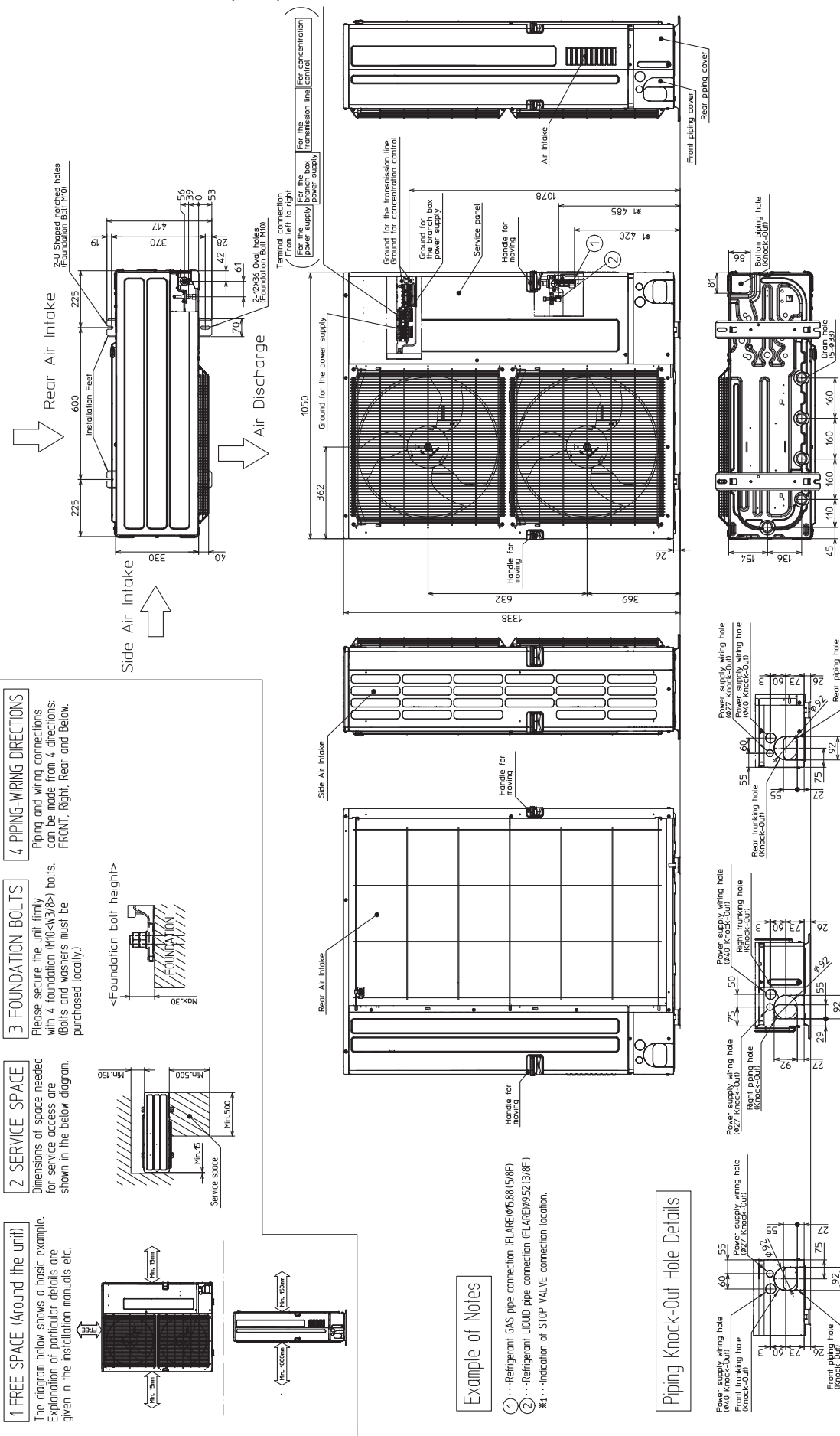
Unit: mm

PUMY-SP-VKM, YKM/PUMY-P-VKM4, YKM(E)4, YKM2



PUMY-P112, 125, 140VKM4(-BS)

