

**SAKURA®**



**Ducted Split**



# Split Type Ducted Air Conditioner

SKD(R)20W/N - 104W/N

Cooling capacity: 19.5 ~ 103.7 kW

Heating capacity: 22.6 ~ 115.8 kW



## FEATURES

- 11 sizes available ranging from 19.5 kW to 103.7 kW cooling capacity.
- Cooling only and heat pump version.
- Wide application as hotel, apartment, villa, factory, shopping center, office building, school, etc.
- Panels and frame are made from metal steel protected with polyester powder painting to ensure total resistance to atmospheric agents.
- High efficiency scroll compressor for the whole range, with built-in thermal overload cut-out and crankcase heater, mounted on rubber vibration dampers.
- Compact indoor design, long air supply distance.
- Outdoor units are equipped with low noise axial fans.
- Indoor units are equipped with quiet centrifugal fans.

- Split installation, connected by means of flare/welding coupling.
- Easy operation line controller:
  - ? Cooling/Heating/Fan/Auto
  - ? Error indication
  - ? Timing On/Off
- Multi safety protection
  - ? High/low pressure protection
  - ? Overheat protection
  - ? Current overload protection
  - ? Phase sequence relay
  - ? Time delay and antifreeze switch

## OPTIONAL

- Additional electric heater on indoor unit
- Additional heating coil on indoor unit

## NOMENCLATURE

SBD R E 20 W / N D

O\* Ducted split unit

© Unit type

--: cooling only

R: heat pump

© Air cooled

O Size

© Outdoor unit

© Indoor unit

--: no optional

S: with additional heating coil

D: with additional electric heater

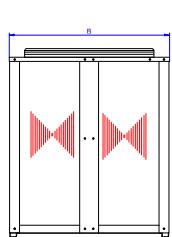
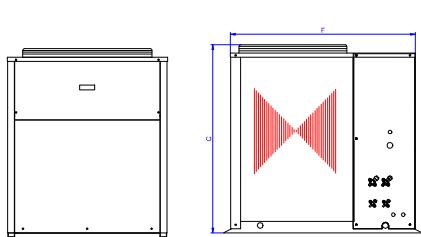
Mod. SKD(R)		20	25	32	36	42	48
<b>Nominal cooling capacity*</b>	kW	19.5	24.8	31.2	35.6	41.3	47.4
<b>Nominal heating capacity**</b>	kW	22.6	28.9	35.8	40.8	46.9	54.4
<b>Connection</b>							
Method	/	Flare	Flare	Flare	Welding	Welding	Welding
Liquid pipe diameter	∅ mm	9.52x2	12.7x2	12.7x2	15.88x1	15.88/12.7	15.88/12.7
Gas pipe diameter	∅ mm	15.88x2	19.05x2	19.05x2	28x1	28/19.05	28/19.05
<b>Power supply</b>	/	380V/3N/50Hz					
<b>OUTDOOR UNIT</b>	<b>Compressor</b>						
	Qty/refrigerant circuit	Nr.	2/2	2/2	2/2	2/2	2/2
	Cooling power input*	kW	7.2	9.3	11.8	12.8	15.1
	Heating power input**	kW	7.13	9.21	11.68	12.67	14.95
	Energy adjustment	%	50-100	50-100	50-100	40-60-100	33-66-100
	<b>Axial fans</b>						
	Quantity	Nr.	1	1	1	2	2
	Airflow	m³/h	9400	9400	12500	14200	18800
<b>INDOOR UNIT</b>	<b>Sound pressure level***</b>	dB(A)	67	67	68	70	71
	<b>Net weight</b>	kg	170	180	220	230	260
	<b>Centrifugal fans</b>						
	Quantity	Nr.	2	2	2	2	2
	Airflow	m³/h	3500	4500	5650	6450	7400
	ESP	Pa	120	100	150	130	180
	<b>Sound pressure level***</b>	dB(A)	64	64	66	66	68
	<b>Net weight</b>	kg	90	100	150	160	180
<b>Additional electric heater****</b>	kW	2×3	2×4	2×5	2×6	2×6	2×8
<b>Additional heating coil****</b>	kW	22.2	28.4	35.1	40.0	46.0	53.3

