

Project No.
Air Conditioning Engineers Ltd
G.O.S.H. Barclay House

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John Mcilroy Kooltech Ltd

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[illegible]

Control System Configuration

Category1	Category2	Category3	Category4	category5	Category6	
v					PAR-33MAA	
v					PAR-33MAA	
v					PAR-33MAA	
v					PAR-33MAA	
v					PAR-33MAA	
v					PAR-33MAA	
v					PAR-33MAA	
v					PAR-33MAA	

All Floors

>System Configuration

> Outdoor unit / Indoor unit / Controller

Refrigerant system	Outdoor unit			Room	Indoor unit			Controller		Group name
	Ref.	Model name			Ref.	Model name	Add.	Model name	Add.	
		Add.								
L2 Sys1 West	AC.02.01	PURY-P550YNW-A		FCU.02.01		PEFY-P63VMA-E2	001	PAR-33MAA		1
		51		FCU.02.02		PEFY-P40VMA-E2	002	PAR-33MAA		2
	BC.02.01	CMB-P10T2V-IA		FCU.02.03		PEFY-P63VMA-E2	003	PAR-33MAA		3
		52		FCU.02.04		PEFY-P25VMA-E2	004	PAR-33MAA		4
				FCU.02.05		PEFY-P20VMA-E2	005	PAR-33MAA		5
				FCU.02.06		PEFY-P20VMA-E2	006	PAR-33MAA		6
				FCU.02.07		PEFY-P20VMA-E2	007	PAR-33MAA		7
				FCU.02.08		PEFY-P25VMA-E2	008	PAR-33MAA		8
				FCU.02.09		PEFY-P20VMA-E2	009	PAR-33MAA		9
				FCU.02.10		PEFY-P25VMA-E2	010	PAR-33MAA		10
				FCU.02.11		PEFY-P20VMA-E2	011	PAR-33MAA		11
				FCU.02.12		PEFY-P20VMA-E2	012	PAR-33MAA		12
L2 Sys2 East	AC.02.02	PURY-P550YNW-A		FCU.02.13		PEFY-P25VMA-E2	013	PAR-33MAA		13
		63		FCU.02.14		PEFY-P20VMA-E2	014	PAR-33MAA		14
	BC.02.02	CMB-P10T2V-IA		FCU.02.15		PEFY-P20VMA-E2	015	PAR-33MAA		15
		64		FCU.02.16		PEFY-P40VMA-E2	016	PAR-33MAA		16
				FCU.02.17		PEFY-P50VMA-E2	017	PAR-33MAA		17
				FCU.02.18		PEFY-P63VMA-E2	018	PAR-33MAA		18
				FCU.02.19		PEFY-P63VMA-E2	019	PAR-33MAA		19
				FCU.02.20		PEFY-P32VMA-E2	020	PAR-33MAA		20
				FCU.02.21		PEFY-P63VMA-E2	021	PAR-33MAA		21
				FCU.02.22		PEFY-P63VMA-E2	022	PAR-33MAA		22

All Floors

>System Configuration

> Outdoor unit / Indoor unit / Controller

Refrigerant system	Outdoor unit			Room	Indoor unit			Controller		Group name
	Ref.	Model name			Ref.	Model name	Add.	Model name	Add.	
		Add.								
L2 Sys2 East				FCU.02.23		PEFY-P20VMA-E2	023	PAR-33MAA		23
L3 Sys 1 West	AC.03.01	PURY-P550YNW-A		FCU.03.10		PEFY-P25VMA-E2	024	PAR-33MAA		34
		74		FCU.03.12		PEFY-P50VMA-E2	025	PAR-33MAA		35
	BC.03.01	CMB-P108V-IA		FCU.03.13		PEFY-P50VMA-E2	026	PAR-33MAA		36
		75		FCU.03.14		PEFY-P50VMA-E2	027	PAR-33MAA		37
				FCU.03.15		PEFY-P50VMA-E2	028	PAR-33MAA		38
				FCU.03.16		PEFY-P50VMA-E2	029	PAR-33MAA		39
L3 Sys 2 East & North	AC.03.02	PURY-P550YNW-A		FCU.03.05		PEFY-P100VMA-E2	030	PAR-33MAA		28
		80		FCU.03.06		PEFY-P40VMA-E2	031	PAR-33MAA		29
	BC.03.02.M	CMB-P108V-IA		FCU.03.07		PEFY-P40VMA-E2	032	PAR-33MAA		30
		81		FCU.03.08		PEFY-P40VMA-E2	033	PAR-33MAA		31
	BC.03.02.S	CMB-P104V-KB		FCU.03.09		PEFY-P40VMA-E2	034	PAR-33MAA		32
		86		FCU.03.11		PEFY-P50VMA-E2	035	PAR-33MAA		33
				FCU.03.01		PEFY-P40VMA-E2	036	PAR-33MAA		24
				FCU.03.02		PEFY-P32VMA-E2	037	PAR-33MAA		25
				FCU.03.03		PEFY-P32VMA-E2	038	PAR-33MAA		26
				FCU.03.04		PEFY-P25VMA-E2	039	PAR-33MAA		27

All Floors

> Product information

>Controller

Model name	Product image*1	Qty	Description
AE-200E		1	Central controller
PAR-33MAA		39	MA remote controller

>PI/AI/DIDO controller

Model name	Product image*1	Qty	Description

>Air conditioning unit specifications

1. Outdoor unit

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Power input (kW)		COP (kW/kW)*2	
					Rated	Corrected	Rated	Corrected	Rated	Corrected
L2 Sys1 West	PURY- P550YNW-A		1	Cooling	63.00	63.00	16.03	6.33	3.93	6.37
				Heating	69.00	69.00	17.91	8.46	3.85	5.38
				Conditions					Dimension(mm)	
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	Water inlet(deg C)	H X W X D	
				Cooling	35.0	-	-	-	1,858 (1,798 without legs) x 1,750 x 740	
				Heating	7.0	6.0	87	-		
										Net weight (kg)

2. BC controller

Sys.	Model name	Product image*1	Qty		Power input (kW)	Dimension(mm)	Net weight
					Rated	H X W X D	(kg)
L2 Sys1 West	CMB-P1012V-JA		1	Cooling	0.100(220V)/0.211(230V)/0.236(240V)	246 x 1,135 x 639	56
				Heating	0.090(220V)/0.102(230V)/0.114(240V)		

*1 The product image refers to a representative model. The actual product may differ from the image shown.

*2 Ability using in the COP calculation is corrected by capacity of connected indoor unit.

All Floors

> Product information

3. Indoor unit

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Sensible capacity(kW)		Power input (kW)	Current (A)	Air flow rate	External static pressure
L2 Sys1 West	PEFY-P63VMA-E2		2		Rated	Corrected	Rated	Corrected	Rated		(m3/min)	
				Cooling	7.10	7.10	5.50	5.46	0.07	0.41(220V/5.43/230V/5.43/240V)	13.5 - 16.0 - 19.0	*3
				Heating	8.00	8.00			0.07	0.41(220V/5.43/230V/5.43/240V)		
					Conditions			Dimension(mm)		Net weight		
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)		
				Cooling	27.0	19.0	47	250 x 1,100 x 732		31		
				Heating	20.0	-	-					

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Sensible capacity(kW)		Power input (kW)	Current (A)	Air flow rate	External static pressure	
L2 Sys1 West	PEFY-P40VMA-E2		1		Rated	Corrected	Rated	Corrected	Rated		(m3/min)	10.0 - 12.0 - 14.0	*3
				Cooling	4.50	4.50	3.60	3.60	0.06	0.41(220V/5.43/230V/5.43/240V)			
				Heating	5.00	5.00			0.06	0.41(220V/5.43/230V/5.43/240V)			
					Conditions			Dimension(mm)		Net weight			
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)			
				Cooling	27.0	19.0	47	250 x 900 x 732		26			
				Heating	20.0	-	-						

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Sensible capacity(kW)		Power input (kW)	Current (A)	Air flow rate	External static pressure
L2 Sys1 West	PEFY-P25VMA-E2		3		Rated	Corrected	Rated	Corrected	Rated		(m3/min)	
				Cooling	2.80	2.80	2.20	2.20	0.04	0.31(220V/5.43/230V/5.43/240V)	6.0 - 7.5 - 8.5	*3
				Heating	3.20	3.20			0.04	0.31(220V/5.43/230V/5.43/240V)		
					Conditions			Dimension(mm)		Net weight		
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)		
				Cooling	27.0	19.0	47	250 x 700 x 732	22			
				Heating	20.0	-	-					

*1 The product image refers to a representative model. The actual product may differ from the image shown.