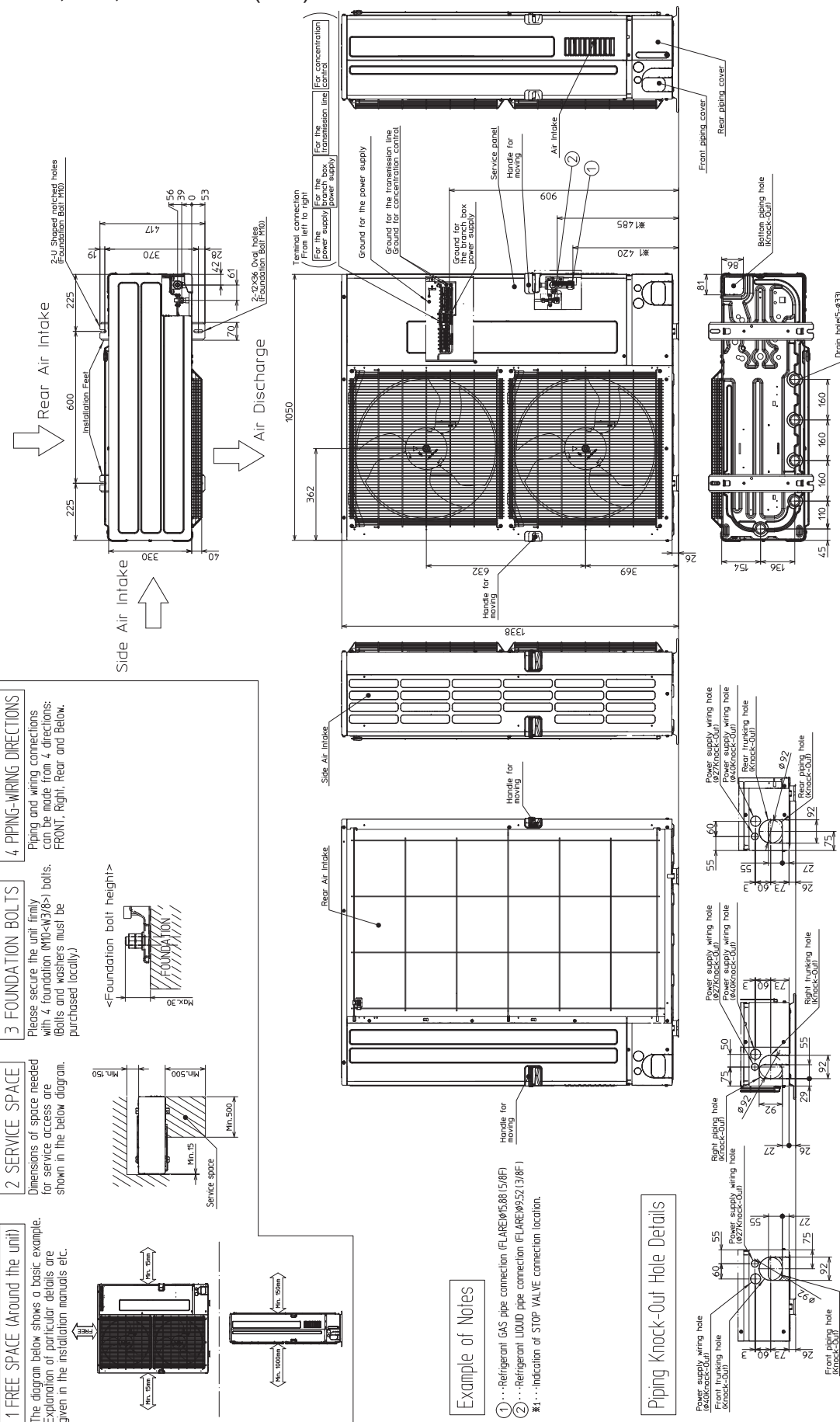
Unit: mm



PUMY-SP-VKM, YKM/PUMY-P-VKM4, YKM(E)4, YKM2

Unit: mm

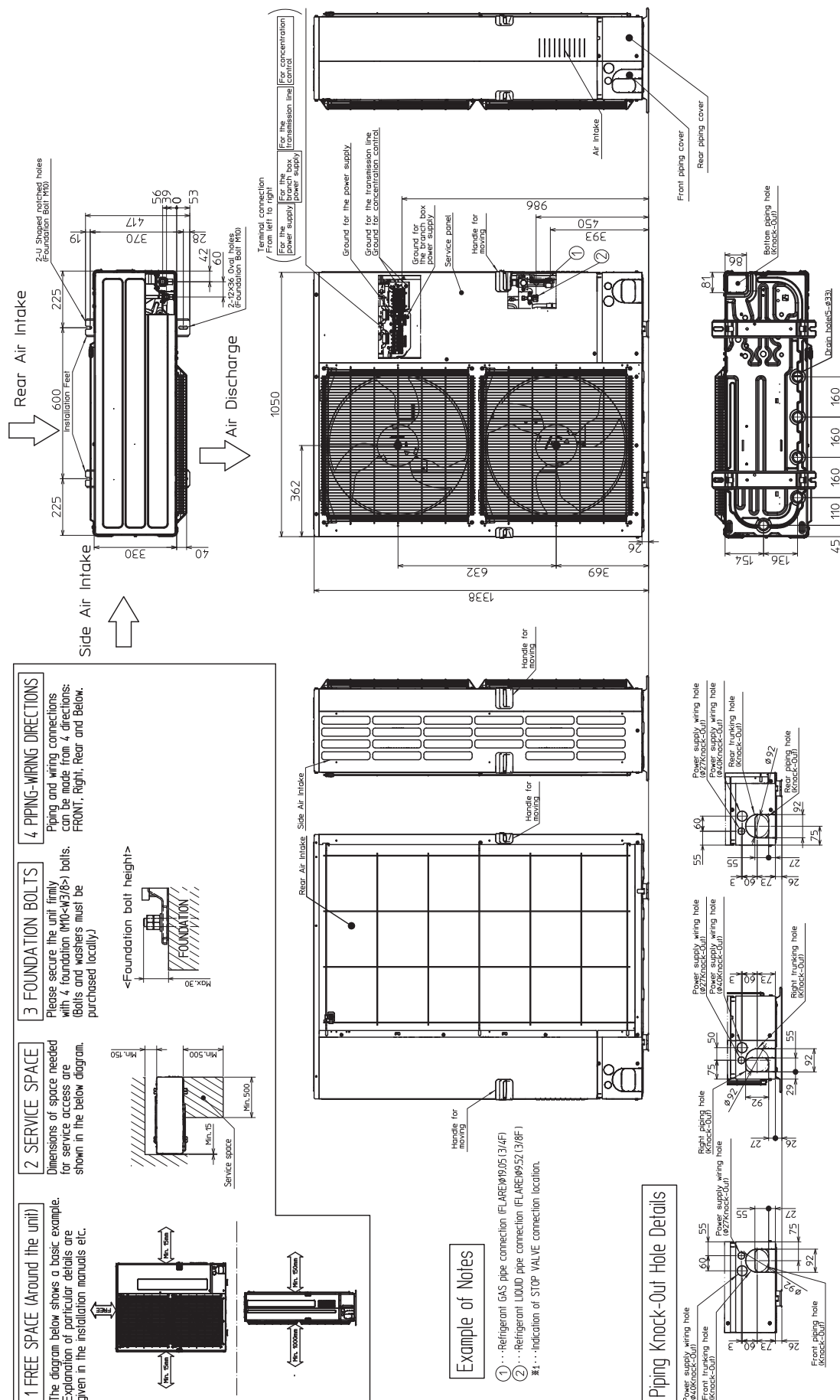
PUMY-SP-VKM, YKM/PUMY-P-VKM4, YKM(E)4, YKM2



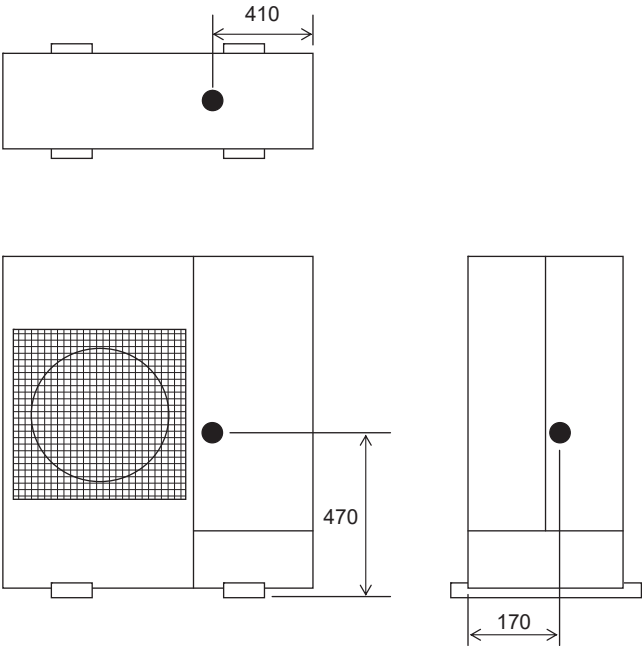
PUMY-P200YKM2(-BS)

