



## SRK100VNXPSX

10.0 ( 4.0 ~ 11.2 )

Indoor Unit : SRK50ZSX-W x 2

Outdoor Unit : FDC100VNX

### Specifications

R410A

Indoor unit		SRK50ZSX-W x 2	
Outdoor unit		FDC100VNX	
Power source		1 Phase 220-240V, 50Hz / 220V, 60Hz	
Nominal cooling capacity (Min-Max)		kW	10.0 ( 4.0 ~ 11.2 )
Nominal heating capacity (Min-Max)		kW	11.2 ( 4.0 ~ 12.5 )
Power Consumption		Cooling/Heating kW	2.66 / 2.60
EER/COP		Cooling/Heating kW	3.76 / 4.31
Inrush current		A	5
Max. current		A	24
Sound power level* <sup>1</sup>	Indoor* <sup>3</sup>	Cooling/Heating	dB(A) 59 / 62
	Outdoor	Sound power level	dB(A) 70 / 70
Sound pressure level* <sup>1</sup>	Indoor* <sup>3</sup>	Cooling (P-Hi/Hi/Me/Lo)	dB(A) 44 / 39 / 31 / 22
	Indoor	Heating (P-Hi/Hi/Me/Lo)	dB(A) 46 / 41 / 33 / 23
	Outdoor	Cooling/Heating	dB(A) 48 / 50
Air flow	Indoor* <sup>3</sup>	Cooling (P-Hi/Hi/Me/Lo)	m <sup>3</sup> /min 14.3 / 12.4 / 7.8 / 5.4
	Indoor	Heating (P-Hi/Hi/Me/Lo)	m <sup>3</sup> /min 17.3 / 14.3 / 9.8 / 6.2
	Outdoor	Cooling/Heating	m <sup>3</sup> /min 100 / 100
Exterior dimensions	Indoor	HeightxWidthxDepth	mm 305 x 920 x 220
	Outdoor		mm 1,300 x 970 x 370
Net weight		Indoor/Outdoor	kg 13 / 105
Refrigerant charge		kg/TCO <sub>2</sub> E <sub>q</sub>	4.5/9.396
Refrigerant Type GWP			R410A/2088
Ref.piping size	Liquid/Gas	ømm	9.52(3/8") / 15.88(5/8")
Refrigerant line (one way) length		m	Max.100
Vertical height differences		Outdoor is higher/lower	m Max.30 / Max.15
Outdoor operating temperature range	Cooling* <sup>2</sup>		°C -15~43
	Heating		°C -20~20
Air filter, Q'ty			Polypropylene net x 2(washable)
Remote control (option)			wired:RC-EX3A, RC-E5, RCH-E3 & Interface kit:SC-BIKN2-E
Energy Class (Cooling/Heating)			A+ +/A+
SEER			6.11
SCOP (Average climate)			4.16
Pdesign (cooling/heating(@-10°C))			10.0/10.4
Annual Electricity Consumption			574/3504
Designated Heating Season			Average

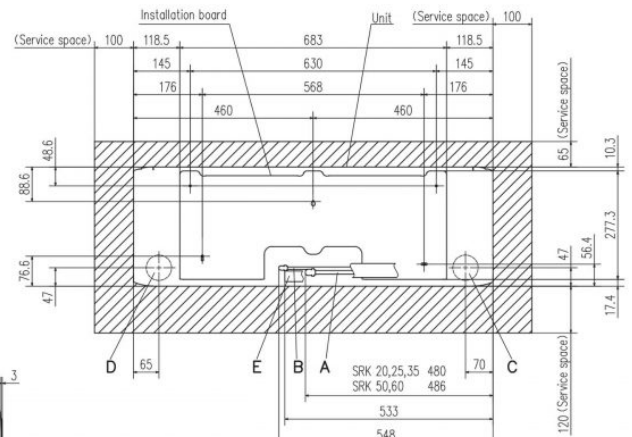
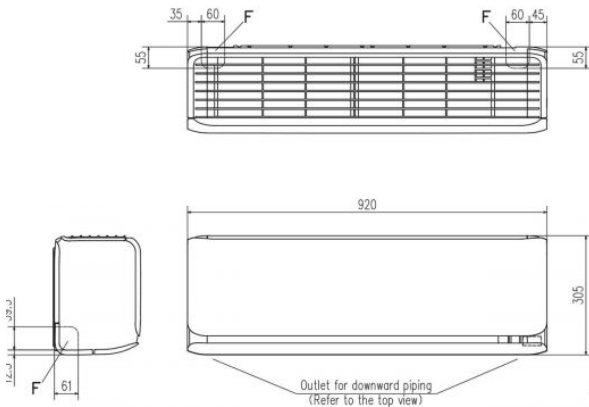
The data is measured under the following conditions (ISO-T1, -H1).