*3 Please refer to the specification sheet in the "Product Features" section at the end.

All Floors

> Product information

3. Indoor unit

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Sensible capacity(kW)		Power input (kW)	Current (A)	Air flow rate (m3/min)	External static pressure
L2 Sys1 West	PEFY-P20VMA-E2		6		Rated	Corrected	Rated	Corrected	Rated		6.0 - 7.5 - 8.5	*3
				Cooling	2.20	2.20	2.00	1.99	0.04	0.31(220V/5.3A/230V/5.3A/240V)		
				Heating	2.50	2.50			0.04	0.37(220V/5.3A/230V/5.3A/240V)		
					Conditions			Dimension(mm)		Net weight		
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)		
				Cooling	27.0	19.0	47	250 x 700 x 732		22		
				Heating	20.0	-	-					

4. Branch/Header/Twinning kit

Sys.	Model name	Product image*1	Qty	Description
-	-		-	-

>Air conditioning unit specifications

1. Outdoor unit

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Power input (kW)		COP (kW/kW)*2		
L2 Sys2 East	PURY-P550YNW-A		1		Rated	Corrected	Rated	Corrected	Rated	Corrected	
				Cooling	63.00	63.00	16.03	10.05	3.93	5.12	
				Heating	69.00	69.00	17.91	12.77	3.85	4.54	
					Conditions				Dimension(mm)		Net weight
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	Water inlet(deg C)	H X W X D		(kg)
				Cooling	35.0	-	-	-	1,858 (1,798 without legs) x 1,750 x 740		337
				Heating	7.0	6.0	87	-			

*1 The product image refers to a representative model. The actual product may differ from the image shown.

*2 Ability using in the COP calculation is corrected by capacity of connected indoor unit.

*3 Please refer to the specification sheet in the "Product Features" section at the end.

All Floors

> Product information

2. BC controller

Sys.	Model name	Product image*1	Qty		Power input (kW)	Dimension(mm)	Net weight
L2 Sys2 East	CMB-P1012V-JA		1		Rated	H X W X D	(kg)
				Cooling	0.166(220V)/0.211(230V)/0.236(240V)	246 x 1,135 x 639	56
				Heating	0.090(220V)/0.102(230V)/0.114(240V)		

3. Indoor unit

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Sensible capacity(kW)		Power input (kW)	Current (A)	Air flow rate (m3/min)	External static pressure
L2 Sys2 East	PEFY-P25VMA-E2		1		Rated	Corrected	Rated	Corrected	Rated			
				Cooling	2.80	2.80	2.20	2.20	0.04	6.31(220V)/6.35(230V)/6.39(240V)	6.0 - 7.5 - 8.5	*3
				Heating	3.20	3.20			0.04	6.31(220V)/6.35(230V)/6.39(240V)		
					Conditions			Dimension(mm)		Net weight		
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)		
				Cooling	27.0	19.0	47	250 x 700 x 732		22		
				Heating	20.0	-	-					

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Sensible capacity(kW)		Power input (kW)	Current (A)	Air flow rate (m3/min)	External static pressure
L2 Sys2 East	PEFY-P20VMA-E2		3		Rated	Corrected	Rated	Corrected	Rated			
				Cooling	2.20	2.20	2.00	1.99	0.04	6.31(220V)/6.35(230V)/6.39(240V)	6.0 - 7.5 - 8.5	*3
				Heating	2.50	2.50			0.04	6.31(220V)/6.35(230V)/6.39(240V)		
					Conditions			Dimension(mm)		Net weight		
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)		
				Cooling	27.0	19.0	47	250 x 700 x 732		22		
				Heating	20.0	-	-					

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*3 Please refer to the specification sheet in the "Product Features" section at the end.

All Floors

> Product information

3. Indoor unit

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Sensible capacity(kW)		Power input (kW)	Current (A)	Air flow rate (m3/min)	External static pressure
L2 Sys2 East	PEFY-P40VMA-E2		1		Rated	Corrected	Rated	Corrected	Rated			
				Cooling	4.50	4.50	3.60	3.60	0.06	6.41(220V/5.43(230V/5.43(240V)	10.0 - 12.0 - 14.0	*3
				Heating	5.00	5.00			0.06	6.41(220V/5.43(230V/5.43(240V)		
					Conditions			Dimension(mm)		Net weight		
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)		
				Cooling	27.0	19.0	47	250 x 900 x 732		26		
				Heating	20.0	-	-					

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Sensible capacity(kW)		Power input (kW)	Current (A)	Air flow rate (m3/min)	External static pressure
L2 Sys2 East	PEFY-P50VMA-E2		1		Rated	Corrected	Rated	Corrected	Rated			
				Cooling	5.60	5.60	4.40	4.43	0.09	6.51(220V/5.53(230V/5.53(240V)	12.0 - 14.5 - 17.0	*3
				Heating	6.30	6.30			0.08	6.51(220V/5.53(230V/5.53(240V)		
					Conditions			Dimension(mm)		Net weight		
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)		
				Cooling	27.0	19.0	47	250 x 900 x 732		26		
				Heating	20.0	-	-					

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Sensible capacity(kW)		Power input (kW)	Current (A)	Air flow rate (m3/min)	External static pressure
L2 Sys2 East	PEFY-P63VMA-E2		4		Rated	Corrected	Rated	Corrected	Rated			
				Cooling	7.10	7.10	5.50	5.46	0.07	6.41(220V/5.43(230V/5.43(240V)	13.5 - 16.0 - 19.0	*3
				Heating	8.00	8.00			0.07	6.41(220V/5.43(230V/5.43(240V)		
					Conditions			Dimension(mm)		Net weight		
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)		
				Cooling	27.0	19.0	47	250 x 1,100 x 732		31		
				Heating	20.0	-	-					

*1 The product image refers to a representative model. The actual product may differ from the image shown.

*3 Please refer to the specification sheet in the "Product Features" section at the end.

All Floors

> Product information

3. Indoor unit

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Sensible capacity(kW)		Power input (kW)	Current (A)	Air flow rate	External static pressure
L2 Sys2 East	PEFY-P32VMA-E2		1		Rated	Corrected	Rated	Corrected	Rated		(m3/min)	
				Cooling	3.60	3.60	2.60	2.64	0.05	0.36(220V)/0.35(230V)/0.35(240V)	7.5 - 9.0 - 10.5	*3
				Heating	4.00	4.00			0.04	0.36(220V)/0.35(230V)/0.35(240V)		
					Conditions			Dimension(mm)		Net weight		
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)		
				Cooling	27.0	19.0	47	250 x 700 x 732	22			
				Heating	20.0	-	-					

4. Branch/Header/Twinning kit

Sys.	Model name	Product image*1	Qty	Description
-	-		-	-

>Air conditioning unit specifications

1. Outdoor unit

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Power input (kW)		COP (kW/kW)*2		
L3 Sys 1 West	PURY-P550YNW-A		1		Rated	Corrected	Rated	Corrected	Rated	Corrected	
				Cooling	63.00	63.00	16.03	4.86	3.93	6.33	
				Heating	69.00	69.00	17.91	5.98	3.85	5.80	
					Conditions				Dimension(mm)		Net weight
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	Water inlet(deg C)	H X W X D		(kg)
				Cooling	35.0	-	-	-	1,858 (1,798 without legs) x 1,750 x 740		337
				Heating	7.0	6.0	87	-			

*1 The product image refers to a representative model. The actual product may differ from the image shown.

