

Project No.
RFH Imaging

23/03/2022



PACAIR 01442 254401

The refrigerant charge shown within this technical submittal is based on zero metre's or our interpretation of pipe runs.

It is the responsibility of each installing contractor to confirm the correct pipe runs to ascertain the correct refrigerant charge

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Centralized Ctrl Sys1

>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.								
Con/5.01		PURY-EP200YNW-		AC/0.01 CT		PLFY-P40VFM-E1	001	PAR-40MAA		1
		51		Reporting						
		CMB-M106V-J1		AC/0.03 CT		PLFY-P40VFM-E1	003	PAR-40MAA		3
		52		Control						
				AC/0.07 CT		PLFY-P40VFM-E1	005	PAR-40MAA		5
				AC/0.14		PKFY-P40VLM-E	006	PAR-40MAA		6
Con/5.02		PURY-EP300YNW-		AC/0.04		PCFY-P100VKM-E	007	PAR-40MAA		7
		57		CT3						
		CMB-M104V-J1		AC/0.11		PKFY-P63VKM-E	009	PAR-40MAA		9
		58		UPS/IPS						
Con/5.03		PURY-EP300YNW-		AC/0.05		PCFY-P100VKM-E	011	PAR-40MAA		11
		61		CT3						
		CMB-M104V-J1		AC/0.10		PKFY-P63VKM-E	013	PAR-40MAA		13
		62		UPS/IPS						
			MRI 3		PKFY-P50VLM-E					

Centralized Ctrl Sys1

> Product information

> Controller


Model name	Product image*1	Qty	Description
AE-200E		1	Central controller
PAR-40MAA		14	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		Net weight (kg)		
				Rated	Corrected	Rated	Corrected	Rated	Corrected			
Con/5.0 1	PURY-EP200YNW-A1		1	Cooling	22.40	24.82	4.74	3.65	4.72	6.79	1,858 (1,798 without legs) x 920 x 740	
				Heating	25.00	21.52	5.25	6.46	4.76	3.33		
				Conditions				Dimension(mm)				
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	Water inlet(deg C)	H X W X D			
				Cooling	30.0	-	-	-	1,858 (1,798 without legs) x 920 x 740			
				Heating	-4.0	-4.0	100	-				

2. BC controller / Hydro unit

Sys.	Model name	Product image*1	Qty	Power input (kW)		Dimension(mm)	Net weight (kg)
				Rated	Corrected		
Con/5.0 1	CMB-M106V-J1		1	Rated		250 x 596 x 476	29
				Cooling	0.097(220V)/0.110(230V)/0.123(240V)		
				Heating	0.043(220V)/0.051(230V)/0.057(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.

Centralized Ctrl Sys1

> 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	
				Rated	Corrected	Rated	Corrected					Rated
Con/5.0 1	PLFY-P40VFM-E1		5	Cooling	4.50	4.18	3.10	2.94	0.03	0.28	7.5 - 9.0 - 11.0	*3
				Heating	5.00	5.00			0.03	0.23		
				Conditions			Dimension(mm)			Net weight		
				D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D				(kg)	
				Cooling	23.0	16.3	50	208 x 570 x 570			15	
				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
Con/5.0 1	PKFY-P40VLM-E		1	Cooling	4.50	4.18	3.01	2.94	0.04	0.35	6.3 - 7.4 - 8.6 - 10.0	*3
				Heating	5.00	5.00			0.03	0.3		
				Conditions			Dimension(mm)			Net weight		
				D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D				(kg)	
				Cooling	23.0	16.3	50	299 x 898 x 237			13	
				Heating	20.0	-	-					

4. Branch/Header/Twinning kit/Valve 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.

Centralized Ctrl Sys1


> 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				
				Rated	Corrected	Rated	Corrected	Rated	Corrected			
Con/5.0 2	PURY-EP300YNW-A1		1	Cooling	33.50	34.23	8.17	5.89	4.10	5.53		
				Heating	37.50	30.09	9.51	12.11	3.94	2.48		
				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	30.0	-	-	-	1,858 (1,798 without legs) x 920 x 740		230	
				Heating	-4.0	-4.0	100	-				

2. BC controller / Hydro unit

Sys.	Model name	Product image*1	Qty	Power input (kW)		Dimension(mm)	Net weight
				Rated			
Con/5.0 2	CMB-M104V-J1		1	Cooling	0.067(220V)/0.076(230V)/0.085(240V)	250 x 596 x 476	26
				Heating	0.030(220V)/0.034(230V)/0.038(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
Con/5.0 2	PCFY-P100VKM-E		2	Cooling	11.20	10.41	7.50	7.15	0.09	0.65	21 - 28	*3
				Heating	12.50	12.50			0.09	0.65		
				Conditions				Dimension(mm)		Net weight		
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)		
				Cooling	23.0	16.3	50	230 x 1,600 x 680		36		
				Heating	20.0	-	-					

*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.

