MHI SRK100ZR HIGH WALL AIR CONDITIONER

Effective and efficient

Air conditioning

The new 10kW SRK100ZR high wall units from Mitsubishi Heavy Industries combine long air throws with high energy efficiency. Jet air scroll technology derived from aero engine development allows large volumes of air to be moved with minimum power consumption.

- 17m long air flow reach through jet air scroll technology
- Low power consumption
- High energy efficiency - SEER 6.60 (A++), SCOP 4.40 (A+)
- Max Pipe run 30m
- Low noise levels
- Easy access for maintenance

MITSUBISHI HEAVY INDUSTRIES, LTD.

Our Technologies, Your Tomorrow

MHI SRK100ZR

Air conditioning

Technical features

- 17m air throw
- High energy efficiency
- 30m pipe run
- Low power consumption
- Low noise levels
- Easy maintenance access

SET MODEL CODE			SRK100VPN1ZR	SRK200VSAPZR (TWIN)
HRP System Code			624185	622190
indoor Model Code			SRK100ZR-S	SRK100ZR-S (x2)
Outdoor Model Code			FDC100VNP	FDC200VSA
EFFICIENCY				
Cooling Capacity (Nominal)	Min - Max	kW	10.0 (2.4 - 10.5)	19.0 (5.2 - 22.4)
Heating Capacity (Nominal)	Min - Max	kW	11.2 (3.2 - 11.5)	22.4 (3.3 - 25.0)
Power Consumption	Cooling / Heating	kW	3.09 / 3.28	7.52 / 7.41
EER/COP	Cooling / Heating	kW	3.24 / 3.41	2.52 / 3.02
Inrush Current		A	14.4	5
Max. Current		A	21	20
INDOOR UNIT				
Dimensions	H x W x D	mm	339 x 1197 x 262	339 x 1197 x 262
Nett Weight		kg	16.5	16.5
Sound Pressure Level*1	Cooling (H, M, L, UL)	dB(A)	48 / 45 / 40 / 27	48 / 45 / 40 / 27
	Heating (H, M, L, UL)	dB(A)	48 / 43 / 38 / 30	48 / 43 / 38 / 30
Sound Power*1 *2	Cooling / Heating	dB(A)	63 / 63	63 / 63
Air Flow*2	Cooling (H, M, L, UL)	m^3/min	24.5 / 21.3 / 17.6	24.5 / 21.3 / 17.6 / 10.4
	Heating (H, M, L, UL)	m^3/min	27.5 / 23.2 / 19.1	27.5 / 23.2 / 19.1 / 13.6
Air Filter		QTY	Polypropylene net x2 (Washable)	Polypropylene net x2 (Washable)
Remote Control (Option)			Wired: RC-EX1A, RC-E5, RCH-E3 and Interface Kit: SC-BIKN-E	
OUTDOOR UNIT				
Dimensions	H x W x D	mm	845 x 970 x 370	1300 x 970 x 370
Nett Weight		kg	70	115
Sound Pressure Level*1	Cooling / Heating	dB(A)	57 / 61	58 / 59
Sound Power	Cooling / Heating	dB(A)	70 / 74	72 / 74
Air Flow	Cooling / Heating	m^3/min	75 / 80	135 / 135
Air Filter		QTY	Polypropylene net x2 (Washable)	Polypropylene net x2 (Washable)
Remote Control (Option)			Wired: RC-EX1A, RC-E5, RCH-E3 and Interface Kit: SC-BIKN-E	
ELECTRICAL DATA				
Power Source			1 Phase 220 - 240V, 50Hz / 220V, 60Hz	3 Phase 380 - 415V, 50Hz / 380V, 60Hz
REFRIGERANT/PIPING				
Pipe Size*4	OD" (mm)	Liquid	3/8 (9.52)	3/8 (9.52)
	OD" (mm)	Gas	5/8 (15.88)	7/8 (22.22)
Refrigerant Line (One way) Length		m	Max 30	Max 70
Vertical Height Differences	Outdoor is higher / lower	m	Max 20 / Max 20	Max 30 / Max 15
Outdoor Opertating Temperature Range	Cooling	°C	-15 - 46*3	-15 - 50*3
	Heating	°C	-15 - 20	-15 - 20

The data are measured under the following conditions (ISO-T1).
Cooling indoor temp. of 27°CDB, 19°CWB, and outdoor temp. of 35°CDB. Heating indoor temp. of 20°CDB, and outdoor temp of 7°CDB, 6°CWB.
*1: Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions.
*2: The values are for one indoor unit operation. (Multi systems only).
*3: If a cooling operation is conducted when the outdoor air temperature is -5°C or lower, the outdoor unit should be installed at a place where it is not influenced by natural wind. If wind blows, the low pressure will drop and compressor frequency will increase, this will cause the capacity to drop and may cause the unit to break down.
*4: For limitations on TWIN system configuration refer to Manufacturer's Technical Manual.