*2 Ability using in the COP calculation is corrected by capacity of connected indoor unit.

*3 Please refer to the specification sheet in the "Product Features" section at the end.

All Floors

> Product information

2. BC controller

Sys.	Model name	Product image*1	Qty		Power input (kW)	Dimension(mm)	Net weight
					Rated	H X W X D	(kg)
L3 Sys 1 West	CMB-P108V-JA		1	Cooling	0.127(220V)/0.144(230V)/0.161(240V)	246 x 911 x 639	45
				Heating	0.330(220V)/0.366(230V)/0.402(240V)		

3. Indoor unit

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Sensible capacity(kW)		Power input (kW)	Current (A)	Air flow rate (m3/min)	External static pressure
					Rated	Corrected	Rated	Corrected	Rated			
L3 Sys 1 West	PEFY-P25VMA-E2		1	Cooling	2.80	2.80	2.20	2.20	0.04	6.31(220V)/6.55(230V)/6.80(240V)	6.0 - 7.5 - 8.5	*3
				Heating	3.20	3.20			0.04	6.31(220V)/6.55(230V)/6.80(240V)		
					Conditions			Dimension(mm)		Net weight		
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)		
				Cooling	27.0	19.0	47	250 x 700 x 732		22		
				Heating	20.0	-	-					

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Sensible capacity(kW)		Power input (kW)	Current (A)	Air flow rate (m3/min)	External static pressure
					Rated	Corrected	Rated	Corrected	Rated			
L3 Sys 1 West	PEFY-P50VMA-E2		5	Cooling	5.60	5.60	4.40	4.43	0.09	6.31(220V)/6.55(230V)/6.80(240V)	12.0 - 14.5 - 17.0	*3
				Heating	6.30	6.30			0.08	6.31(220V)/6.55(230V)/6.80(240V)		
					Conditions			Dimension(mm)		Net weight		
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)		
				Cooling	27.0	19.0	47	250 x 900 x 732		26		
				Heating	20.0	-	-					

4. Branch/Header/Twinning kit

Sys.	Model name	Product image*1	Qty	Description
-	-		-	-

*1 The product image refers to a representative model. The actual product may differ from the image shown.

*3 Please refer to the specification sheet in the "Product Features" section at the end.

All Floors

> Product information

> Air conditioning unit specifications

1. Outdoor unit

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Power input (kW)		COP (kW/kW)*2	
L3 Sys 2 East & North	PURY- P550YNW-A		1		Rated	Corrected	Rated	Corrected	Rated	Corrected
				Cooling	63.00	61.11	16.03	9.76	3.93	5.04
				Heating	69.00	69.00	17.91	11.58	3.85	4.74
				Conditions					Dimension(mm)	
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	Water inlet(deg C)	H X W X D	
				Cooling	35.0	-	-	-	1,858 (1,798 without legs) x 1,750 x 740	
				Heating	7.0	6.0	87	-	337	

2. BC controller

Sys.	Model name	Product image*1	Qty		Power input (kW)	Dimension(mm)	Net weight
L3 Sys 2 East & North	CMB-P108V-JA		1		Rated	H X W X D	(kg)
				Cooling	0.127(220V)/0.144(230V)/0.161(240V) 0.000(220V)/0.000(230V)/0.076(240V)	246 x 911 x 639	45
				Heating	0.000(220V)/0.076(240V)		

Sys.	Model name	Product image*1	Qty		Power input (kW)	Dimension(mm)	Net weight
L3 Sys 2 East & North	CMB-P104V-KB		1		Rated	H X W X D	(kg)
				Cooling	0.060(220V)/0.060(230V)/0.076(240V) 0.000(220V)/0.000(230V)/0.038(240V)	246 x 596 x 495	21
				Heating	0.000(220V)/0.038(240V)		

*1 The product image refers to a representative model. The actual product may differ from the image shown.

*2 Ability using in the COP calculation is corrected by capacity of connected indoor unit.

All Floors

> Product information

3. Indoor unit

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Sensible capacity(kW)		Power input (kW)	Current (A)	Air flow rate	External static pressure
L3 Sys 2 East & North	PEFY-P100VMA-E2		1		Rated	Corrected	Rated	Corrected	Rated		(m3/min)	
				Cooling	11.20	11.20	8.70	8.70	0.15	0.96(220V/5.0/50/230V/5.0/240V)	23.0 - 28.0 - 32.0	*3
				Heating	12.50	12.50			0.14	0.96(220V/5.0/50/230V/5.0/240V)		
					Conditions			Dimension(mm)		Net weight		
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)		
				Cooling	27.0	19.0	47	250 x 1,400 x 732	39			
				Heating	20.0	-	-					

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Sensible capacity(kW)		Power input (kW)	Current (A)	Air flow rate	External static pressure	
L3 Sys 2 East & North	PEFY-P40VMA-E2		5		Rated	Corrected	Rated	Corrected	Rated		(m3/min)	10.0 - 12.0 - 14.0	*3
				Cooling	4.50	4.50	3.60	3.60	0.06	0.47(220V/5.0/50/230V/5.0/240V)			
				Heating	5.00	5.00			0.06	0.47(220V/5.0/50/230V/5.0/240V)			
					Conditions			Dimension(mm)		Net weight			
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)			
				Cooling	27.0	19.0	47	250 x 900 x 732		26			
				Heating	20.0	-	-						

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Sensible capacity(kW)		Power input (kW)	Current (A)	Air flow rate	External static pressure
L3 Sys 2 East & North	PEFY-P50VMA-E2		1		Rated	Corrected	Rated	Corrected	Rated		(m3/min)	
				Cooling	5.60	5.60	4.40	4.43	0.09	0.57(220V/5.0/50/230V/5.0/240V)	12.0 - 14.5 - 17.0	*3
				Heating	6.30	6.30			0.08	0.57(220V/5.0/50/230V/5.0/240V)		
					Conditions			Dimension(mm)		Net weight		
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)		
				Cooling	27.0	19.0	47	250 x 900 x 732		26		
				Heating	20.0	-	-					

*1 The product image refers to a representative model. The actual product may differ from the image shown.

*3 Please refer to the specification sheet in the "Product Features" section at the end.

All Floors

> Product information

3. Indoor unit

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Sensible capacity(kW)		Power input (kW)	Current (A)	Air flow rate (m3/min)	External static pressure
L3 Sys 2 East & North	PEFY-P32VMA-E2		2		Rated	Corrected	Rated	Corrected	Rated			
				Cooling	3.60	3.60	2.60	2.64	0.05	0.30(20V/0.31(230V/0.32(240V)	7.5 - 9.0 - 10.5	*3
				Heating	4.00	4.00			0.04	0.30(20V/0.31(230V/0.32(240V)		
					Conditions			Dimension(mm)		Net weight		
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)		
				Cooling	27.0	19.0	47	250 x 700 x 732		22		
				Heating	20.0	-	-					

Sys.	Model name	Product image*1	Qty		Capacity(kW)		Sensible capacity(kW)		Power input (kW)	Current (A)	Air flow rate (m3/min)	External static pressure
L3 Sys 2 East & North	PEFY-P25VMA-E2		1		Rated	Corrected	Rated	Corrected	Rated			
				Cooling	2.80	2.80	2.20	2.20	0.04	0.30(20V/0.31(230V/0.32(240V)	6.0 - 7.5 - 8.5	*3
				Heating	3.20	3.20			0.04	0.30(20V/0.31(230V/0.32(240V)		
					Conditions			Dimension(mm)		Net weight		
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)		
				Cooling	27.0	19.0	47	250 x 700 x 732		22		
				Heating	20.0	-	-					

4. Branch/Header/Twinning kit

Sys.	Model name	Product image*1	Qty	Description
L3 Sys 2 East &	CMY-R101S-G		1	-

> Ventilators

Model name	Product image*1	Qty	Description	Fan Speed	Air Volume(m3/h)
-		-	-	-	-

*1 The product image refers to a representative model. The actual product may differ from the image shown.