Unit: mm

PUMY-SP-VKM, YKM/PUMY-P-VKM4, YKM(E)4, YKM2

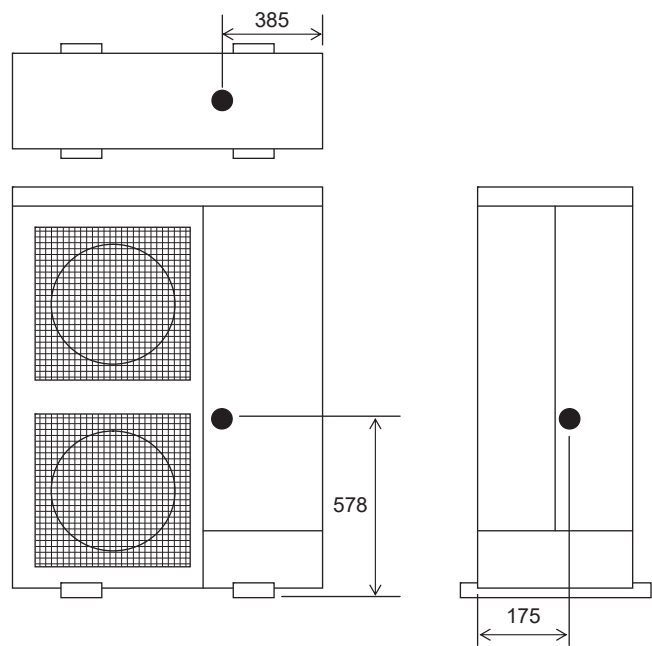


PUMY-SP112, 125, 140VKM(-BS)
PUMY-SP112, 125, 140YKM(-BS)



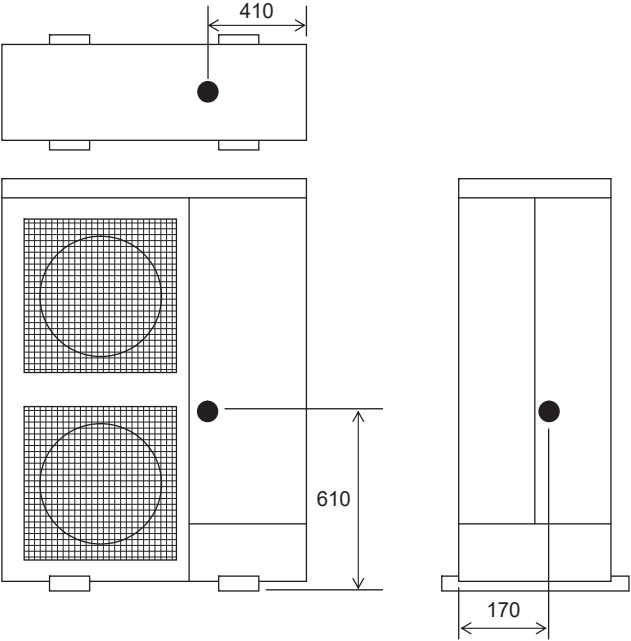
PUMY-SP-VKM, YKM/PUMY-P-VKM4, YKM(E)4, YKM2

PUMY-P112, 125, 140VKM4(-BS)
PUMY-P112, 125, 140YKM4(-BS)
PUMY-P112, 125, 140YKME4(-BS)



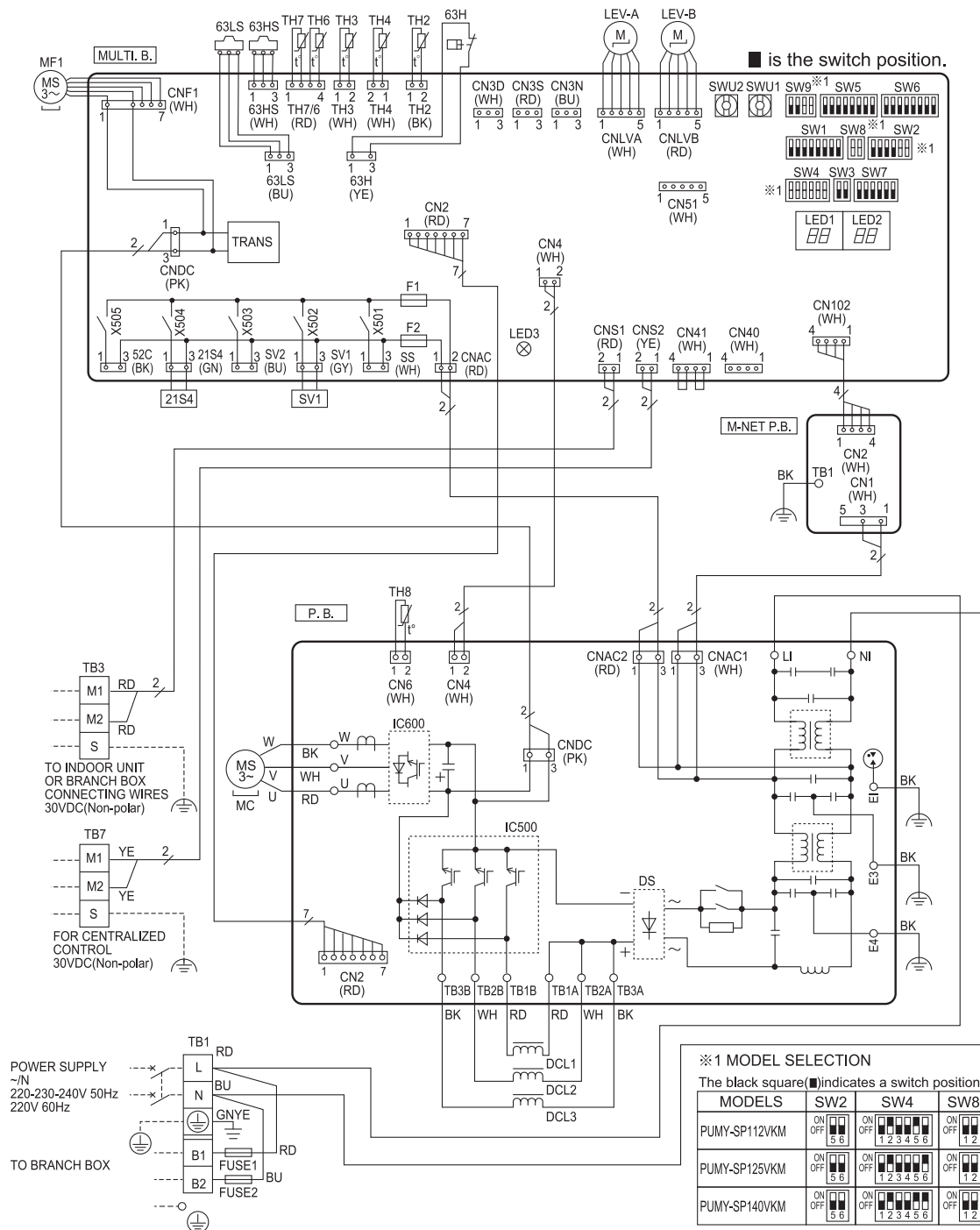
PUMY-SP-VKM, YKM/PUMY-P-VKM4, YKM(E)4, YKM2

