

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 dB(A)).
- Long-life washable permanent filter.
- Auto Restart function.



Indoor Unit			AC100KNPDEH/EU	AC140KNPDEH/EU
Outdoor Unit - Mono-Phase			AC100KXADEH/EU	-
Outdoor Unit - Tri-Phase			-	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	15.20
	Heating @ -15 °C	kW	9.60	13.5
Performance				
Energy Efficiency Cooling	SEER ¹	W/W	5.8/ A+	-
	Power Consumption	kWh/a	603	-
	Pdesignc	kW	10.0	-
	EER	W/W	2.7	3.1
Energy Efficiency Heating	SCOP ¹	W/W	4.1/ A+	-
	Power Consumption	kWh/a	1,810	-
	Pdesignh (average)	kW	5.3	-
	COP ¹	W/W	3.30	3.44
Airflow Rate	Indoor Unit (H/M/L)	m ³ /min	29.0	35.5
Sound Power	Indoor Unit	dB(A)	60	63
	Outdoor Unit	dB(A)	70	70
Sound Pressure	Indoor Unit (H/M/L)	dB(A)	47/44/41	51/48/45
	Outdoor Unit (H/L)	dB(A)	55/53	54/53
Fan/Outdoor Unit	Type		Sirocco	Sirocco
	Power	W	97	154
	Number of Fans	-	1	1
Operating Temperature Range	Cooling	°C	-15-50	-15-50
	Heating	°C	-20.0-24.0	-20.0-24.0
Electrical Data				
Power Source	Indoor Unit	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	1Φ, 2, 220-240 V, 50 Hz
	Outdoor Unit Mono-Phase	Φ, #, V, Hz	1Φ, 2, 220-240 V, 50 Hz	3Φ, 4, 380-415 V, 50 Hz
	Outdoor Unit Tri-Phase	Φ, #, V, Hz		
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
Dimensions				
Net Dimensions (W x H x D)	Indoor Unit	mm	610 x 1,850 x 400	610 x 1,850 x 400
	Outdoor Unit	mm	940 x 998 x 330	940 x 1,210 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	3.0	3.5
	Charging Ton equivalent CO ₂	tCO ₂ e	6.26	7.31
	Additional Refrigerant Charging	g/m	50	50
Piping Connections	Liquid Pipe	ø, inch	3/8	3/8
	Gas Pipe	ø, inch	5/8	5/8
Piping Length	Min/Max	m	50	75
Piping Height	Max	m	30	30
Piping Connections	Drain Pipe	ø, mm	VP18	VP18

Accessories



External Thermostat

MRW-TA



On/Off controller

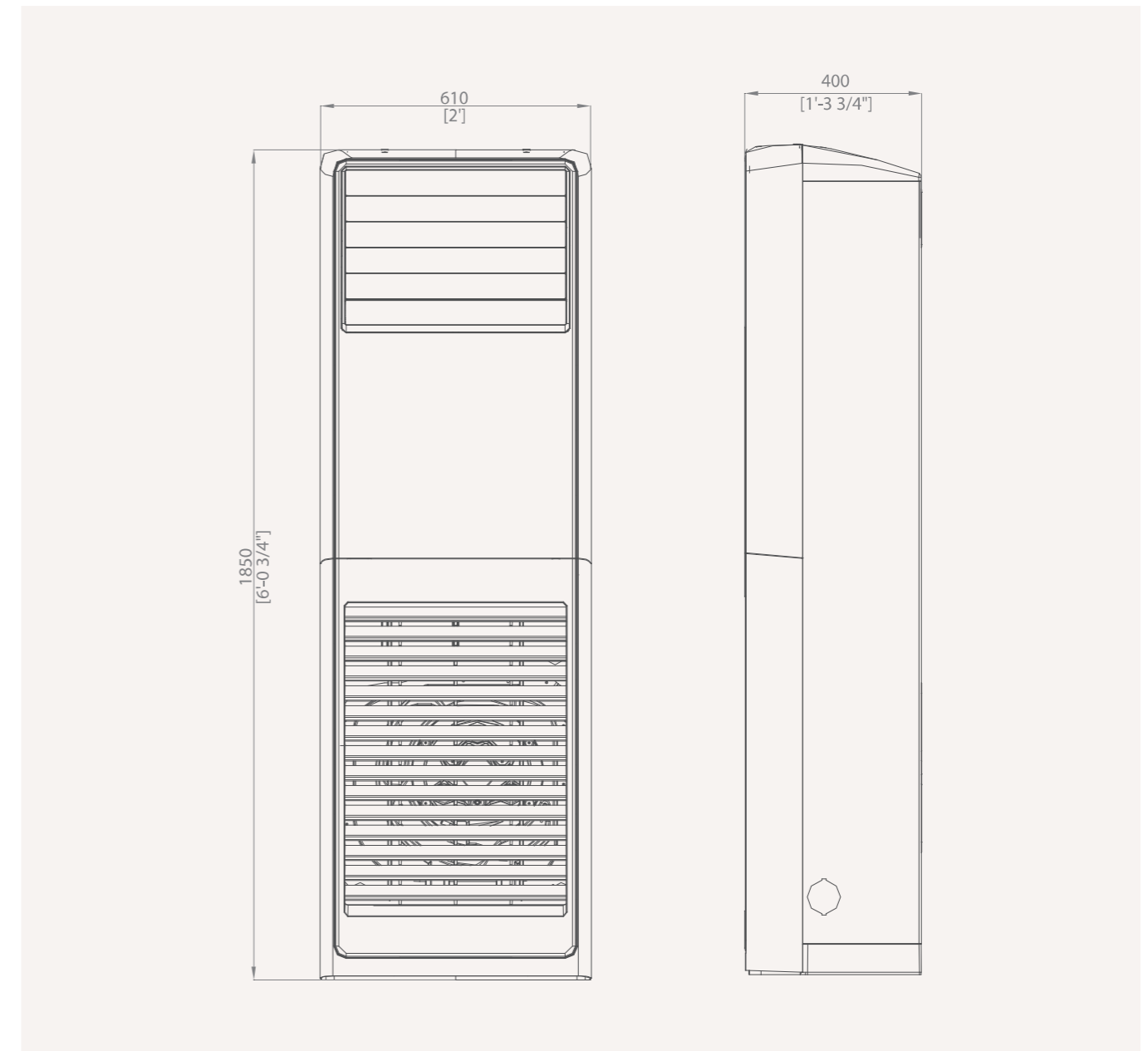
MIM-B14

¹ Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Dimensional drawings

Floor-Standing (R410A)

AC100KNPDEH/EU, AC140KNPDEH/EU



NO	Name	Description
1	Gas piping refrigerant	ø15.88 (5/8)
2	Liquid piping refrigerant	ø9.52 (3/8)
3	Condensation drain piping	