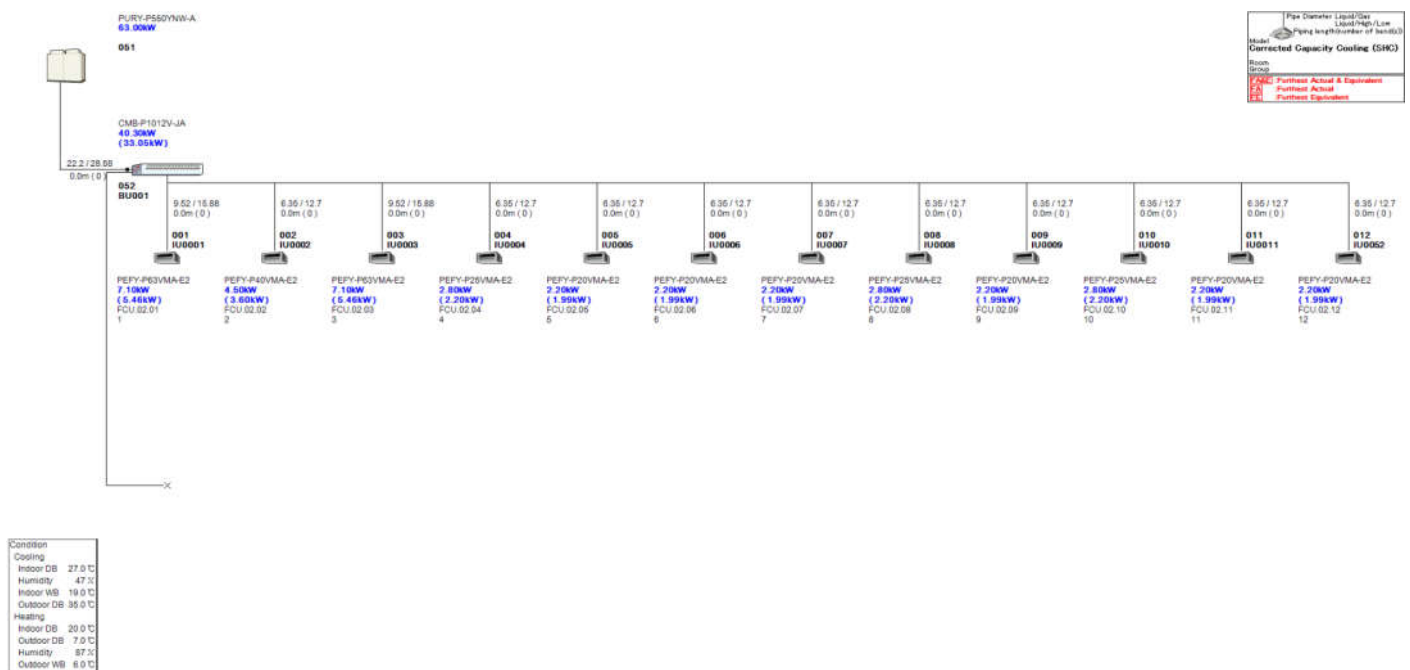
*3 Please refer to the specification sheet in the "Product Features" section at the end.

All Floors

L2 Sys1 West

> Piping Design

1. Piping diagram



All Floors

L2 Sys1 West

> Piping Design

2. Refrigerant Piping

	Liquid/High (mm)	Gas/Low(mm)	Low/Gas/Bypass/ Oil(mm)	Total length(m)	Number of bent
BC controller to Indoor unit	9.52	15.88		0	0
BC controller to Indoor unit	6.35	12.7		0	0
Outdoor Unit to BC controller	22.2	28.58		0	0

3. Summary totals (Refrigerant piping)

Pipe Size (mm)	Total length(m)	Number of bent
6.35	0	0
9.52	0	0
12.7	0	0
15.88	0	0
22.2	0	0
28.58	0	0

4. Refrigerant charge

Additional refrigerant required	R410A	X	6.5	kg
Total refrigerant amount	R410A	X	17.3	kg

5. Water flow rate (for WY/WR2/HCM(Water Cooled))

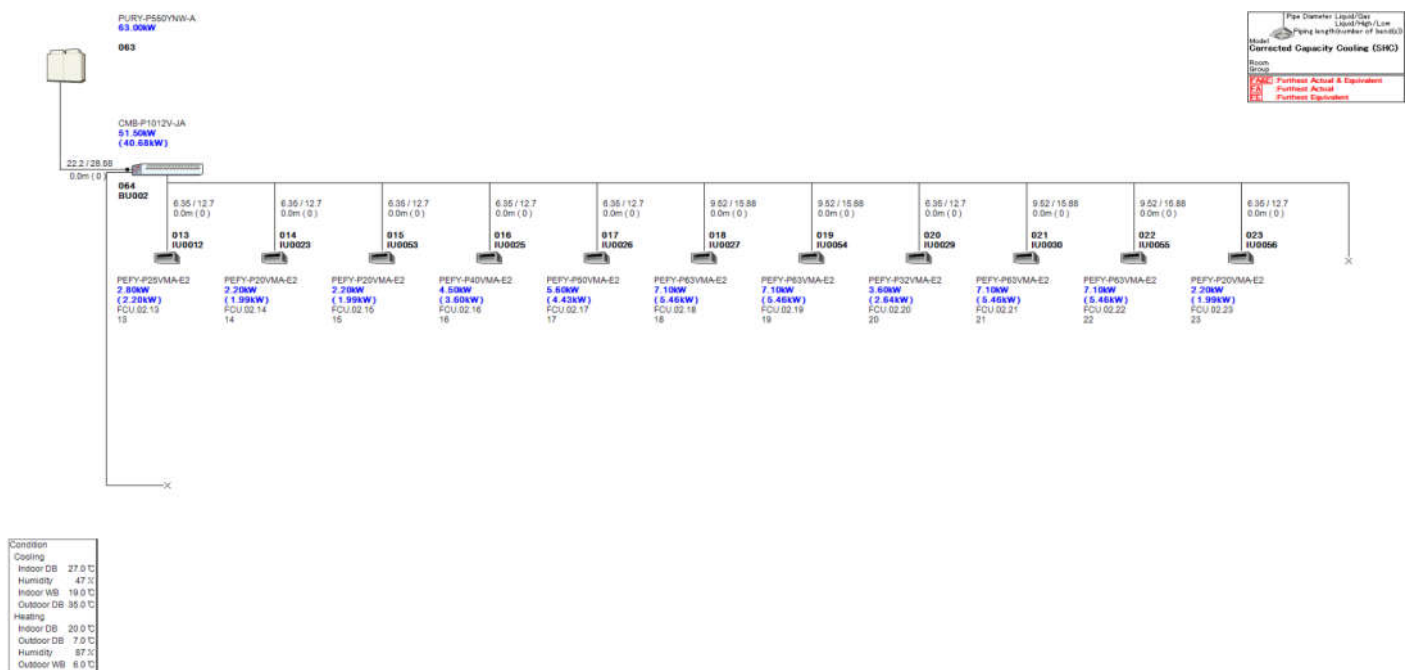
Flow rate(m3/h)	Pressure drop(kPa)
-	-

All Floors

L2 Sys2 East

> Piping Design

1. Piping diagram



All Floors

L2 Sys2 East

> Piping Design

2. Refrigerant Piping

	Liquid/High (mm)	Gas/Low(mm)	Low/Gas/Bypass/ Oil(mm)	Total length(m)	Number of bent
BC controller to Indoor unit	6.35	12.7		0	0
BC controller to Indoor unit	9.52	15.88		0	0
Outdoor Unit to BC controller	22.2	28.58		0	0

