

Specifications

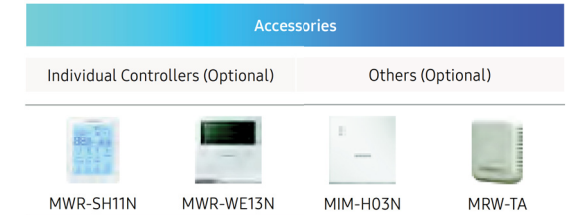


Console R32

- 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			AC026RNJDKG/EU	AC035RNJDKG/EU	AC052RNJDKG/EU
Outdoor Unit- Mono-Phase			AC026RXADKG/EU	AC035RXADKG/EU	AC052RXADKG/EU
Outdoor Unit- Tri-Phase					
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)	m ³ /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)



Indoor Unit			AC026MNJDKH/EU	AC035MNJDKH/EU	AC052MNJDKH/EU
Outdoor Unit- Mono-Phase			AC026MXADKH/EU	AC035MXADKH/EU	AC052MXADKH/EU
Outdoor Unit- Tri-Phase					
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)	m ³ /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 / 25 / 31 / 36	24 / 30 / 34 / 38	25 / 35 / 39 / 43
	Outdoor Unit	dB(A)	45 / 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

Learn more about Samsung Climate Solutions at: www.samsung.com/climate

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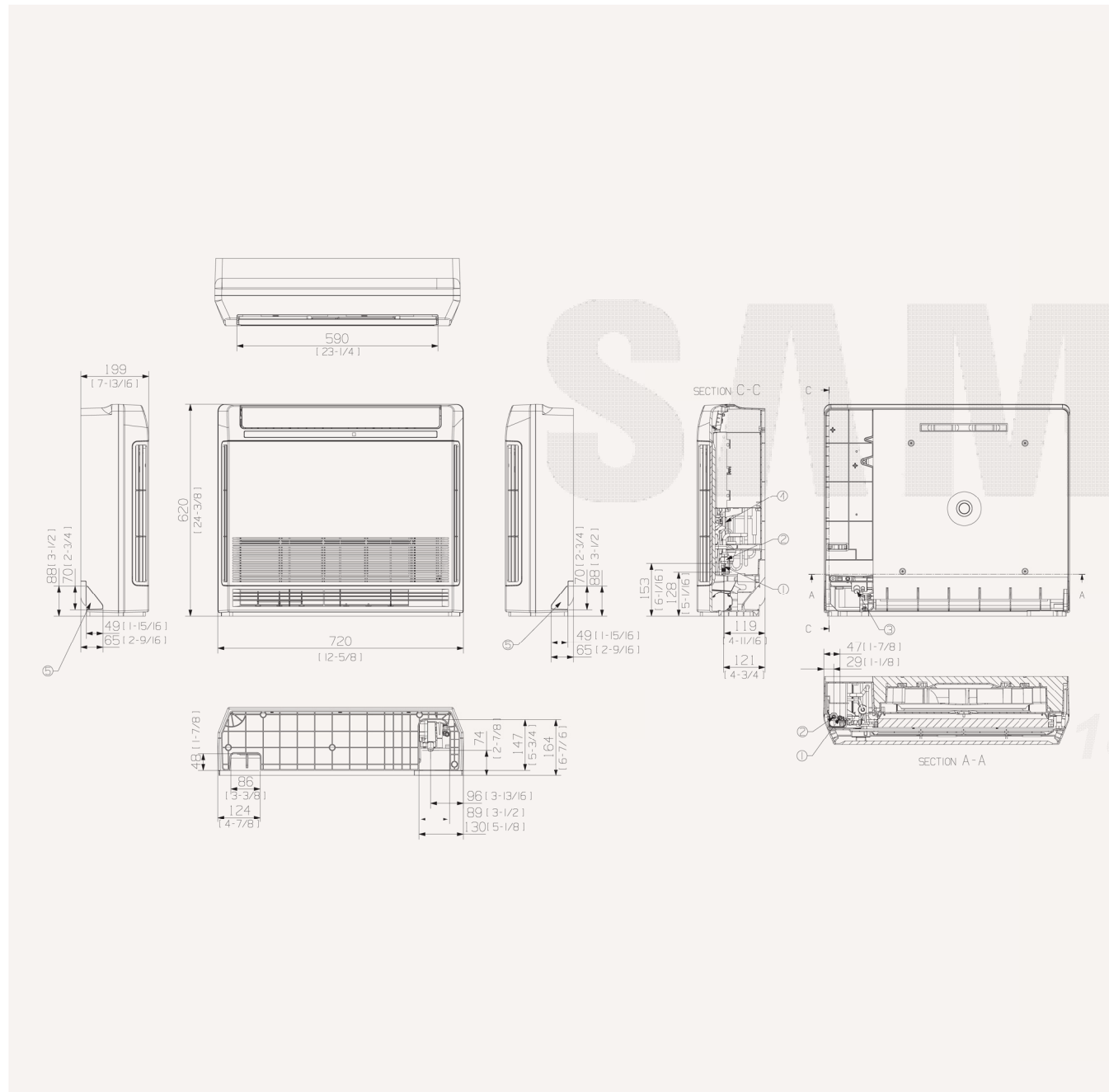
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Dimensional Drawings

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	-	