PUMY-P200YKM2(-BS)



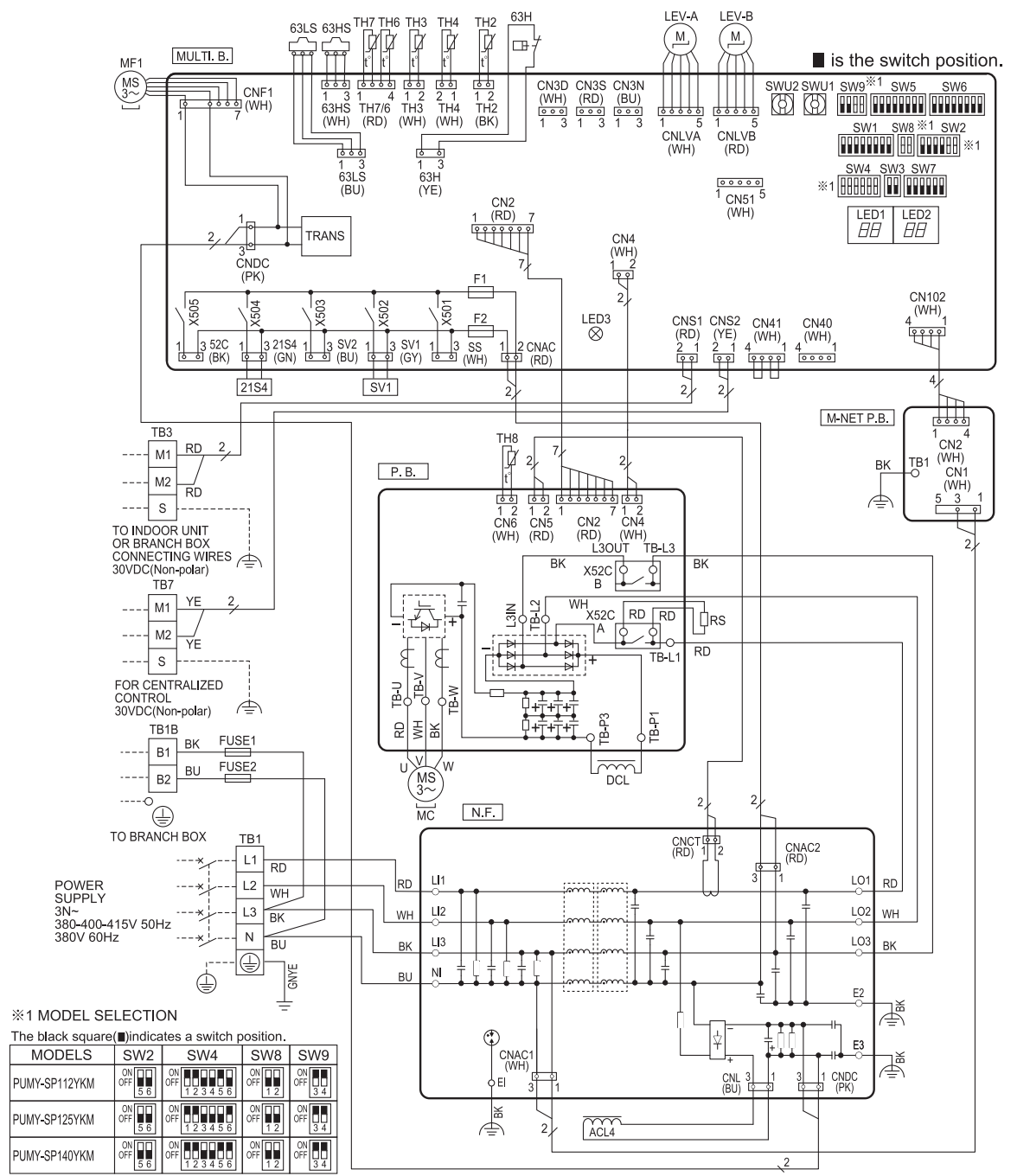
PUMY-SP-VKM, YKM/PUMY-P-VKM4, YKM(E)4, YKM2

PUMY-SP112, 125, 140VKM(-BS)



