Commercial

Lineup

CAC R32

Type	2.6kW	3.5kW	5.2kW	7.1kW	10kW	12kW	14kW
360 Cassette				•	•	•	•
Wind-Free™ 4-Way Cassette			•	•	•	•	•
Wind-Free™ Mini 4-Way Cassette	•	•	•	•			
Wind-Free™ 1-Way Cassette	•	•					
Wall-Mounted Triangle	•	•	•	•			
Wall-Mounted Max					•		
LSP Duct	•	•	•	•			
MSP Duct		•	•	•	•	•	•
Console	•	•	•				
Ceiling			•	•	•	•	•

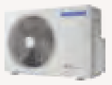
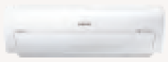
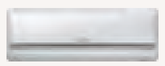
CAC R410A

Type	2.6kW	3.5kW	5.2kW	6kW	7.1kW	9kW	10kW	12kW	14kW	16kW	18kW	20kW	25kW
360 Cassette					•	•	•	•	•				
Wind-Free™ 4-Way Cassette			•		•	•	•	•	•				
Wind-Free™ Mini 4-Way Cassette	•	•	•	•	•								
1-Way Cassette	•	•											
Wall-Mounted Triangle	•	•	•		•								
Wall-Mounted Max							•						
LSP Duct	•	•	•		•								
MSP Duct		•	•		•	•	•	•	•				
HSP Duct											•	•	•
Console	•	•	•										
Ceiling			•		•		•	•	•	•			
Floor-Standing							•		•				

Commercial

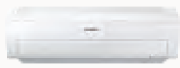
Lineup

CAC R410A High Efficiency

Type	2.6kW	3.5kW	6.0kW	7.1kW	10kW	12kW
						
4-Way Cassette 				•	•	•
Mini 4-Way Cassette 	•	•				
Wall-Mounted Triangle 	•	•		•		
Wall-Mounted Max 					•	
MSP Duct 		•		•	•	•

Twin/Triple/Quad combinations

CAC R32

Indoor Unit	kW	Outdoor Unit AC071RXADKG/EU	Outdoor Unit AC100RXADKG/EU AC100RXADNG/EU	Outdoor Unit AC120RXADKG/EU AC120RXADNG/EU	Outdoor Unit AC140RXADKG/EU AC140RXADNG/EU
		7	10	12	14
360 Cassette 	7				2
	10				
	12				
Wind-Free™ 4-Way Cassette 	5		2	3	3
	7				2
	10				
	12				
Wind-Free™ 4-Way Mini Cassette 	3.5	2	3	4	4
	5		2	3	3
	7				2
Wind-Free™ 1-Way Cassette 	3.5	2	3	4	4
Wall-Mounted Triangle 	3.5	2	3	4	4
	5		2	3	3
	7				2
Slim Duct 	3.5	2	3	4	4
	5		2	3	3
	7				2
MSP Duct 	3.5	2	3	4	4
	5		2	3	3
	7				2
	10				
	12				
Ceiling 	5		2	3	3
	7				2
	10				
	12				

CAC R410A

Indoor Unit	kW	Outdoor Unit AC071MXADKH/EU	Outdoor Unit AC100MXADKH/EU AC100MXADNH/EU	Outdoor Unit AC120MXADKH/EU AC120MXADNH/EU	Outdoor Unit AC140MXADKH/EU AC140MXADNH/EU	Outdoor Unit AC200KXAPNH/EU	Outdoor Unit AC250KXAPNH/EU
		7	10	12	14	20	25
360 Cassette 	7				2	3	4
	9					2	3
	10					2	
	12						2
1-Way Cassette 	3.5	2	3	4	4		
Wall-Mounted Triangle 	3.5	2	3	4	4		
	5		2	3	3	4	
	7				2	3	4
Slim Duct 	3.5	2	3	4	4		
	5		2	3	3	4	
	7				2	3	4
MSP Duct 	3.5	2	3	4	4		
	5		2	3	3	4	
	6			2		3	4
	7				2	3	4
	9					2	3
	10					2	
	12						2
Console 	3.5	2	3	4	4		
	5		2	3	3	4	
Ceiling 	5		2	3	3	4	
	7				2	3	4
	10					2	
	12						2

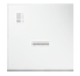
Commercial

Specifications

360 Cassette R32 NEW

Indoor Unit / Outdoor Unit- Mono-Phase / Outdoor Unit- Tri-Phase			AC071RN4PKG/EU / AC071RXADKG/EU / -	AC100RN4PKG/EU / AC100RXADKG/EU / AC100RXADNG/EU	AC120RN4PKG/EU / AC120RXADKG/EU / AC120RXADNG/EU	AC140RN4PKG/EU / AC140RXADKG/EU / AC140RXADNG/EU
Capacity						
	Cooling (Min/Nominal/Max)	kW	1.50 / 7.10 / 8.70	3.0 / 10.0 / 12.0	3.5 / 12.0 / 13.5	3.5 / 13.4 / 15.5
	Heating up to +7°C (Min/Nominal/Max)	kW	1.90 / 8.00 / 9.00	2.2 / 11.2 / 15.5	3.5 / 13.2 / 15.5	3.5 / 15.5 / 18.0
	Heating @ -5°C	kW	7.8	11,00	12.9	15.2
	Heating @ -15°C	kW	7,00	9.7	11.5	13.5
Performance						
Energy Efficiency Cooling	SEER	W/W	6.7 / A++	6.8 / A++	6.0 / A+	6.4
	Consumption	kWh/a	371	515	TBD	-
	Pdesignc	kW	7.1	10,0	TBD	-
	EER	W/W	2.6	3.08	2.69	2.81
Energy Efficiency Heating	SCOP	W/W	4.2 / A+	4.3 / A+	4.0 / A+	4.1
	Consumption	kWh/a	1500	1726	TBD	-
	Pdesignh (average)	kW	4.5	5.3	6.5	8.4
	COP	W/W	3.23	3.5	3.26	3.35
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	51.0	72.0	72.0	110.0
Sound Power	Indoor Unit	dB(A)	53	61	61	61
	Outdoor Unit	dB(A)	65	69	70	69
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	29 / 33 / 36	33 / 39 / 44	35 / 40 / 45	37 / 41 / 45
	Outdoor Unit	dB(A)	49/51	52 / 54	54 / 56	53 / 54
Fan/ Outdoor unit	Type		Turbo	Turbo	Turbo	Turbo
	Power	W	65	97	97	97
	Number	EA	1	1	1	1
External Static Pressure	Min / Std / Max	Pa				
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data						
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #	-	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4
Compressor Type	Outdoor Unit	Type	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.35 / 2.73 / 3.60	0.60 / 3.24 / 4.70	0.90 / 4.45 / 5.30	0.80 / 4.76 / 6.45
	Heating	kW	0.35 / 2.48 / 3.95	0.46 / 3.20 / 5.40	0.75 / 4.05 / 5.60	0.70 / 4.62 / 7.36
Current Input	Cooling (Min/Std/Max)	A	2.0 / 11.8 / 16.0	3.0 / 14.4 / 20.4	0.75 / 4.05 / 5.60	3.7 / 20.6 / 28.0
	Heating (Min/Std/Max)	A	2.0 / 10.7 / 17.0	3.0 / 14.4 / 20.4	3.7 / 17.7 / 26.0	3.7 / 20.6 / 28.0
	Cooling- Tri-Phase (Min/Std/Max)	A	-	1.5 / 5.1 / 7.1	2.1 / 6.9 / 10.0	2.1 / 7.3 / 10.5
	Heating- Tri-Phase (Min/Std/Max)	A	-	1.2 / 5.0 / 8.4	2.1 / 6.3 / 12.0	1.9 / 7.1 / 12.0
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
	Outdoor Unit	mm	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330
Net Weight	Indoor Unit	kg	20.2	23.5	23.5	25.5
	Outdoor Unit	kg	51,0	75,0	81,0	91.5
Refrigerant						
Refrigerant	Type		R32(Contains fluorinated greenhouse gases. GWP=675)			
	Factory charging	kg	1.7 / 15m	2.7 / 30m	2.7 / 30m	2.9 / 30m
	Charging Ton equivalent CO2	tCO2e	1.15 tCO2e	1.82 tCO2e	1.82 tCO2e	1.96 tCO2e
	Additional refrigerant charging	g / m	25	50	50	50
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	3 / 8	3 / 8	3 / 8
	Gas Pipe	Φ.inch	5 / 8	5 / 8	5 / 8	5 / 8
Piping Length	Min/ Max	m	3 / 50	50	50	75
Piping Height	Max	m	30	30	30	30
Piping Connections	Drain pipe	Φ.mm	VP25 (OD32.ID25)	VP25 (OD32.ID25)	VP25 (OD32.ID25)	VP25 (OD32.ID25)
Others						
Panel	Model code		PC4NUNMAN	PC4NUNMAN	PC4NUNMAN	PC4NUNMAN
	Net Dimensions (W x H x D)	mm	1050 x 66 x 1050	1050 x 66 x 1050	1050 x 66 x 1050	1050 x 66 x 1050
	Net Weight	kg	2.7	2.7	2.7	2.7
Accessories	Drain pump		included	included	included	included
	Max lifting height/ displacement	mm / l/h	750/24	750/24	750/24	750/24

- 360° air supply .
- Bladeless discharge by using 3 small booster fans.
- Built-in condensation drain pump (750 mmH2O).
- High ceiling mode for heights up to 4.6m (12.8/14 kW), 3.9m (11.2 kW), 3.5m(4.5~9kW).
- SPi Ionizer device (optional).
- Circular or square cassette panel.

Accessories									
Individual Controllers (Optional)				Others (Optional)		Panel (Mandatory)			
									
AR-KH03E	MWR-SH00N	MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA	PC4NUDMAN	PC4NUNMAN	PC4NBDMAN	PC4NBNMAN

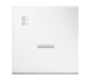
Commercial

Specifications

360 Cassette (R410A)

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC071MN4PKH/EU AC071MXADKH/EU	AC090MN4PKH/EU AC090MXADKH/EU	AC100MN4PKH/EU AC100MXADKH/EU AC100MXADNH/EU	AC120MN4PKH/EU AC120MXADKH/EU AC120MXADNH/EU	AC140MN4PKH/EU AC140MXADKH/EU AC140MXADNH/EU
Capacity							
	Cooling (Min/Nominal/Max)	kW	2.20 / 7.10 / 8.00	3.00 / 9.00 / 11.30	3.00 / 10.00 / 12.00	3.50 / 12.00 / 13.50	3.50 / 13.40 / 15.50
	Heating up to +7°C (Min/Nominal/Max)	kW	1.90 / 8.00 / 9.00	2.20 / 10.00 / 13.90	2.20 / 11.20 / 15.50	3.50 / 13.00 / 15.50	3.50 / 15.50 / 18.00
	Heating @ -5°C	kW	7.84	9.8	10.98	12.74	15.19
	Heating @ -15°C	kW	6.96	8.7	9.74	11.31	13.49
Performance							
Energy Efficiency Cooling	SEER	W/W	6.2 / A++	6.8 / A++	6.8 / A++	5.7 / A+	3,0
	Consumption	kWh/a	401	463	515	737	-
	Pdesignc	kW	7.1	9,0	10,0	12,0	-
	EER	W/W	2.85	3.19	2.94	2.55	3.01
Energy Efficiency Heating	SCOP	W/W	4.1 / A+	4.3 / A+	4.3 / A+	4.1 / A+	3.4
	Consumption	kWh/a	1537	1726	1726	2527	-
	Pdesignh (average)	kW	4.5	5.3	5.3	7.4	-
	COP	W/W	3.33	3.77	3.56	3.25	3.4
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	17.5 / 15.9 / 14.3	30.1 / 24.4 / 19.8	31.2 / 25.5 / 19.8	32.5 / 25.5 / 19.8	32.5 / 25.5 / 19.8
Sound Power	Indoor Unit	dB(A)	53	60	61	61	61
	Outdoor Unit	dB(A)	65	68	69	70	69
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	29 / 33 / 36	33 / 38 / 43	33 / 39 / 44	35 / 40 / 45	37 / 41 / 45
	Outdoor Unit	dB(A)	49 / 51	52 / 53	52 / 54	54 / 56	53 / 54
Fan/ Outdoor unit	Type		Turbo	Turbo	Turbo	Turbo	Turbo
	Power	W	65	97	97	97	97
	Number	EA	1	1	1	1	1
External Static Pressure	Min / Std / Max	Pa					
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data							
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #	-	-	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4
Compressor Type	Outdoor Unit	Type	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.35 / 2.49 / 3.95	0.60 / 2.82 / 4.46	0.60 / 3.40 / 4.70	0.90 / 4.70 / 5.30	0.80 / 4.45 / 6.44
	Heating	kW	0.35 / 2.40 / 3.95	0.46 / 2.65 / 5.20	0.46 / 3.15 / 5.40	0.75 / 4.00 / 5.50	0.70 / 4.54 / 7.36
Current Input	Cooling (Min/Std/Max)	A	2.0 / 11.1 / 17.0	3.0 / 12.7 / 19.4	3.0 / 15.1 / 20.4	4.3 / 20.5 / 23.0	3.7 / 20.0 / 28.0
	Heating (Min/Std/Max)	A	2.0 / 10.7 / 17.0	2.5 / 12.5 / 22.7	2.5 / 14.6 / 23.0	3.7 / 17.5 / 24.0	3.5 / 19.5 / 32.0
	Cooling- Tri-Phase (Min/Std/Max)	A	-	-	1.50 / 5.30 / 7.10	2.10 / 7.10 / 12.00	2.10 / 7.00 / 12.00
	Heating- Tri-Phase (Min/Std/Max)	A	-	-	1.20 / 4.90 / 8.40	2.10 / 6.30 / 12.00	1.90 / 7.00 / 12.00
Dimensions							
Net Dimensions (W x H x D)	Indoor Unit	mm	947 x 281 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947	947 x 365 x 947
	Outdoor Unit	mm	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330
Net Weight	Indoor Unit	kg	20.2	23.5	23.5	23.5	25.5
	Outdoor Unit	kg	53,0	72,0	72,0	77,0	87,0
Refrigerant							
Refrigerant	Type		R410A(Contains fluorinated greenhouse gases. GWP=2.088)				
	Factory charging	kg	1.50 / 5m	3 / 30m	3 / 30m	3 / 30m	3.4 / 30m
	Charging Ton equivalent CO2	tCO2e	3.13 tCO2e	6.26 tCO2e	6.26 tCO2e	6.26 tCO2e	7.10 tCO2e
	Additional refrigerant charging	g / m	20	50	50	50	50
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	3 / 8	3 / 8	3 / 8	3 / 8
	Gas Pipe	Φ.inch	5 / 8	5 / 8	5 / 8	5 / 8	5 / 8
Piping Length	Min/ Max	m	50	50	50	50	75
Piping Height	Max	m	30	30	30	30	30
Piping Connections	Drain pipe	Φ.mm	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)
Others							
Panel	Model code		PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN	PC4NUDMAN
	Net Dimensions (W x H x D)	mm	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000	1000 x 66 x 1000
	Net Weight	kg	3.6	3.6	3.6	3.6	3.6
Accessoires	Drain pump		inclus	inclus	inclus	inclus	inclus
	Max lifting height/ displacement	mm / l/h	750/24	750/24	750/24	750/24	750/24

- 360° air supply .
- Bladeless discharge by using 3 small booster fans.
- Built-in condensation drain pump (750 mmH2O).
- High ceiling mode for heights up to 4.6m (12.8/14 kW), 3.9m (11.2 kW), 3.5m(4.5~9kW).
- SPi Ionizer device (optional).
- Circular or square cassette panel.

Accessories									
Individual Controllers (Optional)				Others (Optional)		Panel (Mandatory)			
									
AR-KH03E	MWR-SH00N	MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA	PC4NUDMAN	PC4NUNMAN	PC4NBDMAN	PC4NBNMAN

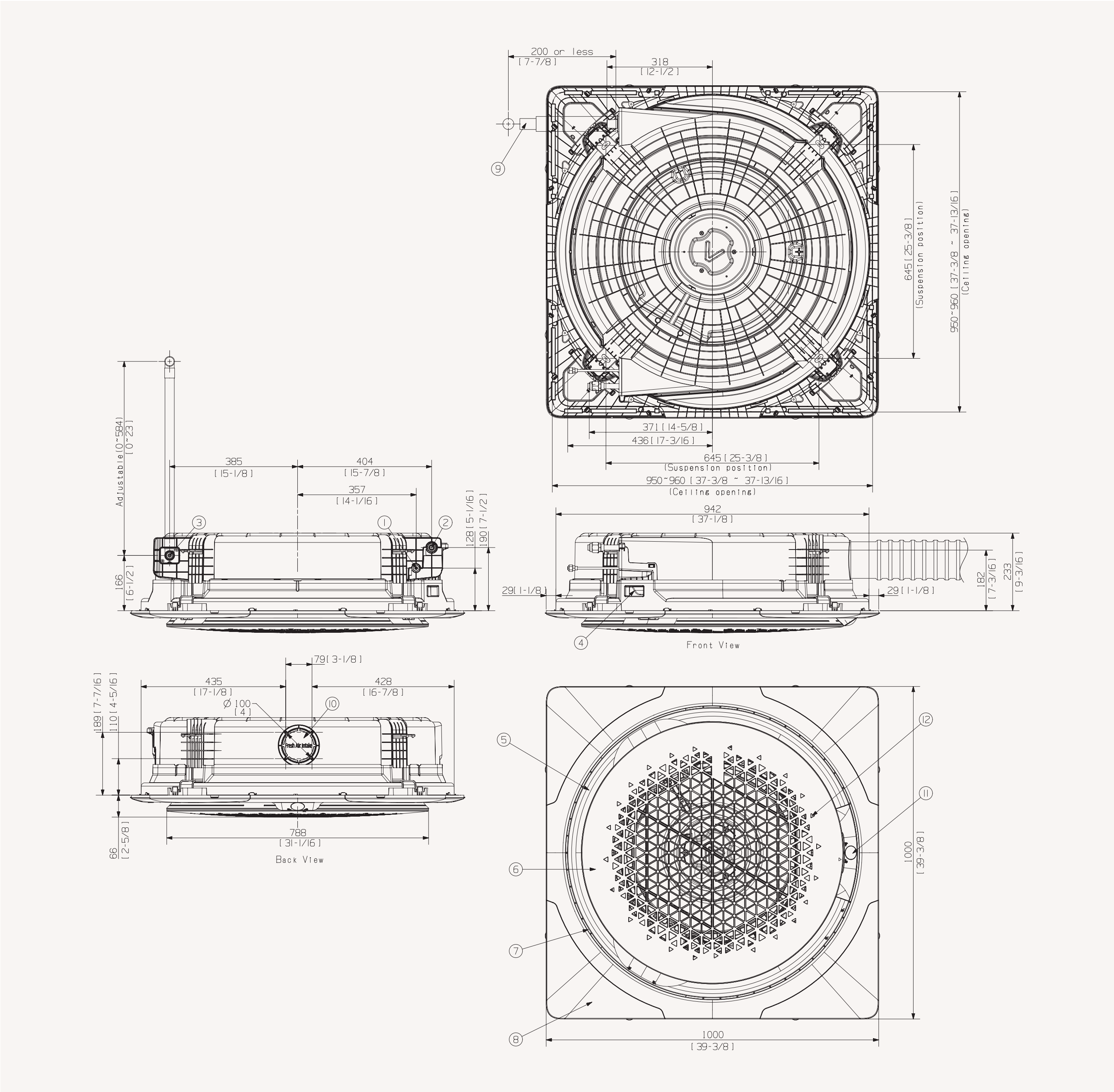
Commercial

Commercial

Dimensional Drawings

360 Cassette (square)

AC071*N4PK*/EU

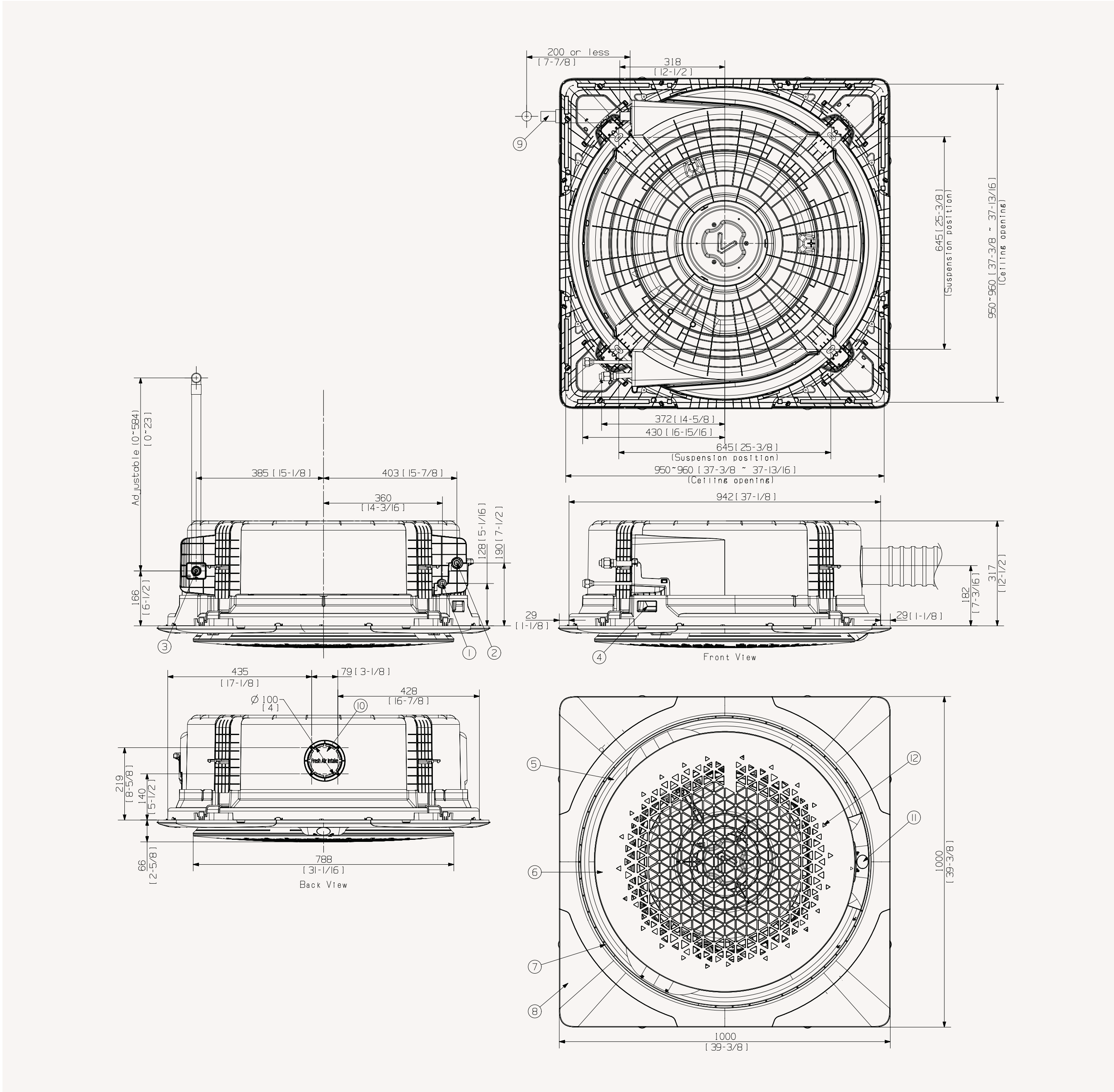


Pos.	Name	Description
1	Liquid piping	ø 6,35 mm (1/4")
2	Gas piping	ø 15,88 mm (5/8")
3	Condensation drain piping	VP-25 (OD32, ID25)
4	Power supply cables connection / communica-tion	-
5	Air supply	-
6	Air intake	

Pos.	Name	Description
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Pre-cut hole - external air	ø 100 mm
11	Display	
12	Wireless remote controller receiver	-

360 Cassette (square)

AC090/100/120/140*N4PK*/EU



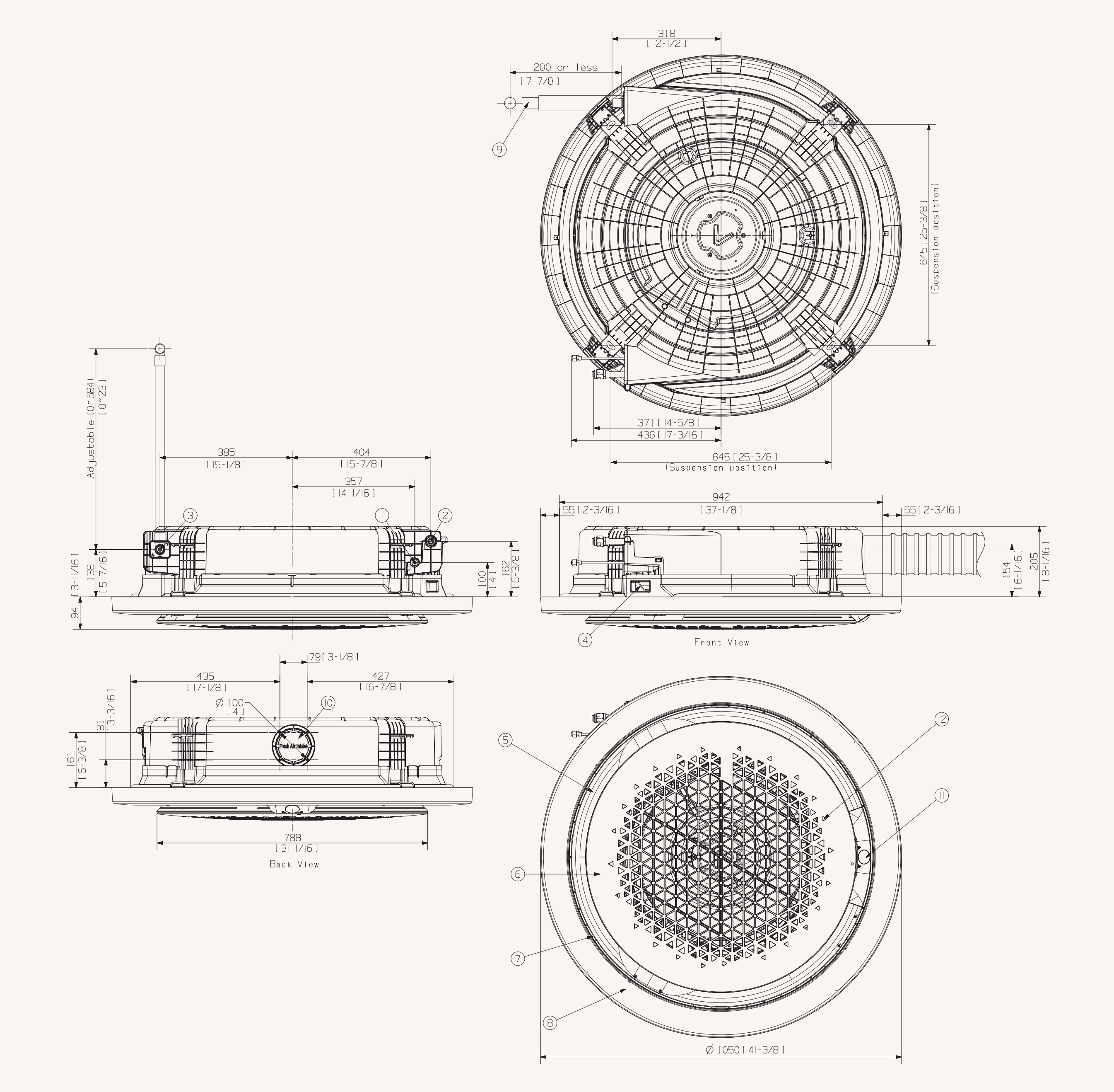
Pos.	Name	Description
1	Liquid piping	ø 9.52 mm (3/8")
2	Gas piping	ø 15,88 mm (5/8")
3	Condensation drain piping	VP-25 (OD32, ID25)
4	Power supply cables connection / communica-tion	-
5	Air supply	-
6	Air intake	

Pos.	Name	Description
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Pre-cut hole - external air	ø 100 mm
11	Display	
12	Wireless remote controller receiver	-

Dimensional Drawings

360 Cassette (circle)

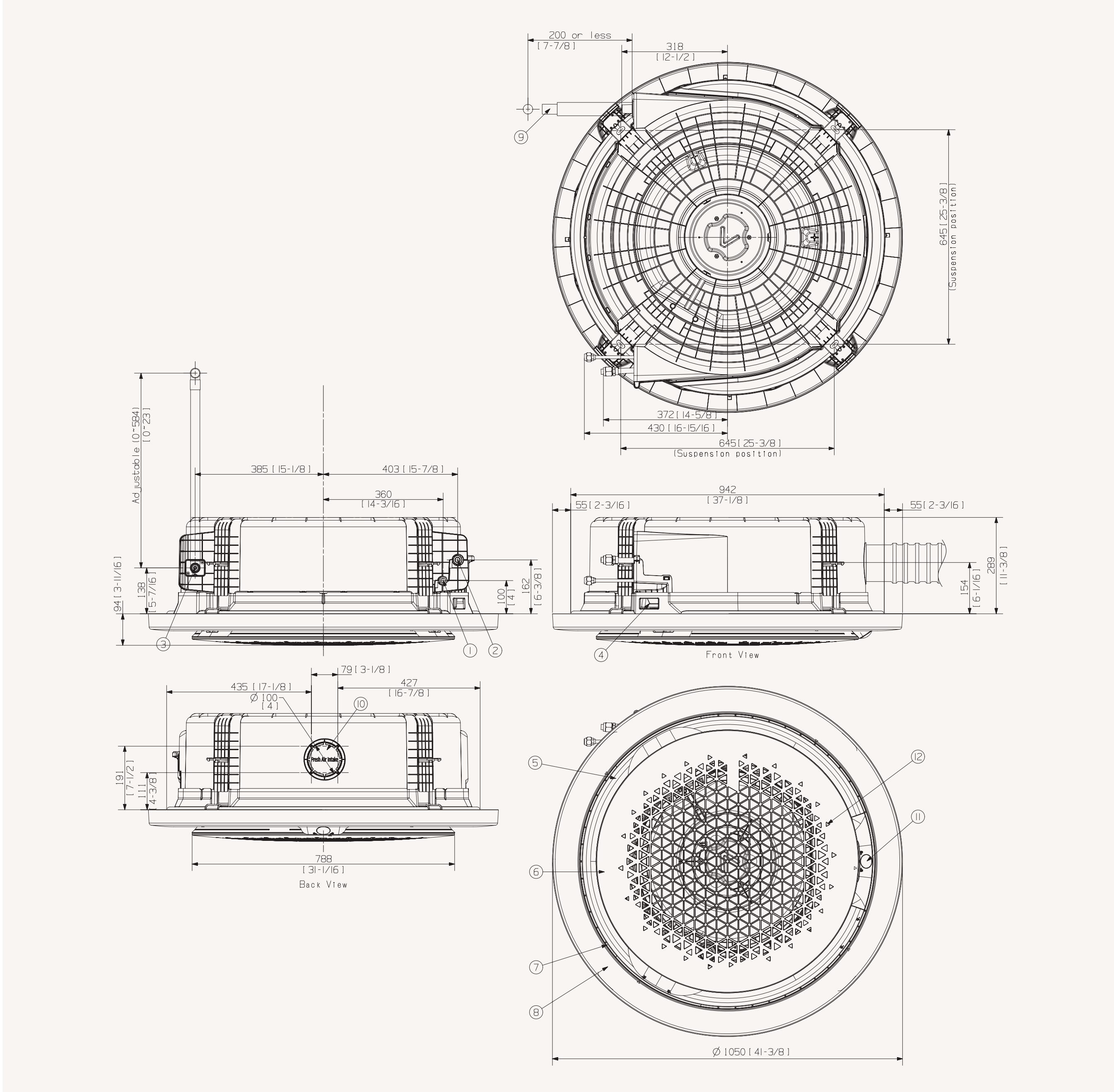
AC071*N4PK*/EU



Pos.	Name	Description
1	Liquid piping	ø 6,35 mm (1/4")
2	Gas piping	ø 15,88 mm (5/8")
3	Condensation drain piping	VP-25 (OD332, ID25)
4	Power supply cables connection / communica-tion	-
5	Air supply	-
6	Air intake	
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Pre-cut hole - external air	ø 100 mm
11	Display	
12	Wireless remote controller receiver	-