Mod. SKD(R)		52	62	72	88	104
<b>Nominal cooling capacity*</b>	kW	51.3	63.3	71.3	87.9	103.7
<b>Nominal heating capacity**</b>	kW	58.9	72.6	81.9	100.0	115.8
<b>Connection</b>						
Method	/	Welding	Welding	Welding	Welding	Welding
Liquid pipe diameter	∅ mm	15.88/12.7	15.88×2	15.88×2	15.88×2	19.05×2
Gas pipe diameter	∅ mm	28/19.05	28×2	28×2	28×2	35×2
<b>Power supply</b>	/	380V/3N/50Hz				
<b>OUTDOOR UNIT</b>	<b>Compressor</b>					
	Qty/refrigerant circuit	Nr.	2/2	2/2	2/2	2/2
	Cooling power input*	kW	18.4	23.1	26.6	28.1
	Heating power input**	kW	18.22	22.87	26.33	27.82
	Energy adjustment	%	30-70-100	50-100	50-100	50-100
	<b>Axial fans</b>					
	Quantity	Nr.	2	2	2	2
	Airflow	m³/h	21500	26500	29880	36500
<b>INDOOR UNIT</b>	<b>Sound pressure level***</b>	dB(A)	71	71	71	71
	<b>Net weight</b>	kg	330	340	460	780
	<b>Centrifugal fans</b>					
	Quantity	Nr.	2	2	2	2
	Airflow	m³/h	9250	11450	12900	14800
	ESP	Pa	200	300	300	280
	<b>Sound pressure level***</b>	dB(A)	68	68	69	69
	<b>Net weight</b>	kg	220	230	300	320
<b>Additional electric heater****</b>	kW	2×8	2×10	2×10	2×12	2×14
<b>Additional heating coil****</b>	kW	57.8	71.2	80.3	98.0	113.5

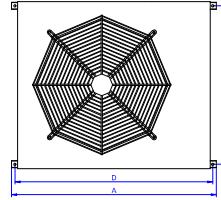
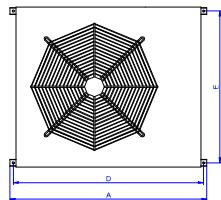
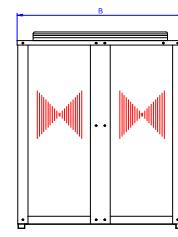
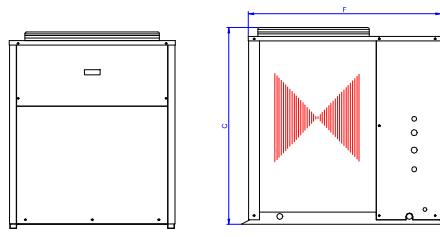
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32W

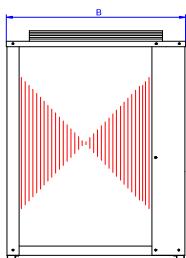
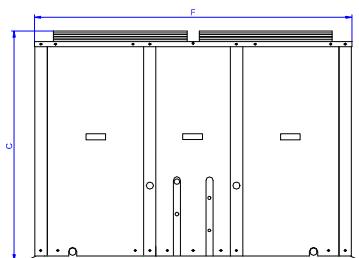


36W

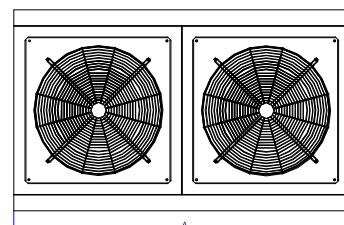
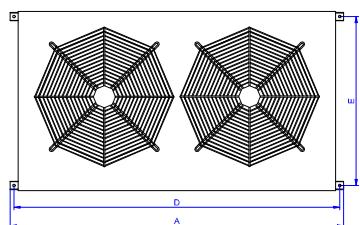
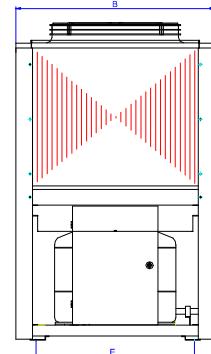
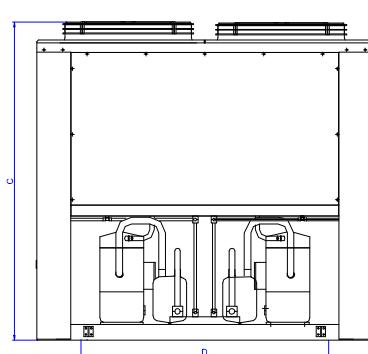


Mod.	A	B	C	D	E	F	Mod.	A	B	C	D	E	F
<b>20W</b>	1120	830	1030	1080	780	1050	<b>32W</b>	1180	960	1130	1140	910	1110
<b>25W</b>	1120	830	1030	1080	780	1050	<b>36W</b>	1180	960	1130	1140	910	1110

SBD(R)FC 42W ~ 72W



SBD(R)FC 88W ~ 104W



Mod.	A	B	C	D	E	F	Mod.	A	B	C	D	E	F
<b>42W</b>	1640	880	1130	1600	830	1560	<b>72W</b>	2120	970	1130	2080	920	2050
<b>48W</b>	1640	880	1130	1600	830	1560	<b>88W</b>	2165	1285	2030	1600	1020	
<b>52W</b>	1840	970	1130	1800	920	1760	<b>104W</b>	2165	1285	2105	1600	1020	
<b>62W</b>	1840	970	1130	1800	920	1760							

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