Centralized Ctrl Sys1

> 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	
				Rated	Corrected	Rated	Corrected	Rated		(m3/min)		
Con/5.0 2	PKFY-P63VKM-E		1	Cooling	7.10	6.60	5.40	5.05	0.05	0.37	16 - 20	*3
				Heating	8.00	8.00			0.04			
				Conditions			Dimension(mm)			Net weight		
				D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D				(kg)	
				Cooling	23.0	16.3	50	365 x 1,170 x 295			21	
				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	
				Rated	Corrected	Rated	Corrected	Rated		(m3/min)		
Con/5.0 2	PKFY-P50VLM-E		1	Cooling	5.60	5.21	3.65	3.68	0.05	0.45	6.8 - 8.3 - 10.2 - 12.4	*3
				Heating	6.30	6.30			0.04			
				Conditions			Dimension(mm)			Net weight		
				D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D				(kg)	
				Cooling	23.0	16.3	50	299 x 898 x 237			13	
				Heating	20.0	-	-					

4. Branch/Header/Twinning kit/Valve 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.

Centralized Ctrl Sys1


> 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				
				Rated	Corrected	Rated	Corrected	Rated	Corrected			
Con/5.0 3	PURY-EP300YNW-A1		1	Cooling	33.50	34.23	8.17	5.89	4.10	5.53		
				Heating	37.50	30.09	9.51	12.11	3.94	2.48		
				Conditions				Dimension(mm)				Net weight (kg)
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	Water inlet(deg C)	H X W X D			
				Cooling	30.0	-	-	-	1,858 (1,798 without legs) x 920 x 740		230	
				Heating	-4.0	-4.0	100	-				

2. BC controller / Hydro unit

Sys.	Model name	Product image*1	Qty	Power input (kW)		Dimension(mm) H X W X D	Net weight (kg)
				Rated	Corrected		
Con/5.0 3	CMB-M104V-J1		1	Cooling	0.067(220V)/0.076(230V)/0.085(240V)	250 x 596 x 476	26
				Heating	0.030(220V)/0.034(230V)/0.038(240V)		

3. Indoor unit

Sys.	Model name	Product image*1	Qty	Capacity(kW)		Sensible capacity(kW)		Power input (kW) Rated	Current (A)	Air flow rate (m3/min)	External static pressure	
				Rated	Corrected	Rated	Corrected					
Con/5.0 3	PCFY-P100VKM-E		2	Cooling	11.20	10.41	7.50	7.15	0.09	0.65	21 - 28	*3
				Heating	12.50	12.50			0.09	0.65		
				Conditions				Dimension(mm)		Net weight (kg)		
					D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D				
				Cooling	23.0	16.3	50	230 x 1,600 x 680		36		
				Heating	20.0	-	-					

*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.

Centralized Ctrl Sys1

> 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	
				Rated	Corrected	Rated	Corrected					Rated
Con/5.0 3	PKFY-P63VKM-E		1	Cooling	7.10	6.60	5.40	5.05	0.05	0.37	16 - 20	*3
				Heating	8.00	8.00			0.04	0.3		
				Conditions				Dimension(mm)		Net weight		
				D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)			
				Cooling	23.0	16.3	50	365 x 1,170 x 295		21		
				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
Con/5.0 3	PKFY-P50VLM-E		1	Cooling	5.60	5.21	3.65	3.68	0.05	0.45	6.8 - 8.3 - 10.2 - 12.4	*3
				Heating	6.30	6.30			0.04	0.4		
				Conditions				Dimension(mm)		Net weight		
				D.B.(deg C)	W.B.(deg C)	Humidity(%)	H X W X D		(kg)			
				Cooling	23.0	16.3	50	299 x 898 x 237		13		
				Heating	20.0	-	-					