360 Cassette (circle)

AC090/100/120/140*N4PK*/EU



Pos.	Name	Description
1	Liquid piping	ø 9.52 mm (3/8")
2	Gas piping	ø 15,88 mm (5/8")
3	Condensation drain piping	VP-25 (OD32, ID25)
4	Power supply cables connection / communica-tion	-
5	Air supply	-
6	Air intake	
7	Booster Fan hollow space	
8	Panel	
9	Condensation drain piping (accessory)	
10	Pre-cut hole - external air	ø 100 mm
11	Display	
12	Wireless remote controller receiver	-

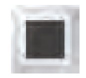
Commercial

Specifications

Wind-Free™ 4-Way Cassette R32 NEW

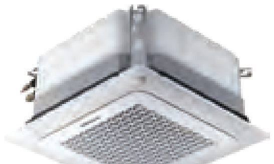
Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC052RN4DKG/EU AC052RXADKG/EU -	AC071RN4DKG/EU AC071RXADKG/EU -	AC100RN4DKG/EU AC100RXADKG/EU AC100RXADNG/EU	AC120RN4DKG/EU AC120RXADKG/EU AC120RXADNG/EU	AC140RN4DKG/EU AC140RXADKG/EU AC140RXADNG/EU
Capacity							
	Cooling (Min/Nominal/Max)	kW	1.00 / 5.00 / 6.50	1.50 / 7.10 / 8.70	3.0 / 10.0 / 12.0	3.5 / 12.0 / 13.5	3.5 / 13.4 / 15.
	Heating up to +7°C (Min/Nominal/Max)	kW	1.00 / 6.00 / 7.00	1.90 / 8.00 / 9.00	2.2 / 11.2 / 15.5	3.5 / 13.2 / 15.5	3.5 / 15.5 / 18.0
	Heating @ -5°C	kW	5.9	7.8	11,00	12.9	15.2
	Heating @ -15°C	kW	5.2	7,00	9.7	11.5	13.5
Performance							
Energy Efficiency Cooling	SEER	W/W	7.6 / A++	6.7 / A++	7.0 / A++	6 / A+	6.6
	Consumption	kWh/a	230	371	500	TBD	-
	Pdesignc	kW	5,0	7.1	10,0	TBD	-
	EER	W/W	3.5	2.98	2.92	2.6	3.16
Energy Efficiency Heating	SCOP	W/W	4.3 / A+	4.2 / A+	4.3 / A++	4.0 / A+	4.3
	Consumption	kWh/a	847	1500	1726	TBD	-
	Pdesignh (average)	kW	2.6	4.5	5.3	TBD	-
	COP	W/W	4.03	3.27	3.61	3.18	3.16
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	40.0	51.0	72.0	72.0	110.0
Sound Power	Indoor Unit	dB(A)	49	53	61	61	61
	Outdoor Unit	dB(A)	62	65	69	70	69
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	29 / 31 / 33	29 / 33 / 36	33 / 39 / 44	35 / 40 / 45	37 / 41 / 45
	Outdoor Unit	dB(A)	48/48	49/51	52 / 54	54 / 56	53 / 54
Fan/ Outdoor unit	Type		BLDC	BLDC	BLDC	BLDC	BLDC
	Power	W	65	65	97	97	97
	Number	EA	1	1	1	1	1
External Static Pressure	Min / Std / Max	Pa					
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data							
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #	-	-	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4
Compressor Type	Outdoor Unit	Type	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.33 / 1.43 / 2.30	0.35 / 2.38 / 3.60	0.60 / 3.42 / 4.70	0.90 / 4.60 / 5.30	0.80 / 4.62 / 6.45
	Heating	kW	0.25 / 1.49 / 2.50	0.35 / 2.45 / 3.95	0.46 / 3.10 / 5.40	0.75 / 4.15 / 5.60	0.70 / 4.90 / 7.36
Current Input	Cooling (Min/Std/Max)	A	1.5 / 6.5 / 9.5	2.0 / 10.3 / 16.0	3.0 / 15.2 / 20.4	4.3 / 20.1 / 24.0	3.7 / 20.0 / 28.0
	Heating (Min/Std/Max)	A	1.5 / 6.8 / 12.0	2.0 / 10.7 / 17.0	2.5 / 13.6 / 23.0	3.7 / 18.2 / 26.0	3.5 / 21.3 / 32.0
	Cooling- Tri-Phase (Min/Std/Max)	A	-	-	1.5 / 5.5 / 7.1	2.1 / 6.8 / 10.0	2.1 / 7.1 / 10.5
	Heating- Tri-Phase (Min/Std/Max)	A	**-**	**-**	**1.2 / 5.1 / 8.4**	**2.1 / 6.3 / 12.0**	**1.9 / 7.3 / 12.0**
Dimensions							
Net Dimensions (W x H x D)	Indoor Unit	mm	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840	840 x 204 x 840
	Outdoor Unit	mm	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330
Net Weight	Indoor Unit	kg	14.5	14.5	14.5	18,0	18,0
	Outdoor Unit	kg	43,0	51,0	75,0	81,0	91.5
Refrigerant							
Refrigerant	Type		R32(Contains fluorinated greenhouse gases. GWP=675)				
	Factory charging	kg	1.2 / 10m	1.7 / 15m	2.7 / 30m	2.7 / 30m	2.9 / 30m
	Charging Ton equivalent CO2	tCO2e	0.81 tCO2e	1.15 tCO2e	1.82 tCO2e	1.82 tCO2e	1.96 tCO2e
	Additional refrigerant charging	g / m	15	25	50	50	50
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4	3 / 8	3 / 8	3 / 8
	Gas Pipe	Φ.inch	1 / 2	5 / 8	5 / 8	5 / 8	5 / 8
Piping Length	Min/ Max	m	3 / 30	3 / 50	50	50	75
Piping Height	Max	m	20	30	30	30	30
Piping Connections	Drain pipe	Φ.mm	VP25 (OD32.ID25)	VP25 (OD32.ID25)	VP25 (OD32.ID25)	VP25 (OD32.ID25)	VP25 (OD32.ID25)
Others							
Panel	Model code		PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Net Dimensions (W x H x D)	mm	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950
	Net Weight	kg	6.3	6.3	6.3	6.3	6.3
Accessoires	Drain pump		included	included	included	included	included
	Max lifting height/ displacement	mm / l/h	750/24	750/24	750/24	750/24	750/24

- 2-StepCooling – FastCooling & Wind-Free™ Cooling.
- Four-way air supply via independently adjustable blades.
- Blade angle between 34° and 68°; Blade width 84mm.
- Built-in humidity sensor.
- High ceiling mode for heights up to 4.6m (12~14 kW), 3.9m (9~10 kW), 3.5m(5.2~7.1kW).
- Built-in condensation drain pump (750 mmH2O).
- SPi Ionizer device (optional).

Accessories				
Individual Controllers (Optional)				Panel (Mandatory)
				
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WE13N	PC4NUFMAN

Commercial

Specifications

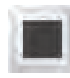


Wind-Free™ 4-Way Cassette (R410A)

- 2-StepCooling – FastCooling & Wind-Free™ Cooling.
- Four-way air supply via independently adjustable blades.
- Blade angle between 34° and 68°; Blade width 84mm.
- Built-in humidity sensor.

- High ceiling mode for heights up to 4.6m (12~14 kW), 3.9m (9~10 kW), 3.5m(5.2~7.1kW).
- Built-in condensation drain pump (750 mmH2O).
- SPi Ionizer device (optional).

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC052NN4DKH/EU AC052MXADKH/EU -	AC071NN4DKH/EU AC071MXADKH/EU -	AC090NN4DKH/EU AC090MXADKH/EU -	AC100NN4DKH/EU AC100MXADKH/EU AC100MXADNH/EU	AC120NN4DKH/EU AC120MXADKH/EU AC120MXADNH/EU	AC140NN4DKH/EU AC140MXADKH/EU AC140MXADNH/EU
Capacity								
	Cooling (Min/Nominal/Max)	kW	1.00 / 5.00 / 6.00	2.20 / 7.10 / 8.00	3.00 / 9.00 / 11.30	3.00 / 10.00 / 12.00	3.50 / 12.00 / 13.50	3.50 / 13.40 / 15.50
	Heating up to +7°C (Min/Nominal/Max)	kW	1.00 / 6.00 / 7.00	1.90 / 8.00 / 9.00	2.20 / 10.00 / 13.90	2.20 / 11.20 / 15.50	3.50 / 13.00 / 15.50	3.50 / 15.50 / 18.00
	Heating @ -5°C	kW	5.88	7.84	9.8	10.98	12.74	15.19
	Heating @ -15°C	kW	5.22	6.96	8.7	9.74	11.31	13.49
Performance								
Energy Efficiency Cooling	SEER	W/W	6.9 / A++	6.2 / A++	6.8 / A++	6.8 / A++	5.7 / A+	5.8 / A+
	Consumption	kWh/a	254	401	463	515	737	-
	Pdesignc	kW	5,0	7,1	9,0	10,0	12,0	-
	EER	W/W	3.47	2.81	3.27	3.21	2.55	3.01
Energy Efficiency Heating	SCOP	W/W	4.3 / A+	4.1 / A+	4.3 / A+	4.3 / A+	4.1 / A+	4.0 / A+
	Consumption	kWh/a	847	1537	2051	2051	2527	-
	Pdesignh (average)	kW	2.6	4.5	6.3	6.3	7.4	-
	COP	W/W	4.03	3.33	3.7	3.61	3.42	3.41
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	15.00	19.5	30.0	31.0	32.0	32.0
Sound Power	Indoor Unit	dB(A)	49	53	60	61	61	61
	Outdoor Unit	dB(A)	62	65	68	69	70	69
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	29 / 31 / 33	29 / 33 / 36	33 / 38 / 43	33 / 39 / 44	35 / 40 / 45	37 / 41 / 45
	Outdoor Unit	dB(A)	48 / 48	49 / 51	52 / 53	52 / 54	54 / 56	53 / 54
Fan/ Outdoor unit	Type		Turbo	Turbo	Turbo	Turbo	Turbo	Turbo
	Power	W	65	65	97	97	97	97
	Number	EA	1	1	1	1	1	1
External Static Pressure	Min / Std / Max	Pa						
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data								
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #	-	-	-	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4
Compressor Type	Outdoor Unit	Type	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.33 / 1.44 / 2.10	0.35 / 2.53 / 3.95	0.60 / 2.75 / 4.46	0.60 / 3.12 / 4.70	0.90 / 4.70 / 5.30	0.80 / 4.45 / 6.44
	Heating	kW	0.25 / 1.49 / 1.90	0.35 / 2.40 / 3.95	0.46 / 2.70 / 5.20	0.46 / 3.10 / 5.40	0.75 / 3.80 / 5.50	0.70 / 4.54 / 7.36
Current Input	Cooling (Min/Std/Max)	A	1.5 / 6.5 / 9.5	2.0 / 11.2 / 17.0	3.0 / 12.0 / 19.4	3.0 / 13.6 / 20.4	4.3 / 21.1 / 23.0	3.7 / 20.0 / 28.0
	Heating (Min/Std/Max)	A	1.5 / 6.8 / 8.6	2.0 / 10.7 / 17.0	2.5 / 11.6 / 22.7	2.5 / 13.6 / 23.0	3.7 / 17.1 / 24.0	3.5 / 19.5 / 32.0
	Cooling- Tri-Phase (Min/Std/Max)	A	-	-	-	1.50 / 4.80 / 7.10	2.10 / 7.30 / 12.00	2.10 / 7.00 / 12.00
	Heating- Tri-Phase (Min/Std/Max)	A	-	-	-	1.20 / 4.80 / 8.40	2.10 / 5.90 / 12.00	1.90 / 7.00 / 12.00
Dimensions								
Net Dimensions (W x H x D)	Indoor Unit	mm	840 x 204 x 840	840 x 204 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Outdoor Unit	mm	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330
Net Weight	Indoor Unit	kg	15,0	15,0	18,0	18,0	18,0	20,0
	Outdoor Unit	kg	43.8	53,0	72,0	72,0	77,0	87,0
Refrigerant								
Refrigerant	Type		R410A(Contains fluorinated greenhouse gases. GWP=2.088)					
	Factory charging	kg	1.30 / 5m	1.50 / 5m	3 / 30m	3 / 30m	3 / 30m	3.4 / 30m
	Charging Ton equivalent CO2	tCO2e	2.72 tCO2e	3.14 tCO2e	6.26 tCO2e	6.26 tCO2e	6.26 tCO2e	7.1 tCO2e
	Additional refrigerant charging	g / m	10	20	50	50	50	50
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4	3 / 8	3 / 8	3 / 8	3 / 8
	Gas Pipe	Φ.inch	1 / 2	5 / 8	5 / 8	5 / 8	5 / 8	5 / 8
Piping Length	Min/ Max	m	30	50	50	50	50	75
Piping Height	Max	m	20	30	30	30	30	30
Piping Connections	Drain pipe	Φ.mm	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)
Others								
Panel	Model code		PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN	PC4NUFMAN
	Net Dimensions (W x H x D)	mm	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950	950 x 48 x 950
	Net Weight	kg	6.3	6.3	6.3	6.3	6.3	6.3
Accessories	Drain pump		inclus	inclus	inclus	inclus	inclus	inclus
	Max lifting height/ displacement	mm / l/h	750/24	750/24	750/24	750/24	750/24	750/24

Accessories				
Individual Controllers (Optional)				Panel (Mandatory)
				
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WE13N	PC4NUFMAN

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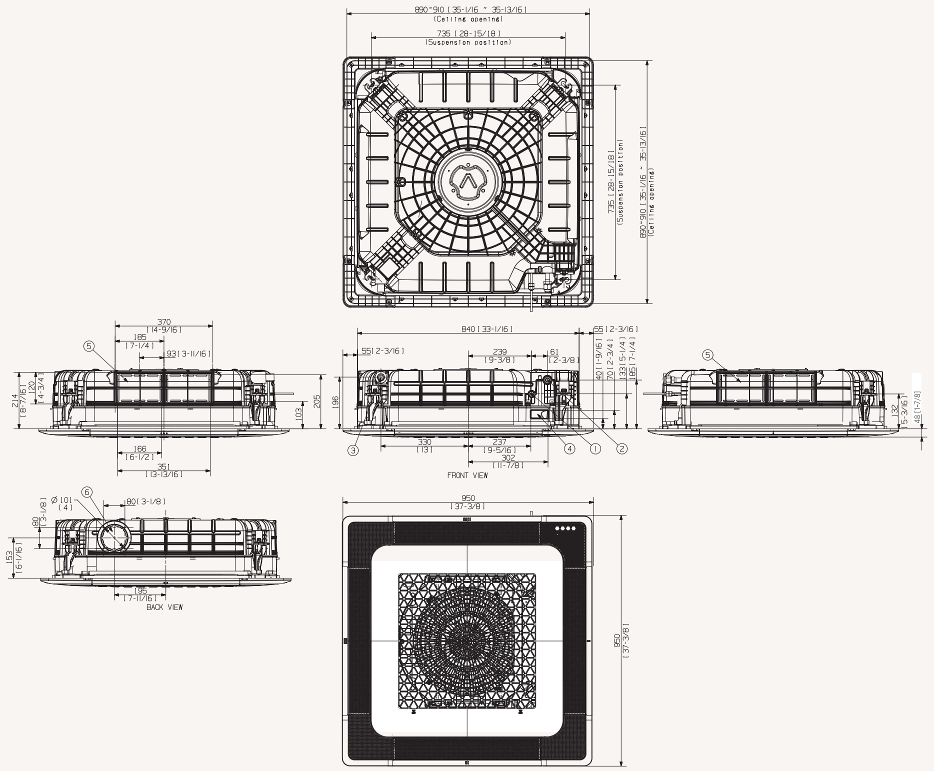
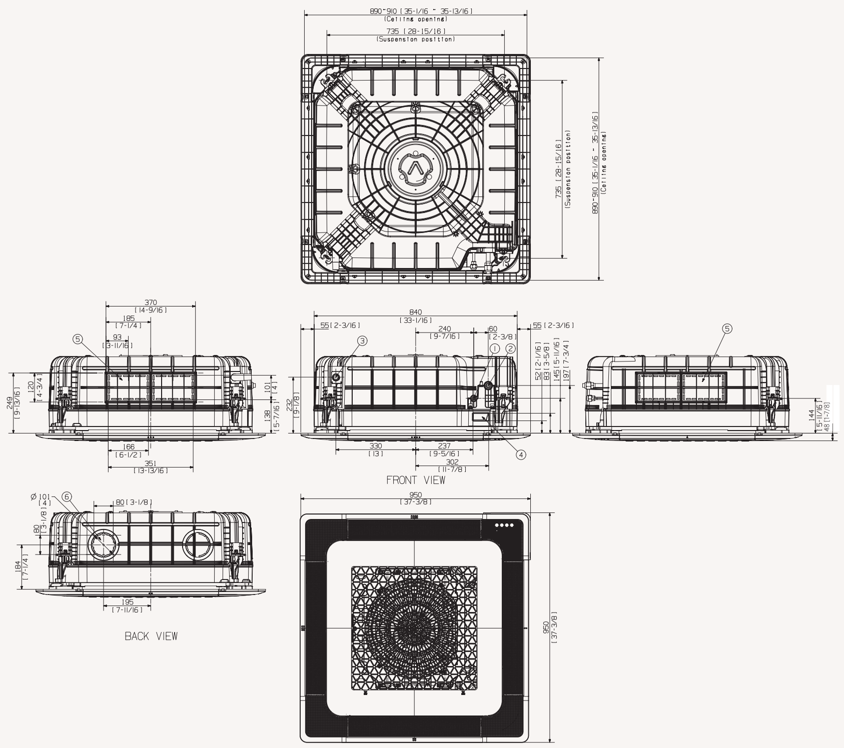
Dimensional Drawings

Wind-Free™ 4-Way Cassette

AC052/071*N4DK*/EU

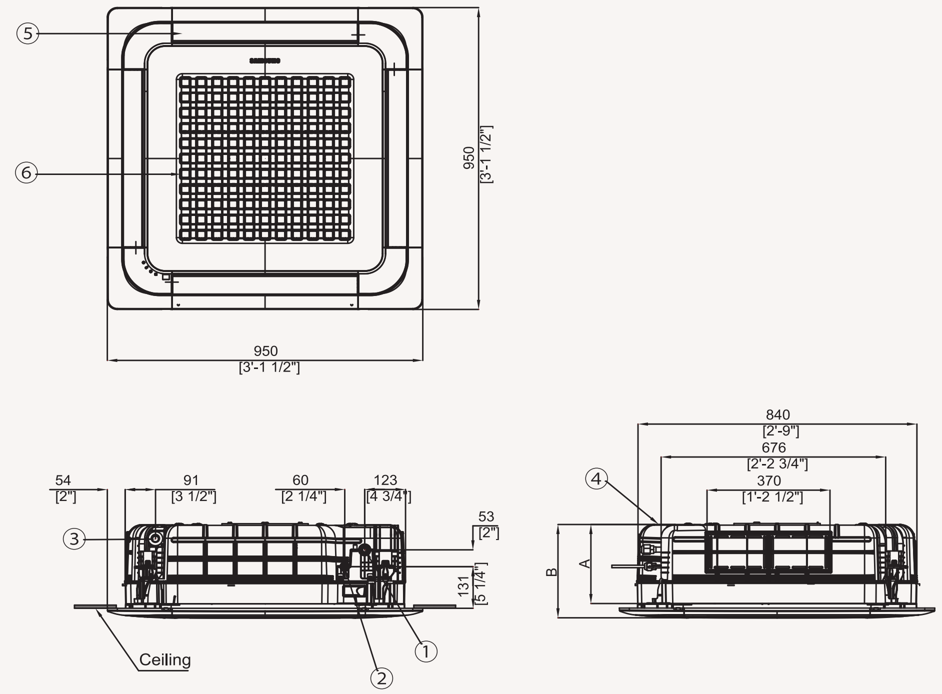


AC090/100/120/140*N4DK*/EU



Wind-Free™ 4-Way Cassette

AC071JN4CEH/EU, AC100JN4CEH/EU, AC125JN4CEH/EU



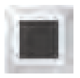
Specifications

Wind-Free™ Mini 4-Way Cassette R32 NEW

Indoor Unit / Outdoor Unit- Mono-Phase / Outdoor Unit- Tri-Phase			AC026RNNDKG/EU AC026RXADKG/EU	AC035RNNDKG/EU AC035RXADKG/EU	AC052RNNDKG/EU AC052RXADKG/EU	AC071RNNDKG/EU AC071RXADKG/EU
Capacity						
	Cooling (Min/Nominal/Max)	kW	0.87 / 2.60 / 4.10	0.88 / 3.50 / 4.50	1.30 / 5.00 / 6.20	1.50 / 6.80 / 8.30
	Heating up to +7°C (Min/Nominal/Max)	kW	0.98 / 3.40 / 4.10	1.00 / 4.00 / 4.80	1.30 / 5.50 / 7.50	1.90 / 7.50 / 9.00
	Heating @ -5°C	kW	3.3	3.9	5.4	7.4
	Heating @ -15°C	kW	3,00	3.5	4.8	6.5
Performance						
Energy Efficiency Cooling	SEER	W/W	7.1 / A++	7.0 / A++	6.7 / A++	6.1 / A++
	Consumption	kWh/a	128	175	261	390
	Pdesignc	kW	2.6	3.5	5,0	6.8
	EER	W/W	3.88	3.4	3.27	2.47
Energy Efficiency Heating	SCOP	W/W	4.3 / A+	4.3 / A+	4.2 / A+	3.8 / A
	Consumption	kWh/a	684	684	800	1474
	Pdesignh (average)	kW	2.1	2.1	2.4	4,0
	COP	W/W	3.69	3.33	3.62	2.68
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	30.0	30.0	40.0	51.0
Sound Power	Indoor Unit	dB(A)	48	50	56	58
	Outdoor Unit	dB(A)	59	61	62	65
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	25 / 28 / 31	25 / 30 / 34	29 / 34 / 39	36 / 39 / 42
	Outdoor Unit	dB(A)	46/47	48/48	48/48	49/51
Fan/ Outdoor unit	Type		Turbo	Turbo	Turbo	Turbo
	Power	W	65	65	65	65
	Number	EA	1	1	1	1
External Static Pressure	Min / Std / Max	Pa				
Operating Temp. Range	Cooling	°C	-15 ~ 46	-15 ~ 46	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data						
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #				
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC	Twin BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.16 / 0.67 / 1.20	0.18 / 1.03 / 1.40	0.31 / 1.53 / 2.10	0.35 / 2.75 / 3.60
	Heating	kW	0.20 / 0.92 / 1.45	0.19 / 1.20 / 1.80	0.35 / 1.52 / 2.40	0.35 / 2.80 / 3.95
Current Input	Cooling (Min/Std/Max)	A	1.3 / 3.5 / 5.5	1.4 / 5.0 / 6.0	2.6 / 7.0 / 9.5	2.0 / 12.0 / 16.0
	Heating (Min/Std/Max)	A	1.3 / 4.6 / 7.0	1.3 / 5.7 / 10.5	2.9 / 7.0 / 11.0	2.0 / 12.0 / 17.0
	Cooling- Tri-Phase (Min/Std/Max)	A				
	Heating- Tri-Phase (Min/Std/Max)	A				
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310
Net Weight	Indoor Unit	kg	11.5	11.5	12,0	12,0
	Outdoor Unit	kg	32.5	32.5	43,0	51,0
Refrigerant						
Refrigerant	Type		R32(Contains fluorinated greenhouse gases. GWP=675)			
	Factory charging	kg	0.9 / 20m	0.9 / 20m	1.2 / 10m	1.7 / 15m
	Charging Ton equivalent CO2	tCO2e	0.61 tCO2e	0.61 tCO2e	0.81 tCO2e	1.15 tCO2e
	Additional refrigerant charging	g / m	-	-	15	25
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4	1 / 4	1 / 4
	Gas Pipe	Φ.inch	3 / 8	3 / 8	1 / 2	5 / 8
Piping Length	Min/ Max	m	3 / 20	3 / 20	3 / 30	3 / 50
Piping Height	Max	m	15	15	20	30
Piping Connections	Drain pipe	Φ.mm	ID 18	ID 18	ID 18	ID 18
Others						
Panel	Model code		PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Net Dimensions (W x H x D)	mm	620 x 46 x 620	620 x 46 x 620	620 x 46 x 620	620 x 46 x 620
	Net Weight	kg	2.7	2.7	2.7	2.7
Accessoires	Drain pump		included	included	included	included
	Max lifting height/ displacement	mm / l/h	750/24	750/24	750/24	750/24

- 2-StepCooling – FastCooling & Wind-Free™ Cooling.
- Four-way air supply via independently adjustable blades.
- Blade angle between 32° and 75°; Blade width 66mm.

- Built-in humidity sensor.
- Built-in condensation drain pump (750 mmH2O).

Accessories				
Individual Controllers (Optional)				Panel (Mandatory)
				
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WE13N	PC4SUFMAN

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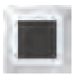
Specifications

Wind-Free™ Mini 4-Way Cassette (R410A)

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC026NNNDKH/EU AC026MXADKH/EU	AC035NNNDKH/EU AC035MXADKH/EU	AC052NNNDKH/EU AC052MXADKH/EU	AC060NNNDKH/EU AC060MXADKH/EU	AC071NNNDKH/EU AC071MXADKH/EU
Capacity							
	Cooling (Min/Nominal/Max)	kW	1.00 / 2.60 / 3.40	1.00 / 3.50 / 4.00	1.30 / 5.00 / 5.90	1.80 / 5.80 / 6.50	2.20 / 6.80 / 8.00
	Heating up to +7°C (Min/Nominal/Max)	kW	0.98 / 3.40 / 4.10	1.00 / 4.00 / 4.80	1.30 / 5.50 / 7.50	1.60 / 7.00 / 9.00	1.90 / 7.50 / 9.00
	Heating @ -5°C	kW	3.33	3.92	5.39	6.86	7.35
	Heating @ -15°C	kW	2.96	3.48	4.79	6.09	6.53
Performance							
Energy Efficiency Cooling	SEER	W/W	6.9 / A++	6.8 / A++	6.5 / A++	6.2 / A++	6.0 / A+
	Consumption	kWh/a	132	180	269	327	397
	Pdesignc	kW	2.6	3.5	5,0	5.8	6.8
	EER	W/W	3.82	3.21	3.27	2.7	2.5
Energy Efficiency Heating	SCOP	W/W	4.3 / A+	4.3 / A+	4.1 / A+	4.0 / A+	3.8 / A
	Consumption	kWh/a	684	684	888	910	1474
	Pdesignh (average)	kW	2.1	2.1	2.6	2.6	4,0
	COP	W/W	3.78	3.33	3.62	3.02	2.68
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	8.0	9.2	10.5	11.0	11.5
Sound Power	Indoor Unit	dB(A)	48	50	56	56	58
	Outdoor Unit	dB(A)	59	61	62	62	65
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	25 / 28 / 31	25 / 30 / 34	29 / 34 / 39	32 / 37 / 41	36 / 39 / 42
	Outdoor Unit	dB(A)	46 / 47	48 / 48	48 / 48	49 / 49	49 / 51
Fan/ Outdoor unit	Type		Turbo	Turbo	Turbo	Turbo	Turbo
	Power	W	65	65	65	65	65
	Number	EA	1	1	1	1	1
External Static Pressure	Min / Std / Max	Pa					
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data							
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #					
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC	Twin BLDC	Twin BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.24 / 0.68 / 1.20	0.24 / 1.09 / 1.50	0.31 / 1.53 / 2.10	0.38 / 2.15 / 2.60	0.35 / 2.72 / 3.95
	Heating	kW	0.20 / 0.90 / 1.45	0.19 / 1.20 / 1.80	0.35 / 1.52 / 2.40	0.35 / 2.32 / 3.60	0.35 / 2.80 / 3.95
Current Input	Cooling (Min/Std/Max)	A	1.6 / 3.8 / 5.5	1.6 / 5.6 / 7.5	2.6 / 6.9 / 9.5	1.9 / 9.3 / 11.5	2.0 / 11.8 / 17.0
	Heating (Min/Std/Max)	A	1.3 / 4.8 / 7.0	1.3 / 5.8 / 10.5	2.9 / 6.9 / 11.0	1.7 / 10.0 / 17.3	2.0 / 12.3 / 17.0
	Cooling- Tri-Phase (Min/Std/Max)	A					
	Heating- Tri-Phase (Min/Std/Max)	A					
Dimensions							
Net Dimensions (W x H x D)	Indoor Unit	mm	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575	575 x 250 x 575
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 638 x 310	880 x 798 x 310
Net Weight	Indoor Unit	kg	11.4	11.4	11.6	11.6	11.8
	Outdoor Unit	kg	32.8	32.8	43.8	43.8	53,0
Refrigerant							
Refrigerant	Type		R410A (gaz à effet de serre fluorés. PRG=2.088)				
	Factory charging	kg	1.05 / 20m	1.05 / 20m	1.30 / 5m	1.30 / 5m	1.50 / 5m
	Charging Ton equivalent CO2	tCO2e	2.20 tCO2e	2.20 tCO2e	2.72 tCO2e	2.72 tCO2e	3.14 tCO2e
	Additional refrigerant charging	g / m	-	-	10	10	20
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4	1 / 4	1 / 4	1 / 4
	Gas Pipe	Φ.inch	3 / 8	3 / 8	1 / 2	1 / 2	5 / 8
Piping Length	Min/ Max	m	20	20	30	30	50
Piping Height	Max	m	15	15	20	20	30
Piping Connections	Drain pipe	Φ.mm	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)
Others							
Panel	Model code		PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN	PC4SUFMAN
	Net Dimensions (W x H x D)	mm	620 x 46 x 620	620 x 46 x 620	620 x 46 x 620	620 x 46 x 620	620 x 46 x 620
	Net Weight	kg	2.7	2.7	2.7	2.7	2.7
Accessoires	Drain pump		inclus	inclus	inclus	inclus	inclus
	Max lifting height/ displacement	mm / l/h	750/24	750/24	750/24	750/24	750/24

- 2-StepCooling – FastCooling & Wind-Free™ Cooling.
- Four-way air supply via independently adjustable blades.
- Blade angle between 32° and 75°; Blade width 66mm.
- Built-in humidity sensor.
- Built-in condensation drain pump (750 mmH2O).