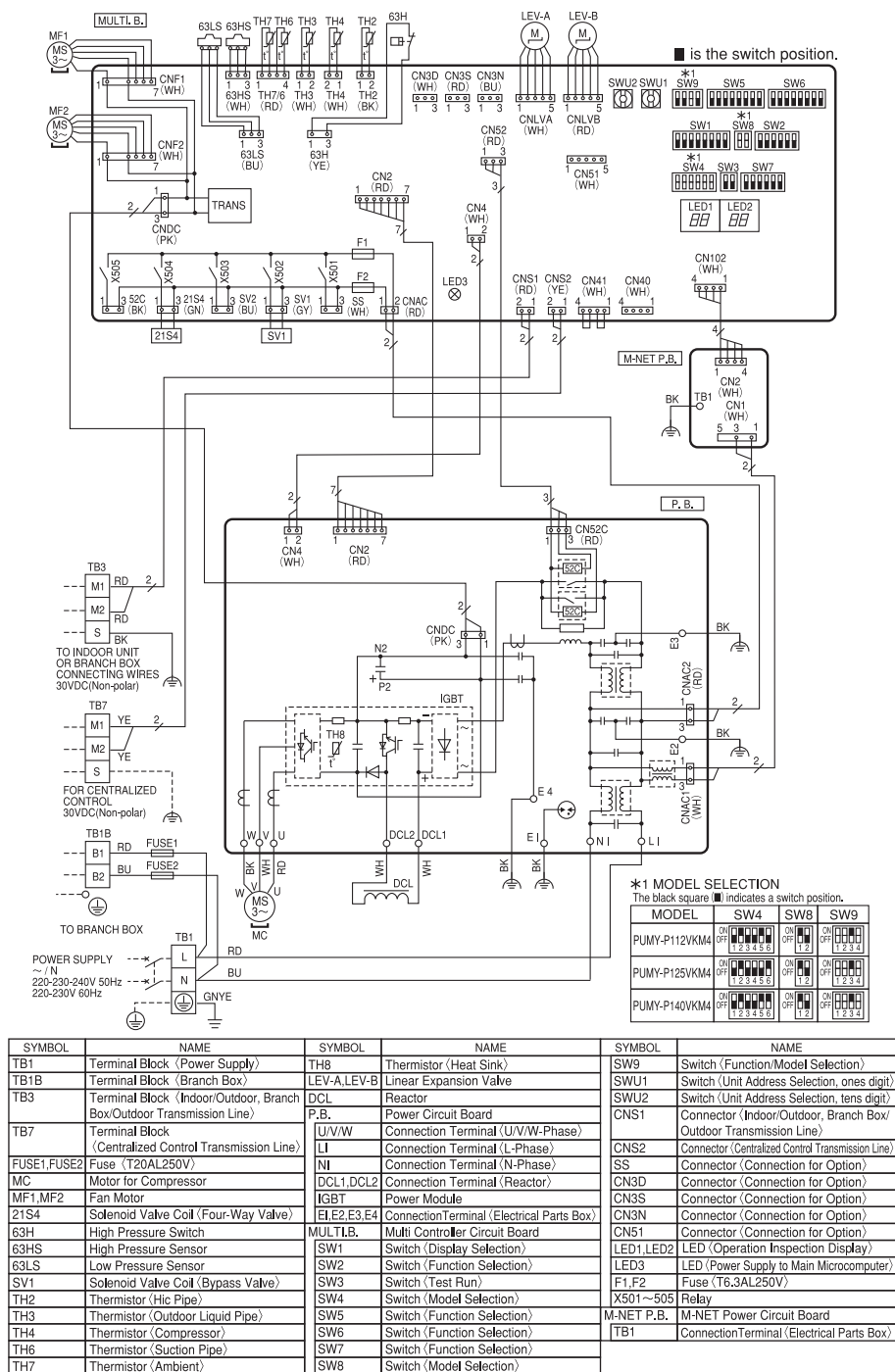
SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block <Power Supply/Branch Box>	TH8	Thermistor<Heat Sink>	SW8	Switch<Model Selection>
TB3	Terminal Block <Indoor/Outdoor, Branch Box/Outdoor Transmission Line>	LEV-A, LEV-B	Linear Expansion Valve	SW9	Switch<Function Selection>
TB7	Terminal Block <Centralized Control Transmission Line>	DCL1, DCL2, DCL3	Reactor	SWU1	Switch<Unit Address Selection, ones digit>
FUSE1, FUSE2	Fuse <T20AL250V>	P.B.	Power Circuit Board	SWU2	Switch<Unit Address Selection, tens digit>
MC	Motor for Compressor	U/V/W	Connection Terminal<U/V/W-Phase>	CNS1	Connector<Indoor/Outdoor, Branch Box/ Outdoor Transmission Line>
MF1	Fan Motor	LI	Connection Terminal<L-Phase>	CNS2	Connector<Centralized Control Transmission Line>
63H	High Pressure Switch	NI	Connection Terminal<N-Phase>	SS	Connector<Connection for Option>
63HS	High Pressure Sensor	TB1A, TB2A, TB3A, TB1B, TB2B, TB3B	Connection Terminal<Reactor>	CN3D	Connector<Connection for Option>
63LS	Low Pressure Sensor	EI, E3, E4	Connection Terminal<Electrical Parts Box>	CN3S	Connector<Connection for Option>
SV1	Solenoid Valve Coil<Bypass Valve>	MULTI. B.	Multi Controller Circuit Board	CN3N	Connector<Connection for Option>
21S4	Solenoid Valve Coil<4-Way Valve>	SW1	Switch<Display Selection>	CN51	Connector<Connection for Option>
TH2	Thermistor<Hic Pipe>	SW2	Switch<Function Selection>	LED1, LED2	LED<Operation Inspection Display>
TH3	Thermistor<Outdoor Liquid Pipe>	SW3	Switch<Test Run>	LED3	LED<Power Supply to Main Microcomputer>
TH4	Thermistor<Compressor>	SW4	Switch<Model Selection>	F1, F2	Fuse<T6.3AL250V>
TH6	Thermistor<Suction Pipe>	SW5	Switch<Function Selection>	X501~505	Relay
TH7	Thermistor<Ambient>	SW6	Switch<Function Selection>	M-NET P.B.	M-NET Power Circuit Board
		SW7	Switch<Function Selection>	TB1	Connection Terminal<Electrical Parts Box>

PUMY-SP112, 125, 140YKM(-BS)



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block<Power Supply>	RS	Rush Current Protect Resistor	SW7	Switch<Function Selection>
TB1B	Terminal Block<Branch Box>	LEV-A, LEV-B	Linear Expansion Valve	SW8	Switch<Model Selection>
TB3	Terminal Block<Indoor/Outdoor, Branch Box/Outdoor Transmission Line>	ACL4	Reactor	SW9	Switch<Function Selection>
TB7	Terminal Block<Centralized Control Transmission Line>	DCL	Reactor	SWU1	Switch<Unit Address Selection, ones digit>
FUSE1,FUSE2	Fuse<T20AL250V>	P.B.	Power Circuit Board	SWU2	Switch<Unit Address Selection, tens digit>
MC	Motor for Compressor	TB-U/V/W	Connection Terminal<U/V/W-Phase>	CNS1	Connector<Indoor/Outdoor, Branch Box/Outdoor Transmission Line>
MF1	Fan Motor	TB-L1/L2/L3	Connection Terminal<L1/L2/L3-Power Supply>	CNS2	Connector<Centralized Control Transmission Line>
63H	High Pressure Switch	TB-P1/P3	Connection Terminal	SS	Connector<Connection for Option>
63HS	High Pressure Sensor	X52CA/B	52C Relay	CN3D	Connector<Connection for Option>
63LS	Low Pressure Sensor	N.F.	Noise Filter Circuit Board	CN3S	Connector<Connection for Option>
SV1	Solenoid Valve Coil<Bypass Valve>	L01/L02/L03	Connection Terminal<L1/L2/L3-Power Supply>	CN3N	Connector<Connection for Option>
21S4	Solenoid Valve Coil<4-Way Valve>	LH1/LI2/LI3/NI	Connection Terminal<L1/L2/L3-Power Supply>	CN51	Connector<Connection for Option>
TH2	Thermistor<Hic Pipe>	EI, E2, E3	Connection Terminal<Electrical Parts Box>	LED1,LED2	LED<Operation Inspection Display>
TH3	Thermistor<Outdoor Liquid Pipe>	MULTI.B.	Multi Controller Circuit Board	LED3	LED<Power Supply to Main Microcomputer>
TH4	Thermistor<Compressor>	SW1	Switch<Display Selection>	F1,F2	Fuse<T6.3AL250V>
TH6	Thermistor<Suction Pipe>	SW2	Switch<Function Selection>	X501~505	Relay
TH7	Thermistor<Ambient>	SW3	Switch<Test Run>	M-NET P.B.	M-NET Power Circuit Board
TH8	Thermistor<Heat Sink>	SW4	Switch<Model Selection>	TB1	Connection Terminal<Electrical Parts Box>
		SW5	Switch<Function Selection>		
		SW6	Switch<Function Selection>		