3. Summary totals (Refrigerant piping)

Pipe Size (mm)	Total length(m)	Number of bent
6.35	0	0
9.52	0	0
12.7	0	0
15.88	0	0
22.2	0	0
28.58	0	0

4. Refrigerant charge

Additional refrigerant required	R410A	X	7.5	kg
Total refrigerant amount	R410A	X	18.3	kg

5. Water flow rate (for WY/WR2/HCM(Water Cooled))

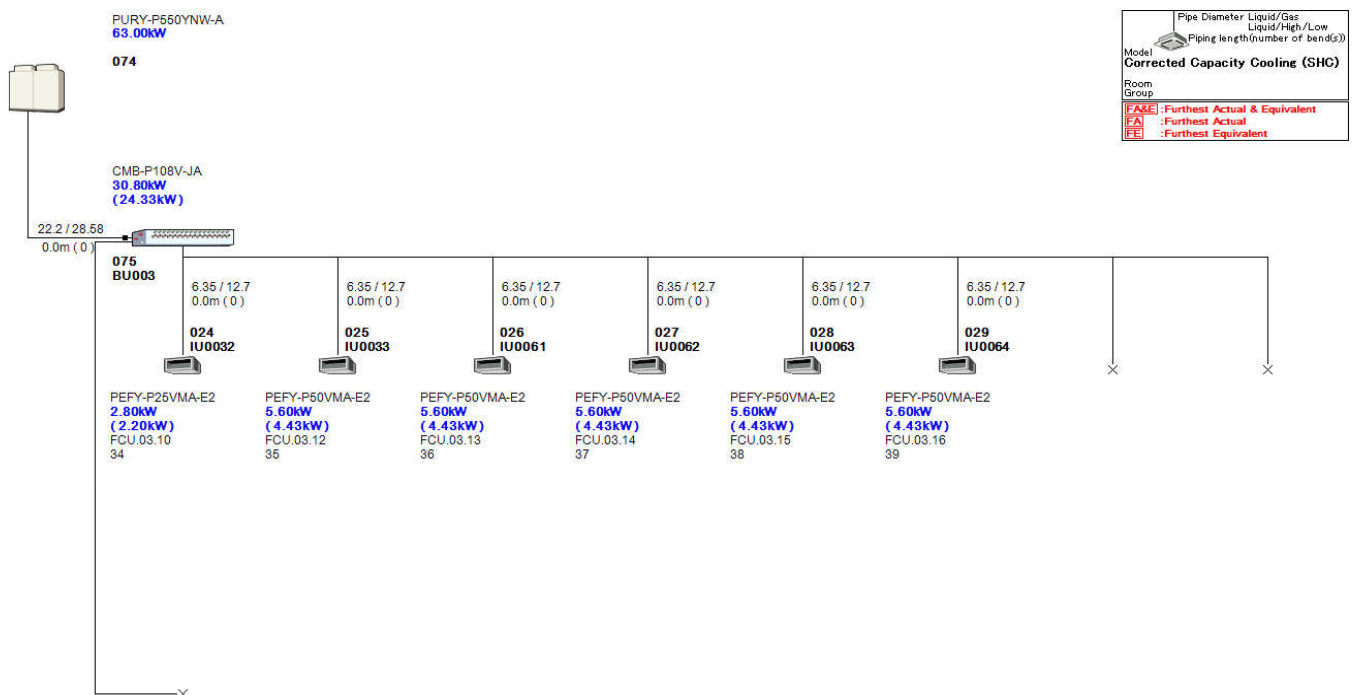
Flow rate(m3/h)	Pressure drop(kPa)
-	-

All Floors

L3 Sys 1 West

> Piping Design

1. Piping diagram



Condition	
Cooling	
Indoor DB	27.0 °C
Humidity	47 %
Indoor WB	19.0 °C
Outdoor DB	35.0 °C
Heating	
Indoor DB	20.0 °C
Outdoor DB	7.0 °C
Humidity	87 %
Outdoor WB	6.0 °C

All Floors

L3 Sys 1 West

> Piping Design

2. Refrigerant Piping

	Liquid/High (mm)	Gas/Low(mm)	Low/Gas/Bypass/ Oil(mm)	Total length(m)	Number of bent
BC controller to Indoor unit	6.35	12.7		0	0
Outdoor Unit to BC controller	22.2	28.58		0	0

3. Summary totals (Refrigerant piping)

Pipe Size (mm)	Total length(m)	Number of bent
6.35	0	0
12.7	0	0
22.2	0	0
28.58	0	0

4. Refrigerant charge

Additional refrigerant required	R410A	X	6	kg
Total refrigerant amount	R410A	X	16.8	kg