Accessories				
Individual Controllers (Optional)				Panel (Mandatory)
				
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WE13N	PC4SUFMAN

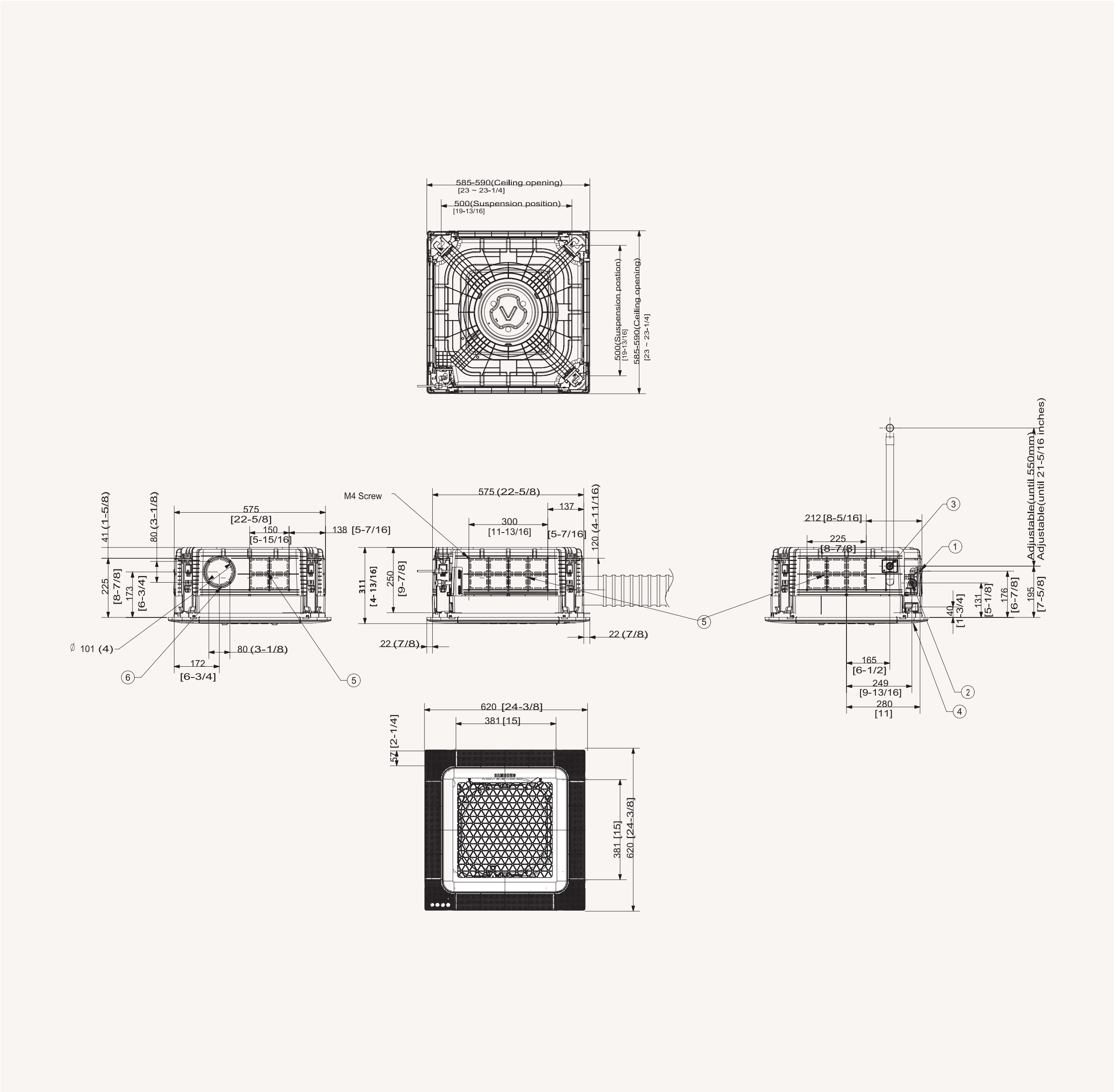
Commercial

Commercial

Dimensional Drawings

Wind-Free™ Mini 4-Way Cassette

AC026/035/052/060/071*NNDK*/EU



Commercial

Specifications

Wind-Free™ 1-Way Cassette R32 NEW

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC026RN1DKG/EU AC026RXADKG/EU	AC035RN1DKG/EU AC035RXADKG/EU
Capacity				
	Cooling (Min/Nominal/Max)	kW	0.82 / 2.60 / 3.80	0.85 / 3.50 / 4.20
	Heating up to +7°C (Min/Nominal/Max)	kW	0.98 / 3.30 / 4.40	1.00 / 4.00 / 5.00
	Heating @ -5°C	kW	3.2	3.9
	Heating @ -15°C	kW	2.9	2.8
Performance				
Energy Efficiency Cooling	SEER	W/W	6.4 / A++	6.2 / A++
	Consumption	kWh/a	142	198
	Pdesignc	kW	2.6	3.5
	EER	W/W	3.61	3.21
Energy Efficiency Heating	SCOP	W/W	4.0 / A+	4.0 / A+
	Consumption	kWh/a	700	700
	Pdesignh (average)	kW	2,0	2,0
	COP	W/W	3.26	3.12
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	7.3 / 6.5 / 5.8	9.0 / 8.2 / 7.2
Sound Power	Indoor Unit	dB(A)	52	55
	Outdoor Unit	dB(A)	59	61
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	25 /26 / 29 / 32	28 / 29 / 32 / 35
	Outdoor Unit	dB(A)	46 / 47	48 / 48
Fan/ Outdoor unit	Type		Crossflow Fan	Crossflow Fan
	Power	W	27	27
	Number	EA	1	1
External Static Pressure	Min / Std / Max	Pa		
Operating Temp. Range	Cooling	°C	-15 ~ 46	-15 ~ 46
	Heating	°C	-20 ~ 24	-20 ~ 24
Electrical Data				
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #		
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.17 / 0.72 / 1.16	0.18 / 1.09 / 1.40
	Heating	kW	0.20 / 1.01 / 1.45	0.19 / 1.28 / 1.80
Current Input	Cooling (Min/Std/Max)	A	1.2 / 3.8 / 5.4	1.6 / 5.3 / 7.5
	Heating (Min/Std/Max)	A	1.4 / 5.0 / 7.0	1.3 / 6.2 / 10.5
	Cooling- Tri-Phase (Min/Std/Max)	A		
	Heating- Tri-Phase (Min/Std/Max)	A		
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	970 x 135 x 410	970 x 135 x 410
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	9.2	9.2
	Outdoor Unit	kg	32.5	32.5
Refrigerant				
Refrigerant	Type		R32(Contains fluorinated greenhouse gases. GWP=675)	
	Factory charging	kg	0.9 / 20m	0.9 / 20
	Charging Ton equivalent CO2	tCO2e	0.61 tCO2e	0.61 tCO2e
	Additional refrigerant charging	g / m	-	-
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4
	Gas Pipe	Φ.inch	3 / 8	3 / 8
Piping Length	Min/ Max	m	3 / 20	3 / 20
Piping Height	Max	m	15	15
Piping Connections	Drain pipe	Φ.mm	ID 18	ID 18
Others				
Panel	Model code		PC1NWFMAN	PC1NWFMAN
	Net Dimensions (W x H x D)	mm	1198 x 35 x 500	1198 x 35 x 500
	Net Weight	kg	4.3	4.3
Accessoires	Drain pump		included	included
	Max lifting height/ displacement	mm / l/h	750/24	750/24

- 2-StepCooling – FastCooling & Wind-Free™ Cooling.
- Blade angle between 37° and 87°, Blade width 100mm.
- Built-in humidity sensor.

- Height of only 135 mm.
- Built-in condensation drain pump (750 mmH2O).

Accessories					
Individual Controllers (Optional)				Others (Optional)	
					
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WE13N	PC1NWFMAN	MRW-TA

Specifications

1-Way Cassette (R410A)

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC026MN1DKH/EU AC026MXADKH/EU	AC035MN1DKH/EU AC035MXADKH/EU
Capacity				
	Cooling (Min/Nominal/Max)	kW	0.96 / 2.60 / 3.50	1.00 / 3.50 / 4.10
	Heating up to +7°C (Min/Nominal/Max)	kW	0.98 / 3.30 / 4.40	1.00 / 4.00 / 5.00
	Heating @ -5°C	kW	3.2	3.9
	Heating @ -15°C	kW	2.9	3.5
Performance				
Energy Efficiency Cooling	SEER	W/W	6.2 / A++	6.1 / A++
	Consumption	kWh/a	147	201
	Pdesignc	kW	2.6	3.5
	EER	W/W	3.61	3.21
Energy Efficiency Heating	SCOP	W/W	4.0 / A+	4.0 / A+
	Consumption	kWh/a	700	700
	Pdesignh (average)	kW	2,0	2,0
	COP	W/W	3.44	2.88
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	29.0	30.0
Sound Power	Indoor Unit	dB(A)	52	55
	Outdoor Unit	dB(A)	59	61
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	23/24/27/30	26/27/30/33
	Outdoor Unit	dB(A)	46 / 47	48 / 48
Fan/ Outdoor unit	Type		Crossflow	Crossflow
	Power	W	17	17
	Number	EA	1	1
External Static Pressure	Min / Std / Max	Pa		
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24
Electrical Data				
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #		
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.25 / 0.72 / 1.20	0.24 / 1.09 / 1.50
	Heating	kW	0.20 / 0.96 / 1.45	0.19 / 1.39 / 1.80
Current Input	Cooling (Min/Std/Max)	A	1.6 / 4.1 / 5.4	1.6 / 5.6 / 7.5
	Heating (Min/Std/Max)	A	1.4 / 4.9 / 7.0	1.3 / 6.2 / 10.5
	Cooling- Tri-Phase (Min/Std/Max)	A		
	Heating- Tri-Phase (Min/Std/Max)	A		
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	970 x 135 x 410	970 x 135 x 410
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	9.5	9.5
	Outdoor Unit	kg	32.8	32.8
Refrigerant				
Refrigerant	Type		R410A(Contains fluorinated greenhouse gases. GWP=2.088)	
	Factory charging	kg	1.05 / 20m	1.05 / 20m
	Charging Ton equivalent CO2	tCO2e	2.19 tCO2e	2.19 tCO2e
	Additional refrigerant charging	g / m	-	-
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4
	Gas Pipe	Φ.inch	3 / 8	3 / 8
Piping Length	Min/ Max	m	20	20
Piping Height	Max	m	15	15
Piping Connections	Drain pipe	Φ.mm	OD 26 / ID 20	OD 26 / ID 20
Others				
Panel	Model code		PC1NUSMAN	PC1NUSMAN
	Net Dimensions (W x H x D)	mm	1180 x 25 x 460	1180 x 25 x 460
	Net Weight	kg	3.1	3.1
Accessoires	Drain pump		inclus	inclus
	Max lifting height/ displacement	mm / l/h	750/24	750/24

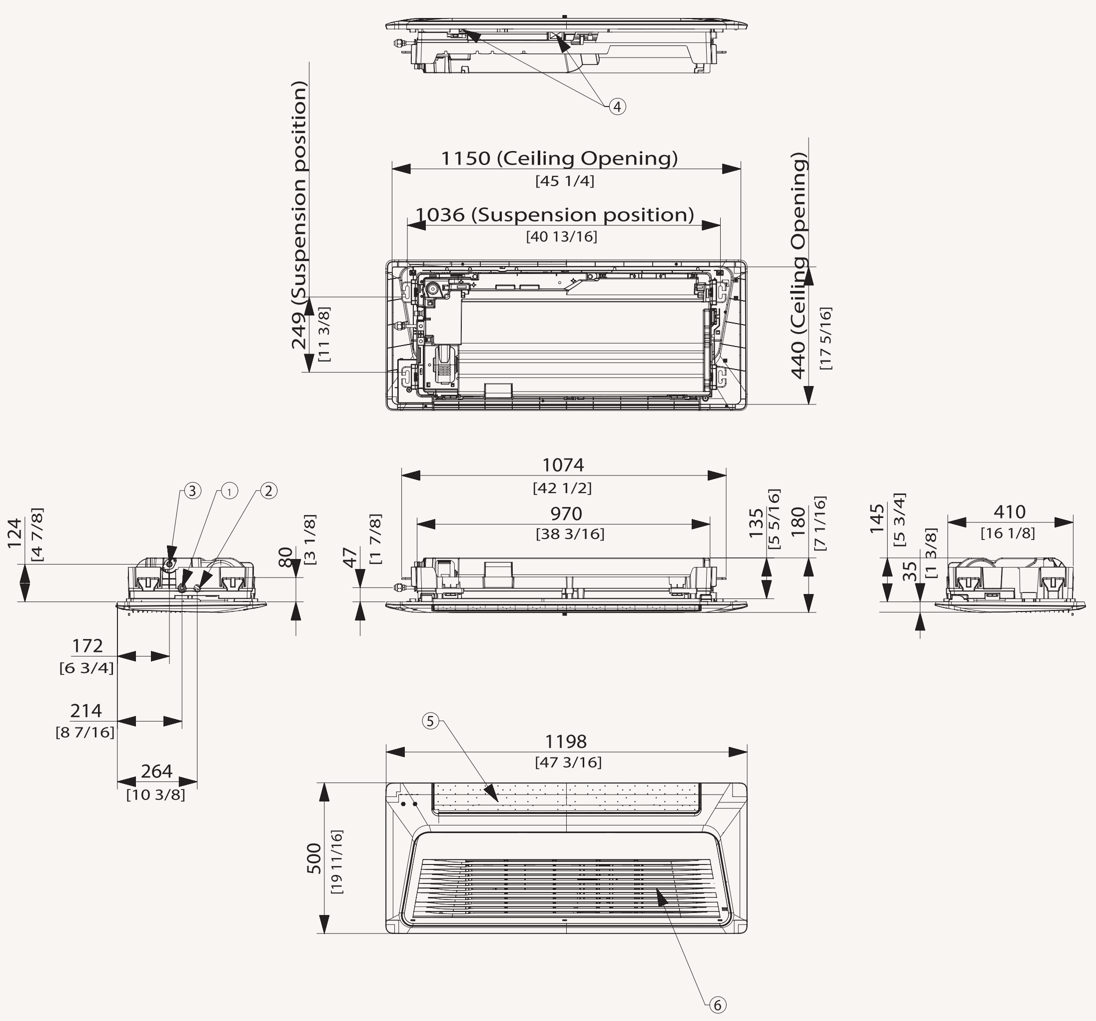
- One-way air supply by means of a 100mm width blade
- Adjustable blade angle between 40° and 80 °.
- Height of only 135 mm.
- Built-in condensation drain pump (750 mmH2O).
- Compatible with Wi-Fi Kit controller.

Accessories					
Individual Controllers (Optional)				Others (Optional)	
					
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WE13N	PC1NUSMAN	MRW-TA

Dimensional Drawings

Wind-Free™ 1-Way Cassette

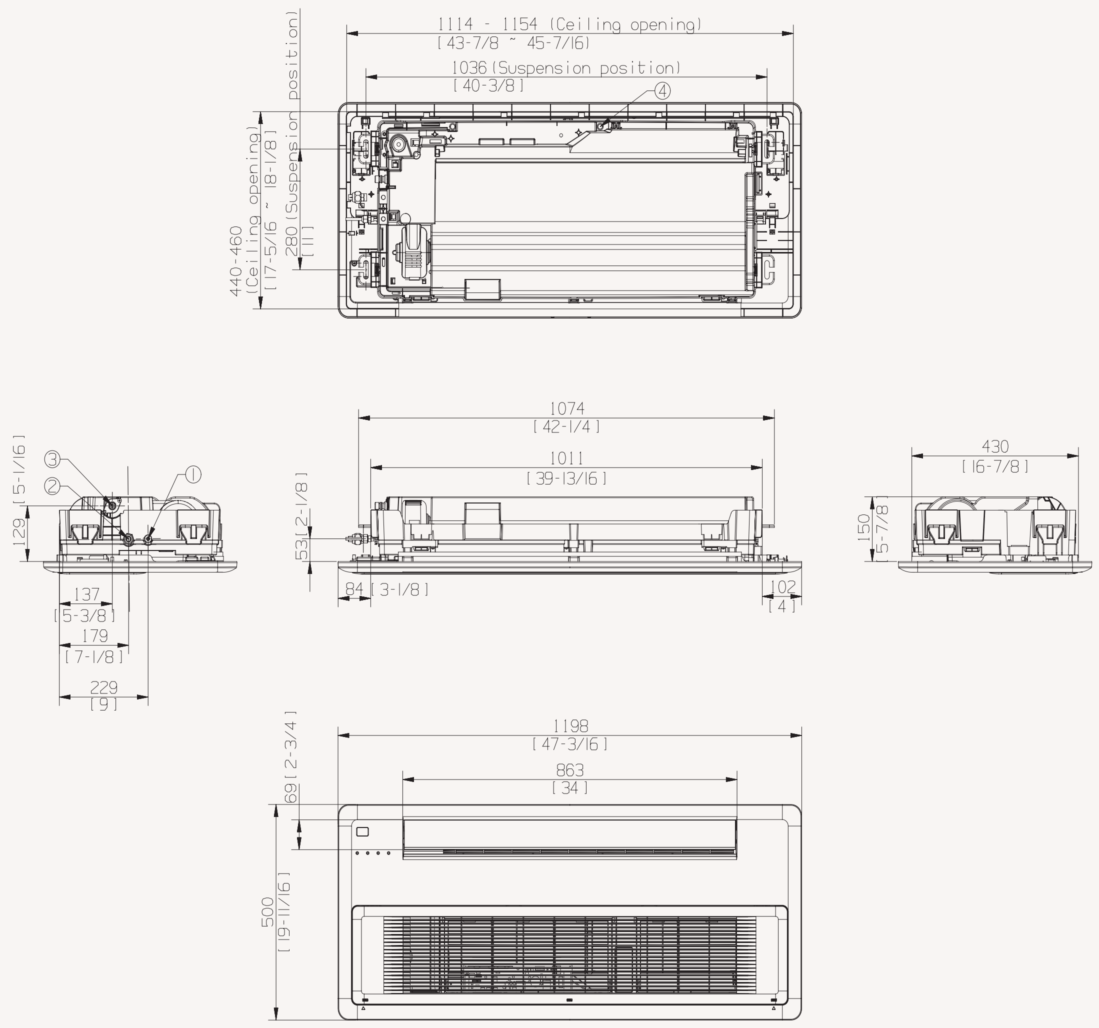
AC0026/035RN1DKG/EU



No.	Name	Description
1	Gas pipe connection	Ø9.52 (3/8")
2	Liquid pipe connection	Ø6.35 (1/4")
3	Drain hose connection	VP20 (OD26, ID20)
4	Power supply/Communication wiring conduit	-
5	Air outlet louver	-
6	Air inlet grille	-

1-Way Cassette

AC026/035MN1DKH/EU



No.	Name	Description
1	Liquid pipe connection	Φ6.35(1/4)
2	Gas pipe connectionn	Φ9.52(3/8)
3	Drain pipe connection	VP-20(OD26, ID20)
4	Power supply & Communication wiring conduit	-

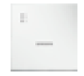
Commercial

Specifications

LSP Duct R32 NEW

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC026RNLDKG/EU AC026RXADKG/EU	AC035RNLDKG/EU AC035RXADKG/EU	AC052RNLDKG/EU AC052RXADKG/EU	AC071RNLDKG/EU AC071RXADKG/EU
Capacity						
	Cooling (Min/Nominal/Max)	kW	0.80 / 2.60 / 3.80	0.85 / 3.50 / 4.30	1.20 / 5.00 / 6.50	1.50 / 7.10 / 8.70
	Heating up to +7°C (Min/Nominal/Max)	kW	0.98 / 3.30 / 4.30	1.00 / 4.00 / 5.00	1.10 / 6.00 / 7.20	1.90 / 8.00 / 9.00
	Heating @ -5°C	kW	3.2	3.9	5.9	7.8
	Heating @ -15°C	kW	2.9	3.5	5.2	7.0
Performance						
Energy Efficiency Cooling	SEER	W/W	6.2 / A++	6.1 / A++	6.1 / A++	6.0 / A+
	Consumption	kWh/a	147	201	287	414
	Pdesignc	kW	2.6	3.5	5,0	7.1
	EER	W/W	3.82	3.12	2.96	2.98
Energy Efficiency Heating	SCOP	W/W	4.0 / A+	4.0 / A+	3.9 / A	3.9 / A
	Consumption	kWh/a	700	700	862	1328
	Pdesignh (average)	kW	2,0	2,0	2.4	3.7
	COP	W/W	3.79	3.31	3.45	3.36
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	9.0 / 8.2 / 7.4	9.5 / 8.5 / 7.5	13.5 / 11.5 / 9.5	19.0 / 14.5 / 10.0
Sound Power	Indoor Unit	dB(A)	53	53	55	59
	Outdoor Unit	dB(A)	59	61	62	65
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	26 / 29 / 32	27 / 30 / 33	27 / 30 / 33	27 / 32 / 37
	Outdoor Unit	dB(A)	46/47	48/48	48/48	49/51
Fan/ Outdoor unit	Type		Sirocco	Sirocco	Sirocco	Sirocco
	Power	W	153	153	153	153
	Number	EA	2	2	3	3
External Static Pressure	Min / Std / Max	Pa	0 / 25 / 39	0 / 25 / 39	0 / 29 / 39	0 / 29 / 39
Operating Temp. Range	Cooling	°C	-15 ~ 46	-15 ~ 46	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data						
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #				
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC	Twin BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.19 / 0.68 / 1.20	0.20 / 1.12 / 1.40	0.35 / 1.69 / 2.20	0.35 / 2.38 / 3.60
	Heating	kW	0.20 / 0.87 / 1.45	0.19 / 1.21 / 1.80	0.26 / 1.74 / 2.70	0.35 / 2.38 / 3.95
Current Input	Cooling (Min/Std/Max)	A	1.5 / 3.6 / 5.5	1.6 / 5.4 / 6.5	2.1 / 7.7 / 10.0	2.0 / 10.5 / 16.0
	Heating (Min/Std/Max)	A	1.3 / 4.5 / 7.0	1.3 / 5.8 / 10.5	1.7 / 7.8 / 12.0	2.0 / 10.4 / 17.0
	Cooling- Tri-Phase (Min/Std/Max)	A				
	Heating- Tri-Phase (Min/Std/Max)	A				
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	700 x 199 x 600	700 x 199 x 600	1100 x 200 x 450	1100 x 200 x 450
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310
Net Weight	Indoor Unit	kg	19,0	19,0	23.5	23.5
	Outdoor Unit	kg	32.5	32.5	43,0	51,0
Refrigerant						
Refrigerant	Type		R32(Contains fluorinated greenhouse gases. GWP=675)			
	Factory charging	kg	0.9 / 20m	0.9 / 20m	1.2 / 10m	1.7 / 15m
	Charging Ton equivalent CO2	tCO2e	0.61 tCO2e	0.61 tCO2e	0.81 tCO2e	1.15 tCO2e
	Additional refrigerant charging	g / m	-	-	15	25
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4	1 / 4	1 / 4
	Gas Pipe	Φ.inch	3 / 8	3 / 8	1 / 2	5 / 8
Piping Length	Min/ Max	m	3 / 20	3 / 20	3 / 30	3 / 50
Piping Height	Max	m	15	15	20	30
Piping Connections	Drain pipe	Φ.mm	VP25 (OD32.ID25)	VP25 (OD32.ID25)	VP25 (OD32.ID25)	VP25 (OD32.ID25)
Others						
Panel	Model code					
	Net Dimensions (W x H x D)	mm				
	Net Weight	kg				
Accessories	Drain pump		MDP-E075SEE3D	MDP-E075SEE3D	MDP-G075SP	MDP-G075SP
	Max lifting height/ displacement	mm / l/h	750/24	750/24	750/24	750/24

- Fan with inverter motor; prevalence adjustable up to 40Pa; thickness of just 200mm
- 750 mmH2O condensation drain pump (optional); antibacterial filter included

Accessories							
Drain Pump (Optional)		Individual Controllers (Optional)				Others (Optional)	
							
MDP-E075S-EE3D	MDP-G075SP	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WE13N	MIM-H03N	MRK-A10N (to be matched with AR-EH03E)	MRW-TA

Commercial

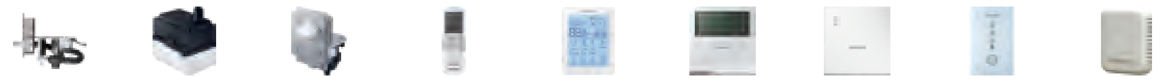
Commercial

Specifications

LSP Duct (R410A)

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC026MNLDKH/EU AC026MXADKH/EU	AC035MNLDKH/EU AC035MXADKH/EU	AC052MNLDKH/EU AC052MXADKH/EU	AC071MNLDKH/EU AC071MXADKH/EU
Capacity						
	Cooling (Min/Nominal/Max)	kW	0.95 / 2.60 / 3.50	1.00 / 3.50 / 4.10	1.20 / 5.00 / 6.00	2.20 / 7.10 / 8.00
	Heating up to +7°C (Min/Nominal/Max)	kW	0.98 / 3.40 / 4.30	1.00 / 4.00 / 5.00	1.10 / 6.00 / 7.20	1.90 / 8.00 / 9.00
	Heating @ -5°C	kW	3.33	3.92	5.88	7.84
	Heating @ -15°C	kW	2.96	3.48	5.22	6.96
Performance						
Energy Efficiency Cooling	SEER	W/W	6.1 / A++	5.9 / A+	6.1 / A++	5.9 / A+
	Consumption	kWh/a	149	208	287	421
	Pdesignc	kW	2.6	3.5	5,0	7.1
	EER	W/W	3.42	2.92	2.87	3.05
Energy Efficiency Heating	SCOP	W/W	4.0 / A+	4.0 / A+	3.9 / A	3.9 / A
	Consumption	kWh/a	700	700	862	1328
	Pdesignh (average)	kW	2,0	2,0	2.4	3.7
	COP	W/W	3.79	3.28	3.53	3.52
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	29.0	30.0	40.0	51.0
Sound Power	Indoor Unit	dB(A)	53	53	55	59
	Outdoor Unit	dB(A)	59	61	62	65
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	26 / 29 / 32	27 / 30 / 33	27 / 30 / 33	27 / 32 / 37
	Outdoor Unit	dB(A)	46 / 47	48 / 48	48 / 48	49 / 51
Fan/ Outdoor unit	Type		Sirocco	Sirocco	Sirocco	Sirocco
	Power	W	68	68	153	153
	Number	EA	2	2	3	3
External Static Pressure	Min / Std / Max	Pa	0 / 25 / 39	0 / 25 / 39	0 / 29 / 39	0 / 29 / 39
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data						
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #				
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC	Twin BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.24 / 0.76 / 1.20	0.24 / 1.20 / 1.50	0.35 / 1.74 / 2.20	0.35 / 2.33 / 3.95
	Heating	kW	0.20 / 0.87 / 1.45	0.19 / 1.22 / 1.80	0.26 / 1.70 / 2.70	0.35 / 2.27 / 3.95
Current Input	Cooling (Min/Std/Max)	A	1.6 / 4.1 / 5.5	1.6 / 5.9 / 7.5	2.1 / 7.8 / 10.0	2.0 / 10.5 / 17.0
	Heating (Min/Std/Max)	A	1.3 / 4.7 / 7.0	1.3 / 5.9 / 10.5	1.7 / 7.5 / 12.0	2.0 / 10.2 / 17.0
	Cooling- Tri-Phase (Min/Std/Max)	A				
	Heating- Tri-Phase (Min/Std/Max)	A				
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	700 x 199 x 600	700 x 199 x 600	1100 x 200 x 450	1100 x 200 x 450
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310
Net Weight	Indoor Unit	kg	19.4	19.4	23.4	23.4
	Outdoor Unit	kg	32.8	32.8	43.8	53,0
Refrigerant						
Refrigerant	Type		R410A(Contains fluorinated greenhouse gases. GWP=2.088)			
	Factory charging	kg	1.05 / 20m	1.05 / 20m	1.30 / 5m	1.50 / 5m
	Charging Ton equivalent CO2	tCO2e	2.19 tCO2e	2.19 tCO2e	2.71 tCO2e	3.13 tCO2e
	Additional refrigerant charging	g / m	-	-	10	20
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4	1 / 4	1 / 4
	Gas Pipe	Φ.inch	3 / 8	3 / 8	1 / 2	5 / 8
Piping Length	Min/ Max	m	20	20	30	50
Piping Height	Max	m	15	15	20	30
Piping Connections	Drain pipe	Φ.mm	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)
Others						
Panel	Model code					
	Net Dimensions (W x H x D)	mm				
	Net Weight	kg				
Accessoires	Drain pump		MDP-E075SEE3D	MDP-E075SEE3D	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ
	Max lifting height/ displacement	mm / l/h	750/24	750/24	750/24	750/24

- Fan with inverter motor; prevalence adjustable up to 40Pa; thickness of just 200mm
- 750 mmH2O condensation drain pump (optional); antibacterial filter included



Accessories								
Drain Pump (Optional)			Individual Controllers (Optional)			Others (Optional)		
MDP-E075S-EE3D	MDP-G075SP	MDP-G075SQ	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WE13N	MIM-H03N	MRK-A10N (to be matched with AR-EH03E)	MRW-TA

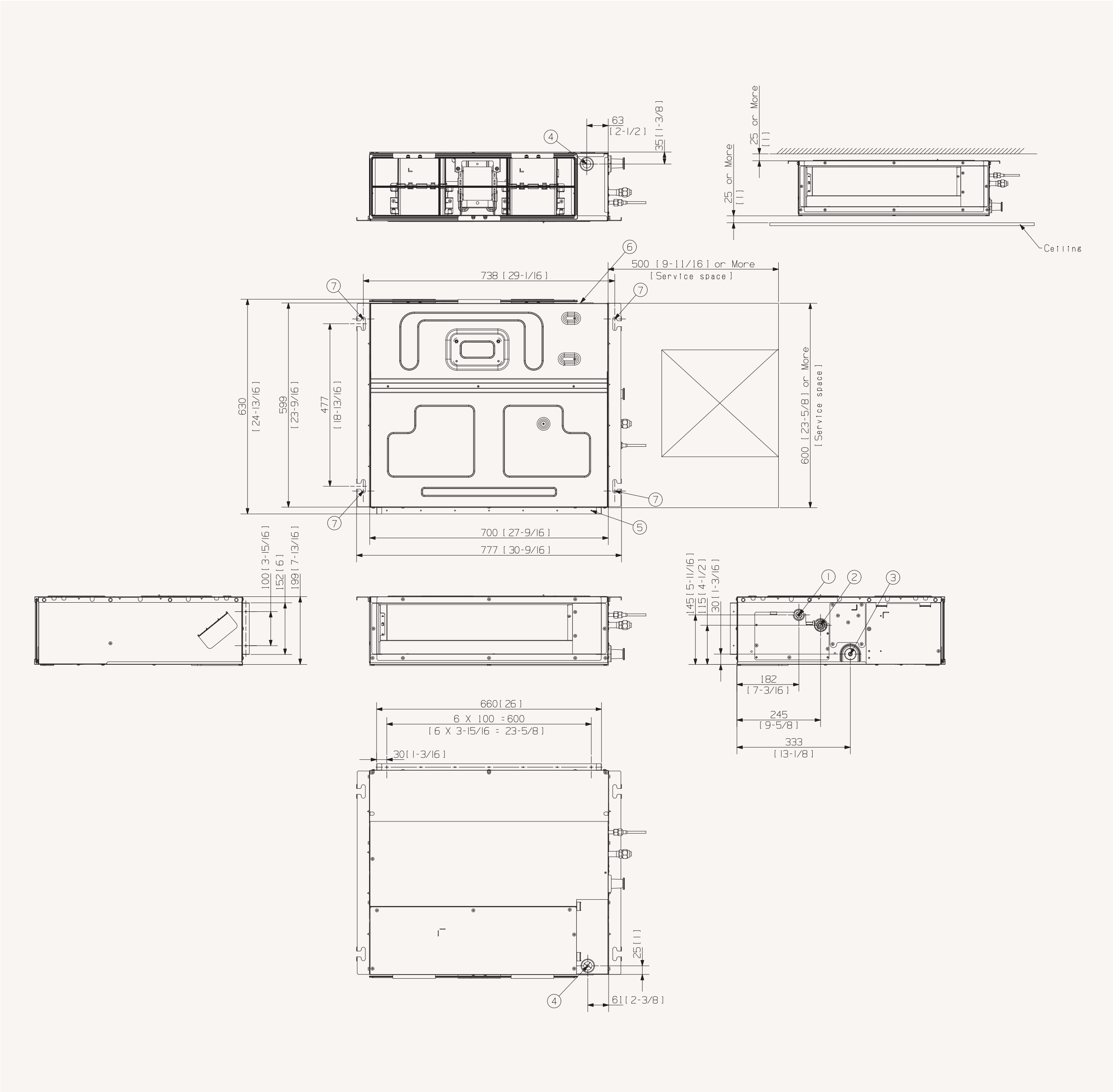
Commercial

Commercial

Dimensional Drawings

LSP Duct (Slim)