PUMY-P112, 125, 140VKM4(-BS)



Cautions when Servicing

- ⚠ WARNING: When the main supply is turned off, the voltage [340 V] in the main capacitor will drop to 20 V in approx. 2 minutes (input voltage: 230 V). When servicing, make sure that LED1, LED2 on the outdoor multi controller circuit board goes out, and then wait for at least 1 minute.
- Components other than the outdoor circuit boards may be faulty: Check and take corrective action, referring to the service manual. Do not replace the outdoor circuit boards without checking.

NOTES:

1. Refer to the wiring diagrams of the indoor units for details on wiring of each indoor unit.

2. Self-diagnosis function

The indoor and outdoor units can be diagnosed automatically using the self-diagnosis switch (SW1) and LED indication (LED1, LED2) found on the outdoor multi controller circuit board.

LED indication: Set all contacts of SW1 to OFF.

- During normal operation

The LED indicates the drive state of outdoor unit.

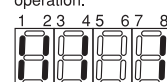
Bit	1	2	3	4	5	6	7	8
Indication	Compressor operated	52C	21S4	SV1	(SV2)	—	—	Always lit

- When fault requiring inspection has occurred

The LED alternately indicates the check code and the address of the unit in which the fault has occurred.

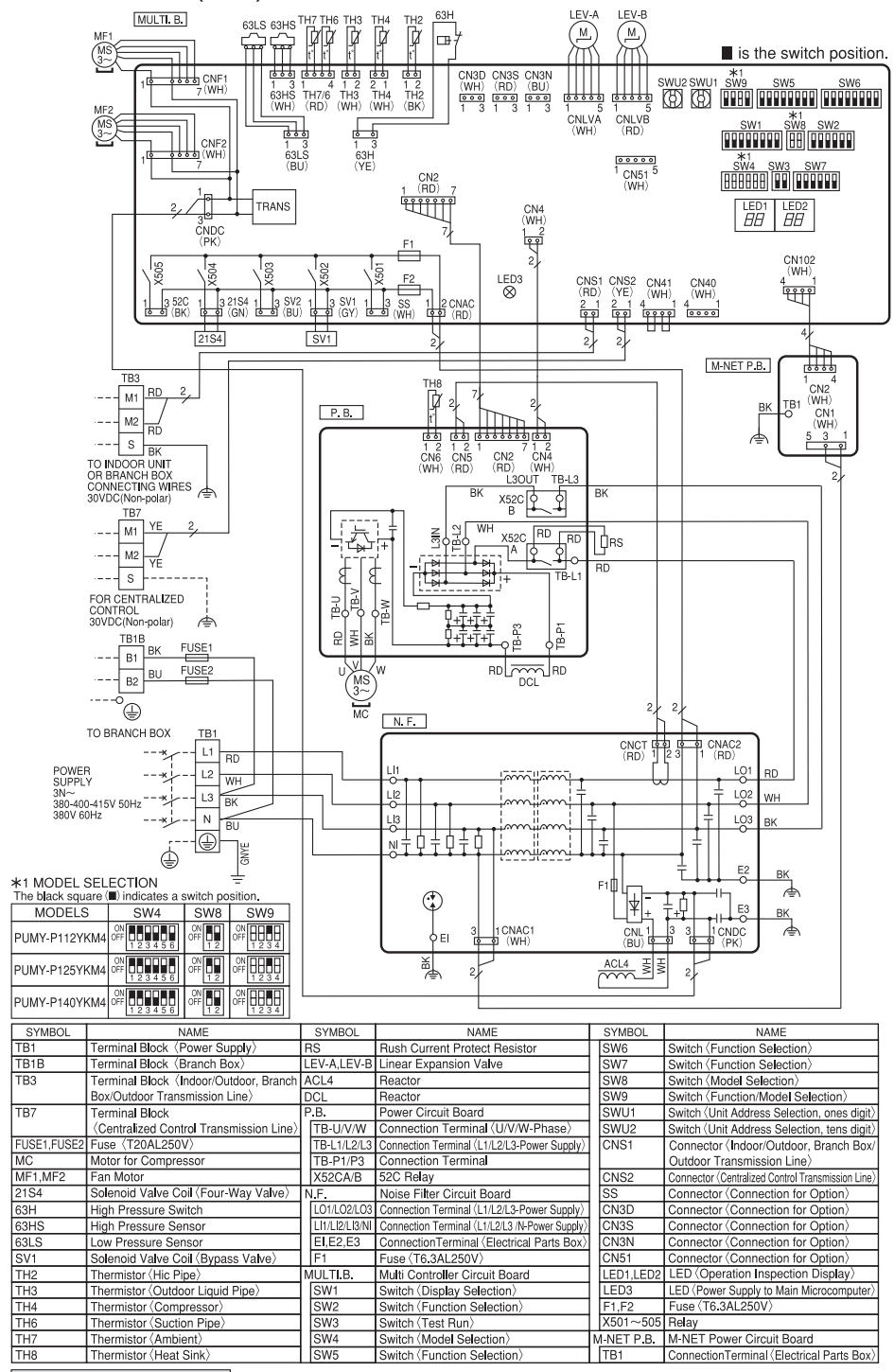
(Example)

When the compressor and SV1 are on during cooling operation.