5. Water flow rate (for WY/WR2/HCM(Water Cooled))

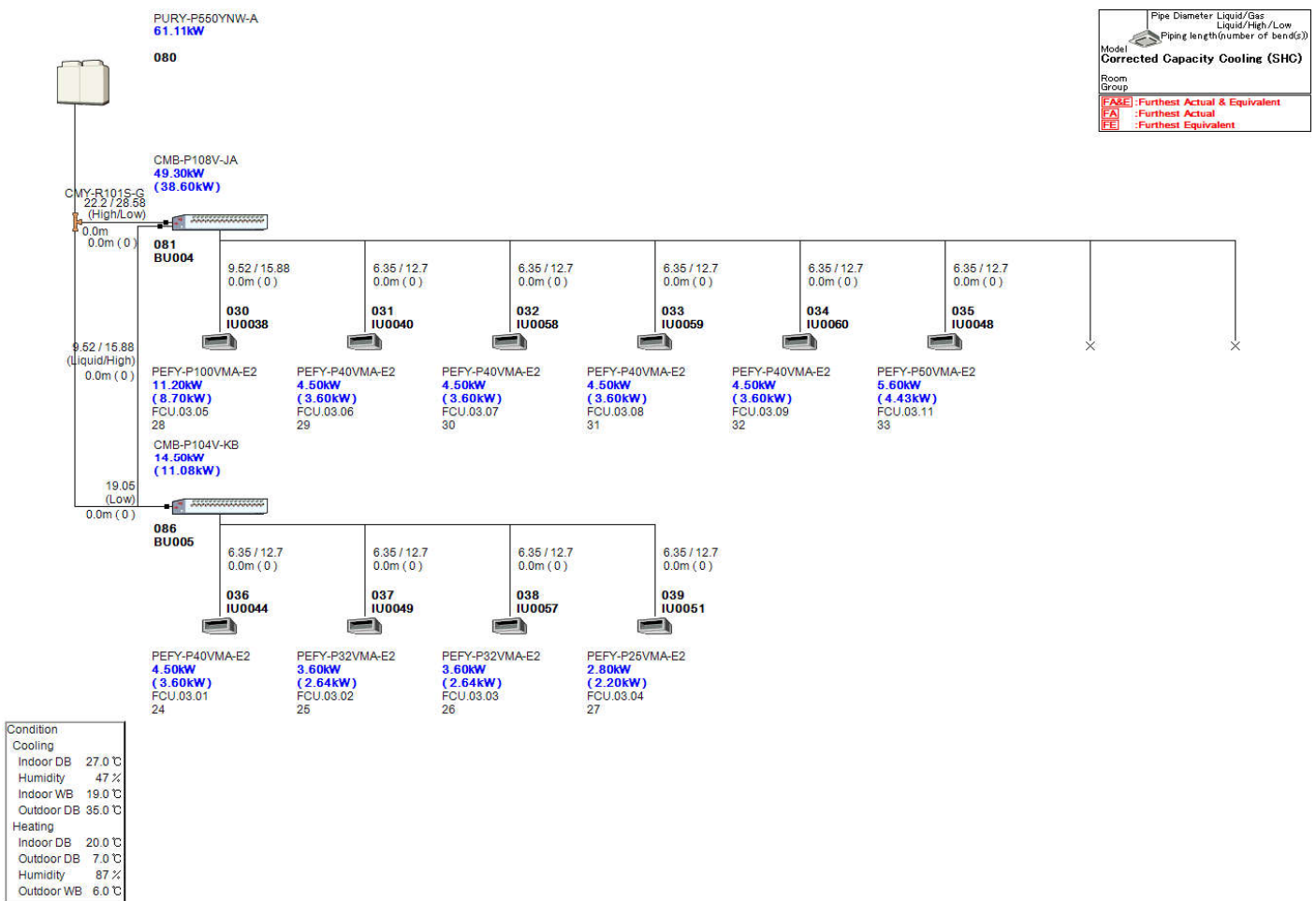
Flow rate(m3/h)	Pressure drop(kPa)
-	-

All Floors

L3 Sys 2 East & North

> Piping Design

1. Piping diagram



All Floors

L3 Sys 2 East & North

> Piping Design

2. Refrigerant Piping

	Liquid/High (mm)	Gas/Low(mm)	Low/Gas/Bypass/ Oil(mm)	Total length(m)	Number of bent
BC controller to Indoor unit	9.52	15.88		0	0
BC controller to Indoor unit	6.35	12.7		0	0
BC controller to BC controller	9.52		15.88	0	0
BC controller to BC controller		19.05		0	0
Outdoor Unit to BC controller	22.2	28.58		0	0

3. Summary totals (Refrigerant piping)

Pipe Size (mm)	Total length(m)	Number of bent
6.35	0	0
9.52	0	0
12.7	0	0
15.88	0	0
19.05	0	0
22.2	0	0
28.58	0	0

4. Refrigerant charge

Additional refrigerant required	R410A	X	7.9	kg
Total refrigerant amount	R410A	X	18.7	kg

5. Water flow rate (for WY/WR2/HCM(Water Cooled))

Flow rate(m3/h)	Pressure drop(kPa)
-	-

All Floors

> Electrical Wiring Information

Svs.	1	x	AE-200E
			Power supply info.
			Power source: -
			MCA(A): -
			Max.Fuse(A): -
			Connection: to power supply unit
			Power supply cable: -
			size -
			-
			-
			Transmission info.
			Connection: -
			Transmission cable: Shielding wire (2-core) CVVS or CPEVS
			size 1.25-2mm2 or thicker
			-

Svs.	39	x	PAR-33MAA
			Power supply info.
			Power source: -
			MCA(A): -
			Max.Fuse(A): -
			Connection: -
			Power supply cable: -
			size -
			-
			-
			Transmission info.
			Connection: -
			Transmission cable: -
			size -
			-

Svs.	1	x	PURY-P550YNW-A
			Power supply info.
			Power source: 3-phase 4-wire 380/400/415V 50Hz
			MCA(A): 47.5
			Max.Fuse(A): -
			Connection: TB1(L1,L2,L3,N),ground
			Power supply cable: Metal conduit wiring
			size 10.0mm2 or thicker(main) 10.0mm2 or thicker(ground)
			-
			Transmission info.
			Connection: TB3(M1,M2,S)TB7(M1,M2,S) *2
			Transmission cable: Shielding wire (2-core) CVVS, CPEVS or MVVS
			size 1.25mm2 or thicker
			-

Svs.	1	x	CMB-P1012V-JA
			Power supply info.
			Power source: 1-phase 220/230/240V 50Hz
			MCA(A): 1.24
			Max.Fuse(A): -
			Connection: -
			Power supply cable: -
			size -
			-
			-
			Transmission info.
			Connection: -
			Transmission cable: -
			size -
			-

Svs.	2	x	PEFY-P63VMA-E2
			Power supply info.
			Power source: 1-phase 220/230/240V 50Hz
			MCA(A): 2.08
			Max.Fuse(A): -
			Connection: TB2(L,N),ground
			Power supply cable: Metal conduit wire
			size 1.5mm2 or thicker(main) *3 1.5mm2 or thicker(ground) *3
			-
			Transmission info.
			Connection: TB5(M1,M2,S)TB15(1,2) *4
			Transmission cable: Shielding wire (2-core) CVVS, CPEVS or MVVS
			size 1.25mm2 or thicker
			-

Svs.	1	x	PEFY-P40VMA-E2
			Power supply info.
			Power source: 1-phase 220/230/240V 50Hz
			MCA(A): 1.32
			Max.Fuse(A): -
			Connection: TB2(L,N),ground
			Power supply cable: Metal conduit wire
			size 1.5mm2 or thicker(main) *3 1.5mm2 or thicker(ground) *3
			-
			Transmission info.
			Connection: TB5(M1,M2,S)TB15(1,2) *4
			Transmission cable: Shielding wire (2-core) CVVS, CPEVS or MVVS
			size 1.25mm2 or thicker
			-

*2 TB7 is used for centralized controller.

*3 The wiring size differs depending on the total operating current of the indoor unit. 1.5mm2 or thicker(16A or less), 2.5mm2 or thicker(25A or less), 4.0mm2 or thicker(32A or less)

*4 TB5 is used for ME remote controller. TB15 is used for MA remote controller.

All Floors

> Electrical Wiring Information

Svs.	3	x	PEFY-P25VMA-E2
L2 Sys1 West	Power supply info.		
	Power source:	1-phase 220/230/240V 50Hz	
	MCA(A):	0.92	
	Max.Fuse(A):	-	
	Connection:	TB2(L,N),ground	
	Power supply cable:	Metal conduit wire	
	size	1.5mm2 or thicker(main) *3	
		1.5mm2 or thicker(ground) *3	
	Transmission info.		
	Connection:	TB5(M1,M2,S)TB15(1,2) *4	
	Transmission cable:	Shielding wire (2-core)	
		CVVS, CPEVS or MVVS	
	size	1.25mm2 or thicker	
		-	

Svs.	6	x	PEFY-P20VMA-E2
L2 Sys1 West	Power supply info.		
	Power source:	1-phase 220/230/240V 50Hz	
	MCA(A):	0.92	
	Max.Fuse(A):	-	
	Connection:	TB2(L,N),ground	
	Power supply cable:	Metal conduit wire	
	size	1.5mm2 or thicker(main) *3	
		1.5mm2 or thicker(ground) *3	
	Transmission info.		
	Connection:	TB5(M1,M2,S)TB15(1,2) *4	
	Transmission cable:	Shielding wire (2-core)	
		CVVS, CPEVS or MVVS	
	size	1.25mm2 or thicker	
		-	

Svs.	1	x	PURY-P550YNW-A
L2 Sys2 East	Power supply info.		
	Power source:	3-phase 4-wire 380/400/415V 50Hz	
	MCA(A):	47.5	
	Max.Fuse(A):	-	
	Connection:	TB1(L1,L2,L3,N),ground	
	Power supply cable:	Metal conduit wiring	
	size	10.0mm2 or thicker(main)	
		10.0mm2 or thicker(ground)	
	Transmission info.		
	Connection:	TB3(M1,M2,S)TB7(M1,M2,S) *2	
	Transmission cable:	Shielding wire (2-core)	
		CVVS, CPEVS or MVVS	
	size	1.25mm2 or thicker	
		-	

Svs.	1	x	CMB-P1012V-JA
L2 Sys2 East	Power supply info.		
	Power source:	1-phase 220/230/240V 50Hz	
	MCA(A):	1.24	
	Max.Fuse(A):	-	
	Connection:	-	
	Power supply cable:	-	
	size	-	
		-	
	Transmission info.		
	Connection:	-	
	Transmission cable:	-	
		-	
	size	-	
		-	