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.

- : Indicates the value in an anechoic chamber. During operation these values are somewhat higher due to ambient conditions
- : 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

## Schematics

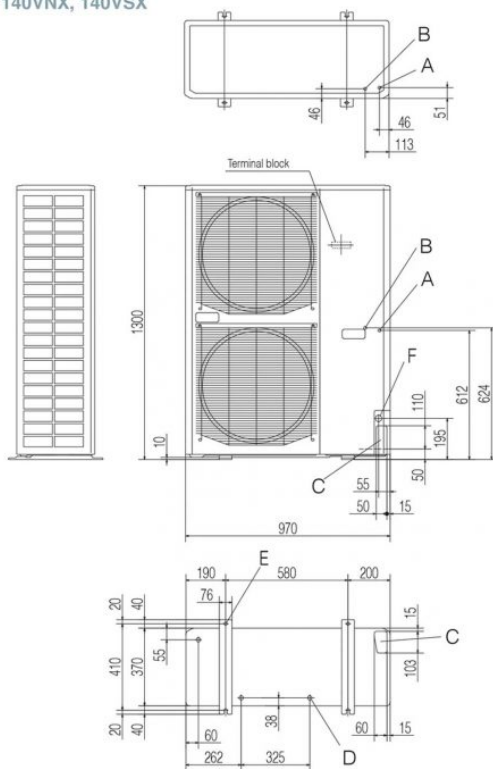
**SRK20ZSX-W, -WB, -WT SRK25ZSX-W, -WB, -WT**  
**SRK35ZSX-W, -WB, -WT SRK50ZSX-W, -WB, -WT**  
**SRK60ZSX-W, -WB, -WT**



Space for installation and service when viewing from the front

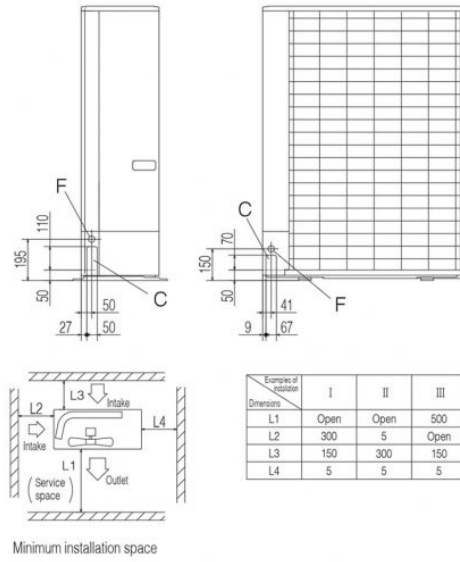
Symbol	Content	
A	Gas piping	SRK 20,25,35 $\phi 9.52$ (3/8") (Flare) SRK 50,60 $\phi 12.7$ (1/2") (Flare)
B	Liquid piping	$\phi 6.35$ (1/4") (Flare)
C	Hole on wall for right rear piping	( $\phi 65$ )
D	Hole on wall for left rear piping	( $\phi 65$ )
E	Drain hose	VP16
F	Outlet for piping	

**FDC100VNX, 100VSX, 125VNX, 125VSX, 140VNX, 140VSX**



Symbol	Content	
A	Service valve connection of the attached connecting pipe (gas side)	$\phi 15.88$ (5/8") (Flare)
B	Service valve connection (liquid side)	$\phi 9.52$ (3/8") (Flare)
C	Pipe / cable draw-out hole	
D	Drain discharge hole	$\phi 20 \times 3$ places
E	Anchor bolt hole	M10 $\times$ 4places
F	Cable draw-out hole	$\phi 30$ (front) $\phi 45$ (side) $\phi 50$ (back)

- Notes
- (1) It must not be surrounded by walls on the four sides.
  - (2) The unit must be fixed with anchor bolts. An anchor bolt must not protrude more than 15mm.
  - (3) Where the unit is subject to strong winds, lay it in such a direction that the blower outlet faces perpendicularly to the dominant wind direction.
  - (4) Leave 1m or more space above the unit.
  - (5) A wall in front of the blower outlet must not exceed the units height.
  - (6) The model name label is attached on the lower right corner of the front panel.
  - (7) Connect the Service valve with local pipe by using the pipe of the attachment. ( Gas side only)



Examples of installation		I	II	III
Dimensions				
L1	Open	Open	500	
L2	300	5	Open	
L3	150	300	150	
L4	5	5	5	