PUMY-SP-VKM, YKM/PUMY-P-VKM4, YKM(E)4, YKM2

PUMY-P112, 125, 140YKM4(-BS)



Cautions when Servicing

- ⚠ WARNING: When the main supply is turned off, the voltage [570 V] in the main capacitor will drop to 20 V in approx. 5 minutes (input voltage: 400 V). When servicing, make sure that LED1, LED2 on the outdoor multi controller circuit board goes out, and then wait for at least 5 minutes.
- Components other than the outdoor circuit boards may be faulty: Check and take corrective action, referring to the service manual. Do not replace the outdoor circuit boards without checking.

NOTES:

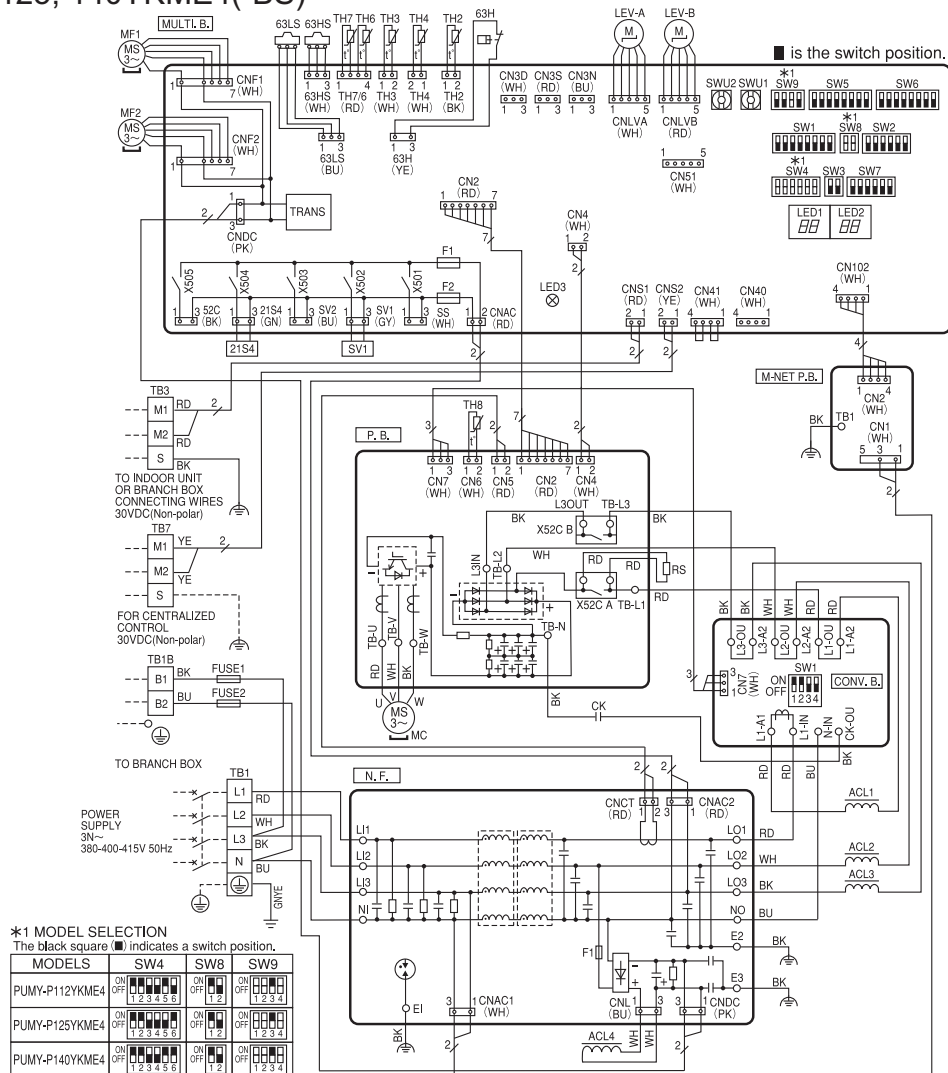
- Refer to the wiring diagrams of the indoor units for details on wiring of each indoor unit.
- Self-diagnosis function
The indoor and outdoor units can be diagnosed automatically using the self-diagnosis switch (SW1) and LED indication (LED1, LED2) found on the outdoor multi controller circuit board.
LED indication : Set all contacts of SW1 to OFF.
- During normal operation
The LED indicates the drive state of outdoor unit.

Bit	1	2	3	4	5	6	7	8
Indication	Compressor operated	52C	21S4	SV1	(SV2)	—	—	Always lit

- When fault requiring inspection has occurred
The LED alternately indicates the check code and the address of the unit in which the fault has occurred.

(Example)
When the compressor and SV1 are on during cooling operation.

PUMY-P112, 125, 140YKME4(-BS)



Cautions when Servicing

- ⚠ WARNING: When the main supply is turned off, the voltage [570 V] in the main capacitor will drop to 20 V in approx. 5 minutes (input voltage: 400 V). When servicing, make sure that LED1, LED2 on the outdoor multi controller circuit board goes out, and then wait for at least 5 minutes.
- Components other than the outdoor circuit boards may be faulty: Check and take corrective action, referring to the service manual. Do not replace the outdoor circuit boards without checking.

NOTES:

1. Refer to the wiring diagrams of the indoor units for details on wiring of each indoor unit.

2. Self-diagnosis function

The indoor and outdoor units can be diagnosed automatically using the self-diagnosis switch (SW1) and LED indication (LED1, LED2) found on the outdoor multi controller circuit board.

LED indication: Set all contacts of SW1 to OFF.

• During normal operation

The LED indicates the drive state of outdoor unit.

Bit	1	2	3	4	5	6	7	8
Indication	Compressor operated	52C	21S4	SV1	(SV2)	—	—	Always lit