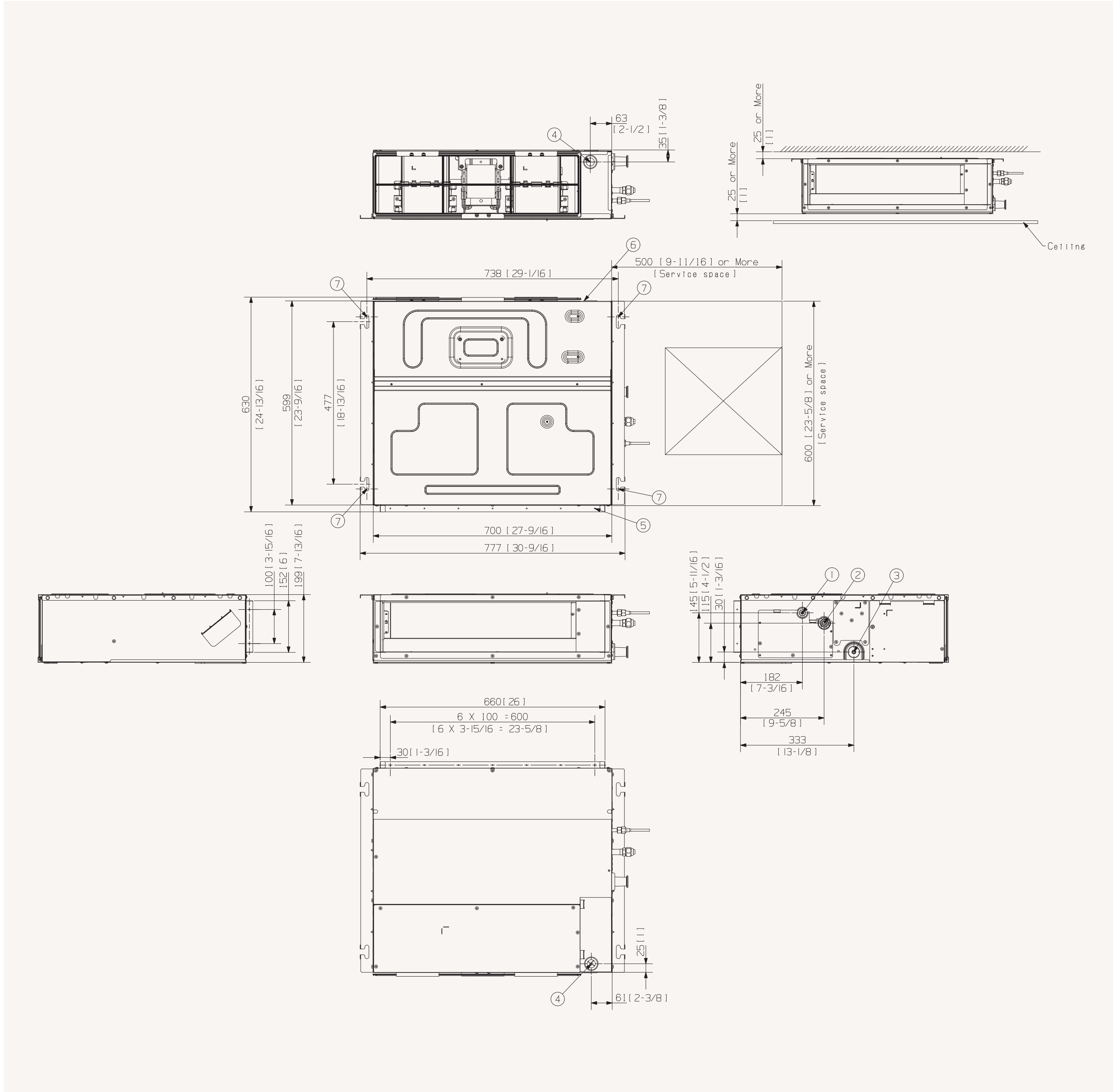
AC026/035*NLDK*/EU



Pos.	Name	Description
1	Liquid piping	ø 6,35 mm (1/4")
2	Gas piping	ø 9,52mm (3/8")
3	Condensation drain piping	VP-25 (OD32, ID25)
4	Power supply cables connection / communication	-
5	Air intake	-
6	Air supply	-
7	Air tie rods	Use M8 ~ M10 bolt (4ea)

LSP Duct (Duct S)

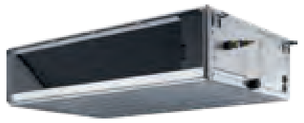
AC052/071*NLDK*/EU



Pos.	Name	Description
1	Liquid piping	ø 6,35 mm (1/4")
2	Gas piping	ø 9,52mm (3/8")
3	Condensation drain piping	VP-25 (OD32, ID25)
4	Power supply cables connection / communication	-
5	Air intake	-
6	Air supply	-
7	Air tie rods	Use M8 ~ M10 bolt (4ea)

Commercial

Specifications



Duct - MSP Duct R32 NEW

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC035RNMDKG/EU AC035RXADKG/EU	AC052RNMDKG/EU AC052RXADKG/EU	AC071RNMDKG/EU AC071RXADKG/EU -	AC100RNMDKG/EU AC100RXADKG/EU AC100RXADNG/EU	AC120RNMDKG/EU AC120RXADKG/EU AC120RXADNG/EU	AC140RNMDKG/EU AC140RXADKG/EU AC140RXADNG/EU
Capacity								
	Cooling (Min/Nominal/Max)	kW	0.80 / 3.50 / 4.40	1.20 / 5.00 / 6.50	1.50 / 6.80 / 8.70	3.0 / 10.0 / 12.0	3.0 / 12.0 / 13.5	3.5 / 13.4 / 15.5
	Heating up to +7°C (Min/Nominal/Max)	kW	1.10 / 4.00 / 4.70	1.10 / 6.00 / 7.20	1.90 / 8.00 / 9.00	2.2 / 11.2 / 15.5	2.5 / 13.2 / 17.0	3.5 / 15.5 / 18.0
	Heating @ -5°C	kW	3.9	5.9	7.8	11,00	12.9	15.2
	Heating @ -15°C	kW	3.5	5.2	7,00	9.7	11.5	13.5
Performance								
Energy Efficiency Cooling	SEER	W/W	6.2 / A++	6.3 / A++	6.1 / A++	5.9 / A+	5.8 / A+	6,0
	Consumption	kWh/a	198	278	390	593	TBD	-
	Pdesignc	kW	3.5	5.0	6.8	10,0	TBD	-
	EER	W/W	TBD	TBD	2.93	2.9	2.66	2.9
Energy Efficiency Heating	SCOP	W/W	4.0 / A+	4.1 / A+	4.0 / A+	4.0 / A+	4.0 / A+	4,0
	Consumption	kWh/a	700	820	1295	1820	TBD	-
	Pdesignh (average)	kW	2.0	2.4	3.7	5.2	6.5	
	COP	W/W	TBD	TBD	3.2	3.2	3.42	3.34
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	10.4/ 9.2/ 8.0	14.5/12.0/9.5	17.0 / 14.0 / 11.0	28.0 / 25.0 / 22.0	33.0 / 28.0 / 23.0	33.0 / 28.0 / 23.0
Sound Power	Indoor Unit	dB(A)	52	55	56	58	62	62
	Outdoor Unit	dB(A)	61	62	65	69	70	69
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	22/ 25/ 28	23 / 26 / 29	24 / 27 / 30	30 / 32 / 34	30 / 34 / 37	30 / 34 / 37
	Outdoor Unit	dB(A)	48/ 48	48 / 48	49/ 51	52 / 54	54 / 56	53 / 54
Fan/ Outdoor unit	Type		Sirocco	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco
	Power	W	153	153	153	153	153	153
	Number	EA	2	2	2	3	3	3
External Static Pressure	Min / Std / Max	Pa	TBD	TBD	0 / 29 / 147	0.0 / 39.2 / 147.0	0.0 / 51.0 / 147.0	0.0 / 51.0 / 147.0
Operating Temp. Range	Cooling	°C	-15 ~ 46	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data								
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #			-	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4
Compressor Type	Outdoor Unit	Type	Single BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.20 / 1.02 / 1.36	0.35 / 1.60 / 2.20	0.35 / 2.32 / 3.60	0.60 / 3.44 / 4.70	0.90 / 4.50 / 5.30	0.80 / 4.62 / 6.45
	Heating	kW	0.24 / 1.15 / 1.80	0.26 / 1.64 / 2.70	0.35 / 2.50 / 3.95	0.46 / 3.50 / 5.40	0.90 / 4.50 / 5.30	0.80 / 4.62 / 6.45
Current Input	Cooling (Min/Std/Max)	A	1.4 / 5.0 / 6.2	2.1 / 7.2 / 10.0	2.0 / 10.4 / 16.0	3.0 / 15.2 / 20.4	5.0 / 19.7 / 24.0	0.80 / 4.62 / 6.45
	Heating (Min/Std/Max)	A	1.3 / 5.4 / 10.5	1.7 / 7.4 / 12.0	2.0 / 10.8 / 17.0	2.5 / 15.4 / 23.0	5.0 / 19.7 / 24.0	3.5 / 20.0 / 32.0
	Cooling- Tri-Phase (Min/Std/Max)	A		-	-	1.5 / 5.3 / 7.1	1.9 / 6.9 / 10.0	2.1 / 7.1 / 10.5
	Heating- Tri-Phase (Min/Std/Max)	A		-	-	1.5 / 5.3 / 7.1	1.5 / 5.9 / 12.0	1.9 / 7.0 / 12.0
Dimensions								
Net Dimensions (W x H x D)	Indoor Unit	mm	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700	1.200 x 250 x 700	1.300 x 300 x 700	1.300 x 300 x 700
	Outdoor Unit	mm	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330
Net Weight	Indoor Unit	kg	26.5	26.5	26.5	34.0	38.5	38.5
	Outdoor Unit	kg	32.5	43.0	51.0	75.0	81,0	91.5
Refrigerant								
Refrigerant	Type							
	Factory charging	kg	0.9/ 20m	1.2/ 10m	1.7 / 15m	2.7 / 30m	2.7 / 30	2.9 / 30m
	Charging Ton equivalent CO2	tCO2e	0.61 tCO2e	0.81 tCO2e	1.15 tCO2e	1.82 tCO2e	1.82 tCO2e	1.96 tCO2e
	Additional refrigerant charging	g / m			25	50	50	50
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4	1 / 4	3 / 8	3 / 8	3 / 8
	Gas Pipe	Φ.inch	3 / 8	1 / 2	5 / 8	5 / 8	5 / 8	5 / 8
Piping Length	Min/ Max	m	3 / 20	3 / 30	3 / 50	50	50	75
Piping Height	Max	m	15	20	30	30	30	30
Piping Connections	Drain pipe	Φ.mm	VP25 (OD32.ID25)	VP25 (OD32.ID25)	VP25 (OD32.ID25)	VP25 (OD32.ID25)	VP25 (OD32.ID25)	VP25 (OD32.ID25)
Others								
Panel	Model code							
	Net Dimensions (W x H x D)	mm						
	Net Weight	kg						
Accessoires	Drain pump		MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ
	Max lifting height/ displacement	mm / l/h	750/24	750/24	750/24	750/24	750/24	750/24

- External static pressure range from 0 to 14 mmAq.
- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000 step).
- Long-life washable permanent filter is included.
- Auto Restart function.

- Built-in condensation drain pump (750 mmH2O).
- SPi Ionizer device (optional).

Accessories

Drain pump (Included)


MDP-G075SP


MDP-G075SQ

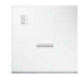
Individual Controllers (Optional)


AR-EH03E
(to be matched
with MRK-A10N)


MWR-SH11N


MWR-WE13N

Others (Optional)


MIM-H03N

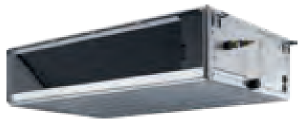

MRK-A10N
(to be matched
with AR-EH03E)


MRW-TA

Commercial

Commercial

Specifications



- External static pressure range from 0 to 14 mmAq.
- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000 step).
- Long-life washable permanent filter is included.
- Auto Restart function.
- Built-in condensation drain pump (750 mmH2O).
- SPi Ionizer device (optional).

Duct - MSP Duct (R410A)

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC035MNMDKH/EU AC035MXADKH/EU	AC052MNMDKH/EU AC052MXADKH/EU	AC060MNMDKH/EU AC060MXADKH/EU	AC071MNMDKH/EU AC071MXADKH/EU	AC090MNMDKH/EU AC090MXADKH/EU AC090MXADNH/EU	AC100MNMDKH/EU AC100MXADKH/EU AC100MXADNH/EU	AC120MNMDKH/EU AC120MXADKH/EU AC120MXADNH/EU	AC140MNMDKH/EU AC140MXADKH/EU AC140MXADNH/EU
Capacity										
	Cooling (Min/Nominal/Max)	kW	1.20 / 3.50 / 3.90	1.20 / 5.00 / 6.00	1,20 / 5,80 / 7,00	2.20 / 7.10 / 8.00	3.00 / 9.00 / 11.30	3.00 / 10.00 / 12.00	3.00 / 12.00 / 13.50	3.50 / 13.40 / 15.50
	Heating up to +7°C (Min/Nominal/Max)	kW	1.10 / 4.00 / 4.70	1.10 / 6.00 / 7.20	1,50 / 7,00 / 8,50	1.90 / 8.00 / 9.00	2.20 / 10.00 / 13.90	2.20 / 11.20 / 15.50	2.50 / 13.00 / 17.00	3.50 / 15.50 / 18.00
	Heating @ -5°C	kW	3.92	5.88	6,86	7.84	9.8	10.98	12.74	15.19
	Heating @ -15°C	kW	3.48	5.22	6,09	6.96	8.7	9.74	11.31	13.49
Performance										
Energy Efficiency Cooling	SEER	W/W	6.3 / A++	6.2 / A++	6,1 / A++	6.1 / A++	5.9 / A+	5.8 / A+	5.6 / A+	3,0
	Consumption	kWh/a	194	282	333	407	534	603	750	
	Pdesignc	kW	3.5	5,0	5,8	7.1	9,0	10,0	12,0	
	EER	W/W	3.33	3.21	2,97	3.3	3.1	2.86	2.73	3.01
Energy Efficiency Heating	SCOP	W/W	4.0 / A+	4.1 / A+	4,0 / A+	4.0 / A+	4.0 / A+	4.0 / A+	4.0 / A+	3.4
	Consumption	kWh/a	630	820	910	1295	1820	1820	2590	
	Pdesignh (average)	kW	1.8	2.4	2,6	3.7	5.2	5.2	7.4	
	COP	W/W	3.33	3.8	3,59	3.64	3.64	3.39	3.25	3.41
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	30.0	40.0	40.0	51.0	78.0	78.0	78.0	78.0
Sound Power	Indoor Unit	dB(A)	52	55	56	56	58	58	62	62
	Outdoor Unit	dB(A)	61	62	62	65	68	69	70	69
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	28/25/22	29/26/23	30/27/24	24 / 27 / 30	30 / 32 / 34	30 / 32 / 34	30 / 34 / 37	30 / 34 / 37
	Outdoor Unit	dB(A)	48 / 48	48 / 48	49 / 49	49 / 51	52 / 53	52 / 54	54 / 56	53 / 54
Fan/ Outdoor unit	Type		Sirocco	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco	Sirocco
	Power	W	153	153	153	153	153	153	244	244
	Number	EA	2	2	2	2	3	3	3	3
External Static Pressure	Min / Std / Max	Pa	0 / 25 / 147	0 / 29 / 147	0 / 29 / 147	0 / 29 / 147	0 / 39 / 147	0 / 39 / 147	0 /51 / 147	0 /51 / 147
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data										
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #	-	-	-	-	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4
Compressor Type	Outdoor Unit	Type	Single BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.26 / 1.05 / 1.50	0.35 / 1.56 / 2.20	0,26 / 1,95 / 2,40	0.35 / 2.15 / 3.95	0.60 / 2.90 / 4.46	0.60 / 3.50 / 4.70	0.90 / 4.40 / 5.50	0.80 / 4.45 / 6.44
	Heating	kW	0.24 / 1.20 / 1.80	0.26 / 1.58 / 2.70	0,20 / 1,95 / 3,30	0.35 / 2.20 / 3.95	0.46 / 2.75 / 5.20	0.46 / 3.30 / 5.40	0.70 / 4.00 / 5.90	0.70 / 4.54 / 7.36
Current Input	Cooling (Min/Std/Max)	A	1.6 / 5.5 / 7.5	2.1 / 7.1 / 10.0	1,8 / 8,5 / 10,6	2.0 / 9.7 / 17.0	3.0 / 12.7 / 19.4	3.0 / 15.1 / 20.4	5.0 / 19.5 / 24.0	3.7 / 20.0 / 28.0
	Heating (Min/Std/Max)	A	1.3 / 5.8 / 10.5	1.7 / 7.2 / 12.0	1,5 / 8,5 / 14,0	2.0 / 11.3 / 17.0	2.5 / 12.5 / 22.7	2.5 / 14.0 / 23.0	4.0 / 17.5 / 26.5	3.5 / 19.5 / 32.0
	Cooling- Tri-Phase (Min/Std/Max)	A	-	-	-	-	1.50 / 4.50 / 7.30	1.50 / 5.30 / 7.10	1.90 / 7.00 / 8.60	2.10 / 7.00 / 12.00
	Heating- Tri-Phase (Min/Std/Max)	A	-	-	-	-	1.40 / 4.50 / 9.00	1.20 / 4.90 / 8.40	1.50 / 6.30 / 9.00	1.90 / 7.00 / 12.00
Dimensions										
Net Dimensions (W x H x D)	Indoor Unit	mm	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700	850 x 250 x 700	1200 x 250 x 700	1200 x 250 x 700	1300 x 300 x 700	1300 x 300 x 700
	Outdoor Unit	mm	790 x 548 x 285	880 x 638 x 310	880 x 638 x 310	880 x 798 x 310	940 x 998 x 330	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330
Net Weight	Indoor Unit	kg	25.8	25.8	25,8	25.8	33.4	33.4	38.6	38.6
	Outdoor Unit	kg	32.8	43.8	43,8	53,0	72,0	72,0	77,0	87,0
Refrigerant										
Refrigerant	Type		R410A(Contains fluorinated greenhouse gases. GWP=2.088)				R410A(Contains fluorinated greenhouse gases. GWP=2.088)			
	Factory charging	kg	1.05 / 20m	1.30 / 5m	1,30 / 5m	1.50 / 5m	3 / 30m	3 / 30m	3 / 30m	3.4 / 30m
	Charging Ton equivalent CO2	tCO2e	2.19 tCO2e	2.71 tCO2e	2,71 tCO2e	3.13 tCO2e	6.26 tCO2e	6.26 tCO2e	6.26 tCO2e	7.10 tCO2e
	Additional refrigerant charging	g / m	-	10	10	20	50	50	50	50
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4	1 / 4	1 / 4	3 / 8	3 / 8	3 / 8	3 / 8
	Gas Pipe	Φ.inch	3 / 8	1 / 2	1 / 2	5 / 8	5 / 8	5 / 8	5 / 8	5 / 8
Piping Length	Min/ Max	m	20	30	30	50	50	50	50	75
Piping Height	Max	m	15	20	20	30	30	30	30	30
Piping Connections	Drain pipe	Φ.mm	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)
Others										
Panel	Model code									
	Net Dimensions (W x H x D)	mm								
	Net Weight	kg								
Accessoires	Drain pump		MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ
	Max lifting height/ displacement	mm / l/h	750/24	750/24	750/24	750/24	750/24	750/24	750/24	750/24

Accessories

Drain pump (Included)


MDP-G075SP


MDP-G075SQ

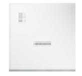
Individual Controllers (Optional)


AR-EH03E
(to be matched
with MRK-A10N)


MWR-SH11N


MWR-WE13N

Others (Optional)


MIM-H03N


MRK-A10N
(to be matched
with AR-EH03E)

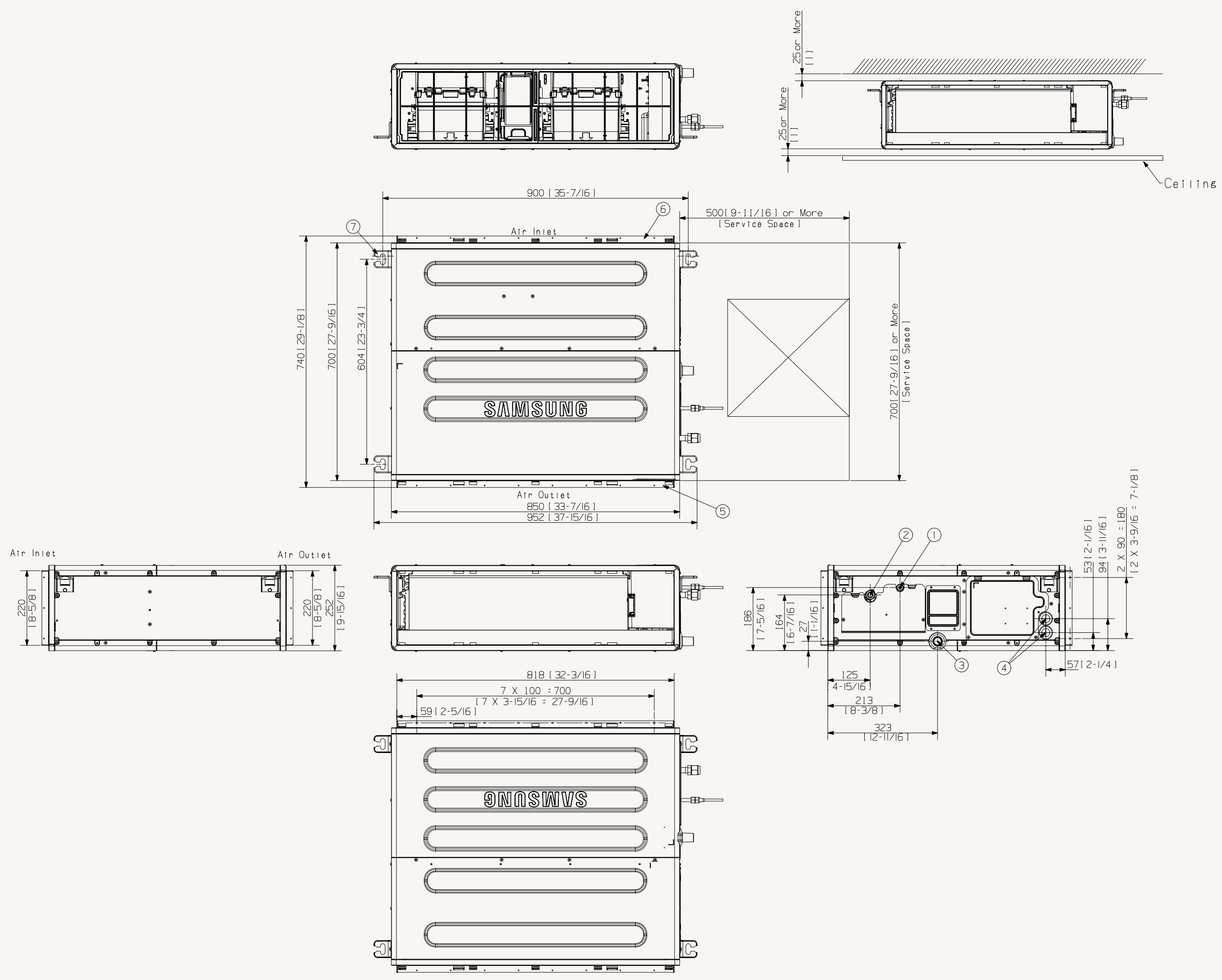

MRW-TA

Commercial

Dimensional Drawings

MSP Duct

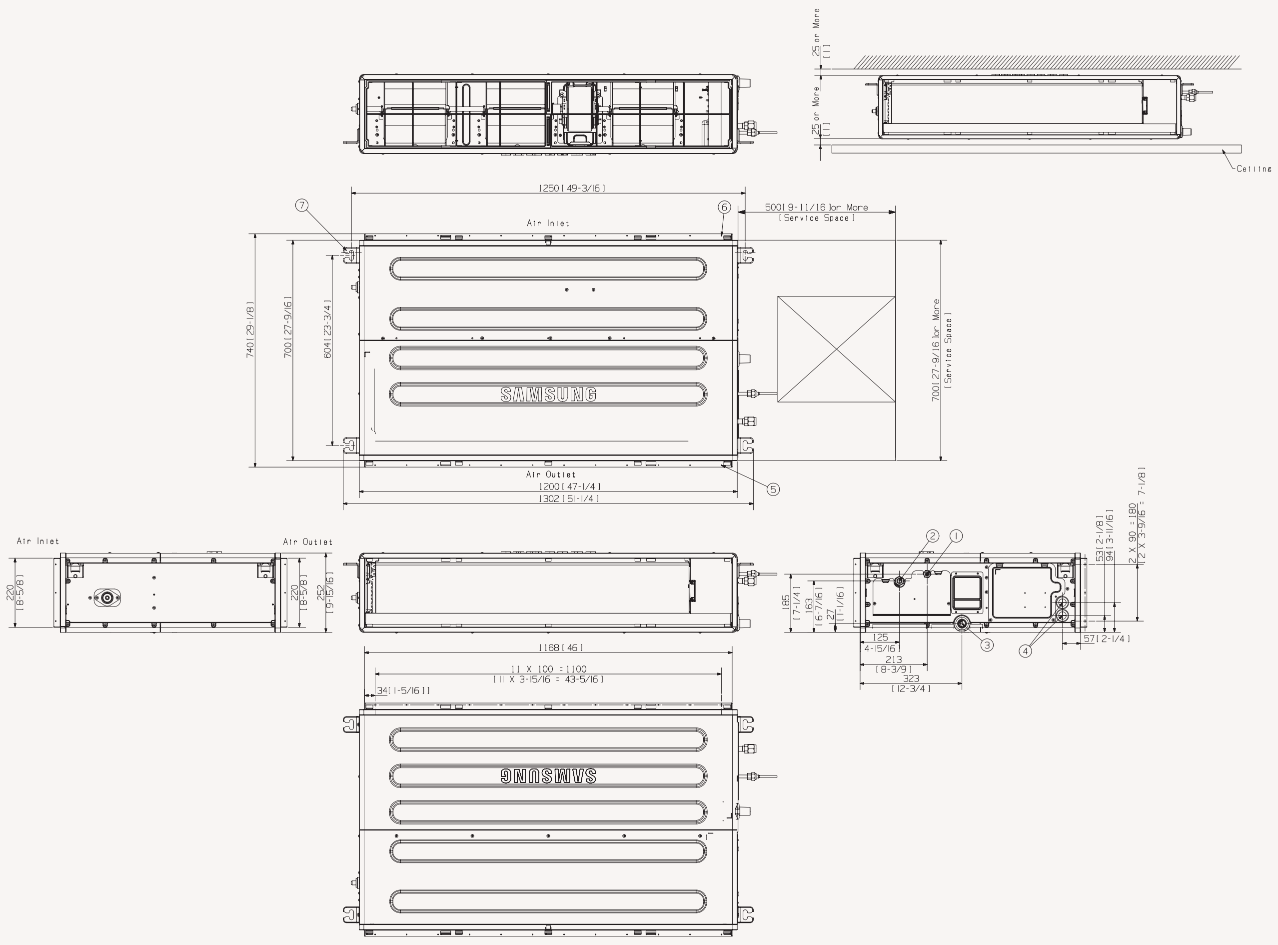
AC035/052/060/071*NMDK*/EU



Pos.	Name	Model		
		AC035*NMDK*/EU	AC052*NMDK*/EU	AC060*NMDK*/EU AC071*NMDK*/EU
1	Liquid piping	ø 6,35 mm (1/4")		
2	Gas piping	ø 9,52mm (3/8")	ø 12,7 mm (1/2")	ø 15,88 mm (5/8")
3	Condensation drain piping	VP-25 (OD32, ID25)		
4	Power supply cables connection / communication	-		
5	Air intake	-		
6	Air supply	-		
7	Air tie rods	Use M8 ~ M10 bolt (4ea)		

MSP Duct

AC090/100*NMDK*/EU



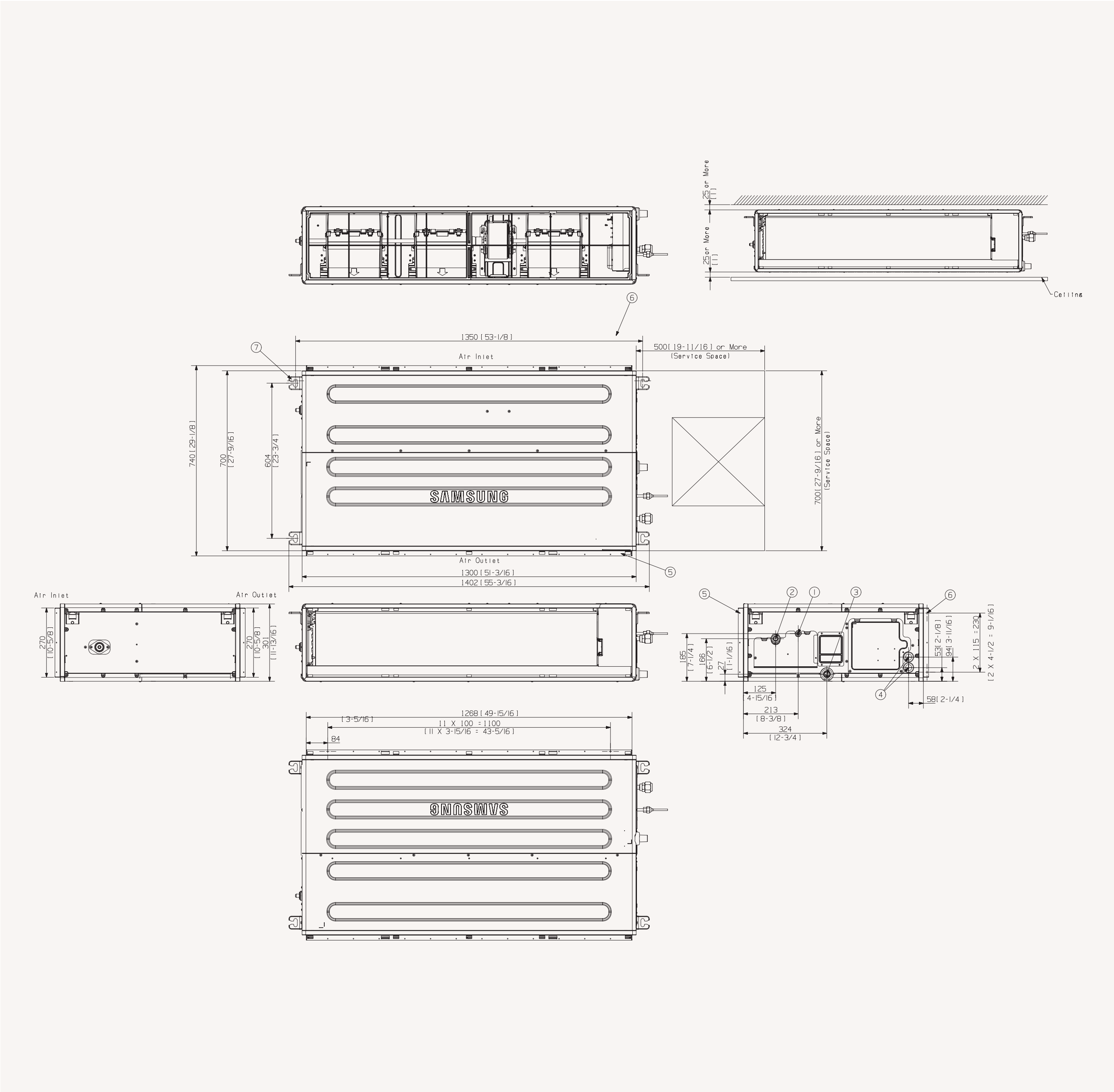
Pos.	Name	Description
1	Liquid piping	ø 9,52mm (3/8")
2	Gas piping	ø 15,88mm (5/8")
3	Condensation drain piping	VP-25 (OD32, ID25)
4	Power supply cables connection / communication	-
5	Air intake	-
6	Air supply	-
7	Air tie rods	Use M8 ~ M10 bolt (4ea)

Commercial

Dimensional Drawings

MSP Duct

AC035/052/060/071*NMDK*/EU



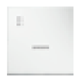
Pos.	Name	Description
1	Liquid piping	ø 9,52mm (3/8")
2	Gas piping	ø 15,88mm (5/8")
3	Condensation drain piping	VP-25 (OD32, ID25)
4	Power supply cables connection / communication	-
5	Air intake	-
6	Air supply	-
7	Air tie rods	Use M8 ~ M10 bolt (4ea)