4. Branch/Header/Twinning kit/Valve kit

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

> Ventilators

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

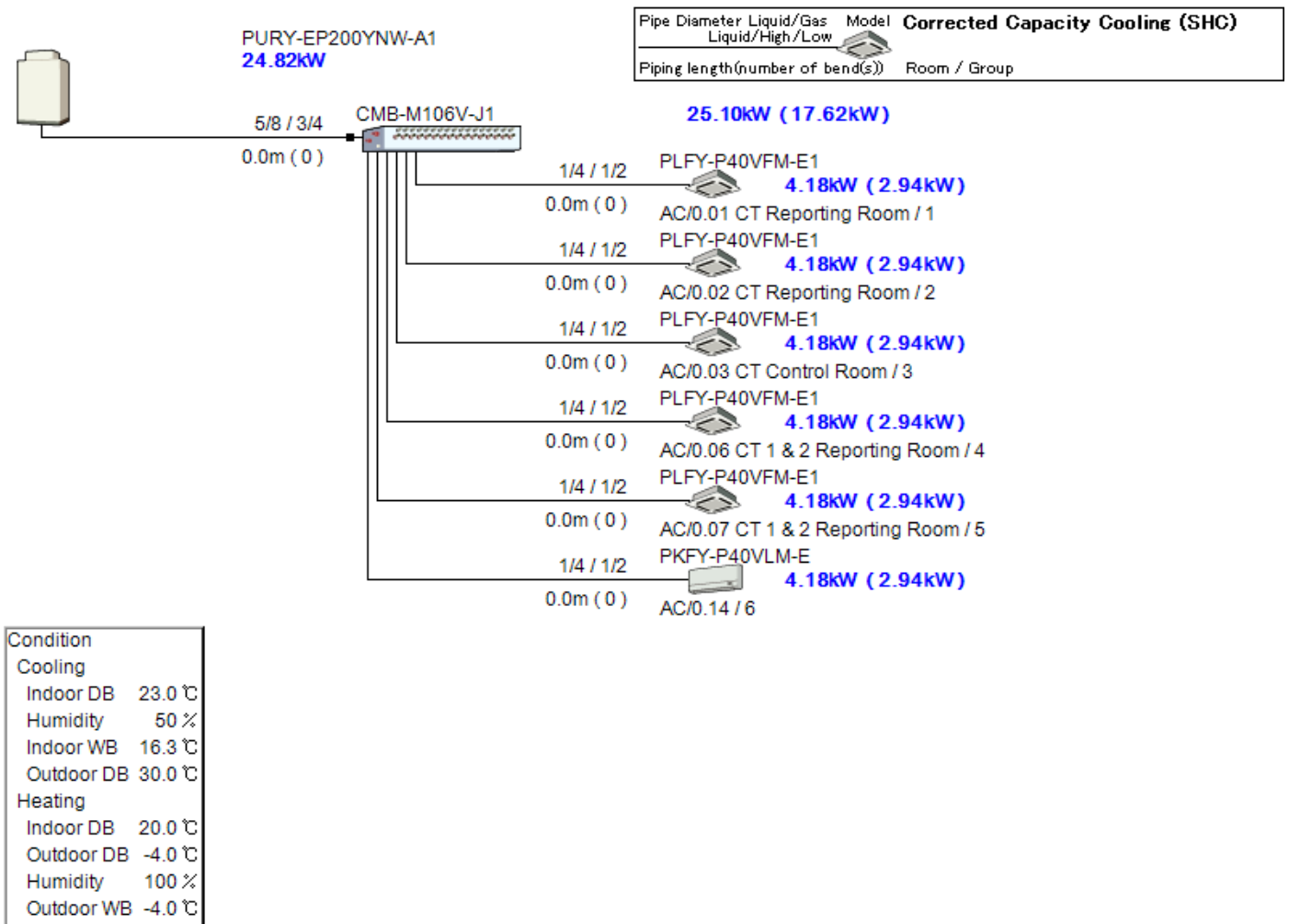
*1 The product image refers to a representative model. The actual product may differ from the image shown.

