

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 F 20 W / N D

O: Ducted split unit

©: Unit type

--: cooling only

R: heat pump

© Air cooled

○ 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	
Nominal cooling capacity*		kW	19.5	24.8	31.2	35.6	41.3	47.4
Nominal heating capacity**		kW	22.6	28.9	35.8	40.8	46.9	54.4
Connection								
Method	/	Flare	Flare	Flare	Welding	Welding	Welding	
Liquid pipe diameter	ϕ mm	9.52x2	12.7x2	12.7x2	15.88x1	15.88/12.7	15.88/12.7	
Gas pipe diameter	ϕ mm	15.88x2	19.05x2	19.05x2	28x1	28/19.05	28/19.05	
Power supply		/	380V/3N/50Hz					
OUTDOOR UNIT	Compressor							
	Qty/refrigerant circuit	Nr.	2/2	2/2	2/2	1/1	2/2	2/2
	Cooling power input*	kW	7,2	9,3	11,8	12,8	15,1	17,9
	Heating power input**	kW	7.13	9,21	11,68	12,67	14,95	17,72
	Energy adjustment	%	50-100	50-100	50-100	0-100	40-60-100	33-66-100
	Axial fans							
	Quantity	Nr.	1	1	1	1	2	2
	Airflow	m³/h	9400	9400	12500	14200	18800	18800
	Sound pressure level***	dB(A)	67	67	68	70	71	71
	Net weight	kg	170	180	220	230	260	280
INDOOR UNIT	Centrifugal fans							
	Quantity	Nr.	2	2	2	2	2	2
	Airflow	m³/h	3500	4500	5650	6450	7400	8550
	ESP	Pa	120	100	150	130	180	200
	Sound pressure level***	dB(A)	64	64	66	66	68	68
	Net weight	kg	90	100	150	160	180	200
Additional electric heater****		kW	2×3	2×4	2×5	2×6	2×6	2×8
Additional heating coil****		kW	22,2	28,4	35,1	40,0	46,0	53,3

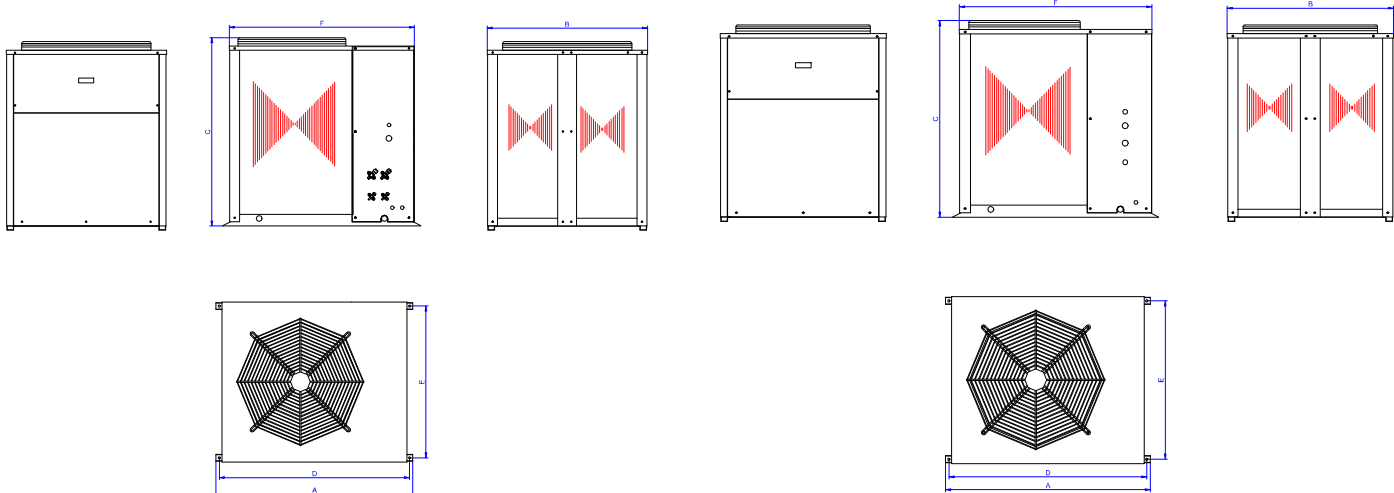
Mod. SKD(R)		52	62	72	88	104	
Nominal cooling capacity*		kW	51,3	63,3	71,3	87,9	103,7
Nominal heating capacity**		kW	58,9	72,6	81,9	100,0	115,8
Connection							
Method		/	Welding	Welding	Welding	Welding	Welding
Liquid pipe diameter		Ø mm	15.88/12.7	15.88×2	15.88×2	15.88×2	19.05×2
Gas pipe diameter		Ø mm	28/19.05	28×2	28×2	28×2	35×2
Power supply		/	380V/3N/50Hz				
OUTDOOR UNIT	Compressor						
	Qty/refrigerant circuit	Nr.	2/2	2/2	2/2	2/2	2/2
	Cooling power input*	kW	18,4	23,1	26,6	28,1	39,3
	Heating power input**	kW	18,22	22,87	26,33	27,82	38,91
	Energy adjustment	%	30-70-100	50-100	50-100	50-100	50-100
	Axial fans						
	Quantity	Nr.	2	2	2	2	2
	Airflow	m³/h	21500	26500	29880	36500	43500
	Sound pressure level***	dB(A)	71	71	71	71	71
Net weight		kg	330	340	460	780	800
INDOOR UNIT	Centrifugal fans						
	Quantity	Nr.	2	2	2	2	2
	Airflow	m³/h	9250	11450	12900	14800	17100
	ESP	Pa	200	300	300	280	500
	Sound pressure level***	dB(A)	68	68	69	69	70
	Net weight	kg	220	230	300	320	400
Additional electric heater****		kW	2×8	2×10	2×10	2×12	2×14
Additional heating coil****		kW	57,8	71,2	80,3	98,0	113,5