Specifications

HSP Duct (R410A)

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC180JNHPKH/EU - AC180JXAPNH/EU	AC200KNHPKH/EU - AC200KXAPNH/EU	AC250KNHPKH/EU - AC250KXAPNH/EU
Capacity					
	Cooling (Min/Nominal/Max)	kW	6.00 / 18.0 / 20.0	7.50 / 20.0 / 23.0	9.0 / 25.00 / 28.50
	Heating up to +7°C (Min/Nominal/Max)	kW	4.80 / 20.0 / 22.50	8.50 / 23.00 / 25.00	10.0 / 27.00 / 32.00
	Heating @ -5°C	kW	-	-	-
	Heating @ -15°C	kW	-	-	-
Performance					
Energy Efficiency Cooling	SEER	W/W	A	-	-
	Consumption	kWh/a	-	-	-
	Pdesignc	kW	-	-	-
	EER	W/W	3.30	3.10	2.61
Energy Efficiency Heating	SCOP	W/W	A	-	-
	Consumption	kWh/a	-	-	-
	Pdesignh (average)	kW	-	-	-
	COP	W/W	3.61	3.45	3.24
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	71.00 /60.00 /50.00	72.00 /62.00 /48.00	80.00/ 64.00/ 51.00
Sound Power	Indoor Unit	dB(A)	69	70	72
	Outdoor Unit	dB(A)	76	75	77
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	35/ 39 / 43	36 / 340 / 44	37 / 42 / 47
	Outdoor Unit	dB(A)	55 / 57	58 / 60	59 / 61
Fan/ Outdoor unit	Type		Sirocco	Sirocco	Sirocco
	Power	W	630	630	630
	Number	EA	2	2	2
External Static Pressure	Min / Std / Max	Pa	50.01/ 60.02/ 196.13	49.03/ 72.00/ 196.13	49.03/ 72.00/ 196.13
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data					
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #			
	Outdoor Unit 3P	V / Hz / Φ/ #	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	BLDC Scroll	BLDC Scroll
Power (Min/ Nominal/Max)	Cooling	kW	1.30/ 5.45/ 7.30	2.10/ 6.45/ 8.00	2.60/ 9.58/ 12.00
	Heating	kW	1.20 /5.54/ 7.60	2.10/ 6.66/ 9.80	2.50/ 8.33/ 13.50
Current Input	Cooling (Min/Std/Max)	A			
	Heating (Min/Std/Max)	A			
	Cooling- Tri-Phase (Min/Std/Max)	A	2.30/ 8.40/ 16.10	3.8/ 10.0/ 12.3	4.7/ 14.9/ 18.4
	Heating- Tri-Phase (Min/Std/Max)	A	2.20 /8.60/ 16.10	3.8/ 10.3/ 16	4.5/ 12.9/ 22
Dimensions					
Net Dimensions (W x H x D)	Indoor Unit	mm	1350 x 450 x 910	1350 x 450 x 910	1350 x 450 x 910
	Outdoor Unit	mm	940 x 1420 x 330	940 x 1630 x 460	940 x 1630 x 460
Net Weight	Indoor Unit	kg	1350 x 450 x 910	1350 x 450 x 910	92.0
	Outdoor Unit	kg	107.5	154.0	154.0
Refrigerant					
Refrigerant	Type		R410A(Contains fluorinated greenhouse gas, GWP=2,088)		
	Factory charging	kg	4.60	6.60	6.60
	Charging Ton equivalent CO2	tCO2e	9.60 tCO2e	13.78 tCO2e	13.78 tCO2e
	Additional refrigerant charging	g / m	-	-	-
Piping Connections	Liquid Pipe	Φ.inch	3 / 8	3 / 8	3 / 8
	Gas Pipe	Φ.inch	3 / 4	3 / 4	7 / 8
Piping Length	Min/ Max	m	75	75	75
Piping Height	Max	m	30	30	30
Piping Connections	Drain pipe	Φ.mm	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)
Others					
Panel	Model code				
	Net Dimensions (W x H x D)	mm			
	Net Weight	kg			
Accessoires	Drain pump		MDP-G075SP MDP-G075SQ	DC	DC
	Max lifting height/ displacement	mm / l/h			

- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000 step).
- Long-life washable HD 40 permanent filter is included.
- Auto Restart function.
- Condensation drain pump (optional)

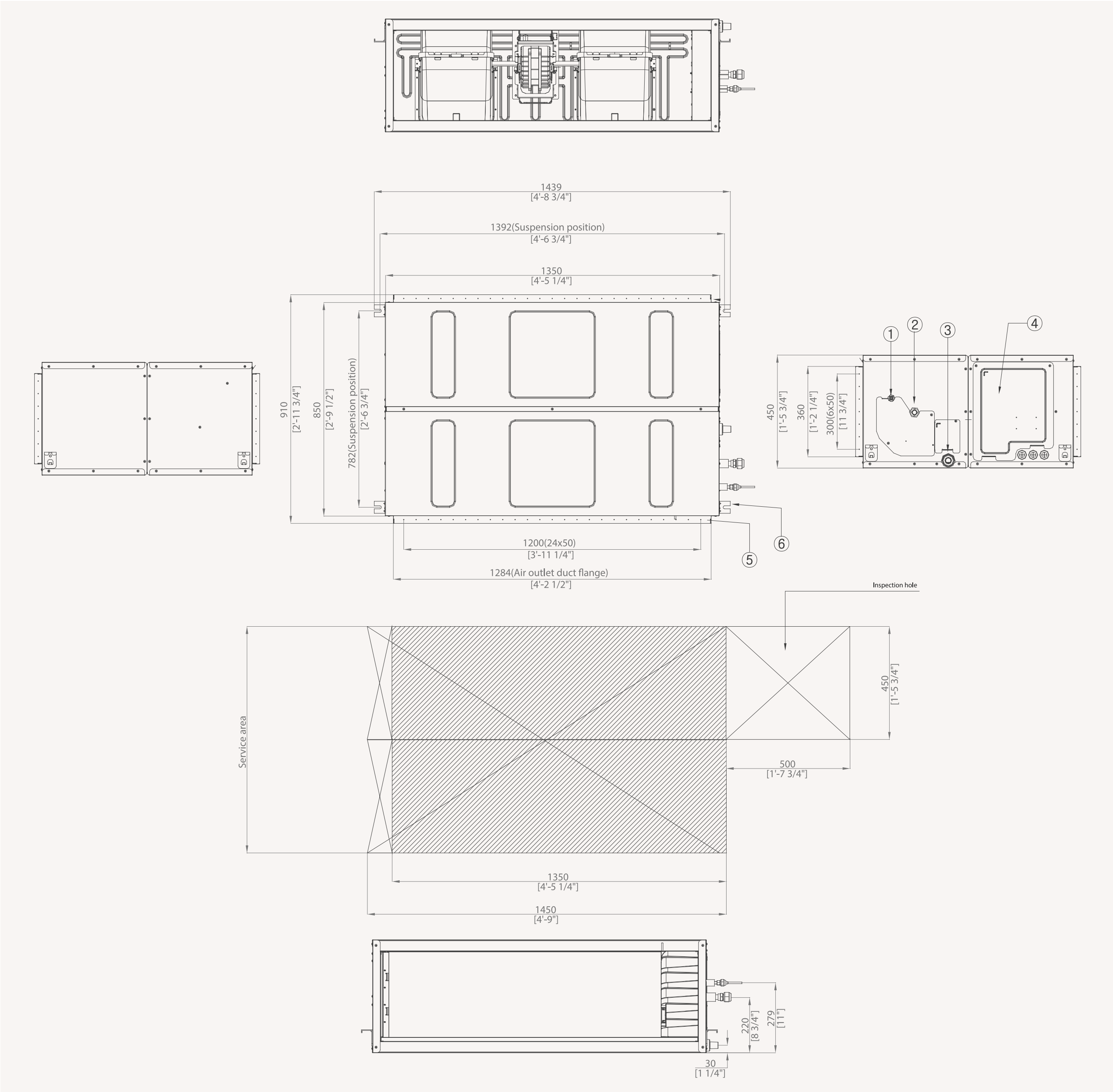
Accessories							
Drain Pump (Optional)		Individual Controllers (Optional)			Others (Optional)		
							
MDP-G075SP	MDP-G075SQ	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WE13N	MIM-H03N	MRK-A10N (to be matched with AR-EH03E)	MRW-TA

Commercial

Dimensional Drawings

HSP Duct

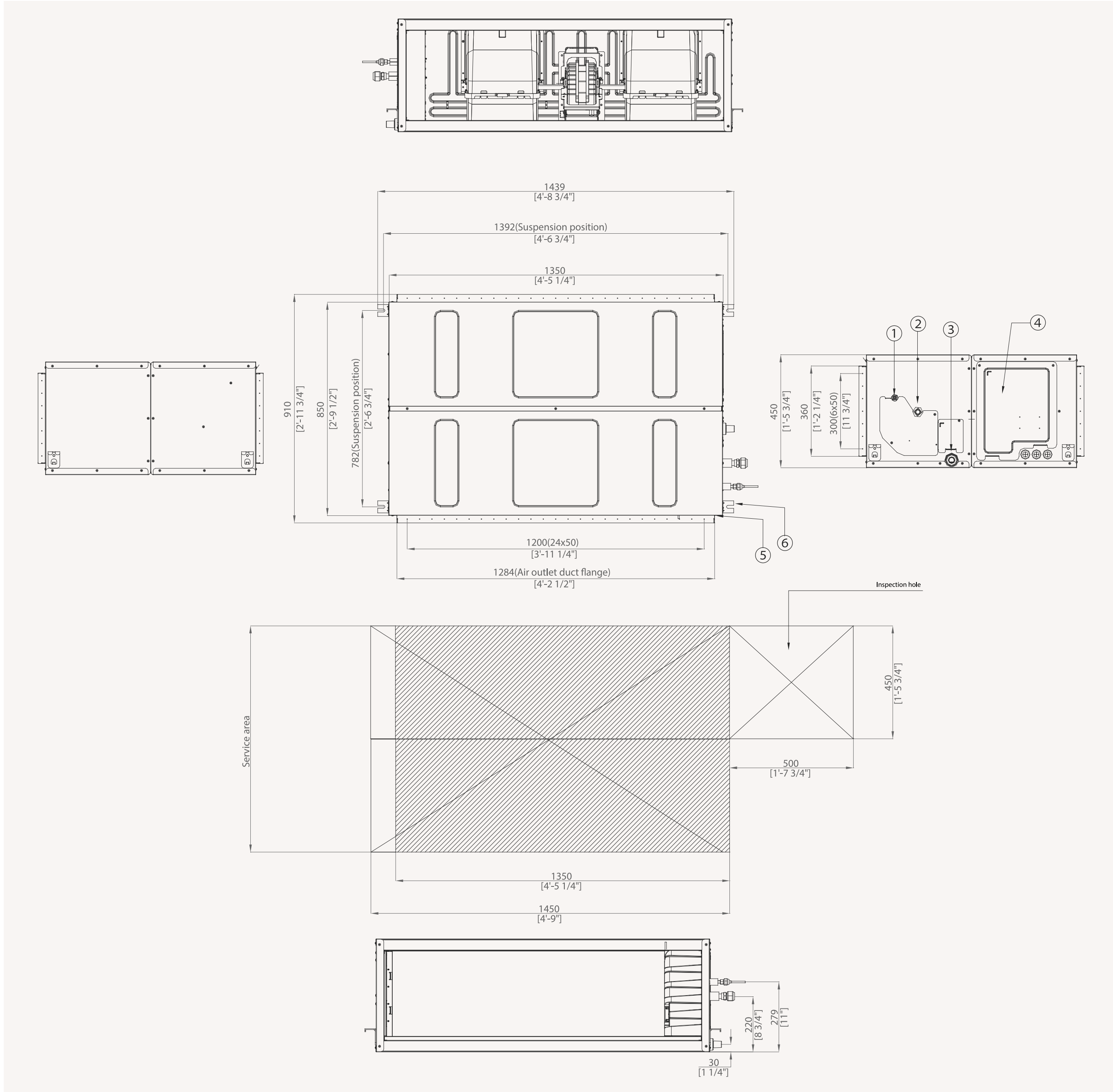
AC180JNHPKH/EU



Pos.	Name	Description
1	Liquid piping	ø 9,52 mm (3/8")
2	Gas piping	ø 19,05 mm (3/4")
3	Condensation drain piping	VP-25 (OD32, ID25)
4	Power supply cables connection / communication	-
5	Air supply	-
6	Air tie rods	-
7	Air tie rods	Use M8 ~ M10 bolt (4ea)

HSP Duct (Big Duct)

AC200/250KNHPKH/EU



Pos.	Name	Model	
		AC200KNHPKH/EU	AC250KNHPKH/EU
1	Liquid piping	ø 9,52 mm (3/8")	
2	Gas piping	ø 19,05 mm (3/4")	ø 22,22 mm (7/8")
3	Condensation drain piping	VP-25 (OD32, ID25)	
4	Power supply cables connection / communication	-	
5	Air supply	-	
6	Air tie rods	-	

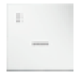
Commercial

Specifications

Wall-Mounted Triangle R32 NEW

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC026RNADKG/EU AC026RXADKG/EU	AC035RNADKG/EU AC035RXADKG/EU	AC052RNADKG/EU AC052RXADKG/EU	AC071RNADKG/EU AC071RXADKG/EU
Capacity						
	Cooling (Min/Nominal/Max)	kW	0.96 / 2.60 / 3.60	1.00 / 3.50 / 3.90	1.30 / 5.00 / 6.50	1.50 / 7.10 / 8.70
	Heating up to +7°C (Min/Nominal/Max)	kW	1.00 / 3.30 / 4.00	1.10 / 4.00 / 4.70	1.50 / 6.00 / 6.25	1.90 / 8.00 / 9.00
	Heating @ -5°C	kW	3.2	3.9	5.9	7.8
	Heating @ -15°C	kW	2.9	3.5	5.2	7,00
Performance						
Energy Efficiency Cooling	SEER	W/W	6.6 / A++	6.5 / A++	6.2 / A++	6.4 / A++
	Consumption	kWh/a	138	188	282	388
	Pdesignc	kW	2.6	3.5	5,0	6.4
	EER	W/W	3.51	3.18	2.27	3.02
Energy Efficiency Heating	SCOP	W/W	4.0 / A+	4.0 / A+	3.9 / A	4.0 / A+
	Consumption	kWh/a	700	700	862	1260
	Pdesignh (average)	kW	2,0	2,0	2.4	3.6
	COP	W/W	3,00	2.58	2.79	3.27
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	7.7 / 6.2 / 5.0	8.5 / 7.2 / 5.8	10.7 / 9.0 / 7.2	17.1 / 14.5 / 12.4
Sound Power	Indoor Unit	dB(A)	56	59	60	61
	Outdoor Unit	dB(A)	59	61	62	65
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	21 / 24 / 30 / 36	20 / 26 / 32 / 38	25 / 32 / 37 / 42	30 / 35 / 39 / 43
	Outdoor Unit	dB(A)	46 / 47	48 / 61	48 / 48	49 / 51
Fan/ Outdoor unit	Type		Crossflow Fan	Crossflow Fan	Crossflow Fan	Crossflow Fan
	Power	W	27	27	27	27
	Number	EA	1	1	1	1
External Static Pressure	Min / Std / Max	Pa				
Operating Temp. Range	Cooling	°C	-15 ~ 46	-15 ~ 46	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data						
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #				
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC	Twin BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.18 / 0.74 / 1.20	0.19 / 1.10 / 1.30	0.40 / 2.20 / 2.30	0.35 / 2.35 / 3.60
	Heating	kW	0.21 / 1.10 / 1.45	0.23 / 1.55 / 1.80	0.34 / 2.15 / 3.15	0.35 / 2.45 / 3.95
Current Input	Cooling (Min/Std/Max)	A	1.4 / 3.7 / 5.5	1.4 / 5.3 / 6.0	2.6 / 9.6 / 10.1	2.0 / 10.3 / 16.0
	Heating (Min/Std/Max)	A	1.3 / 5.1 / 7.0	1.4 / 6.9 / 10.5	2.3 / 9.4 / 14.0	2.0 / 10.7 / 17.0
	Cooling- Tri-Phase (Min/Std/Max)	A				
	Heating- Tri-Phase (Min/Std/Max)	A				
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	750 x 249 x 246	750 x 249 x 246	896 x 261 x 261	1065 x 294 x 301
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310
Net Weight	Indoor Unit	kg	7.6	7.6	10.8	14.4
	Outdoor Unit	kg	32.5	32.5	43,0	51,0
Refrigerant						
Refrigerant	Type		R32(Contains fluorinated greenhouse gases. GWP=675)			
	Factory charging	kg	0.9 / 20m	0.9 / 20	1.2 / 10m	1.7 / 15m
	Charging Ton equivalent CO2	tCO2e	0.61 tCO2e	0.61 tCO2e	0.81 tCO2e	1.15 tCO2e
	Additional refrigerant charging	g / m	-	-	15	25
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4	1 / 4	1 / 4
	Gas Pipe	Φ.inch	3 / 8	3 / 8	1 / 2	5 / 8
Piping Length	Min/ Max	m	3 / 20	3 / 20	3 / 30	3 / 50
Piping Height	Max	m	15	15	20	30
Piping Connections	Drain pipe	Φ.mm	ID 18	ID 18	ID 18	ID 18

- Fan with inverter motor; HD filter included
- Triangle Design; "Good Sleep" mode

Accessories				
Individual Controllers (Optional)			Others (Optional)	
				
AR-EH03E	MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA

Commercial

Specifications

- Fan with inverter motor; HD filter included
- Triangle Design; "Good Sleep" mode

Wall-Mounted Triangle (R410A)

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC026MNADKH/EU AC026MXADKH/EU	AC035MNADKH/EU AC035MXADKH/EU	AC052MNADKH/EU AC052MXADKH/EU	AC071MNADKH/EU AC071MXADKH/EU
Capacity						
	Cooling (Min/Nominal/Max)	kW	1.10 / 2.60 / 3.40	1.20 / 3.50 / 3.90	1.90 / 5.00 / 5.60	2.20 / 7.10 / 8.00
	Heating up to +7°C (Min/Nominal/Max)	kW	1.00 / 3.30 / 4.00	1.10 / 4.00 / 4.70	1.50 / 6.00 / 6.25	1.90 / 8.00 / 9.00
	Heating @ -5°C	kW	3.23	3.92	5.88	7.84
	Heating @ -15°C	kW	2.87	3.48	5.22	6.96
Performance						
Energy Efficiency Cooling	SEER	W/W	6.4 / A++	6.3 / A++	6.2 / A++	6.3 / A++
	Consumption	kWh/a	142	194	282	394
	Pdesignc	kW	2.6	3.5	5,0	7.1
	EER	W/W	3.51	3.18	2.27	2.82
Energy Efficiency Heating	SCOP	W/W	4.0 / A+	4.0 / A+	3.8 / A	4.0 / A+
	Consumption	kWh/a	700	700	884	1260
	Pdesignh (average)	kW	2,0	2,0	2.4	3.6
	COP	W/W	3.3	2.5	3.16	3.14
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	7.7 / 6.2 / 5.0	8.5 / 7.2 / 5.8	10.7 / 9.0 / 7.2	17.1 / 14.5 / 12.4
Sound Power	Indoor Unit	dB(A)	56	59	60	61
	Outdoor Unit	dB(A)	59	61	62	65
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	18 / 24 / 30 / 36	20 / 26 / 32 / 38	25 / 32 / 37 / 42	30 / 35 / 39 / 43
	Outdoor Unit	dB(A)	46 / 47	48 / 48	48 / 48	49 / 51
Fan/ Outdoor unit	Type		Crossflow	Crossflow	Crossflow	Crossflow
	Power	W	27	27	27	27
	Number	EA	1	1	1	1
External Static Pressure	Min / Std / Max	Pa				
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data						
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #				
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC	Twin BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.24 / 0.74 / 1.20	0.25 / 1.10 / 1.60	0.40 / 2.20 / 2.30	0.35 / 2.52 / 3.95
	Heating	kW	0.21 / 1.00 / 1.45	0.23 / 1.60 / 1.80	0.34 / 1.90 / 3.15	0.35 / 2.55 / 3.95
Current Input	Cooling (Min/Std/Max)	A	1.7 / 4.1 / 5.5	1.6 / 5.6 / 7.1	2.6 / 9.7 / 10.1	2.0 / 11.2 / 17.0
	Heating (Min/Std/Max)	A	1.4 / 5.0 / 7.0	1.3 / 7.1 / 10.5	2.3 / 8.4 / 14.0	2.0 / 11.3 / 17.0
	Cooling- Tri-Phase (Min/Std/Max)	A				
	Heating- Tri-Phase (Min/Std/Max)	A				
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	750 x 249 x 246	750 x 249 x 246	896 x 261 x 261	1065 x 294 x 301
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310	880 x 798 x 310
Net Weight	Indoor Unit	kg	7.6	7.6	10.8	14.4
	Outdoor Unit	kg	32.8	32.8	43.8	53,0
Refrigerant						
Refrigerant	Type		R410A(Contains fluorinated greenhouse gases. GWP=2.088)			
	Factory charging	kg	1.05 / 20m	1.05 / 20m	1.30 / 5m	1.50 / 5m
	Charging Ton equivalent CO2	tCO2e	2.19 tCO2e	2.19 tCO2e	2.71 tCO2e	3.13 tCO2e
	Additional refrigerant charging	g / m	-	-	10	20
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4	1 / 4	1 / 4
	Gas Pipe	Φ.inch	3 / 8	3 / 8	1 / 2	5 / 8
Piping Length	Min/ Max	m	20	20	30	50
Piping Height	Max	m	15	15	20	30
Piping Connections	Drain pipe	Φ.mm	ID 18	ID 18	ID 18	ID 18

Accessories				
Individual Controllers (Optional)			Others (Optional)	
 AR-EH03E	 MWR-SH11N	 MWR-WE13N	 MIM-H03N	 MRW-TA

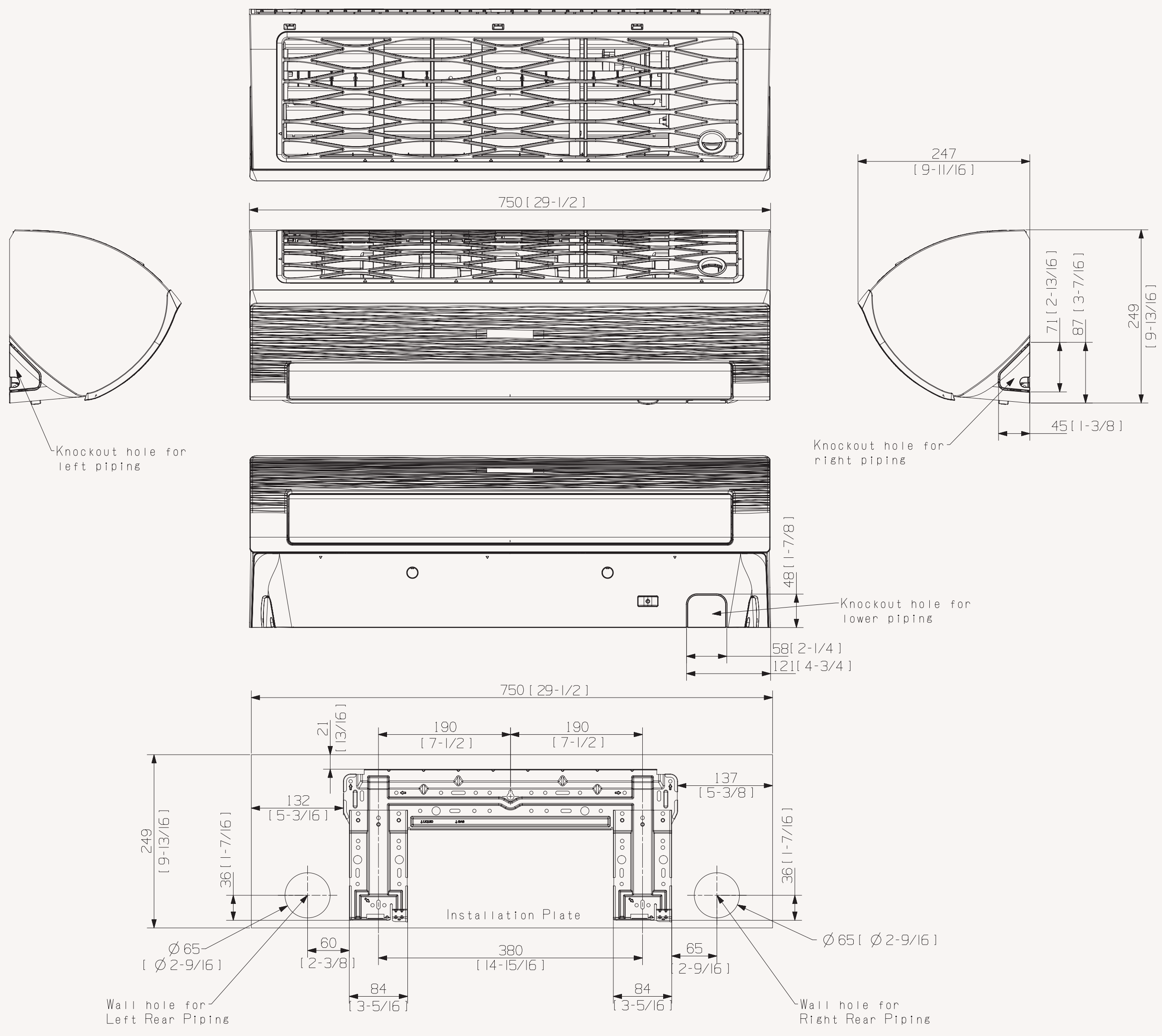
Commercial

Commercial

Dimensional Drawings

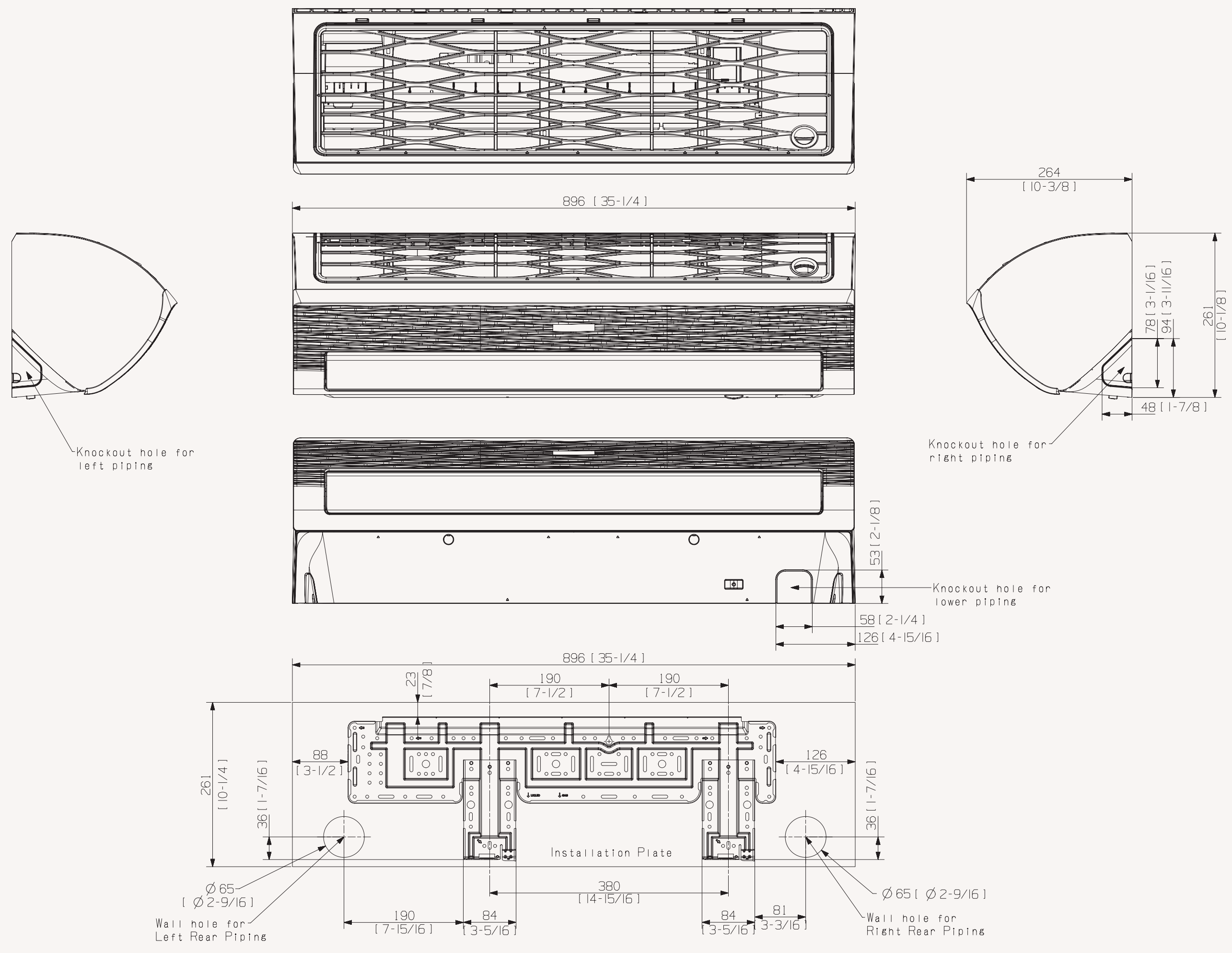
Wall-Mounted Triangle

AC026/035*NADK*/EU



Wall-Mounted Triangle

AC052*NADK*/EU



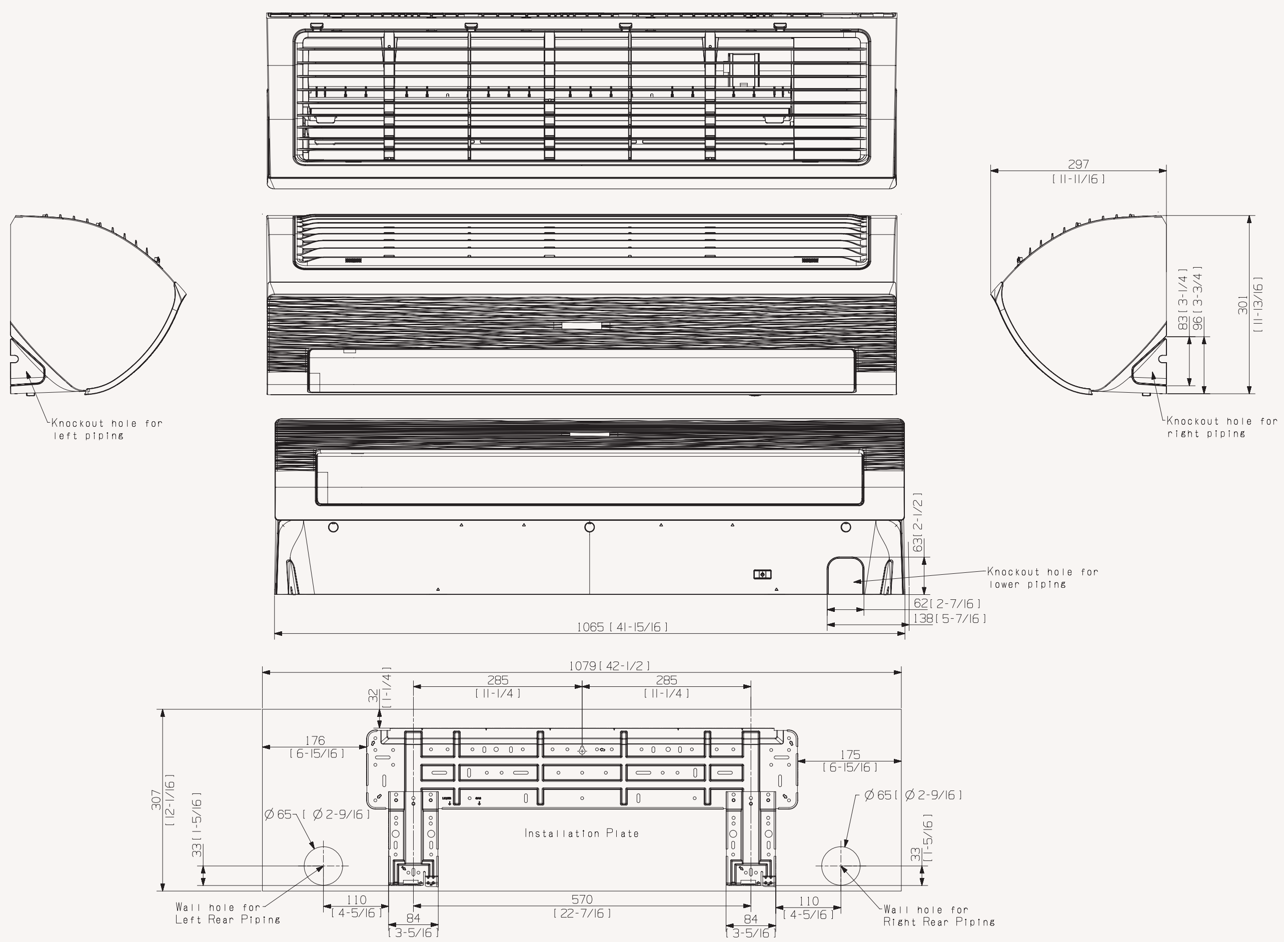
Commercial

Commercial

Dimensional Drawings

Wall-Mounted Triangle

AC071*NADK*/EU



Commercial

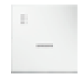
Commercial

Specifications

Wall-Mounted Max (R32)