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

Centralized Ctrl Sys1 Con/5.01

> Piping Design

1. Piping diagram



Centralized Ctrl Sys1 Con/5.01

> Piping Design

2. Refrigerant Piping

	Liquid/High (inch)	Gas/Low(inch)	Low/Gas/Bypass/Oil(inch)	Total length(m)	Number of bent
BC controller to Indoor unit	1/4	1/2		0	0
Outdoor Unit to BC controller	5/8	3/4		0	0

3. Summary totals (Refrigerant piping)

Pipe Size (inch)	Total length(m)	Number of bent
1/4	0	0
1/2	0	0
5/8	0	0
3/4	0	0

4. Refrigerant charge

Additional refrigerant required	R410A	X	6	kg
Total refrigerant amount	R410A	X	11.2	kg

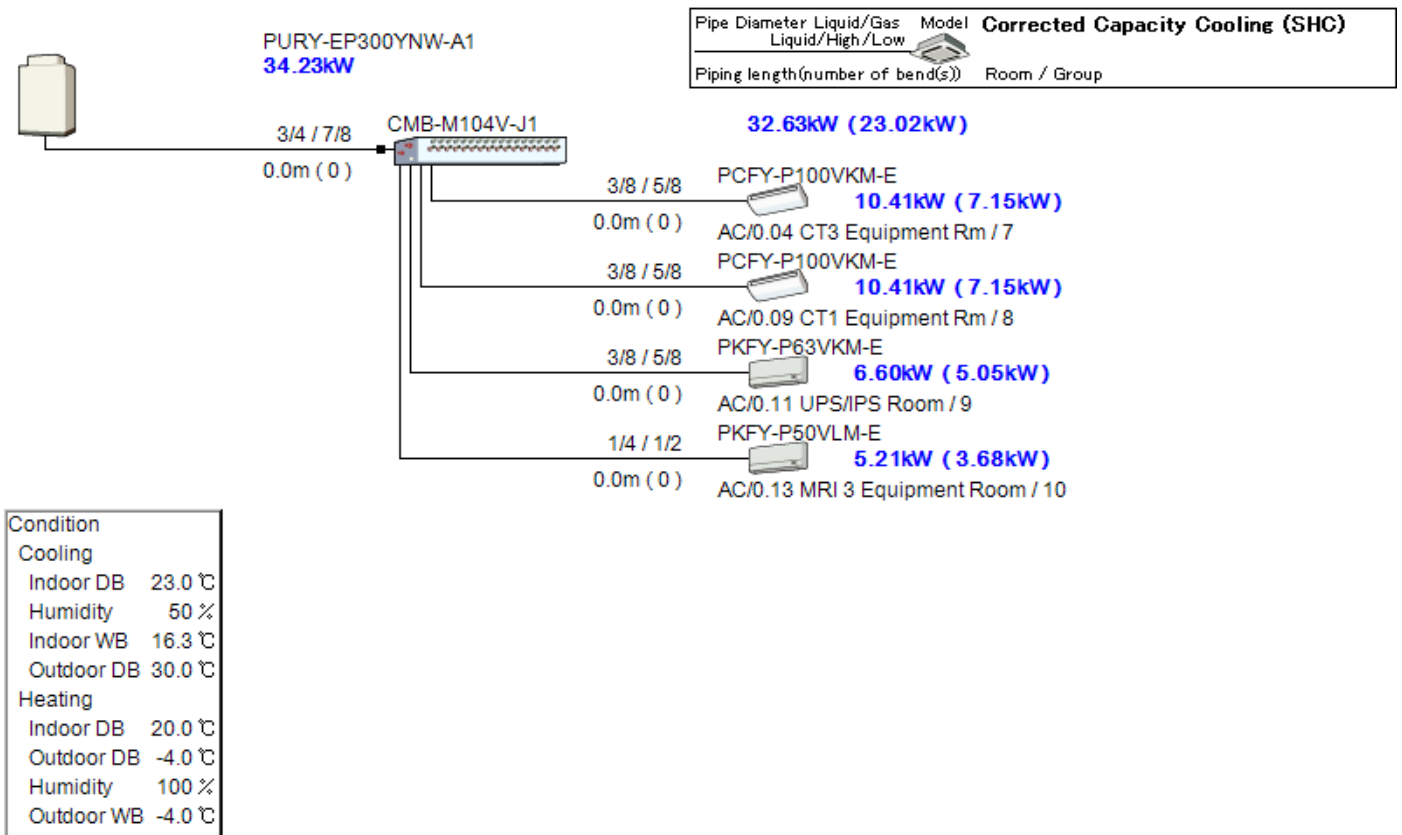
5. Water flow rate (for WY/WR2/HCM(Water Cooled))