• When fault requiring inspection has occurred

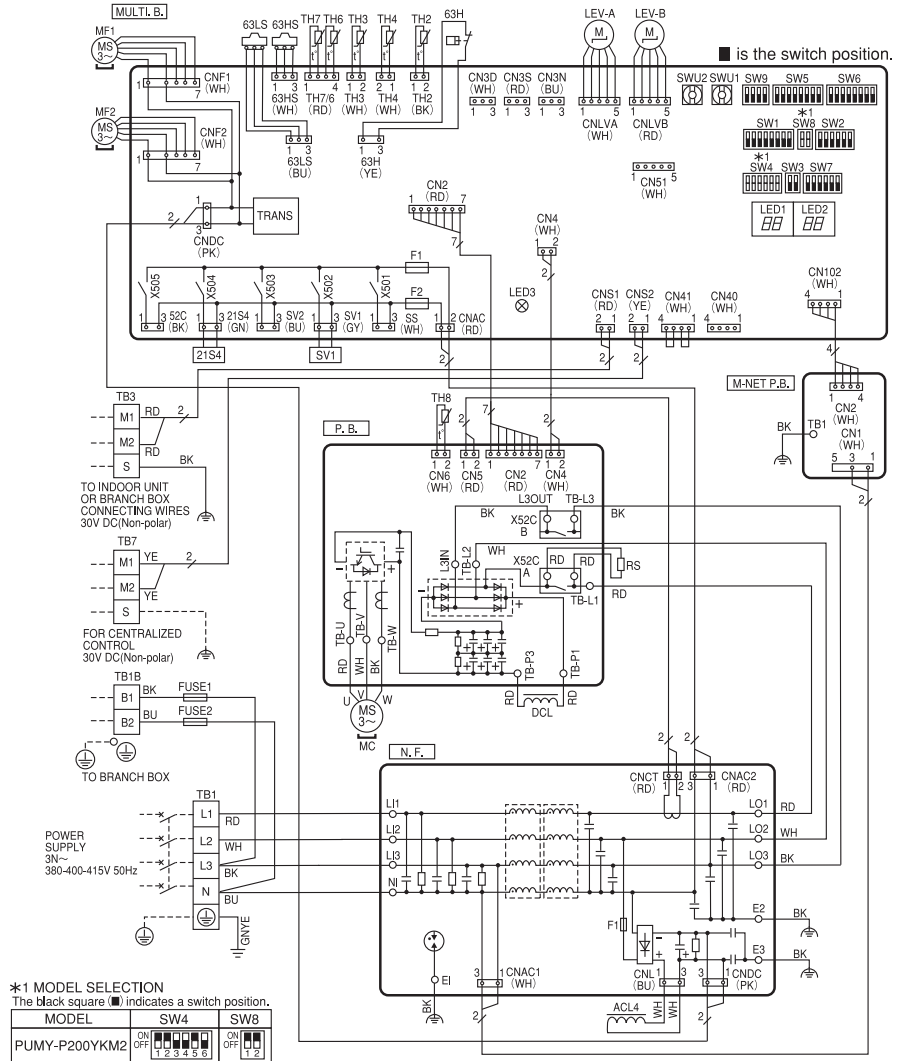
The LED alternately indicates the check code and the address of the unit in which the fault has occurred.

(Example)

When the compressor and SV1 are on during cooling operation.

1	2	3	4	5	6	7	8
8	8	8	8	8	8	8	8

PUMY-P200YKM2(-BS)



SYMBOL	NAME	SYMBOL	NAME	SYMBOL	NAME
TB1	Terminal Block (Power Supply)	RS	Rush Current Protect Resistor	SW6	Switch (Function Selection)
TB1B	Terminal Block (Branch Box)	LEV-A, LEV-B	Linear Expansion Valve	SW7	Switch (Function Selection)
TB3	Terminal Block (Indoor/Outdoor, Branch Box/Outdoor Transmission Line)	ACL4	Reactor	SW8	Switch (Model Selection)
TB7	Terminal Block (Centralized Control Transmission Line)	DCL	Reactor	SW9	Switch (Function Selection)
FUSE1, FUSE2	Fuse (T20AL250V)	P.B.	Power Circuit Board	SWU1	Switch (Unit Address Selection, ones digit)
MC	Motor for Compressor	TB-L1/L2/L3	Connection Terminal (L1/L2/L3-Power Supply)	SWU2	Switch (Unit Address Selection, tens digit)
MF1, MF2	Fan Motor	TB-P1/P3	Connection Terminal	CNS1	Connector (Indoor/Outdoor, Branch Box/Outdoor Transmission Line)
21S4	Solenoid Valve Coil (4-Way Valve)	TB-U/V/W	Connection Terminal (U/V/W-Phase)	CNS2	Connector (Centralized Control Transmission Line)
63H	High Pressure Switch	X52CA/B	S2C Relay	SS	Connector (Connection For Option)
63HS	High Pressure Sensor	N.F.	Noise Filter Circuit Board	CN3D	Connector (Connection For Option)
63LS	Low Pressure Sensor	LO1/LO2/LO3	Connection Terminal (L1/L2/L3-Power Supply)	CN3S	Connector (Connection For Option)
SV1	Solenoid Valve Coil (Bypass Valve)	LI1/LI2/LI3	Connection Terminal (L1/L2/L3-N-Power Supply)	CN3N	Connector (Connection For Option)
TH2	Thermistor (Hic Pipe)	E1E2/E3	Connection Terminal (Electrical Parts Box)	CN51	Connector (Connection For Option)
TH3	Thermistor (Outdoor Liquid Pipe)	F1	Fuse (T6.3AL250V)	LED1, LED2	LED (Operation Inspection Display)
TH4	Thermistor (Compressor)	MULTLB.	Multi Controller Circuit Board	LED3	LED (Power Supply to Main Microcomputer)
TH6	Thermistor (Suction Pipe)	SW1	Switch (Display Selection)	F1, F2	Fuse (T6.3AL250V)
TH7	Thermistor (Ambient)	SW2	Switch (Function Selection)	X501~505	Relay
TH8	Thermistor (Heat Sink)	SW3	Switch (Test Run)		
		SW4	Switch (Model Selection)	M-NET P.B.	M-NET Power Circuit Board
		SW5	Switch (Function Selection)	TB1	Connection Terminal (Electrical Parts Box)

Cautions when Servicing

- ⚠ WARNING: When the main supply is turned off, the voltage [570 V] in the main capacitor will drop to 20 V in approx. 5 minutes (input voltage: 400 V). When servicing, make sure that LED1, LED2 on the outdoor multi controller circuit board goes out, and then wait for at least 5 minutes.
- Components other than the outdoor circuit board may be faulty: Check and take corrective action, referring to the service manual. Do not replace the outdoor circuit boards without checking.

NOTES:

- Refer to the wiring diagrams of the indoor units for details on wiring of each indoor unit.
- Self-diagnosis function
The indoor and outdoor units can be diagnosed automatically using the self-diagnosis switch (SW1) and LED indication (LED1, LED2) found on the outdoor multi controller circuit board.
LED indication : Set all contacts of SW1 to OFF.

- During normal operation
The LED indicates the drive state of the outdoor unit.

Bit	1	2	3	4	5	6	7	8
Indication	Compressor operated	52C	21S4	SV1	(SV2)	—	—	Always lit

- When fault requiring inspection has occurred
The LED alternately indicates the check code and the address of the unit in which the fault has occurred.

(Example)
When the compressor and SV1 are on during cooling operation.

