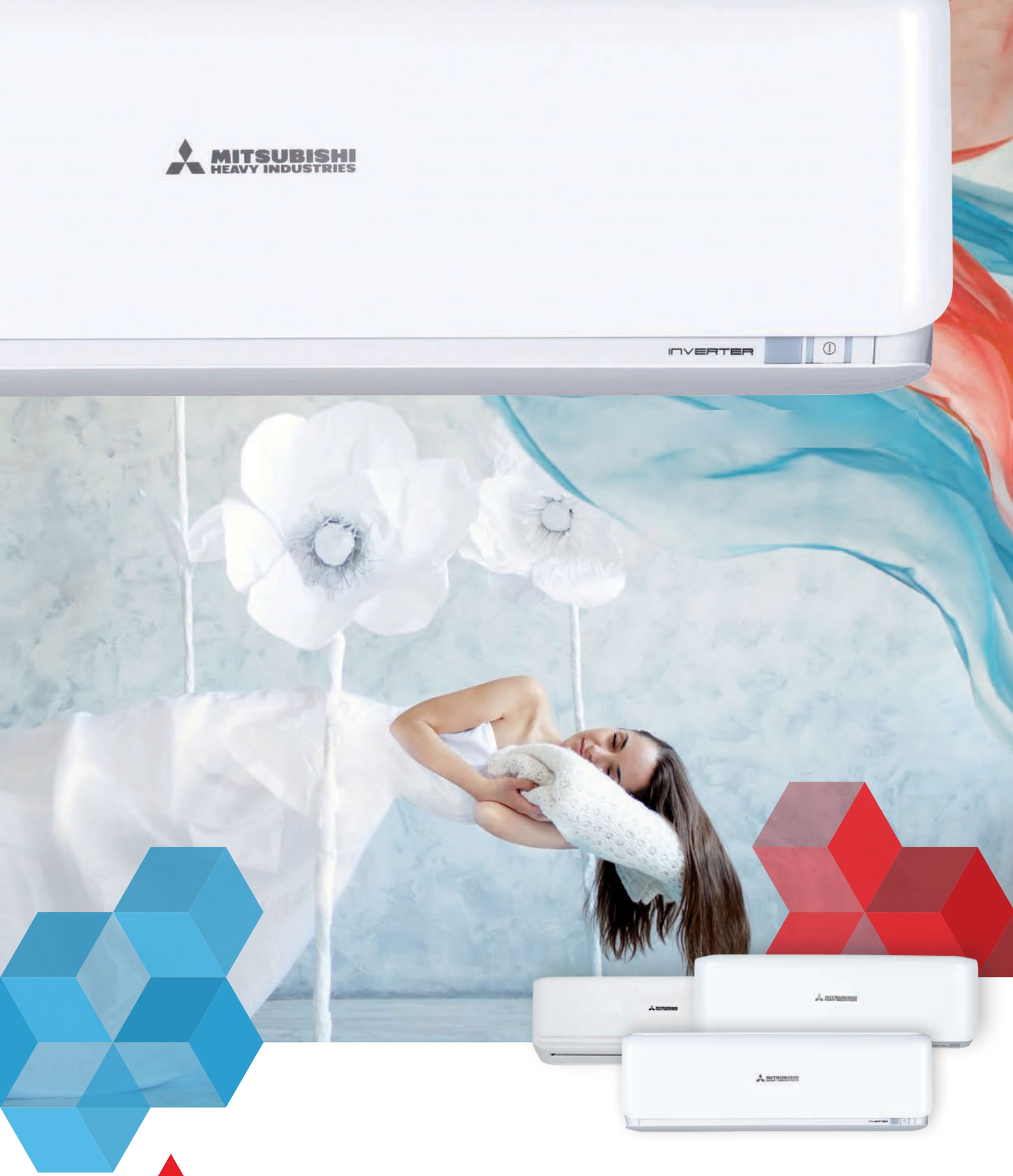

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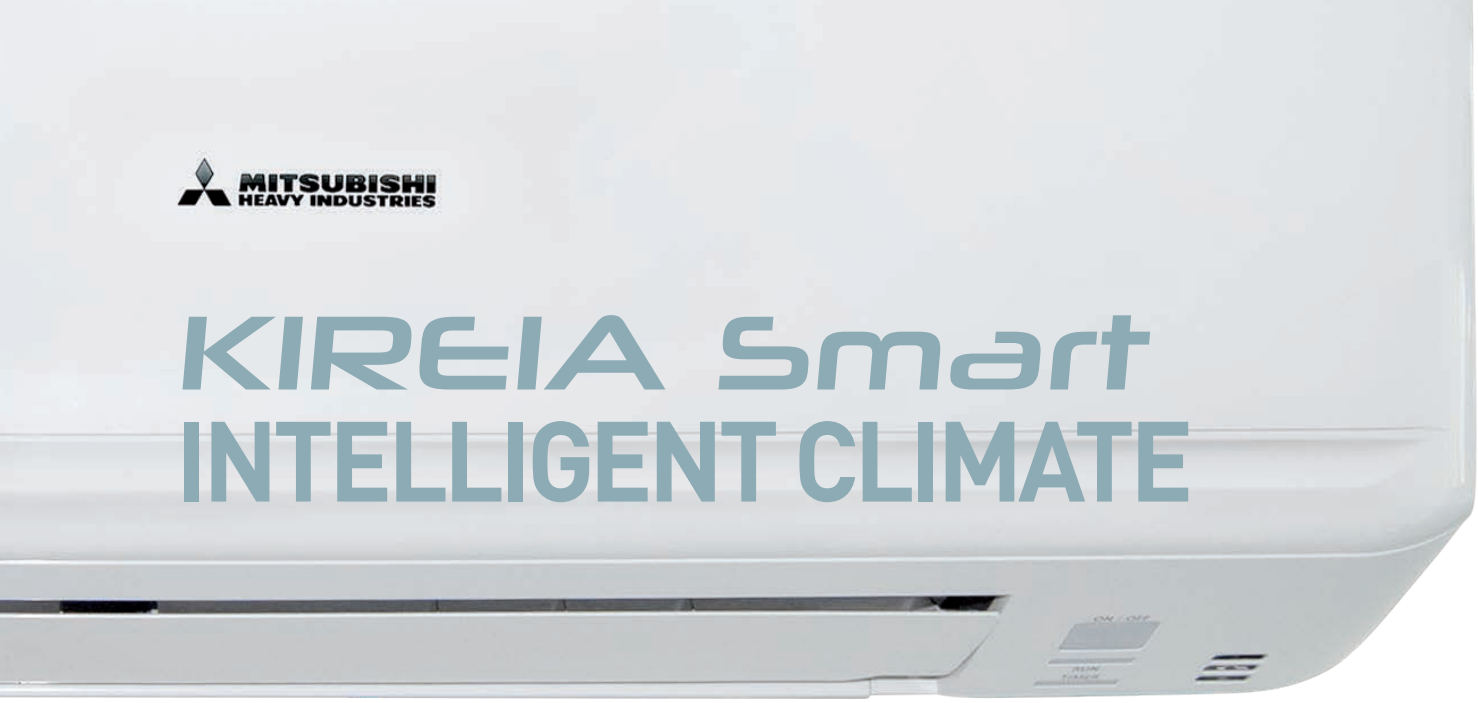
KIREIA Smart
INTELLIGENT CLIMATE



ENERGY EFFICIENCY

R32 MHI

Energy savings for all seasons.

A++

Energy class in cooling

SEER 7.30
(mod. 3.20 kW)

A+

Energy class in heating

SCOP 4.40
(mod. 3.20 kW)

OPERATING RANGE

Broad scope of operation for all power levels.

-15°C / +46°C

cooling operation

-15°C / +24°C

in heating

NOISE LEVEL

Discreet and quiet, the KIREIA Smart boasts a sound pressure of 23 dB(A) at minimum speed [for models from 2.50 to 3.20 kW].

COMFORT START-UP MODE

This function lets you start indoor unit operations 5 to 60 minutes before the scheduled start time and ensures that the set temperature is reached as soon as the unit goes into operation. See the description on pg. 11.

VERY COMPACT DESIGN

High-performance and compact, KIREIA Smart is the most discreet solution for home air conditioning, with a depth of only 21 cm for all power sizes.

21 cm (depth)

SELF CLEAN OPERATION

This function lets you dry the indoor unit heat exchanger to avoid the formation of mould and bacteria. See the description on pg. 9.