- Full HD Filter
- Wi-Fi Kit (Optional)

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC100RNTDKG/EU AC100RXADKG/EU AC100RXADNG/EU
Capacity			
	Cooling (Min/Nominal/Max)	kW	3.0 / 9.5 / 11.0
	Heating up to +7°C (Min/Nominal/Max)	kW	2.2 / 10.8 / 15.5
	Heating @ -5°C	kW	10.6
	Heating @ -15°C	kW	9.4
Performance			
Energy Efficiency Cooling	SEER	W/W	5.9 / A+
	Consumption	kWh/a	564
	Pdesignc	kW	9.5
	EER	W/W	2.53
Energy Efficiency Heating	SCOP	W/W	4.0 / A+
	Consumption	kWh/a	1960
	Pdesignh (average)	kW	5.6
	COP	W/W	2.82
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	22.7 / 19.8 / 17.8
Sound Power	Indoor Unit	dB(A)	65
	Outdoor Unit	dB(A)	69
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	37 / 43 / 46 / 49
	Outdoor Unit	dB(A)	52 / 54
Fan/ Outdoor unit	Type		Crossflow Fan
	Power	W	58
	Number	EA	2
External Static Pressure	Min / Std / Max	Pa	
Operating Temp. Range	Cooling	°C	-15 ~ 50
	Heating	°C	-20 ~ 24
Electrical Data			
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #	380~415/ 50/ 3/ 4
Compressor Type	Outdoor Unit	Type	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.60 / 3.75 / 5.10
	Heating	kW	0.46 / 3.82 / 5.40
Current Input	Cooling (Min/Std/Max)	A	3.0 / 16.3 / 22.5
	Heating (Min/Std/Max)	A	2.5 / 16.7 / 23.0
	Cooling- Tri-Phase (Min/Std/Max)	A	1.5 / 5.7 / 7.7
	Heating- Tri-Phase (Min/Std/Max)	A	1.2 / 5.7 / 8.4
Dimensions			
Net Dimensions (W x H x D)	Indoor Unit	mm	1280 x 345 x 253
	Outdoor Unit	mm	940 x 998 x 330
Net Weight	Indoor Unit	kg	18.5
	Outdoor Unit	kg	75,0
Refrigerant			
Refrigerant	Type		R32(Contains fluorinated greenhouse gases. GWP=675)
	Factory charging	kg	2.7 / 30m
	Charging Ton equivalent CO2	tCO2e	1.82 tCO2e
	Additional refrigerant charging	g / m	50
Piping Connections	Liquid Pipe	Φ.inch	3 / 8
	Gas Pipe	Φ.inch	5 / 8
Piping Length	Min/ Max	m	3 / 50
Piping Height	Max	m	30
Piping Connections	Drain pipe	Φ.mm	VP-25(OD32. ID25)

Accessories			
Individual Controllers (Optional)		Others (Optional)	
 MWR-SH11N	 MWR-WE13N	 MIM-H03N	 MRW-TA

Wall-Mounted Max (R410A)

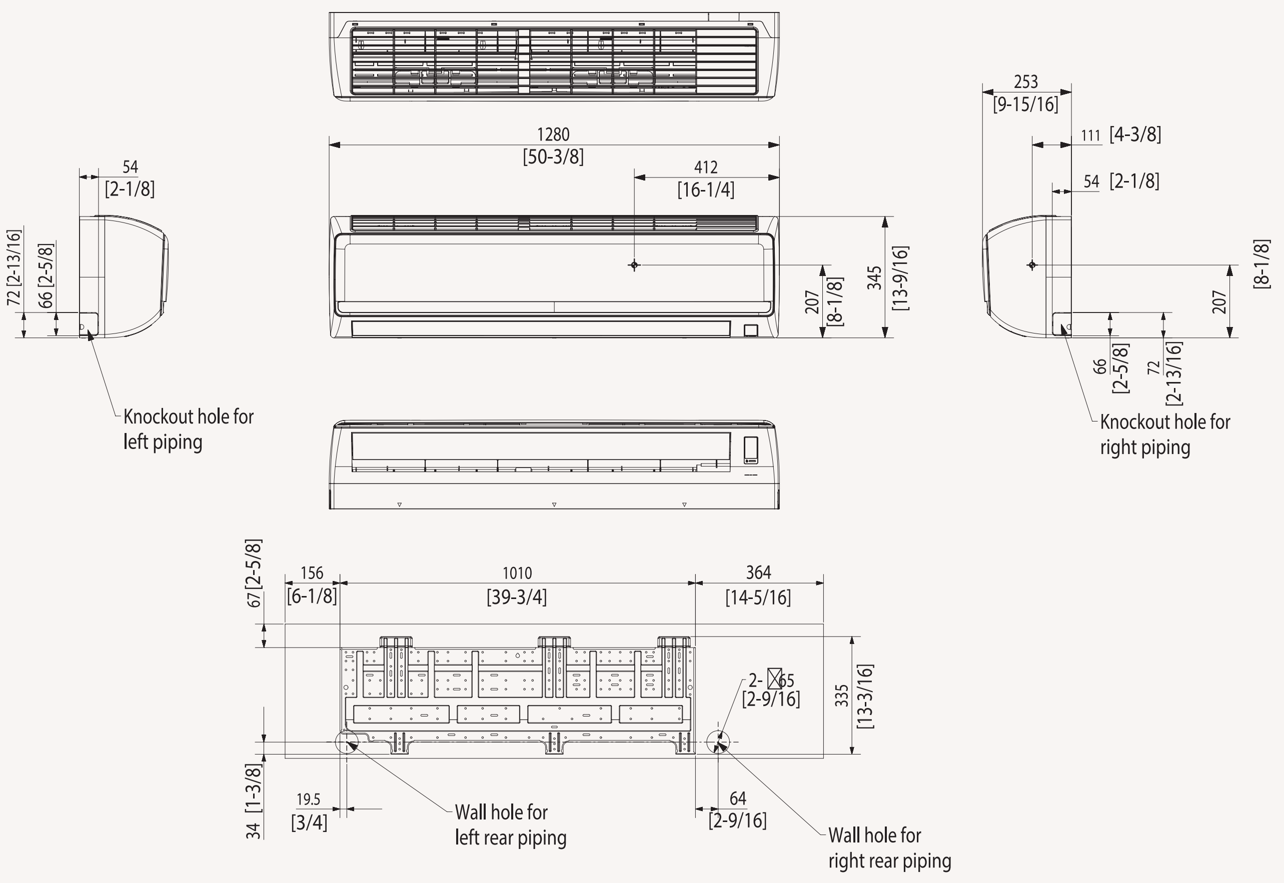
Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC100MNTDEH/EU AC100MXADKH/EU
Capacity			
	Cooling (Min/Nominal/Max)	kW	3.0 / 9.5 / 11.0
	Heating up to +7°C (Min/Nominal/Max)	kW	2.2 / 10.8 / 15.5
	Heating @ -5°C	kW	10.6
	Heating @ -15°C	kW	9.4
Performance			
Energy Efficiency Cooling	SEER	W/W	5.8 / A+
	Consumption	kWh/a	573
	Pdesignc	kW	9.5
	EER	W/W	2.5
Energy Efficiency Heating	SCOP	W/W	4.0 / A+
	Consumption	kWh/a	1960
	Pdesignh (average)	kW	5.6
	COP	W/W	2.88
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	24.0/ 21.5/ 19.0
Sound Power	Indoor Unit	dB(A)	65
	Outdoor Unit	dB(A)	69
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	37 / 43 / 46 / 49
	Outdoor Unit	dB(A)	52 / 54
Fan/ Outdoor unit	Type		Crossflow
	Power	W	58
	Number	EA	2
External Static Pressure	Min / Std / Max	Pa	
Operating Temp. Range	Cooling	°C	-15.0 ~ 50.0
	Heating	°C	-20.0 ~ 24.0
Electrical Data			
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #	
Compressor Type	Outdoor Unit	Type	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.6 / 3.8 / 5.1
	Heating	kW	0.46 / 3.75 / 5.4
Current Input	Cooling (Min/Std/Max)	A	3.0 / 16.7 / 22.5
	Heating (Min/Std/Max)	A	2.5 / 16.6 / 23.0
	Cooling- Tri-Phase (Min/Std/Max)	A	
	Heating- Tri-Phase (Min/Std/Max)	A	
Dimensions			
Net Dimensions (W x H x D)	Indoor Unit	mm	1280 x 345 x 253
	Outdoor Unit	mm	940 x 998 x 330
Net Weight	Indoor Unit	kg	18.5
	Outdoor Unit	kg	72,0
Refrigerant			
Refrigerant	Type		R410A(Contains fluorinated greenhouse gases. GWP=2.088)
	Factory charging	kg	3.0 / 30m
	Charging Ton equivalent CO2	tCO2e	6.26 tCO2e
	Additional refrigerant charging	g / m	50
Piping Connections	Liquid Pipe	Φ.inch	3 / 8
	Gas Pipe	Φ.inch	5 / 8
Piping Length	Min/ Max	m	50
Piping Height	Max	m	30
Piping Connections	Drain pipe	Φ.mm	ID 18

Commercial

Dimensional Drawings

Wall-Mounted Max

AC100*NTD**/EU



Commercial

Specifications

Console (R32)

- SPi Ionizer device (included).
- Slim design: only 100 mm width.
- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000 step).
- Two separate air outlets, upper (cooling) and bottom (heating) to avoid stratifications.
- Long-life washable permanent filter.
- Auto Restart function.

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC026RNJDKG/EU AC026RXADKG/EU	AC035RNJDKG/EU AC035RXADKG/EU	AC052RNJDKG/EU AC525RXADKG/EU
Capacity					
	Cooling (Min/Nominal/Max)	kW	1.0 / 2.6 / 3.4	1.0 / 2.6 / 3.4	1.9 / 5.0 / 5.5
	Heating up to +7°C (Min/Nominal/Max)	kW	1.0 / 3.5 / 4.2	1.1 / 4.0 / 4.6	1.5 / 5.6 / 6.5
	Heating @ -5°C	kW	3.4	3.9	5.5
	Heating @ -15°C	kW	3,00	3.5	4.9
Performance					
Energy Efficiency Cooling	SEER	W/W	6.4 / A++	6.1 / A++	5.9 / A+
	Consumption	kWh/a	142	201	297
	Pdesignc	kW	2.6	3.5	5,0
	EER	W/W	3.61	3.12	2.79
Energy Efficiency Heating	SCOP	W/W	4.2 / A+	4.1 / A+	4.0 / A+
	Consumption	kWh/a	667	683	840
	Pdesignh (average)	kW	2,0	2,0	2.4
	COP	W/W	3.3	3.07	3.01
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	7.5 / 6.8 / 6.0	8.5 / 7.2 / 6.2	9.4 / 8.4 / 7.4
Sound Power	Indoor Unit	dB(A)	53	55	60
	Outdoor Unit	dB(A)	59	61	62
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	23 / 26 / 31 / 36	24 / 30 / 34 / 38	32 / 35 / 39 / 43
	Outdoor Unit	dB(A)	46 / 47	48 / 48	48 / 48
Fan/ Outdoor unit	Type		Turbo	Turbo	Turbo
	Power	W	37	35	35
	Number	EA	1	1	1
External Static Pressure	Min / Std / Max	Pa			
Operating Temp. Range	Cooling	°C	-15 ~ 46	-15 ~ 46	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data					
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #			
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.23 / 0.72 / 1.20	0.25 / 1.12 / 1.50	0.25 / 1.79 / 2.20
	Heating	kW	0.21 / 1.06 / 1.45	0.21 / 1.30 / 1.80	0.25 / 1.86 / 2.50
Current Input	Cooling (Min/Std/Max)	A	0.25 / 1.86 / 2.50	0.25 / 1.86 / 2.50	2.6 / 8.0 / 10.0
	Heating (Min/Std/Max)	A	1.3 / 5.0 / 7.0	1.3 / 5.9 / 10.5	2.3 / 8.3 / 14.0
	Cooling- Tri-Phase (Min/Std/Max)	A			
	Heating- Tri-Phase (Min/Std/Max)	A			
Dimensions					
Net Dimensions (W x H x D)	Indoor Unit	mm	720 x 199 x 620	720 x 199 x 620	720 x 199 x 620
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310
Net Weight	Indoor Unit	kg	16,0	16,0	16,0
	Outdoor Unit	kg	32.5	35.5	46.5
Refrigerant					
Refrigerant	Type		R32(Contains fluorinated greenhouse gases. GWP=675)		
	Factory charging	kg	0.9 / 20m	0.9 / 20m	1.2 / 10m
	Charging Ton equivalent CO2	tCO2e	0.61 tCO2e	0.61 tCO2e	0.81 tCO2e
	Additional refrigerant charging	g / m	-	-	15
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4	1 / 4
	Gas Pipe	Φ.inch	3 / 8	3 / 8	1 / 2
Piping Length	Min/ Max	m	3 / 20	3 / 20	3 / 30
Piping Height	Max	m	15	15	20
Piping Connections	Drain pipe	Φ.mm	ID 18	ID 18	ID 18

Console (R410A)

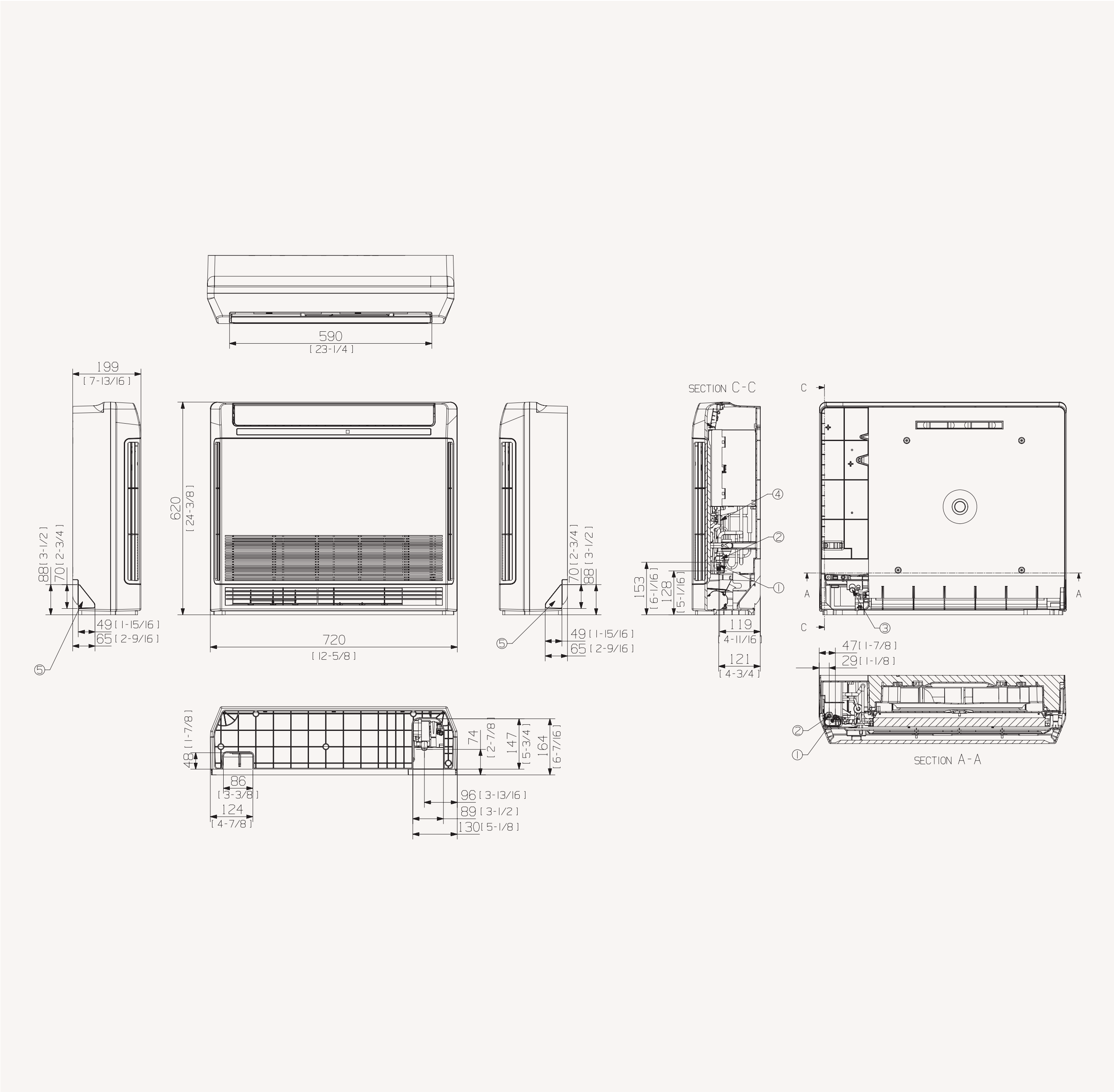
Accessories			
Individual Controllers (Optional)			Others (Optional)
			
MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC026MNJDKH/EU AC026MXADKH/EU	AC035MNJDKH/EU AC035MXADKH/EU	AC052MNJDKH/EU AC052MXADKH/EU
Capacity					
	Cooling (Min/Nominal/Max)	kW	0.98 / 2.60 / 3.40	1.15 / 3.50 / 3.90	1.90 / 5.00 / 5.50
	Heating up to +7°C (Min/Nominal/Max)	kW	0.95 / 3.50 / 4.20	1.05 / 4.00 / 4.60	1.50 / 5.60 / 6.50
	Heating @ -5°C	kW	3.43	3.92	5.49
	Heating @ -15°C	kW	3.05	3.48	4.87
Performance					
Energy Efficiency Cooling	SEER	W/W	6.3 / A++	6.1 / A++	5.9 / A+
	Consumption	kWh/a	144	201	297
	Pdesignc	kW	2.6	3.5	5,0
	EER	W/W	3.71	3.21	2.86
Energy Efficiency Heating	SCOP	W/W	4.6 / A++	4.3 / A+	3.8 / A
	Consumption	kWh/a	670	716	1032
	Pdesignh (average)	kW	2.2	2.2	2.8
	COP	W/W	3.5	3.31	3.24
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	29.0	30.0	40.0
Sound Power	Indoor Unit	dB(A)	53	55	60
	Outdoor Unit	dB(A)	59	61	62
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	23 / 26 / 31 / 36	24 / 30 / 34 / 38	25 / 35 / 39 / 43
	Outdoor Unit	dB(A)	46 / 47	48 / 48	48 / 48
Fan/ Outdoor unit	Type		Turbo	Turbo	Turbo
	Power	W	37	35	35
	Number	EA	1	1	1
External Static Pressure	Min / Std / Max	Pa			
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data					
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #			
Compressor Type	Outdoor Unit	Type	Single BLDC	Single BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.23 / 0.70 / 1.20	0.25 / 1.09 / 1.50	0.25 / 1.75 / 2.20
	Heating	kW	0.21 / 1.00 / 1.45	0.21 / 1.21 / 1.80	0.25 / 1.73 / 2.50
Current Input	Cooling (Min/Std/Max)	A	1.6 / 4.0 / 5.5	1.6 / 5.6 / 7.5	2.6 / 7.9 / 10.0
	Heating (Min/Std/Max)	A	1.3 / 5.0 / 7.0	1.3 / 5.9 / 10.5	2.3 / 7.9 / 14.0
	Cooling- Tri-Phase (Min/Std/Max)	A			
	Heating- Tri-Phase (Min/Std/Max)	A			
Dimensions					
Net Dimensions (W x H x D)	Indoor Unit	mm	720 x 199 x 620	720 x 199 x 620	720 x 199 x 620
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285	880 x 638 x 310
Net Weight	Indoor Unit	kg	16,0	16,0	16.2
	Outdoor Unit	kg	32.8	32.8	43.8
Refrigerant					
Refrigerant	Type		R410A(Contains fluorinated greenhouse gases. GWP=2.088)		
	Factory charging	kg	1.05 / 20m	1.05 / 20m	1.30 / 5m
	Charging Ton equivalent CO2	tCO2e	2.19 tCO2e	2.19 tCO2e	2.71 tCO2e
	Additional refrigerant charging	g / m	-	-	10
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4	1 / 4
	Gas Pipe	Φ.inch	3 / 8	3 / 8	1 / 2
Piping Length	Min/ Max	m	20	20	30
Piping Height	Max	m	15	15	20
Piping Connections	Drain pipe	Φ.mm	ID 18	ID 18	ID 18

Dimensional Drawings

Console

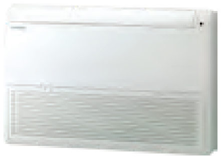
AC026/035/052*NJDK*/EU



Pos.	Name	Model	
		AC026*NJDK*/EU	AC035*NJDK*/EU AC052*NJDK*/EU
1	Liquid piping	ø 6,35 mm (1/4")	
2	Gas piping	ø 9,52mm (3/8")	ø 12,7 mm (1/2")
3	Condensation drain piping	ID18mm [11/16"] Hose	
4	Power supply cables connection / communication	-	
5	Condensation drain piping	-	

Commercial

Specifications



Ceiling (R32) NEW

- Vertical or horizontal installation.
- Air supply by means of one adjustable blade; Blade angle between 4 ° and 45 °.
- Reduced noise thanks to the remotely controlled EEV valve.
- Long-life washable HD 40 permanent filter is included.

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC052RNCDKG/EU AC052RXADKG/EU	AC071RNCDKG/EU AC071RXADKG/EU
Capacity				
	Cooling (Min/Nominal/Max)	kW	1.20 / 5.00 / 6.50	1.50 / 7.10 / 8.70
	Heating up to +7°C (Min/Nominal/Max)	kW	1.70 / 6.00 / 7.70	1.90 / 8.00 / 9.00
	Heating @ -5°C	kW	5.9	7.8
	Heating @ -15°C	kW	5.2	7,00
Performance				
Energy Efficiency Cooling	SEER	W/W	6.1 / A++	5.6 / A+
	Consumption	kWh/a	273	444
	Pdesignc	kW	5,0	7.1
	EER	W/W	3.05	2.42
Energy Efficiency Heating	SCOP	W/W	3.9 / A	3.9 / A
	Consumption	kWh/a	862	1256
	Pdesignh (average)	kW	2.4	3.5
	COP	W/W	3.37	2.74
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	12.6 / 11.3 / 10.0	15.2 / 14.1 / 13.1
Sound Power	Indoor Unit	dB(A)	60	64
	Outdoor Unit	dB(A)	62	65
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	36 / 39 / 41	42 / 44 / 46
	Outdoor Unit	dB(A)	48 / 48	49 / 51
Fan/ Outdoor unit	Type		Sirroco	Sirroco
	Power	W	40	40
	Number	EA	2	2
External Static Pressure	Min / Std / Max	Pa		
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24
Electrical Data				
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #		
Compressor Type	Outdoor Unit	Type	Twin BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.48 / 1.58 / 1.90	0.35 / 2.87 / 3.60
	Heating	kW	0.43 / 1.92 / 3.05	0.35 / 3.05 / 3.95
Current Input	Cooling (Min/Std/Max)	A	2.8 / 7.2 / 9.0	2.0 / 12.4 / 16.0
	Heating (Min/Std/Max)	A	2.4 / 8.5 / 14.5	2.0 / 13.2 / 17.0
	Cooling- Tri-Phase (Min/Std/Max)	A		
	Heating- Tri-Phase (Min/Std/Max)	A		
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	1000 x 200 x 650	1000 x 200 x 650
	Outdoor Unit	mm	880 x 638 x 310	880 x 798 x 310
Net Weight	Indoor Unit	kg	20,0	20,0
	Outdoor Unit	kg	43,0	51,0
Refrigerant				
Refrigerant	Type		R32(Contains fluorinated greenhouse gases. GWP=675)	
	Factory charging	kg	1.2 / 10m	1.7 / 15m
	Charging Ton equivalent CO2	tCO2e	0.81 tCO2e	1.15 tCO2e
	Additional refrigerant charging	g / m	15	25
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4
	Gas Pipe	Φ.inch	1 / 2	5 / 8
Piping Length	Min/ Max	m	3 / 30	3 / 50
Piping Height	Max	m	20	30
Piping Connections	Drain pipe	Φ.mm	ID 18	ID 18

Commercial

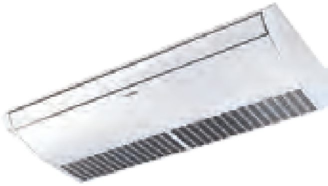
Ceiling (R410A)

Accessories			
Individual Controllers (Optional)		Others (Optional)	
			
MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC052MNCDKH/EU AC052MXADKH/EU	AC071MNCDKH/EU AC071MXADKH/EU
Capacity				
	Cooling (Min/Nominal/Max)	kW	1.70 / 5.00 / 5.60	2.20 / 7.10 / 8.00
	Heating up to +7°C (Min/Nominal/Max)	kW	1.70 / 6.00 / 7.70	1.90 / 8.00 / 9.00
	Heating @ -5°C	kW	5.88	7.84
	Heating @ -15°C	kW	5.22	6.96
Performance				
Energy Efficiency Cooling	SEER	W/W	6.1 / A++	5.6 / A+
	Consumption	kWh/a	287	444
	Pdesignc	kW	5,0	7.1
	EER	W/W	3.05	2.42
Energy Efficiency Heating	SCOP	W/W	3.9 / A	3.9 / A
	Consumption	kWh/a	862	1256
	Pdesignh (average)	kW	2.4	3.5
	COP	W/W	3.37	2.74
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	12.6 / 11.3 / 10.0	15.2 / 14.1 / 13.1
Sound Power	Indoor Unit	dB(A)	60	64
	Outdoor Unit	dB(A)	62	65
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	36 / 39 / 41	42 / 44 / 46
	Outdoor Unit	dB(A)	48 / 48	49 / 51
Fan/ Outdoor unit	Type		Sirroco	Sirroco
	Power	W	40	40
	Number	EA	2	2
External Static Pressure	Min / Std / Max	Pa		
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24
Electrical Data				
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #		
Compressor Type	Outdoor Unit	Type	Twin BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.48 / 1.64 / 1.90	0.35 / 2.93 / 3.95
	Heating	kW	0.43 / 1.78 / 3.05	0.35 / 2.92 / 3.95
Current Input	Cooling (Min/Std/Max)	A	2.8 / 7.4 / 9.0	2.0 / 12.8 / 17.0
	Heating (Min/Std/Max)	A	2.4 / 7.9 / 14.5	2.0 / 12.8 / 17.0
	Cooling- Tri-Phase (Min/Std/Max)	A		
	Heating- Tri-Phase (Min/Std/Max)	A		
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	1000 x 200 x 650	1000 x 200 x 650
	Outdoor Unit	mm	880 x 638 x 310	880 x 798 x 310
Net Weight	Indoor Unit	kg	20,0	20,0
	Outdoor Unit	kg	43.8	53,0
Refrigerant				
Refrigerant	Type		R410A(Contains fluorinated greenhouse gases. GWP=2.088)	
	Factory charging	kg	1.30 / 5m	1.50 / 5
	Charging Ton equivalent CO2	tCO2e	2.71 tCO2e	3.13 tCO2e
	Additional refrigerant charging	g / m	10	20
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4
	Gas Pipe	Φ.inch	1 / 2	5 / 8
Piping Length	Min/ Max	m	30	50
Piping Height	Max	m	20	30
Piping Connections	Drain pipe	Φ.mm	ID 18	ID 18

Commercial

Specifications

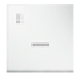


Big Ceiling (R32) NEW

- Vertical or horizontal installation.
- Air supply by means of one adjustable blade; Blade angle between 4 ° and 45 °.
- Reduced noise thanks to the remotely controlled EEV valve.
- Long-life washable HD 40 permanent filter is included.