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32W

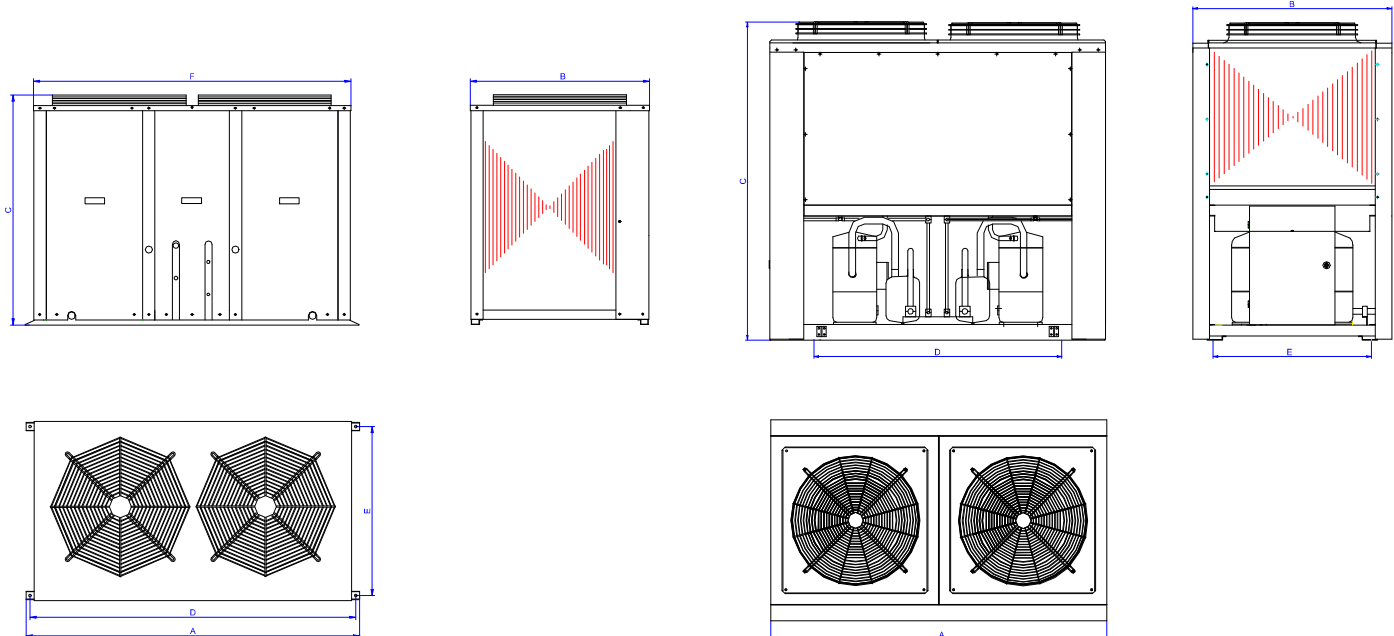
36W



Mod.	A	B	C	D	E	F	Mod.	A	B	C	D	E	F
20W	1120	830	1030	1080	780	1050	32W	1180	960	1130	1140	910	1110
25W	1120	830	1030	1080	780	1050	36W	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
42W	1640	880	1130	1600	830	1560	72W	2120	970	1130	2080	920	2050
48W	1640	880	1130	1600	830	1560	88W	2165	1285	2030	1600	1020	
52W	1840	970	1130	1800	920	1760	104W	2165	1285	2105	1600	1020	
62W	1840	970	1130	1800	920	1760							

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