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KIREIA Smart

R32 technical data

SRK 25~45 ZSP-W

SRC 25~35 ZSP-W

SRC 45 ZSP-W

Remote control included

Indoor unit model			SRK 25 ZSP-W	SRK 35 ZSP-W	SRK 45 ZSP-W
Outdoor unit model			SRC 25 ZSP-W	SRC 35 ZSP-W	SRC 45 ZSP-W
Type			DC-Inverter heat pump		
Control			Remote control		
Rated capacity (T=35°C)	Cooling	kW	2.50 (0.90~3.10)	3.20 (0.90~3.70)	4.50 (1.30~4.80)
Rated absorbed power (T=35°C)	Cooling	kW	0.71 (0.20~1.01)	0.91 (0.20~1.32)	1.35 (0.29~1.71)
Rated energy efficiency coefficient	Cooling	EER[1]	3.52	3.52	3.33
Seasonal energy efficiency class	Cooling	626/2011[3]	A++	A++	A++
Seasonal energy efficiency index	Cooling	SEER[2]	6.8	7.3	6.3
Annual energy consumption	Cooling	kWh/a	129	154	251
Theoretical load (Pdesignc) @35°C	Cooling	kW	2.5	3.2	4.5
Rated capacity (T=7°C)	Heating	kW	2.80 (1.00~4.10)	3.60 (1.00~4.60)	5.00 (1.20~5.80)
Rated absorbed power (T=7°C)	Heating	kW	0.69 (0.20~1.43)	0.93 (0.20~1.43)	1.36 (0.27~1.84)
Rated energy performance coefficient	Heating	COP[1]	4.05	3.87	3.68
Energy efficiency class (average season)	Heating	626/2011[3]	A+	A+	A+
Seasonal efficiency class index (average season)	Heating	SCOP[2]	4.1	4.4	4.2
Annual energy consumption	Heating	kWh/a	957	955	1269
Theoretical load (Pdesignh) @-10°C	Heating	kW	2.8	3.0	3.8
Operating limits (outside temp.)	Cooling	°C	-15~46		
	Heating	°C	-15~24		
Electrical data					
Power	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz		
Power cable		type	3 x 2.5 mm²		3 x 4 mm²
Absorbed current (rated)	Cooling	A	3.4	4.3	6.1
	Heating	A	3.4	4.3	6.1
Maximum current		A	9	9	14.5
Maximum absorbed power		kW	1.65	1.65	2.68
Connection wires between I.U .and O.U. (including ground)		no.	4	4	4
Refrigerant circuit					
Refrigerant (GWP)[4]			R32 (675)		
Quantity refrigerant pre-load		Kg	0.55	0.68	1.1
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")		ø6.35(1/4") - ø12.74(1/2")
Max splitting length		m	15	15	25
Max height difference I.U. /O.U.		m	10	10	15
Splitting length without additional load		m	10	15	15
Additional load		g/m	20	20	20
Specifications of indoor units					
Dimensions	H x L x D	mm	267 x 783 x 210	267 x 783 x 210	267 x 783 x 210
	Net weight	Kg	7	7	7.5
Sound pressure level (Hi/Mi/Lo)	Cooling	dB(A)	45/34/23	45/36/23	44/39/24
	Heating	dB(A)	43/34/26	44/36/28	48/41/30
Sound power level (Hi)	Cooling	dB(A)	57	58	56
	Heating	dB(A)	57	58	62
Handled air volume (Hi/Me/Lo)	Cooling	m³/h	600/438/252	570/408/252	540/432/228
	Heating	m³/h	570/438/312	576/444/330	720/552/372
Motor power (Output)		W	30	30	30
Diameter of condensate drain		mm	16	16	16
Filter included		type	Polypropylene mesh		
Specifications of outdoor units					
Dimensions	H x L x D	mm	540 x 645(+57) x 275		595 x 780(+62) x 290
	Net weight	Kg	26.5	28.5	36
Sound pressure level	Cooling	dB(A)	47	48	51
	Heating	dB(A)	45	48	51
Sound power level	Cooling	dB(A)	57	59	63
	Heating	dB(A)	56	60	64
Handled air (Max)	Cooling	m³/h	1422	1368	2136
	Heating	m³/h	1182	1320	2004
Motor power (Output)		W	24	24	24
Optional parts					
Wi-Fi module		Accessories to be paired with the interface module SC-BIKN2-E	Not available for this product		
Wired remote control					
SUPERLINK II interface for centraliser control					
BMS interfaces	KNX				
	Modbus				
	Enocean				

1 Value measured according to harmonised standard EN14511. 2 EU Regulation No.206/2012 - Value measured according to harmonised standard EN14825. 3 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 4 Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

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