Flow rate(m ³ /h)	Pressure drop(kPa)
-	-

Centralized Ctrl Sys1 Con/5.02

> Piping Design

1. Piping diagram



Centralized Ctrl Sys1 Con/5.02

> Piping Design

2. Refrigerant Piping

	Liquid/High (inch)	Gas/Low(inch)	Low/Gas/Bypass/Oil(inch)	Total length(m)	Number of bent
BC controller to Indoor unit	3/8	5/8		0	0
BC controller to Indoor unit	1/4	1/2		0	0
Outdoor Unit to BC controller	3/4	7/8		0	0

3. Summary totals (Refrigerant piping)

Pipe Size (inch)	Total length(m)	Number of bent
1/4	0	0
3/8	0	0
1/2	0	0
5/8	0	0
3/4	0	0
7/8	0	0

4. Refrigerant charge

Additional refrigerant required	R410A	X	7	kg
Total refrigerant amount	R410A	X	12.2	kg

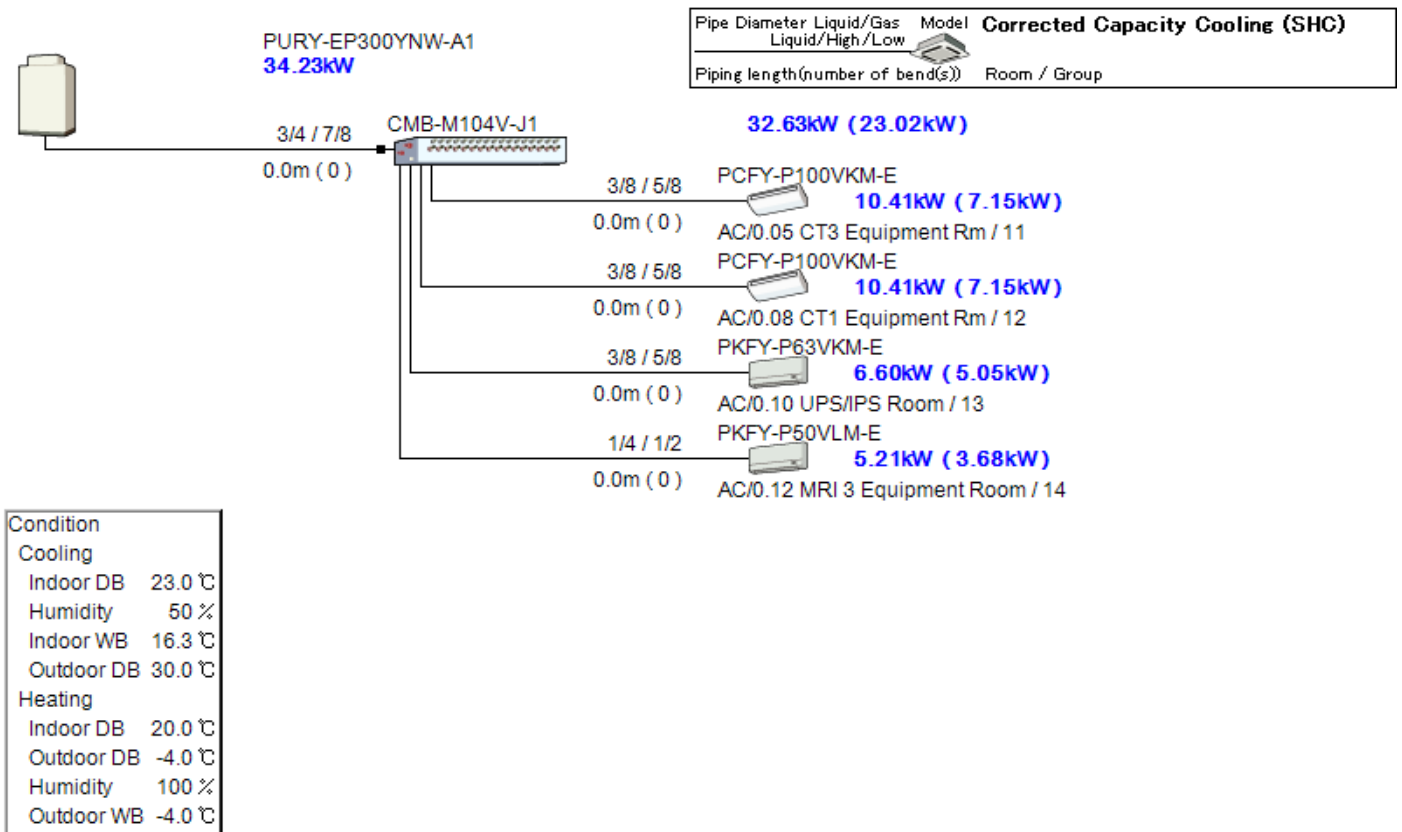
5. Water flow rate (for WY/WR2/HCM(Water Cooled))