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC100RNCDKG/EU AC100RXADKG/EU AC100RXADNG/EU	AC120RNCDKG/EU AC120RXADKG/EU AC120RXADNG/EU	AC140RNCDKG/EU AC140RXADKG/EU AC140RXADNG/EU
Capacity					
	Cooling (Min/Nominal/Max)	kW	3.0 / 10.0 / 12.0	3.0 / 12.0 / 13.5	3.5 / 13.4 / 15.5
	Heating up to +7°C (Min/Nominal/Max)	kW	3.0 / 12.0 / 13.5	3.0 / 12.0 / 13.5	3.5 / 15.5 / 18.0
	Heating @ -5°C	kW	11,0	12.9	15.2
	Heating @ -15°C	kW	9.7	11.5	13.5
Performance					
Energy Efficiency Cooling	SEER	W/W	6.1 / A++	5.9 / A+	6.1
	Consumption	kWh/a	574	TBD	-
	Pdesignc	kW	10,0	TBD	-
	EER	W/W	3.05	2.76	2.97
Energy Efficiency Heating	SCOP	W/W	4.0 / A+	4.0 / A+	4,0
	Consumption	kWh/a	1820	TBD	-
	Pdesignh (average)	kW	5.2	6.5	-
	COP	W/W	3.44	3.44	3.41
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	26.0 / 23.0 / 19.0	26.0 / 23.0 / 19.0	30.0 / 24.0 / 20.0
Sound Power	Indoor Unit	dB(A)	60	62	64
	Outdoor Unit	dB(A)	69	70	69
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	34 / 38 / 42	37 / 41 / 44	38 / 42 / 48
	Outdoor Unit	dB(A)	52 / 54	54 / 56	53 / 54
Fan/ Outdoor unit	Type		Sirocco	Sirocco	Sirocco
	Power	W	244	244	244
	Number	EA	4	4	4
External Static Pressure	Min / Std / Max	Pa			
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24
Electrical Data					
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4
Compressor Type	Outdoor Unit	Type	Twin BLDC	Twin BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.60 / 3.28 / 4.70	0.90 / 4.35 / 5.30	0.80 / 4.50 / 6.45
	Heating	kW	0.46 / 3.25 / 5.40	0.70 / 3.83 / 5.60	0.70 / 4.54 / 7.36
Current Input	Cooling (Min/Std/Max)	A	3.0 / 14.6 / 20.4	5.1 / 19.1 / 24.0	3.7 / 19.7 / 28.0
	Heating (Min/Std/Max)	A	2.5 / 14.2 / 23.0	3.9 / 17.0 / 26.0	3.5 / 19.8 / 32.0
	Cooling- Tri-Phase (Min/Std/Max)	A	1.5 / 5.0 / 7.1	1.7 / 6.6 / 10.0	2.1 / 7.0 / 10.5
	Heating- Tri-Phase (Min/Std/Max)	A	1.2 / 5.1 / 8.4	1.5 / 6.2 / 12.0	1.9 / 7.0 / 12.0
Dimensions					
Net Dimensions (W x H x D)	Indoor Unit	mm	1650 x 235 x 675	1650 x 235 x 675	1650 x 235 x 675
	Outdoor Unit	mm	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330
Net Weight	Indoor Unit	kg	42,0	42,0	41.5
	Outdoor Unit	kg	75,0	81,0	91.5
Refrigerant					
Refrigerant	Type		R32(Contains fluorinated greenhouse gases. GWP=675)		
	Factory charging	kg	2.7 / 30m	2.7 / 30m	2.9 / 30m
	Charging Ton equivalent CO2	tCO2e	1.82 tCO2e	1.82 tCO2e	1.96 tCO2e
	Additional refrigerant charging	g / m	50	50	50
Piping Connections	Liquid Pipe	Φ.inch	3 / 8	3 / 8	3 / 8
	Gas Pipe	Φ.inch	5 / 8	5 / 8	5 / 8
Piping Length	Min/ Max	m	50	50	75
Piping Height	Max	m	30	30	30
Piping Connections	Drain pipe	Φ.mm	VP25 (OD32.ID25)	VP25 (OD32.ID25)	VP25 (OD32.ID25)

Big Ceiling (R410A)

Accessories			
Individual Controllers (Optional)		Others (Optional)	
			
MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA

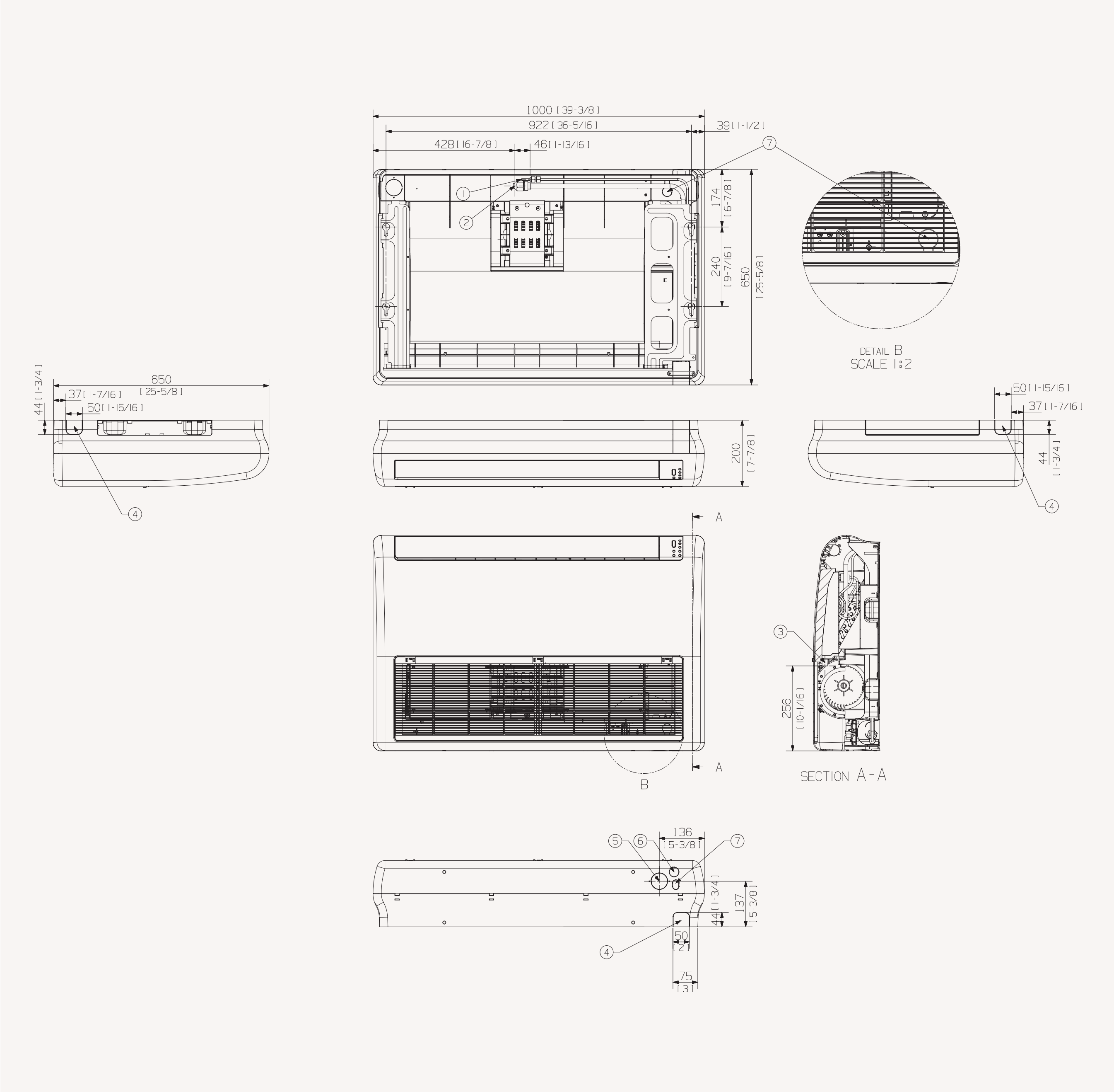
Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC100MNCDKH/EU AC100MXADKH/EU AC100MXADNH/EU	AC120MNCDKH/EU AC120MXADKH/EU AC120MXADNH/EU	AC140MNCDKH/EU AC140MXADKH/EU AC140MXADNH/EU	AC160JNCDEH/EU - AC160JXADGH/EU
Capacity						
	Cooling (Min/Nominal/Max)	kW	3.00 / 10.00 / 12.00	3.50 / 12.00 / 13.50	3.50 / 13.40 / 15.50	4.30 / 15.00 / 17.30
	Heating up to +7°C (Min/Nominal/Max)	kW	2.20 / 11.20 / 15.50	3.80 / 13.00 / 16.50	3.50 / 15.50 / 18.00	4.70 / 17.50 / 19.00
	Heating @ -5°C	kW	10.98	12.74	15.19	-
	Heating @ -15°C	kW	9.74	11.31	13.49	-
Performance						
Energy Efficiency Cooling	SEER	W/W	5.8 / A+	5.7 / A+	-	-
	Consumption	kWh/a	603	737	-	-
	Pdesignc	kW	10,0	12,0	-	-
	EER	W/W	2.94	2.61	3.01	2.84
Energy Efficiency Heating	SCOP	W/W	4.0 / A+	4.1 / A+	-	-
	Consumption	kWh/a	1820	2527	-	-
	Pdesignh (average)	kW	5.2	7.4	-	-
	COP	W/W	3.5	3.42	3.41	3.6
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	26.0 / 23.0 / 19.0	30.0 / 24.0 / 20.0	34.0 / 27.0 / 23.0	37.00/ 31.00/ 26.00
Sound Power	Indoor Unit	dB(A)	60	62	64	68
	Outdoor Unit	dB(A)	69	70	69	-
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	34 / 38 / 42	37 / 41 / 44	38 / 42 / 46	44 / 47 / 51
	Outdoor Unit	dB(A)	52 / 54	54 / 56	53 / 54	56.0 / 58.0
Fan/ Outdoor unit	Type		Sirroco	Sirroco	Sirroco	Sirroco
	Power	W	244	244	244	244
	Number	EA	4	4	4	4
External Static Pressure	Min / Std / Max	Pa				
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15~50
	Heating	°C	-20 ~ 24	-20 ~ 24	-20 ~ 24	-20~24
Electrical Data						
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4
Compressor Type	Outdoor Unit	Type	Twin BLDC	Twin BLDC	Twin BLDC	Twin BLDC
Power (Min/ Nominal/Max)	Cooling	kW	0.60 / 3.40 / 4.70	0.90 / 4.60 / 5.50	0.80 / 4.45 / 6.44	0.90 / 5.28 / 6.40
	Heating	kW	0.46 / 3.20 / 5.40	0.70 / 3.80 / 5.60	0.70 / 4.54 / 7.36	0.80 / 4.86 / 6.50
Current Input	Cooling (Min/Std/Max)	A	3.0 / 14.6 / 20.4	5.1 / 20.4 / 23.5	3.7 / 20.0 / 28.0	-
	Heating (Min/Std/Max)	A	2.5 / 14.2 / 23.0	3.9 / 17.1 / 22.8	3.5 / 19.5 / 32.0	-
	Cooling- Tri-Phase (Min/Std/Max)	A	1.50 / 5.30 / 7.10	1.70 / 7.20 / 9.50	2.10 / 7.00 / 12.00	1.70 / 8.20 / 9.80
	Heating- Tri-Phase (Min/Std/Max)	A	**1.20 / 4.90 / 8.40**	**1.50 / 5.90 / 9.10**	**1.90 / 7.00 / 12.00**	**1.70 / 7.50 / 10.00**
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	1650 x 235 x 675	1650 x 235 x 675	1650 x 235 x 675	1650 x 235 x 675
	Outdoor Unit	mm	940 x 998 x 330	940 x 998 x 330	940 x 1210 x 330	940 x 1420 x 330
Net Weight	Indoor Unit	kg	41.4	41.4	41.4	42.0
	Outdoor Unit	kg	72,0	77,0	87,0	96,0
Refrigerant						
Refrigerant	Type		R410A(Contains fluorinated greenhouse gases. GWP=2.088)			
	Factory charging	kg	3.0	3.0	3.4	3.5
	Charging Ton equivalent CO2	tCO2e	6.26 tCO2e	6.26 tCO2e	7.1 tCO2e	7.31 tCO2e
	Additional refrigerant charging	g / m	50	50	50	50
Piping Connections	Liquid Pipe	Φ.inch	3 / 8	3 / 8	3 / 8	3 / 8
	Gas Pipe	Φ.inch	5 / 8	5 / 8	5 / 8	5 / 8
Piping Length	Min/ Max	m	50	50	75	75
Piping Height	Max	m	30	30	30	30
Piping Connections	Drain pipe	Φ.mm	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	VP25 (OD 32.ID 25)	OD 25 / ID 20

Commercial

Dimensional Drawings

Ceiling

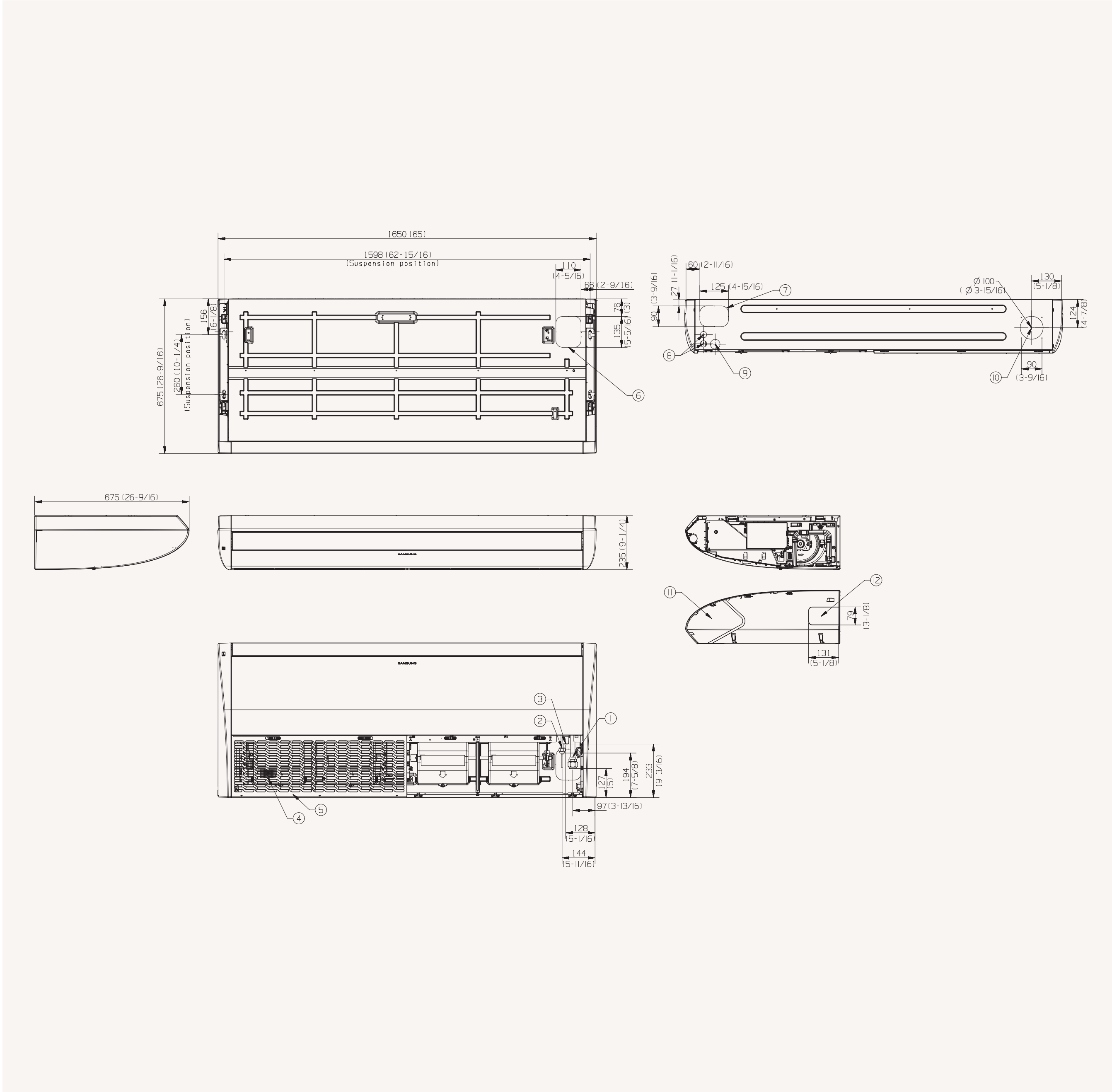
AC052/071*NCDK*/EU



Pos.	Name	Model	
		AC052MNCDKH/EU	AC071MNCDKH/EU
1	Liquid piping	ø 6,35 mm (1/4")	
2	Gas piping	ø 12,7 mm (1/2")	ø15,88 mm (5/8")
3	Condensation drain piping	ID18mm [11/16"] Hose	
4	Piping connection	-	
5	Connection for external air	ø 50 [2]	
6	Connection of the condensation drain pipe	-	
7	Connection of the communication cables	-	

Big Ceiling

AC100/120/140*NCDK*/EU / AC160JNCDEH/EU



No.	Name	Description
1	Liquid pipe connection	Φ9.52(3/8)
2	Gas pipe connection	Φ15.88(5/8)
3	Drain pipe connection	VP-25(OD32, ID25)
4	Air filter	
5	Air suction grille	
6	Knockout hole for piping (upper)	

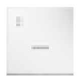
No.	Name	Description
7	Knockout hole for piping (rear)	Φ28 [1-1/8]
8	Conduit Hole	Φ42 [1-5/16]
9	Knockout hole for drain hose	
10	Knockout hole for Fresh air intake	
11	Cover side	
12	Knockout hole for piping (side)	

Specifications

Floor-Standing (R410A)

- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000 step).
- 'Silent' operation (Sound pressure at low fan speed: 30 ~ 32 dBA).
- Long-life washable permanent filter.
- Auto Restart function.

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC100KNPDEH/EU AC100KXADEH/EU -	AC140KNPDEH/EU - AC140KXADGH/EU
Capacity				
	Cooling (Min/Nominal/Max)	kW	3.5 / 10.0 / 12.3	4.2 / 13.4 / 16.7
	Heating up to +7°C (Min/Nominal/Max)	kW	4.2 / 11.2 / 14.0	4.0 / 15.5 / 20.0
	Heating @ -5°C	kW	11,00	15.2
	Heating @ -15°C	kW	9.6	13.5
Performance				
Energy Efficiency Cooling	SEER	W/W	5.8 / A+	-
	Consumption	kWh/a	603	-
	Pdesignc	kW	10,0	-
	EER	W/W	2.7	3.1
Energy Efficiency Heating	SCOP	W/W	4.1 / A+	-
	Consumption	kWh/a	1810	-
	Pdesignh (average)	kW	5.3	-
	COP	W/W	3.3	3.44
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	29.0	35.5
Sound Power	Indoor Unit	dB(A)	60	63
	Outdoor Unit	dB(A)	70	70
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	41 / 44 / 47	45 / 48 / 51
	Outdoor Unit	dB(A)	53 / 55	53 / 54
Fan/ Outdoor unit	Type		Sirocco	Sirocco
	Power	W	97	154
	Number	EA	1	1
External Static Pressure	Min / Std / Max	Pa		
Operating Temp. Range	Cooling	°C	-15 ~ 50	-15 ~ 50
	Heating	°C	-20 ~ 24	-20 ~ 24
Electrical Data				
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	3.4.380-415.50
	Outdoor Unit 3P	V / Hz / Φ/ #		
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/ Nominal/Max)	Cooling	kW	1.10 / 3.70 / 4.90	0.90 / 4.32 / 5.90
	Heating	kW	0.90 / 3.39 / 4.50	0.70 / 4.50 / 6.60
Current Input	Cooling (Min/Std/Max)	A	4.3 / 16.4 / 23.2	1.9 / 6.8 / 9.5
	Heating (Min/Std/Max)	A	4.1 / 14.9 / 20.5	1.4 / 6.7 / 10.7
	Cooling- Tri-Phase (Min/Std/Max)	A		
	Heating- Tri-Phase (Min/Std/Max)	A		
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	610 x 1850 x 400	610 x 1850 x 400
	Outdoor Unit	mm	940 x 998 x 330	940 x 1210 x 330
Net Weight	Indoor Unit	kg	42.0	46.0
	Outdoor Unit	kg	72.0	85.0
Refrigerant				
Refrigerant	Type		R410A(Contains fluorinated greenhouse gases. GWP=2.088)	
	Factory charging	kg	3	3.5
	Charging Ton equivalent CO2	tCO2e	6.26 tCO2e	7.31 tCO2e
	Additional refrigerant charging	g / m	50	50
Piping Connections	Liquid Pipe	Φ.inch	3 / 8	3 / 8
	Gas Pipe	Φ.inch	5 / 8	5 / 8
Piping Length	Min/ Max	m	50	75
Piping Height	Max	m	30	30
Piping Connections	Drain pipe	Φ.mm	VP18	VP18

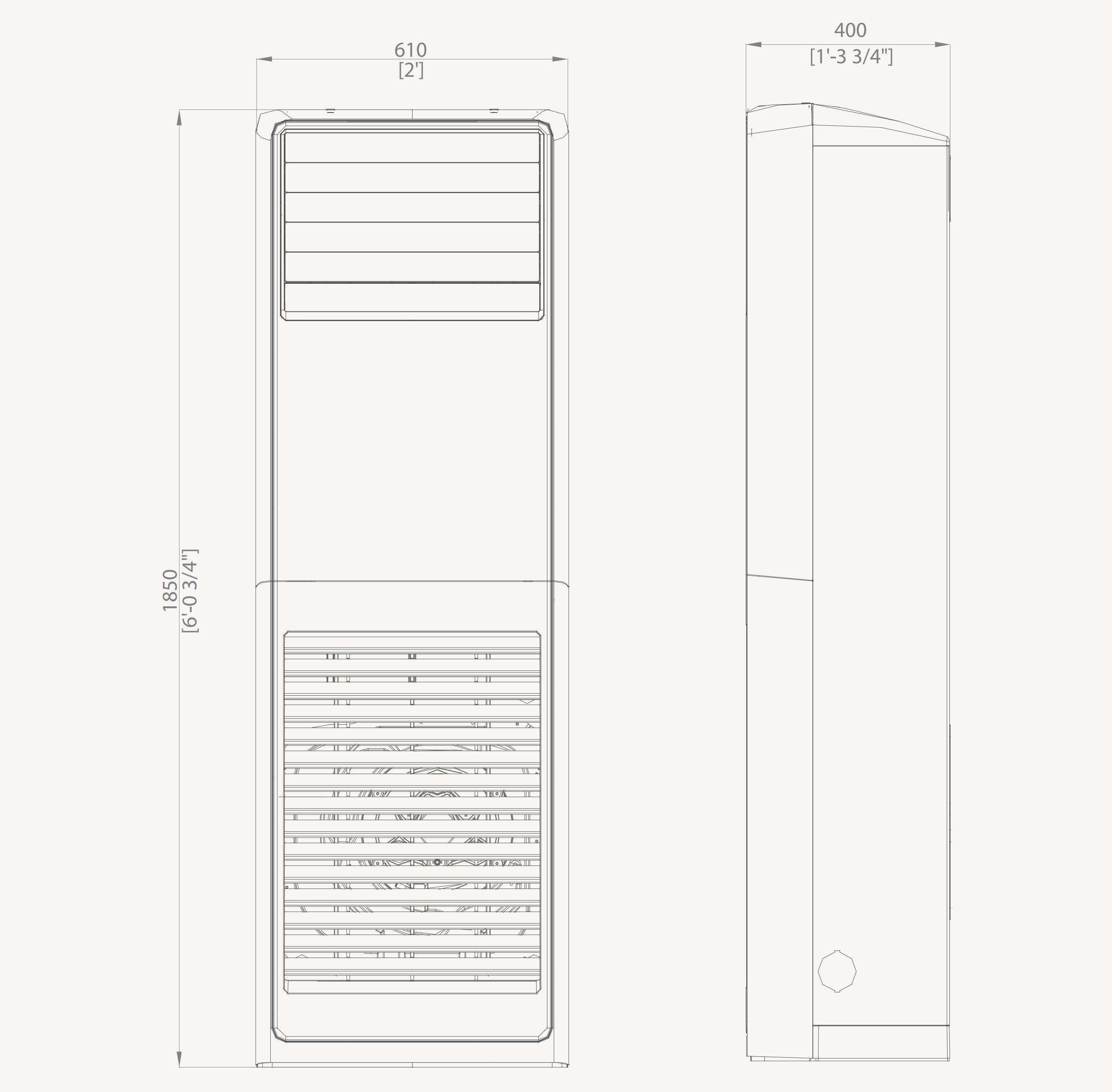
Accessories			
Individual Controllers (Optional)		Others (Optional)	
			
MWR-SH11N	MWR-WE13N	MIM-H03N	MRW-TA

Commercial

Dimensional Drawings

Floor-Standing

AC100KNPDEH/EU, AC140KNPDEH/EU



Pos.	Name	Description
1	Gas piping refrigerant	ø 15,88mm (5/8")
2	Liquid piping refrigerant	ø 9,52mm (3/8")
3	Condensation drain piping	-

Commercial

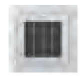
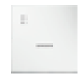
Specifications

4-Way Cassette (R410A High Efficiency)

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC071JN4CEH/EU AC071JXSCEH/EU -	AC100JN4CEH/EU AC100JXSCEH/EU AC100JXSCGH/EU	AC125JN4CEH/EU - AC125JXSCGH/EU
Capacity					
	Cooling (Min/Nominal/Max)	kW	1.7 / 7.10 / 8.50	2.2 / 10.00 / 12.00	2.2 / 12.50 / 14.00
	Heating up to +7°C (Min/Nominal/Max)	kW	3.00 / 8.00 / 11.00	3.30 / 11.20 / 17.00	3.30 / 14.00 / 19.00
Performance					
Energy Efficiency Cooling	SEER	W/W	6.7 / A++	7.0 / A++	-
	Consumption	kWh/a	371	500	-
	Pdesignc	kW	7.1	10.0	-
	EER	W/W	3.94	3.65	3.21
Energy Efficiency Heating	SCOP	W/W	4.0 / A+	4.1 / A+	-
	Consumption	kWh/a	2414	2494	-
	Pdesignh (average)	kW	6.9	7.3	-
	COP	W/W	4.02	4.01	3.71
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	19.50 / 17.50 / 15.50	30.0 / 24.0 / 18.90	30.0 / 24.0 / 18.90
Sound Power	Indoor Unit	dB(A)	53	59	60
	Outdoor Unit	dB(A)	65	66	69
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	30 / 33 / 36	33 / 38 / 43	34 / 39 / 44
	Outdoor Unit	dB(A)	49 / 49	50 / 50	52 / 52
Fan/ Outdoor unit	Type		Turbo	Turbo	Turbo
	Power	W	97	97	97
	Number	EA	1	1	1
External Static Pressure	Min / Std / Max	Pa			
Operating Temp. Range	Cooling	°C	-20 ~ 50	-20 ~ 50	-20 ~ 50
	Heating	°C	-25 ~ 24	-25 ~ 24	-25 ~ 24
Electrical Data					
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #	-	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/ Nominal/Max)	Cooling	kW	0.71 / 1.80 / 2.20	0.74 / 2.74 / 3.54	0.74 / 3.89 / 4.25
	Heating	kW	0.68 / 1.99 / 5.08	0.68 / 2.79 / 6.90	0.68 / 3.77 / 7.20
Current Input	Cooling (Min/Std/Max)	A	3.60 / 8.10 / 10.0	3.60 / 12.0 / 15.60	
	Heating (Min/Std/Max)	A	3.40 / 9.00 / 22.0	3.30/ 12.4 / 30.0	
	Cooling- Tri-Phase (Min/Std/Max)	A		1.40 / 4.40 / 5.50	1.40 / 6.00 / 6.60
	Heating- Tri-Phase (Min/Std/Max)	A		1.30 / 4.50 / 11.0	1.30 / 6.00 / 11.00
Dimensions					
Net Dimensions (W x H x D)	Indoor Unit	mm	840 x 288 x 840	840 x 288 x 840	840 x 288 x 840
	Outdoor Unit	mm	940 x 1420 x 330	940 x 1420 x 330	940 x 1420 x 330
Net Weight	Indoor Unit	kg	18.0	20.0	20.0
	Outdoor Unit	kg	96.0	96.0	96.0
Refrigerant					
Refrigerant	Type		R410A(Contains fluorinated greenhouse gases. GWP=2.088)		
	Factory charging	kg	2.90	2.90	2.90
	Charging Ton equivalent CO2	tCO2e	6.06 tCO2e	6.06 tCO2e	6.06 tCO2e
	Additional refrigerant charging	g / m	20	50	50
Piping Connections	Liquid Pipe	Φ.inch	3 / 8	3 / 8	3 / 8
	Gas Pipe	Φ.inch	5 / 8	5 / 8	5 / 8
Piping Length	Min/ Max	m	75	75	75
Piping Height	Max	m	30	30	30
Piping Connections	Drain pipe	Φ.mm	VP25 (OD32.ID25)	VP25 (OD32.ID25)	VP25 (OD32.ID25)
Others					
Panel	Model code		PC4NUSKAN	PC4NUSKAN	PC4NUSKAN
	Net Dimensions (W x H x D)	mm	950 x 45 x 950	950 x 45 x 950	950 x 45 x 950
	Net Weight	kg	5.9	5.9	5.9
Accessoires	Drain pump		included	included	included
	Max lifting height/ displacement	mm / l/h	750/24	750/24	750/24

- Four-way air supply via independently adjustable blades
- Adjustable blade angle between 35° and 63°.
- Built-in condensation drain pump (750 mmH2O).

- Compatible with Wi-Fi Kit controller.
- SPi Air Ionizer device (optional).
- Motion Sensor (optional).

Accessories					
Individual Controllers (Optional)				Panel (Mandatory)	Others
					
AR-EH03E	MWR-SH00N	MWR-SH11N	MWR-WE13N	PC4NUSKAN	MIM-H03N

Commercial

Commercial

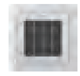
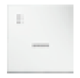
Specifications

Mini 4-Way Cassette (R410A High Efficiency)

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC026JNNCEH/EU AC026JXSCEH/EU -	AC035JNNCEH/EU AC035JXSCEH/EU -
Capacity				
	Cooling (Min/Nominal/Max)	kW	0.85 / 2.60 / 3.50	0.90 / 3.50 / 4.20
	Heating up to +7°C (Min/Nominal/Max)	kW	0.80 / 3.40 / 5.10	0.80 / 4.30 / 5.80
Performance				
Energy Efficiency Cooling	SEER	W/W	7.9 / A++	7.6/ A++
	Consumption	kWh/a	115	161
	Pdesignc	kW	2.6	3.5
	EER	W/W	4.06	3.72
Energy Efficiency Heating	SCOP	W/W	4.6 / A++	4.5 / A+
	Consumption	kWh/a	761	809
	Pdesignh (average)	kW	2.5	2.6
	COP	W/W	4.1	3.64
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	8.00 / 7.10 / 6.30	9.3 / 8.00 / 6.70
Sound Power	Indoor Unit	dB(A)	48	51
	Outdoor Unit	dB(A)	59	62
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	25 / 29 / 32	26 / 30 / 34
	Outdoor Unit	dB(A)	46 / 47	47 / 48
Fan/ Outdoor unit	Type		Turbo	Turbo
	Power	W	65	65
	Number	EA	1	1
External Static Pressure	Min / Std / Max	Pa		
Operating Temp. Range	Cooling	°C	-20 ~ 50	-20 ~ 50
	Heating	°C	-25 ~ 24	-25 ~ 24
Electrical Data				
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #	-	-
Compressor Type	Outdoor Unit	Type	BLDC Rotary	BLDC Rotary
Power (Min/ Nominal/Max)	Cooling	kW	0.24 / 0.64 / 0.89	0.19/ 0.94 / 1.26
	Heating	kW	0.16/ 0.83 / 1.50	0.16 / 1.18 / 1.65
Current Input	Cooling (Min/Std/Max)	A	1.30 / 3.10 / 4.20	1.30 / 4.40 / 5.80
	Heating (Min/Std/Max)	A	1.10 / 3.90 / 6.00	1.10 / 5.40 / 7.00
	Cooling- Tri-Phase (Min/Std/Max)	A	-	-
	Heating- Tri-Phase (Min/Std/Max)	A	-	-
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	575 x 250 x 575	575 x 250 x 575
	Outdoor Unit	mm	790 x 548 x 285	790 x 548 x 285
Net Weight	Indoor Unit	kg	12.0	12.0
	Outdoor Unit	kg	35.0	35.0
Refrigerant				
Refrigerant	Type		R410A(Contains fluorinated greenhouse gases. GWP=2.088)	
	Factory charging	kg	1.27	1.27
	Charging Ton equivalent CO2	tCO2e	2.65 tCO2e	2.65 tCO2e
	Additional refrigerant charging	g / m	-	-
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	1 / 4
	Gas Pipe	Φ.inch	3 / 8	3 / 8
Piping Length	Min/ Max	m	20	20
Piping Height	Max	m	15	15
Piping Connections	Drain pipe	Φ.mm	VP25 (OD32.ID25)	VP25 (OD32.ID25)
Others				
Panel	Model code		PC4SUSMAN / PC4SUSMEN	PC4SUSMAN / PC4SUSMEN
	Net Dimensions (W x H x D)	mm	670 x 45 x 670	670 x 45 x 670
	Net Weight	kg	2.7	2.7
Accessoires	Drain pump		included	included
	Max lifting height/ displacement	mm / l/h	750/24	750/24

- Four-way air supply via independently adjustable blades
- Adjustable blade angle between 35° and 63°.
- Built-in condensation drain pump (750 mmH2O).

- Compatible with Wi-Fi Kit controller.
- SPi Air Ionizer device (optional).
- Motion Sensor (optional).