Svs.	1	x	PEFY-P25VMA-E2
L2 Sys2 East	Power supply info.		
	Power source:	1-phase 220/230/240V 50Hz	
	MCA(A):	0.92	
	Max.Fuse(A):	-	
	Connection:	TB2(L,N),ground	
	Power supply cable:	Metal conduit wire	
	size	1.5mm2 or thicker(main) *3	
		1.5mm2 or thicker(ground) *3	
	Transmission info.		
	Connection:	TB5(M1,M2,S)TB15(1,2) *4	
	Transmission cable:	Shielding wire (2-core)	
		CVVS, CPEVS or MVVS	
	size	1.25mm2 or thicker	
		-	

Svs.	3	x	PEFY-P20VMA-E2
L2 Sys2 East	Power supply info.		
	Power source:	1-phase 220/230/240V 50Hz	
	MCA(A):	0.92	
	Max.Fuse(A):	-	
	Connection:	TB2(L,N),ground	
	Power supply cable:	Metal conduit wire	
	size	1.5mm2 or thicker(main) *3	
		1.5mm2 or thicker(ground) *3	
	Transmission info.		
	Connection:	TB5(M1,M2,S)TB15(1,2) *4	
	Transmission cable:	Shielding wire (2-core)	
		CVVS, CPEVS or MVVS	
	size	1.25mm2 or thicker	
		-	

*2 TB7 is used for centralized controller.

*3 The wiring size differs depending on the total operating current of the indoor unit. 1.5mm2 or thicker(16A or less), 2.5mm2 or thicker(25A or less), 4.0mm2 or thicker(32A or less)

*4 TB5 is used for ME remote controller. TB15 is used for MA remote controller.

All Floors

> Electrical Wiring Information

Svs.	1	x	PEFY-P40VMA-E2
L2 Sys2 East	Power supply info.		
	Power source:	1-phase 220/230/240V 50Hz	
	MCA(A):	1.32	
	Max.Fuse(A):	-	
	Connection:	TB2(L,N),ground	
	Power supply cable:	Metal conduit wire	
	size	1.5mm2 or thicker(main) *3	
		1.5mm2 or thicker(ground) *3	
	Transmission info.		
	Connection:	TB5(M1,M2,S)TB15(1,2) *4	
	Transmission cable:	Shielding wire (2-core)	
		CVVS, CPEVS or MVVS	
	size	1.25mm2 or thicker	
		-	

Svs.	1	x	PEFY-P50VMA-E2
L2 Sys2 East	Power supply info.		
	Power source:	1-phase 220/230/240V 50Hz	
	MCA(A):	1.4	
	Max.Fuse(A):	-	
	Connection:	TB2(L,N),ground	
	Power supply cable:	Metal conduit wire	
	size	1.5mm2 or thicker(main) *3	
		1.5mm2 or thicker(ground) *3	
	Transmission info.		
	Connection:	TB5(M1,M2,S)TB15(1,2) *4	
	Transmission cable:	Shielding wire (2-core)	
		CVVS, CPEVS or MVVS	
	size	1.25mm2 or thicker	
		-	

Svs.	4	x	PEFY-P63VMA-E2
L2 Sys2 East	Power supply info.		
	Power source:	1-phase 220/230/240V 50Hz	
	MCA(A):	2.08	
	Max.Fuse(A):	-	
	Connection:	TB2(L,N),ground	
	Power supply cable:	Metal conduit wire	
	size	1.5mm2 or thicker(main) *3	
		1.5mm2 or thicker(ground) *3	
	Transmission info.		
	Connection:	TB5(M1,M2,S)TB15(1,2) *4	
	Transmission cable:	Shielding wire (2-core)	
		CVVS, CPEVS or MVVS	
	size	1.25mm2 or thicker	
		-	

Svs.	1	x	PEFY-P32VMA-E2
L2 Sys2 East	Power supply info.		
	Power source:	1-phase 220/230/240V 50Hz	
	MCA(A):	1.07	
	Max.Fuse(A):	-	
	Connection:	TB2(L,N),ground	
	Power supply cable:	Metal conduit wire	
	size	1.5mm2 or thicker(main) *3	
		1.5mm2 or thicker(ground) *3	
	Transmission info.		
	Connection:	TB5(M1,M2,S)TB15(1,2) *4	
	Transmission cable:	Shielding wire (2-core)	
		CVVS, CPEVS or MVVS	
	size	1.25mm2 or thicker	
		-	

Svs.	1	x	PURY-P550YNW-A
L3 Sys 1 West	Power supply info.		
	Power source:	3-phase 4-wire 380/400/415V 50Hz	
	MCA(A):	47.5	
	Max.Fuse(A):	-	
	Connection:	TB1(L1,L2,L3,N),ground	
	Power supply cable:	Metal conduit wiring	
	size	10.0mm2 or thicker(main)	
		10.0mm2 or thicker(ground)	
	Transmission info.		
	Connection:	TB3(M1,M2,S)TB7(M1,M2,S) *2	
	Transmission cable:	Shielding wire (2-core)	
		CVVS, CPEVS or MVVS	
	size	1.25mm2 or thicker	
		-	

Svs.	1	x	CMB-P108V-JA
L3 Sys 1 West	Power supply info.		
	Power source:	1-phase 220/230/240V 50Hz	
	MCA(A):	0.85	
	Max.Fuse(A):	-	
	Connection:	-	
	Power supply cable:	-	
	size	-	
		-	
	Transmission info.		
	Connection:	-	
	Transmission cable:	-	
		-	
	size	-	
		-	

*2 TB7 is used for centralized controller.

*3 The wiring size differs depending on the total operating current of the indoor unit. 1.5mm2 or thicker(16A or less), 2.5mm2 or thicker(25A or less), 4.0mm2 or thicker(32A or less)

*4 TB5 is used for ME remote controller. TB15 is used for MA remote controller.

All Floors

> Electrical Wiring Information

Svs.	1	x	PEFY-P25VMA-E2
L3 Sys 1 West		Power supply info.	
		Power source:	1-phase 220/230/240V 50Hz
		MCA(A):	0.92
		Max.Fuse(A):	-
		Connection:	TB2(L,N),ground
		Power supply cable:	Metal conduit wire
		size	1.5mm2 or thicker(main) *3 1.5mm2 or thicker(ground) *3
			-
		Transmission info.	
		Connection:	TB5(M1,M2,S)TB15(1,2) *4
		Transmission cable:	Shielding wire (2-core) CVVS, CPEVS or MVVS
		size	1.25mm2 or thicker

Svs.	5	x	PEFY-P50VMA-E2
L3 Sys 1 West		Power supply info.	
		Power source:	1-phase 220/230/240V 50Hz
		MCA(A):	1.4
		Max.Fuse(A):	-
		Connection:	TB2(L,N),ground
		Power supply cable:	Metal conduit wire
		size	1.5mm2 or thicker(main) *3 1.5mm2 or thicker(ground) *3
			-
		Transmission info.	
		Connection:	TB5(M1,M2,S)TB15(1,2) *4
		Transmission cable:	Shielding wire (2-core) CVVS, CPEVS or MVVS
		size	1.25mm2 or thicker

Svs.	1	x	PURY-P550YNW-A
L3 Sys 2 East & North		Power supply info.	
		Power source:	3-phase 4-wire 380/400/415V 50Hz
		MCA(A):	47.5
		Max.Fuse(A):	-
		Connection:	TB1(L1,L2,L3,N),ground
		Power supply cable:	Metal conduit wiring
		size	10.0mm2 or thicker(main) 10.0mm2 or thicker(ground)
			-
		Transmission info.	
		Connection:	TB3(M1,M2,S)TB7(M1,M2,S) *2
		Transmission cable:	Shielding wire (2-core) CVVS, CPEVS or MVVS
		size	1.25mm2 or thicker