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

Centralized Ctrl Sys1 Con/5.03

> Piping Design

1. Piping diagram



Centralized Ctrl Sys1 Con/5.03

> Piping Design

2. Refrigerant Piping

	Liquid/High (inch)	Gas/Low(inch)	Low/Gas/Bypass/Oil(inch)	Total length(m)	Number of bent
BC controller to Indoor unit	3/8	5/8		0	0
BC controller to Indoor unit	1/4	1/2		0	0
Outdoor Unit to BC controller	3/4	7/8		0	0

3. Summary totals (Refrigerant piping)

Pipe Size (inch)	Total length(m)	Number of bent
1/4	0	0
3/8	0	0
1/2	0	0
5/8	0	0
3/4	0	0
7/8	0	0

4. Refrigerant charge

Additional refrigerant required	R410A	X	7	kg
Total refrigerant amount	R410A	X	12.2	kg

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

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

Centralized Ctrl Sys1

> 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.	14	x	PAR-40MAA
	Power supply info.		
	Power source:	-	
	MCA(A):	-	
	Max.Fuse(A):	-	
	Connection:	-	
	Power supply cable:	-	
	size	-	
		-	
		-	
	Transmission info.		
	Connection:	-	
	Transmission cable:	Sheathed 2-core cable (unshielded) CVV	
		-	
	size	0.3mm2	
		-	

Svs.	1	x	PURY-EP200YNW-A1
	Power supply info.		
	Power source:	3-phase 4-wire 380/400/415V 50Hz	
	MCA(A):	16.1	
	Max.Fuse(A):	-	
	Connection:	TB1(L1,L2,L3,N),ground	
	Power supply cable:	Metal conduit wiring	
	size	4.0mm2 or thicker(main) 4.0mm2 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-M106V-J1
	Power supply info.		
	Power source:	1-phase 220/230/240V 50Hz	
	MCA(A):	0.65	
	Max.Fuse(A):	-	
	Connection:	-	
	Power supply cable:	-	
	size	-	
		-	
		-	
	Transmission info.		
	Connection:	-	
	Transmission cable:	-	
		-	
	size	-	
		-	

Svs.	5	x	PLFY-P40VFM-E1
	Power supply info.		
	Power source:	1-phase 220/230/240V 50Hz	
	MCA(A):	0.35	
	Max.Fuse(A):	-	
	Connection:	TB2(L,N),ground	
	Power supply cable:	Metal conduit wire	
	size	-	
		-	
		-	
	Transmission info.		
	Connection:	TB5(M1,M2,S)TB15(1,2) *4	
	Transmission cable:	Shielding wire (2-core) CVVS, CPEVS or MVVS	
		-	
	size	1.25mm2[AWG16] or thicker	
		-	

Svs.	1	x	PKFY-P40VLM-E
	Power supply info.		
	Power source:	1-phase 220/230/240V 50Hz	
	MCA(A):	0.44	
	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.