Accessories					
Individual Controllers (Optional)				Panel (Mandatory)	Others
 AR-EH03E	 MWR-SH00N	 MWR-SH11N	 MWR-WE13N	 PC4SUSMAN PC4SUSMEN	 MIM-H03N

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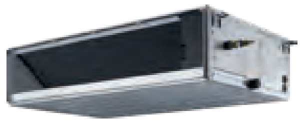
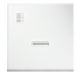
Specifications



Duct - MSP Duct (R410A High Efficiency)

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC035JNMCEH/EU AC035JXSCEH/EU -	AC071JNMCEH/EU AC071JXSCEH/EU -	AC100JNMCEH/EU AC100JXSCEH/EU AC100JXSCGH/EU	AC125JNMCEH/EU - AC125JXSCGH/EU
Capacity						
	Cooling (Min/Nominal/Max)	kW	0.90 / 3.50 / 4.20	3.00 / 7.10 / 8.50	3.50 / 10.00 / 12.00	3.50 / 12.50 / 14.00
	Heating up to +7°C (Min/Nominal/Max)	kW	0.80 / 4.30 / 5.80	3.00 / 8.00 / 11.00	3.70 / 11.20 / 17.0	3.70 / 14.00 / 19.00
Performance						
Energy Efficiency Cooling	SEER	W/W	6.5 / A++	6.1 / A++	6.7 / A++	-
	Consumption	kWh/a	188	407	522	-
	Pdesignc	kW	3.5	7.1	10.0	-
	EER	W/W	3.72	3.7	3.65	3.3
Energy Efficiency Heating	SCOP	W/W	4.4 / A+	4.0 / A+	4.1 / A+	-
	Consumption	kWh/a	764	2414	2765	-
	Pdesignh (average)	kW	2.4	6.9	8.1	-
	COP	W/W	3.64	3.9	4.26/ 4.53	3.91
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	12.90 / 11.00 / 9.50	21.0 / 18.50 / 16.50	36.1 / 29.30 / 24.0	38.6 / 33.0 / 26.2
Sound Power	Indoor Unit	dB(A)	56	56	61	63
	Outdoor Unit	dB(A)	62	65	66	69
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	25/ 28/ 31	25 / 29 / 33	28 / 33 / 37	31 / 35 / 39
	Outdoor Unit	dB(A)	47 / 48	49/ 49	50/ 50	52/ 52
Fan/ Outdoor unit	Type		Sirocco	Sirocco	Sirocco	Sirocco
	Power	W	153	153	244	244
	Number	EA	1	1	1	1
External Static Pressure	Min / Std / Max	Pa	0 / 24.5 / 147	0 / 29.4 / 147	0 / 39.2 / 147	0 /50.96 / 147
Operating Temp. Range	Cooling	°C	-20 ~ 50	-20 ~ 50	-20 ~ 50	-20 ~ 50
	Heating	°C	-25 ~ 24	-25 ~ 24	-25 ~ 24	-25 ~ 24
Electrical Data						
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #	-	-	380~415/ 50/ 3/ 4	380~415/ 50/ 3/ 4
Compressor Type	Outdoor Unit	Type	BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary	Twin BLDC Rotary
Power (Min/ Nominal/Max)	Cooling	kW	0.19 / 0.94 / 1.26	0.86/ 1.92 / 2.20	0.95 / 2.74 / 3.54	0.95 / 3.79 / 4.60
	Heating	kW	0.16 / 1.18 / 1.65	0.71 / 2.05 / 4.10	0.81 / 2.47 / 6.90	0.81 / 3.58 / 7.20
Current Input	Cooling (Min/Std/Max)	A	1.30 / 4.7 / 6.1	4.30 / 8.7 / 10.0	4.20 / 12.0 / 15.6	-
	Heating (Min/Std/Max)	A	1.15 / 5.4 / 7.0	3.60 /9.30 /18.00	4.30 / 11.8 / 30.0	-
	Cooling- Tri-Phase (Min/Std/Max)	A	-	-	1.90 / 4.40 / 5.50	1.40 / 6.00 / 7.00
	Heating- Tri-Phase (Min/Std/Max)	A	-	-	1.70 / 4.30 / 10.50	1.70 / 5.60 / 11.00
Dimensions						
Net Dimensions (W x H x D)	Indoor Unit	mm	850 x 250 x 700	1200x 250 x 700	1300 x 300 x 700	1300 x 300 x 700
	Outdoor Unit	mm	790 x 548 x 285	940 x 1420 x 330	940 x 1420 x 330	940 x 1420 x 330
Net Weight	Indoor Unit	kg	25.0	32.0	36.0	36.0
	Outdoor Unit	kg	35.0	96.0	96.0	96.0
Refrigerant						
Refrigerant	Type		R410A(Contains fluorinated greenhouse gases. GWP=2.088)			
	Factory charging	kg	1.27	2.90	2.90	2.90
	Charging Ton equivalent CO2	tCO2e	2.65 tCO2e	6.06 tCO2e	6.06 tCO2e	6.06 tCO2e
	Additional refrigerant charging	g / m	-	20	50	50
Piping Connections	Liquid Pipe	Φ.inch	1 / 4	3 / 8	3 / 8	3 / 8
	Gas Pipe	Φ.inch	3 / 8	5 / 8	5 / 8	5 / 8
Piping Length	Min/ Max	m	20	75	75	75
Piping Height	Max	m	30	30	30	30
Piping Connections	Drain pipe	Φ.mm	VP25 (OD32.ID25)	VP25 (OD32.ID25)	VP25 (OD32.ID25)	VP25 (OD32.ID25)
Others						
Panel	Model code					
	Net Dimensions (W x H x D)	mm				
	Net Weight	kg				
Accessoires	Drain pump		MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ	MDP-G075SP MDP-G075SQ
	Max lifting height/ displacement	mm / l/h	750/24	750/24	750/24	750/24

- External static pressure range from 0 to 14 mmAq.
- Built-in electronic expansion valve (EEV) for refrigerant flow control (2000 step).
- Long-life washable permanent filter is included.
- Auto Restart function.
- Built-in condensation drain pump (750 mmH2O).
- SPi Ionizer device (optional).

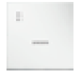
Accessories							
Drain pump (Included)		Individual Controllers (Optional)			Others (Optional)		
							
MDP-E075S-EE3D	MDP-N047SNC1D	AR-EH03E (to be matched with MRK-A10N)	MWR-SH11N	MWR-WE13N	MIM-H03N	MRK-A10N (to be matched with AR-EH03E)	MRW-TA

Specifications

- Full HD Filter
- Wi-Fi Kit (Optional)

Wall-Mounted Max (R410A High Efficiency)

Indoor Unit Outdoor Unit- Mono-Phase Outdoor Unit- Tri-Phase			AC100MNTCEH/EU AC100JXSCEH/EU AC100JXSCGH/EU
Capacity			
	Cooling (Min/Nominal/Max)	kW	0.85/ 3.45/ 4.2
	Heating up to +7°C (Min/Nominal/Max)	kW	0.72/ 3.64/ 6.9
Performance			
Energy Efficiency Cooling	SEER	W/W	6.0 / A+
	Consumption	kWh/a	583
	Pdesignc	kW	10.0
	EER	W/W	2.9
Energy Efficiency Heating	SCOP	W/W	4.0 / A+
	Consumption	kWh/a	2275
	Pdesignh (average)	kW	6.5
	COP	W/W	3.08
AirFlow Rate	Indoor Unit (High/Mid/Low)	m3/min	24.00/ 21.50/ 19.0
Sound Power	Indoor Unit	dB(A)	65
	Outdoor Unit	dB(A)	66
Sound Pressure	Indoor Unit (Silent/Low/Mid/High)	dB(A)	49 (High)
	Outdoor Unit	dB(A)	1
Fan/ Outdoor unit	Type		Crossflow Fan
	Power	W	58
	Number	EA	2
External Static Pressure	Min / Std / Max	Pa	
Operating Temp. Range	Cooling	°C	-20 ~ 50
	Heating	°C	-25 ~ 24
Electrical Data			
Power Source	Indoor Unit	V / Hz / Φ/ #	220~240/ 50/ 1/ 2
	Outdoor Unit 1P	V / Hz / Φ/ #	220~240/ 50/ 1/ 2
	Outdoor Unit 3P	V / Hz / Φ/ #	380~415/ 50/ 3/ 4
Compressor Type	Outdoor Unit	Type	Twin BLDC Rotary
Power (Min/ Nominal/Max)	Cooling	kW	0.85/ 3.45/ 4.2
	Heating	kW	0.72/ 3.64/ 6.9
Current Input	Cooling (Min/Std/Max)	A	4.2/ 15.1/ 18.5
	Heating (Min/Std/Max)	A	3.6/ 16.0/ 30.0
	Cooling- Tri-Phase (Min/Std/Max)	A	-
	Heating- Tri-Phase (Min/Std/Max)	A	-
Dimensions			
Net Dimensions (W x H x D)	Indoor Unit	mm	1280 x 253 x 345
	Outdoor Unit	mm	940 x 1420 x 330
Net Weight	Indoor Unit	kg	18.5
	Outdoor Unit	kg	96.0
Refrigerant			
Refrigerant	Type		R410A(Contains fluorinated greenhouse gases. GWP=2.088)
	Factory charging	kg	2.90
	Charging Ton equivalent CO2	tCO2e	6.06 tCO2e
	Additional refrigerant charging	g / m	50
Piping Connections	Liquid Pipe	Φ.inch	3 / 8
	Gas Pipe	Φ.inch	5 / 8
Piping Length	Min/ Max	m	75
Piping Height	Max	m	30
Piping Connections	Drain pipe	Φ.mm	ID 18

Accessories			
Individual Controllers (Optional)		Others (Optional)	
 MWR-SH11N	 MWR-WE13N	 MIM-H03N	 MRW-TA

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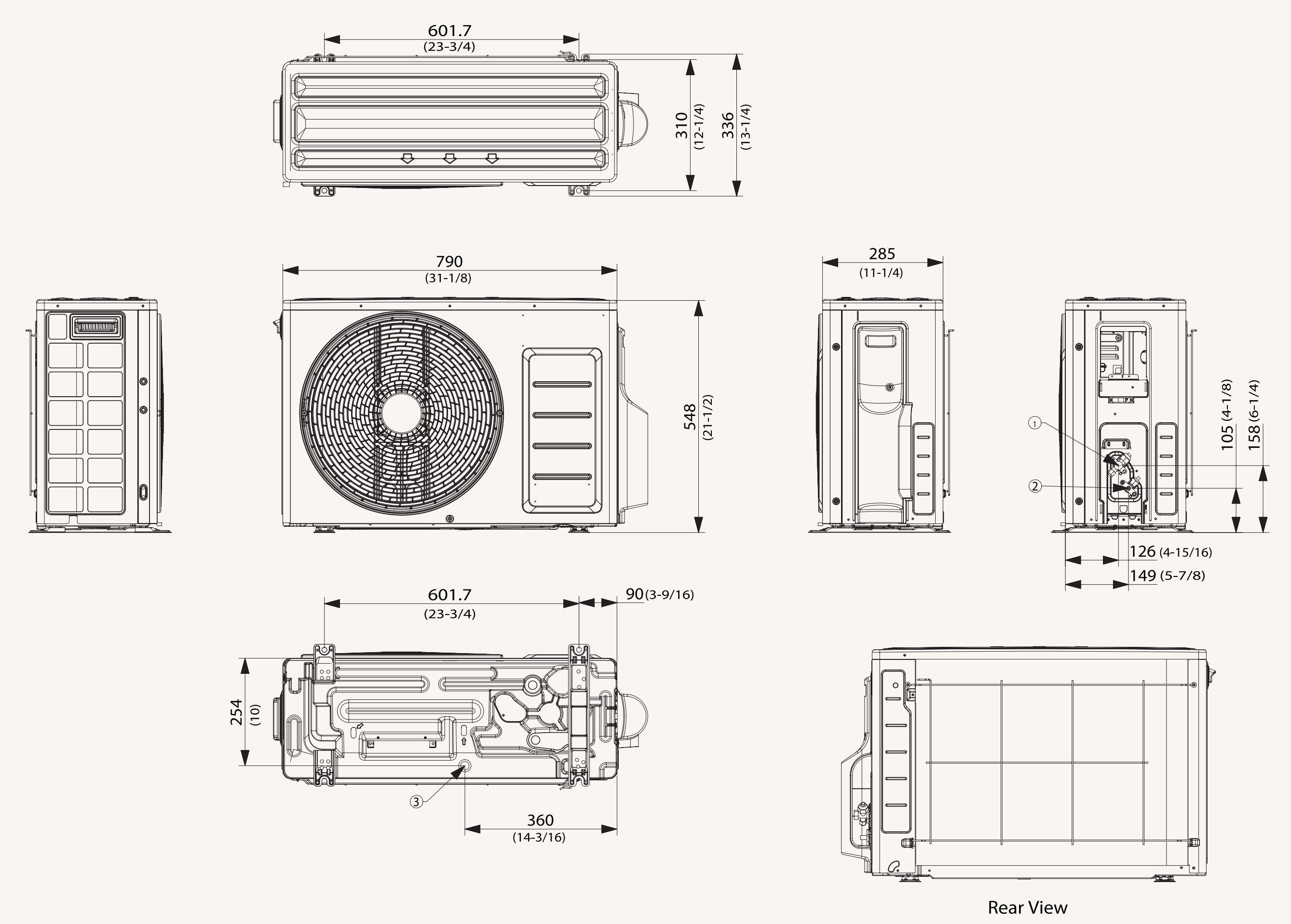
Dimensional Drawings

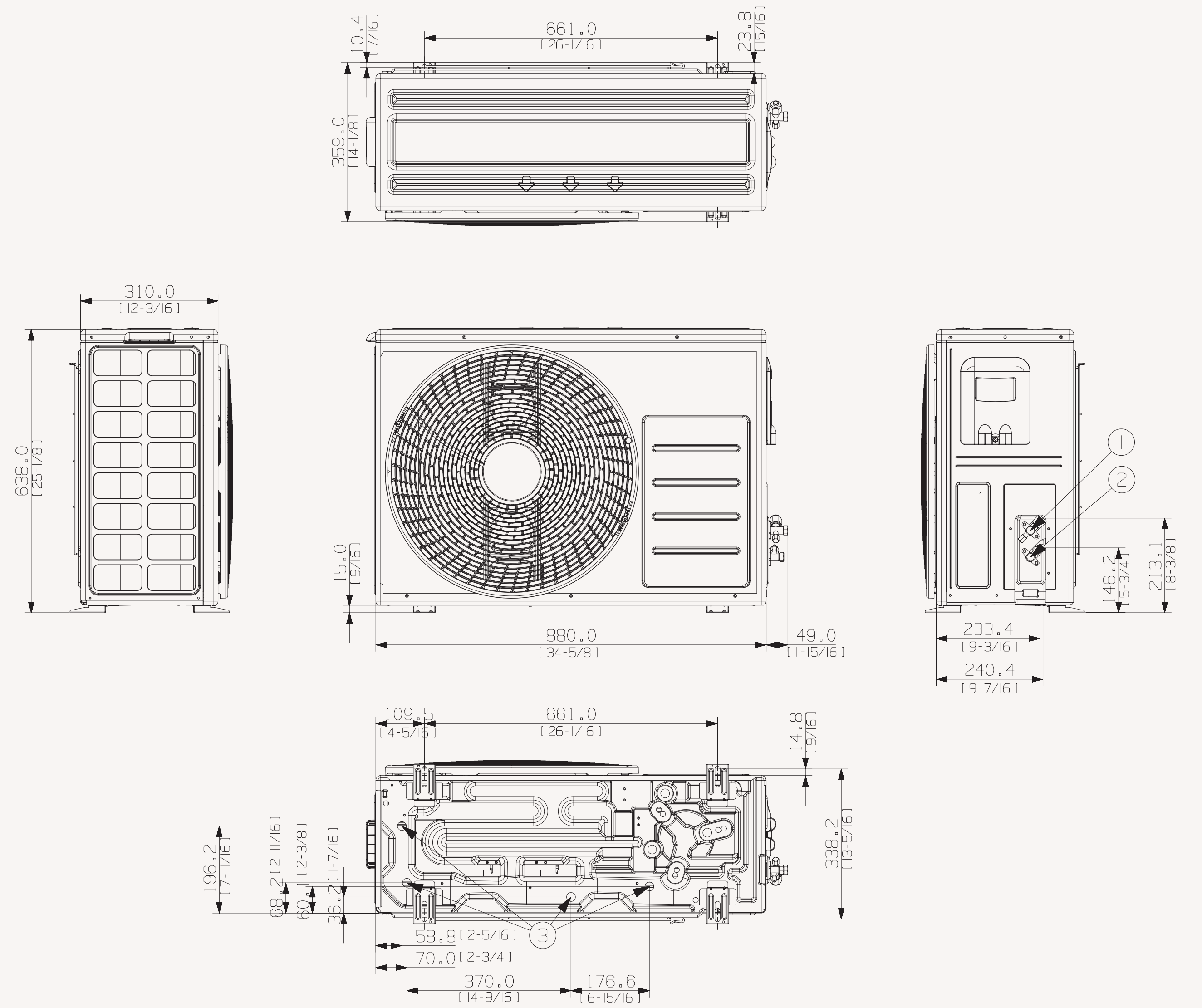
Outdoor Units

2.6kW/3.5kW Outdoor Unit



No.	Name	Description
1	Refrigerant gas pipe	Φ9.52(3/8)
2	Refrigerant liquid pipe	Φ6.35(1/4)
3	Drain Hole	Connection with the provided drain plug.

5.2kW/6.0kW Outdoor Unit

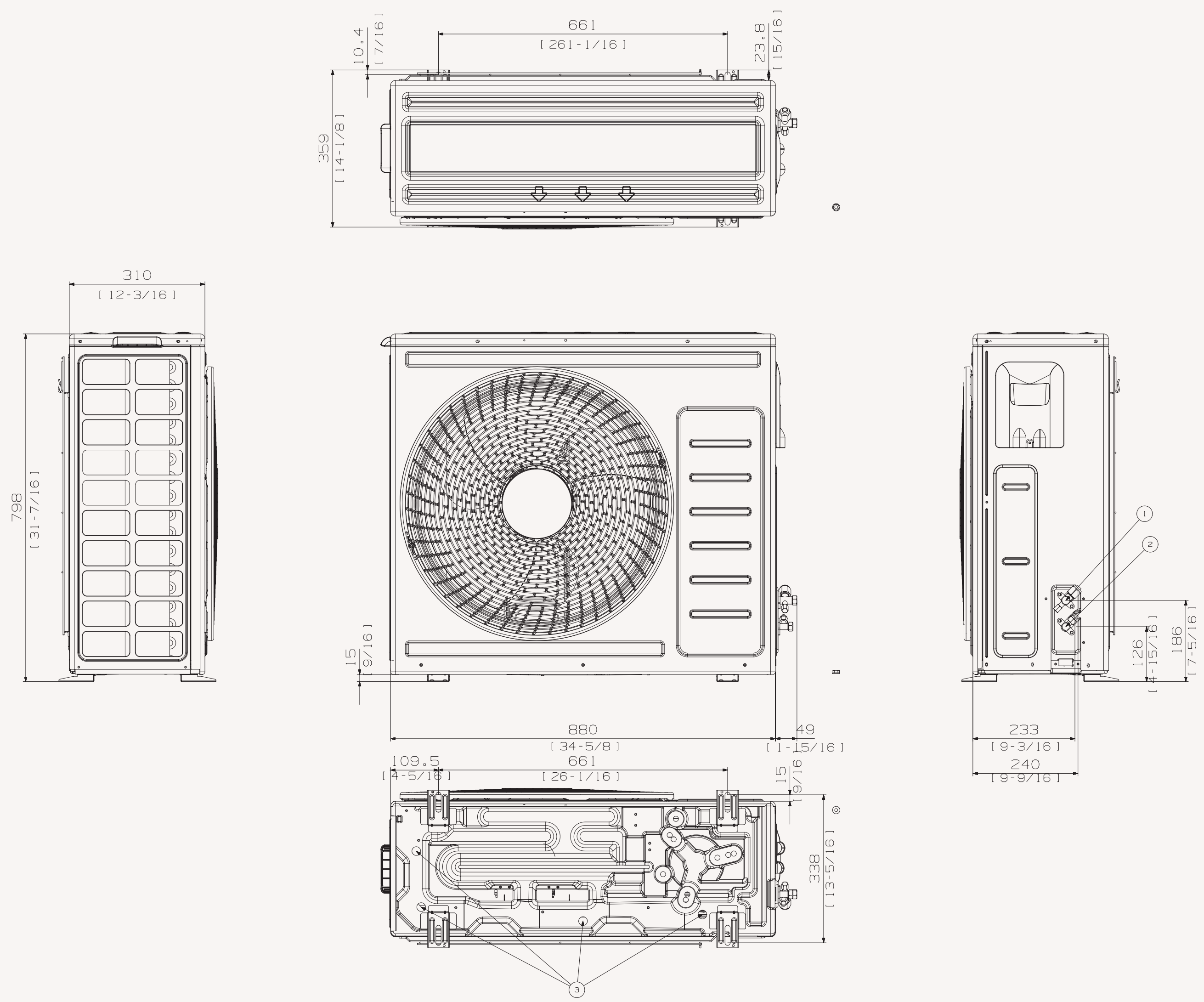


No.	Name	Description
1	Refrigerant gas pipe	Φ12.7(1/2)
2	Refrigerant liquid pipe	Φ6.35(1/4)
3	Drain Hole	Φ20

Dimensional Drawings

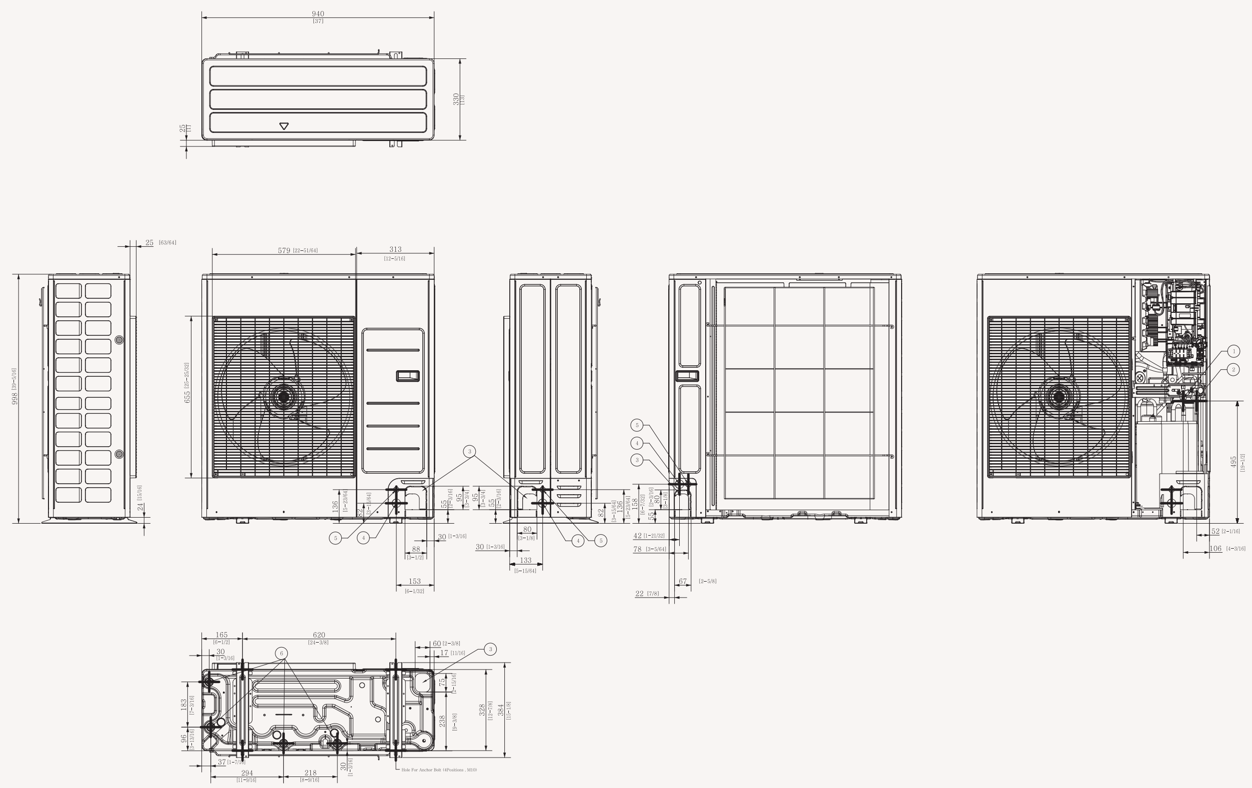
Outdoor Units

7.1kW Outdoor Unit



No.	Name	Description
1	Refrigerant gas pipe	Φ15.88(5/8)
2	Refrigerant liquid pipe	Φ6.35(1/4)
3	Drain Hole	Connection with the provided drain plug.

9kW/10kW/12kw Outdoor Unit



No.	Name	Description
1	Liquid pipe connection	Ø9.52 (3/8)
2	Gas pipe connection	Ø15.88 (5/8)
3	Piping intake knockout hole	Front / Side / Rear / Bottom
4	Power wiring conduit	Front / Side / Ø34 (1-3/8)
5	Communication wiring conduit	Front / Side / Rear / Ø22 (7/8)
6	Drain hole	Connect with the provided drain plug.

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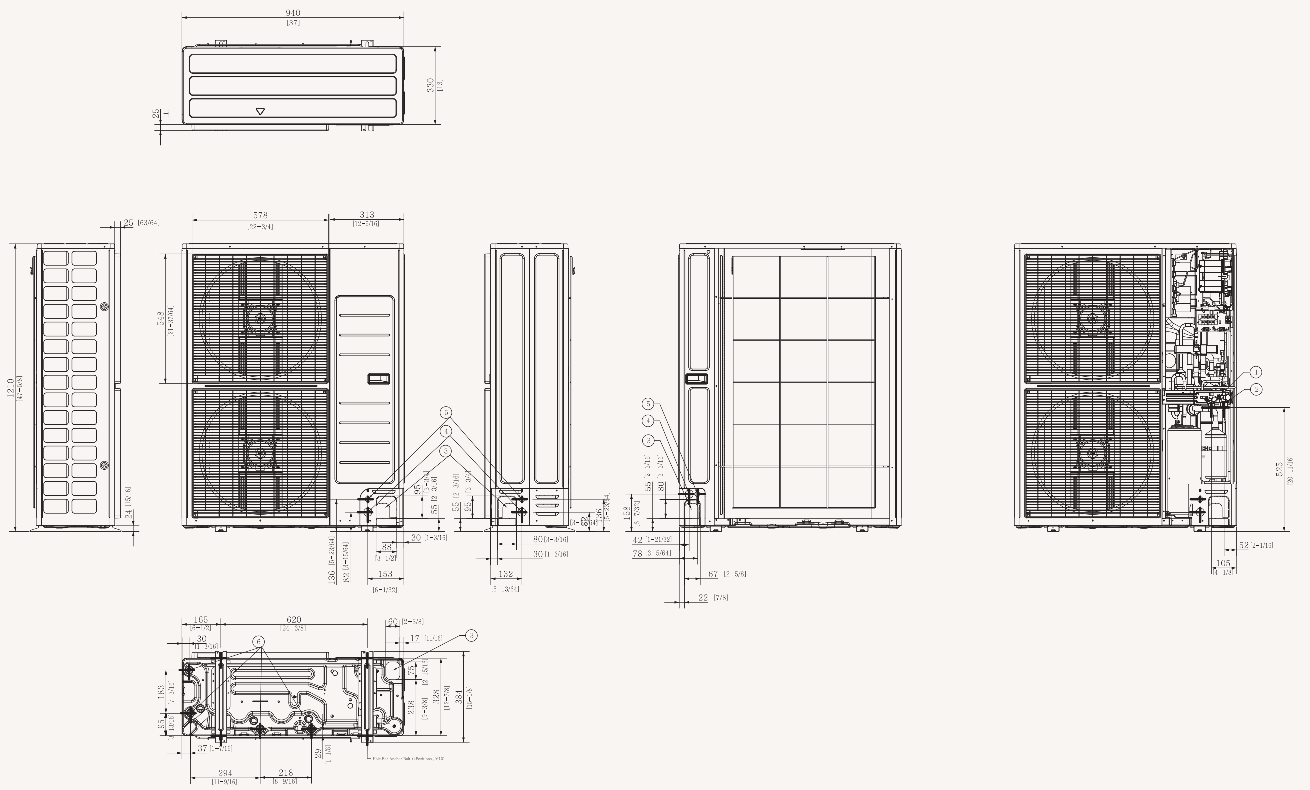
Dimensional Drawings

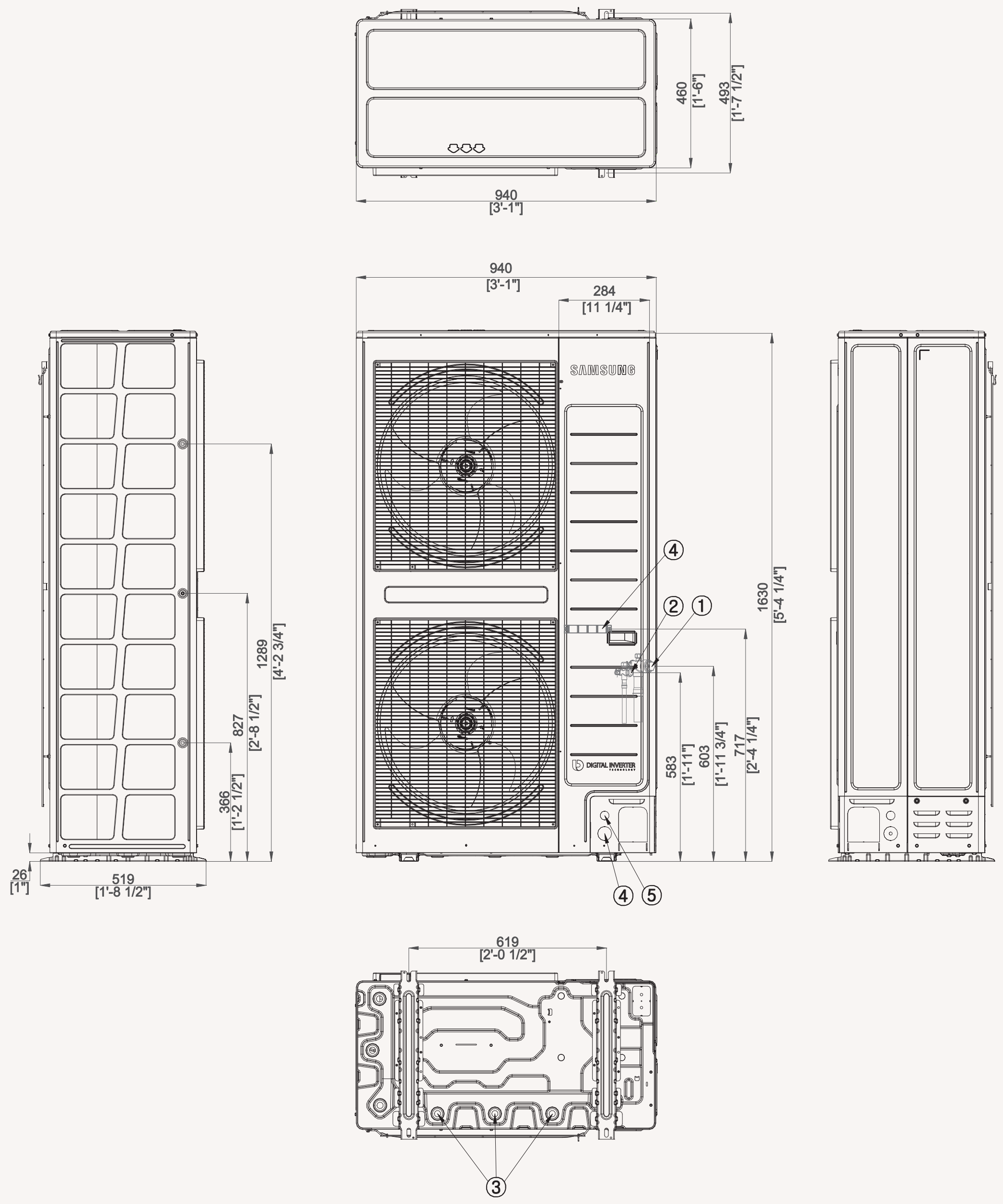
Outdoor Units

14kW/16kW/18kW Outdoor Unit



No.	Name	Description
1	Liquid pipe connection	Ø9.52 (3/8)
2	Gas pipe connection	Ø15.88 (5/8)
3	Piping intake knockout hole	Front / Side / Rear / Bottom
4	Power wiring conduit	Front / Side / Rear / Ø34 (1-3/8)
5	Communication wiring conduit	Front / Side / Rear / Ø22 (7/8)
6	Drain hole	Connect with the provided drain plug.

20kW/25kW Outdoor Unit



No.	Name
1	Refrigerant gas pipe
2	Refrigerant liquid pipe
3	Drain hole
4	Power wiring conduit
5	Communication wiring conduit