

Piping

System (System1)

Design Condition

Design Condition (Air)	Outdoor		Indoor	
	CM	HM	CM	HM
Temperature (DB/WB) [°C]	28.4 / 25.1	10.1 / 5.6	27.0 / 19.0	20.0 / 15.0

Installation

Type	Floor	Room Name	Equip. Name	Model Code
ODU	1F	-	System1	AM260KXVAGH/EU
IDU	1F	-	IDU1	AM056NN4DEH/EU
		-	IDU2	AM071NN4DEH/EU
		-	IDU3	AM112NN4DEH/EU
		-	IDU4	AM112NN4DEH/EU
		-	IDU5	AM112NN4DEH/EU
		-	IDU7	AM071TNVDKH/EU
		-	IDU6	AM224JNHFKH/EU

Outdoor Unit

Equip. Name	Model Code	CR [%]	Max. Capa. [kW]		Corr. Capa. [kW]	
			CM	HM	CM	HM
System1	AM260KXVAGH/EU	103.71	74.49	83.53	74.49	83.53

Indoor Unit

Equip. Name	Model Code	AM	Des Temp[°C]		Max. Capa. [kW]			Corr. Capa. [kW]		
			CM	HM	CM	HM	CM	HM	HM	
			WB	DB	TC	SHC	TC	TC	SHC	TC
IDU1	AM056NN4DEH/EU	H	19.0	20.0	5.60	3.90	6.30	5.53	3.85	6.28
IDU2	AM071NN4DEH/EU	H	19.0	20.0	7.10	5.00	8.00	7.01	4.93	7.97
IDU3	AM112NN4DEH/EU	H	19.0	20.0	11.20	7.90	12.50	11.05	7.79	12.46
IDU4	AM112NN4DEH/EU	H	19.0	20.0	11.20	7.90	12.50	11.05	7.79	12.46
IDU5	AM112NN4DEH/EU	H	19.0	20.0	11.20	7.90	12.50	11.05	7.79	12.46
IDU7	AM071TNVDKH/EU	H	19.0	20.0	6.80	4.60	7.00	6.71	4.54	6.98
IDU6	AM224JNHFKH/EU	H	19.0	20.0	22.40	15.70	25.00	22.10	15.49	24.92

Piping (Continued)

System (System1) (Continued)

Accessory

Equip. Name	Model Code	Address				Accessory
		Main	RMC			
System1	AM260KXVAGH/EU	-	-	-	-	
IDU1	AM056NN4DEH/EU	-	-	-	-	PC4NUFMAN
IDU2	AM071NN4DEH/EU	-	-	-	-	PC4NUFMAN
IDU3	AM112NN4DEH/EU	-	-	-	-	PC4NUFMAN
IDU4	AM112NN4DEH/EU	-	-	-	-	PC4NUFMAN
IDU5	AM112NN4DEH/EU	-	-	-	-	PC4NUFMAN
IDU7	AM071TNVDKH/EU	-	-	-	-	
IDU6	AM224JNHFKH/EU	-	-	-	-	

Combination Ratio

Model Code	CR [%]	Operation Mode	Min. HOR [%]	Block Load [kW]		Max. Capacity [kW]	
				CM	HM	CM	HM
AM260KXVAGH/EU	103.71	HP	-	-	-	74.49	83.53

System Check Result

Checklist	Restriction Value	Design Result
Long pipe length is 38.90 m (Restriction: 200.00 m).	200.00 m	38.90 m
Total pipe length is 87.80 m (Restriction: 1000.00 m).	1000.00 m	87.80 m
Pipe length from first Y-Joint to the farthest IDU is 23.90 m (Restriction: 45.00 m).	45.00 m	23.90 m
Height difference between ODU and IDU is 0.00 m (restriction: 110.00 m) (ODU higher than IDUs).	110.00 m	0.00 m
Height difference between ODU and IDU is 2.00 m (restriction: 110.00 m) (ODU lower than IDUs).	110.00 m	2.00 m
Height difference between IDUs when there is no wall mounts with EEV is 0.00 m (restriction: 50.00 m).	50.00 m	0.00 m
Height difference between IDUs when there are wall mounts with EEV is 0.00 m (restriction: 30.00 m).	30.00 m	0.00 m
Height difference between the lowest IDU and the highest wall mount with EEV is 0.00 m (restriction: 15.00 m).	15.00 m	0.00 m

Piping (Continued)

System (System1) (Continued)

Refrigerant

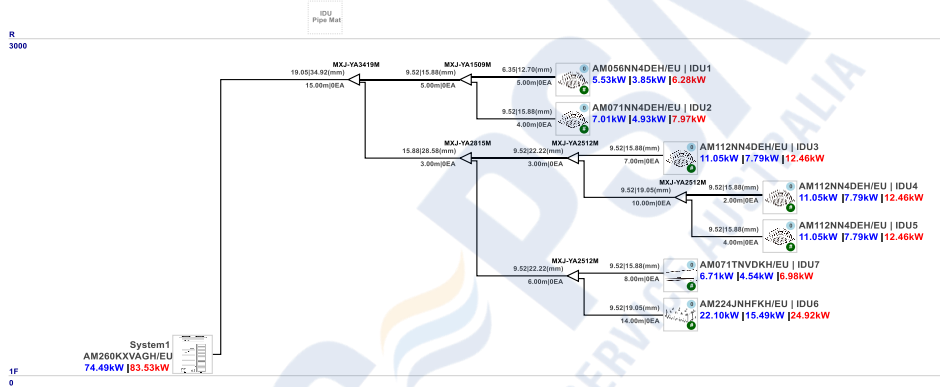
Factory Charging and Additional Refrigerant Amount	Refrigerant Amount [kg]
Factory Charging Refrigerant Amount	12.50
Additional Refrigerant Amount	12.96
Total	25.46

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Piping (Continued)

System (System1) (Continued)

Piping Diagram



-The above system configuration may differ from The actual installation conditions.
Please refer to The installation manual for full details.