Centralized Ctrl Sys1


> Electrical Wiring Information


Svs.	1	x	PURY-EP300YNW-A1
Con/5. 02		Power supply info.	
		Power source:	3-phase 4-wire 380/400/415V 50Hz
		MCA(A):	20.3
		Max.Fuse(A):	-
		Connection:	TB1(L1,L2,L3,N),ground
		Power supply cable:	Metal conduit wiring
		size	4.0mm2 or thicker(main) 4.0mm2 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-M104V-J1
Con/5. 02		Power supply info.	
		Power source:	1-phase 220/230/240V 50Hz
		MCA(A):	0.45
		Max.Fuse(A):	-
		Connection:	-
		Power supply cable:	-
		size	-
		-	-
		-	-
		Transmission info.	
Connection:	-		
Transmission cable:	-		
-	-		
size	-		
-	-		

Svs.	2	x	PCFY-P100VKM-E
Con/5. 02		Power supply info.	
		Power source:	1-phase 220/230/240V 50Hz
		MCA(A):	0.81
		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	PKFY-P63VKM-E
Con/5. 02		Power supply info.	
		Power source:	1-phase 220/230/240V 50Hz
		MCA(A):	0.36
		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	PKFY-P50VLM-E
Con/5. 02		Power supply info.	
		Power source:	1-phase 220/230/240V 50Hz
		MCA(A):	0.57
		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-EP300YNW-A1
Con/5. 03		Power supply info.	
		Power source:	3-phase 4-wire 380/400/415V 50Hz
		MCA(A):	20.3
		Max.Fuse(A):	-
		Connection:	TB1(L1,L2,L3,N),ground
		Power supply cable:	Metal conduit wiring
		size	4.0mm2 or thicker(main) 4.0mm2 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		
-	-		


*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.


Centralized Ctrl Sys1

> Electrical Wiring Information

Svs.	1	x	CMB-M104V-J1
Con/5. 03		Power supply info.	
		Power source:	1-phase 220/230/240V 50Hz
		MCA(A):	0.45
		Max.Fuse(A):	-
		Connection:	-
		Power supply cable:	-
		size	-
			-
			-
			-
			-
			-
			-
Transmission info.		Connection:	-
	Transmission cable:	-	
	size	-	
	-	-	

Svs.	2	x	PCFY-P100VKM-E
Con/5. 03		Power supply info.	
		Power source:	1-phase 220/230/240V 50Hz
		MCA(A):	0.81
		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)	
	size	CVVS, CPEVS or MVVS	
	-	-	
	size	1.25mm2 or thicker	
	-	-	

Svs.	1	x	PKFY-P63VKM-E
Con/5. 03		Power supply info.	
		Power source:	1-phase 220/230/240V 50Hz
		MCA(A):	0.36
		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)	
	size	CVVS, CPEVS or MVVS	
	-	-	
	size	1.25mm2 or thicker	
	-	-	

Svs.	1	x	PKFY-P50VLM-E
Con/5. 03		Power supply info.	
		Power source:	1-phase 220/230/240V 50Hz
		MCA(A):	0.57
		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)	
	size	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-40MAA	14

2. PI/AI/DIDO controller

Model name	Quantity
-	-

3. Outdoor unit

Model name	Quantity
PURY-EP200YNW-A1	1
PURY-EP300YNW-A1	2

4. BC controller / Hydro unit

Model name	Quantity
CMB-M106V-J1	1
CMB-M104V-J1	2

5. Indoor unit

Model name	Quantity
PLFY-P40VFM-E1	5
PKFY-P40VLM-E	1
PCFY-P100VKM-E	4
PKFY-P63VKM-E	2
PKFY-P50VLM-E	2

6. Branch/Header/Twinning kit/Valve kit

Model name	Quantity
-	-

7. Lossnay

Model name	Quantity
-	-

Summary List

> Equipment list

8. HUB (Field supply)

Model name	Quantity
-	-

9. Air volume controller (Field supply)

Model name	Quantity
-	-

10. Twinning pipe (Field supply)

Model name	Quantity
-	-

11. Piping parts (Field supply)

Model name	Quantity
-	-

Summary List

> Field providing list

1. Refrigerant Piping Materials

Pipe Size(inch)	Total length(m)	Number of bent
1/4	0	0
1/2	0	0
5/8	0	0
3/4	0	0
3/8	0	0
7/8	0	0

2. Refrigerant charge

Additional refrigerant required	R410A	X	20	kg
Total refrigerant amount	R410A	X	35.6	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)
4.0mm ² or thicker	Metal conduit wiring	Outdoor unit power supply cable (main and ground)
Transmission cable size	Cable type	Usage
0.3mm ²	Sheathed 2-core cable (unshielded) CVV	MA remote controller transmission cable
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

MEMO

MEMO