Svs.	1	x	CMB-P108V-JA
L3 Sys 2 East & North		Power supply info.	
		Power source:	1-phase 220/230/240V 50Hz
		MCA(A):	0.85
		Max.Fuse(A):	-
		Connection:	-
		Power supply cable:	-
		size	-
			-
		Transmission info.	
		Connection:	-
		Transmission cable:	-
		size	-

Svs.	1	x	CMB-P104V-KB
L3 Sys 2 East & North		Power supply info.	
		Power source:	1-phase 220/230/240V 50Hz
		MCA(A):	0.4
		Max.Fuse(A):	-
		Connection:	-
		Power supply cable:	-
		size	-
			-
		Transmission info.	
		Connection:	-
		Transmission cable:	-
		size	-

Svs.	1	x	PEFY-P100VMA-E2
L3 Sys 2 East & North		Power supply info.	
		Power source:	1-phase 220/230/240V 50Hz
		MCA(A):	2.53
		Max.Fuse(A):	-
		Connection:	TB2(L,N),ground
		Power supply cable:	Metal conduit wire
		size	1.5mm2 or thicker(main) *3 1.5mm2 or thicker(ground) *3
			-
		Transmission info.	
		Connection:	TB5(M1,M2,S)TB15(1,2) *4
		Transmission cable:	Shielding wire (2-core) CVVS, CPEVS or MVVS
		size	1.25mm2 or thicker

*2 TB7 is used for centralized controller.

*3 The wiring size differs depending on the total operating current of the indoor unit. 1.5mm2 or thicker(16A or less), 2.5mm2 or thicker(25A or less), 4.0mm2 or thicker(32A or less)

*4 TB5 is used for ME remote controller. TB15 is used for MA remote controller.

All Floors

> Electrical Wiring Information

Svs.	5	x	PEFY-P40VMA-E2
L3 Sys 2 East & North	Power supply info.		
	Power source:	1-phase 220/230/240V 50Hz	
	MCA(A):	1.32	
	Max.Fuse(A):	-	
	Connection:	TB2(L,N),ground	
	Power supply cable:	Metal conduit wire	
	size	1.5mm2 or thicker(main) *3	
		1.5mm2 or thicker(ground) *3	
		-	
	Transmission info.		
	Connection:	TB5(M1,M2,S)TB15(1,2) *4	
	Transmission cable:	Shielding wire (2-core)	
		CVVS, CPEVS or MVVS	
		-	
	size	1.25mm2 or thicker	
		-	

Svs.	1	x	PEFY-P50VMA-E2
L3 Sys 2 East & North	Power supply info.		
	Power source:	1-phase 220/230/240V 50Hz	
	MCA(A):	1.4	
	Max.Fuse(A):	-	
	Connection:	TB2(L,N),ground	
	Power supply cable:	Metal conduit wire	
	size	1.5mm2 or thicker(main) *3	
		1.5mm2 or thicker(ground) *3	
		-	
	Transmission info.		
	Connection:	TB5(M1,M2,S)TB15(1,2) *4	
	Transmission cable:	Shielding wire (2-core)	
		CVVS, CPEVS or MVVS	
		-	
	size	1.25mm2 or thicker	
		-	

Svs.	2	x	PEFY-P32VMA-E2
L3 Sys 2 East & North	Power supply info.		
	Power source:	1-phase 220/230/240V 50Hz	
	MCA(A):	1.07	
	Max.Fuse(A):	-	
	Connection:	TB2(L,N),ground	
	Power supply cable:	Metal conduit wire	
	size	1.5mm2 or thicker(main) *3	
		1.5mm2 or thicker(ground) *3	
		-	
	Transmission info.		
	Connection:	TB5(M1,M2,S)TB15(1,2) *4	
	Transmission cable:	Shielding wire (2-core)	
		CVVS, CPEVS or MVVS	
		-	
	size	1.25mm2 or thicker	
		-	

Svs.	1	x	PEFY-P25VMA-E2
L3 Sys 2 East & North	Power supply info.		
	Power source:	1-phase 220/230/240V 50Hz	
	MCA(A):	0.92	
	Max.Fuse(A):	-	
	Connection:	TB2(L,N),ground	
	Power supply cable:	Metal conduit wire	
	size	1.5mm2 or thicker(main) *3	
		1.5mm2 or thicker(ground) *3	
		-	
	Transmission info.		
	Connection:	TB5(M1,M2,S)TB15(1,2) *4	
	Transmission cable:	Shielding wire (2-core)	
		CVVS, CPEVS or MVVS	
		-	
	size	1.25mm2 or thicker	
		-	

*3 The wiring size differs depending on the total operating current of the indoor unit. 1.5mm2 or thicker(16A or less), 2.5mm2 or thicker(25A or less), 4.0mm2 or thicker(32A or less)

*4 TB5 is used for ME remote controller. TB15 is used for MA remote controller.

Summary List

> Equipment list

1. Controller

Model name	Quantity
AE-200E	1
PAR-33MAA	39

2. PI/AI/DIDO controller

Model name	Quantity
-	-

3. Outdoor unit

Model name	Quantity
PURY-P550YNW-A	4

4. BC controller

Model name	Quantity
CMB-P1012V-JA	2
CMB-P108V-JA	2
CMB-P104V-KB	1

5. Indoor unit

Model name	Quantity
PEFY-P63VMA-E2	6
PEFY-P40VMA-E2	7
PEFY-P25VMA-E2	6
PEFY-P20VMA-E2	9
PEFY-P50VMA-E2	7
PEFY-P32VMA-E2	3
PEFY-P100VMA-E2	1

6. Branch/Header/Twinning kit

Model name	Quantity
CMY-R101S-G	1

Summary List

> Equipment list

7. Lossnay

Model name	Quantity
-	-

8. HUB (Field supply)

Model name	Quantity
-	-

9. Air volume controller (Field supply)

Model name	Quantity
-	-

10. Twinning pipe (Field supply)

Model name	Quantity
-	-

Summary List

> Field providing list

1. Refrigerant Piping Materials

Pipe Size(mm)	Total length(m)	Number of bent
6.35	0	0
9.52	0	0
12.7	0	0
15.88	0	0
22.2	0	0
28.58	0	0
19.05	0	0

2. Refrigerant charge

Additional refrigerant required	R410A	X	27.9	kg
Total refrigerant amount	R410A	X	71.1	kg

3. Electrical cables

Power supply cable size	Cable type	Usage
1.5mm ² or thicker *4	Metal conduit wire *1 *2 *3	Indoor unit power supply cable (main and ground wire)
10.0mm ² or thicker	Metal conduit wiring	Outdoor unit power supply cable (main and ground)
Transmission cable size	Cable type	Usage
1.25-2mm ² or thicker	Shielding wire (2-core) CVVS or CPEVS	Centralized control transmission cable
1.25mm ² or thicker	Shielding wire (2-core) CVVS, CPEVS or MVVS	Indoor/outdoor transmission cable

*1 The wire size is the minimum value for metal conduit wiring. If the voltage drops, use a wire that is one rank thicker in diameter.
 Make sure the power-supply voltage does not drop more than 10%.

*2 Specific wiring requirements should adhere to the wiring regulations of the region.

*3 Power supply cords of parts of appliances for outdoor use shall not be lighter than polychloroprene sheathed flexible cord (design 245 IEC57). For example, use wiring such as YZW.

*4 The wiring size differs depending on the total operating current of the indoor unit.

1.5mm² or thicker(16A or less), 2.5mm² or thicker(25A or less), 4.0mm² or thicker(32A or less)

CVVS,MVVS : PVC insulated PVC jacketed shielded control cable
 CPEVS : PE insulated PVC jacketed shielded communication cable
 CVV : PVC insulated PVC sheathed control cable