

SPOT COOLER

Performance comparison for spot cooler and evaporative air cooler

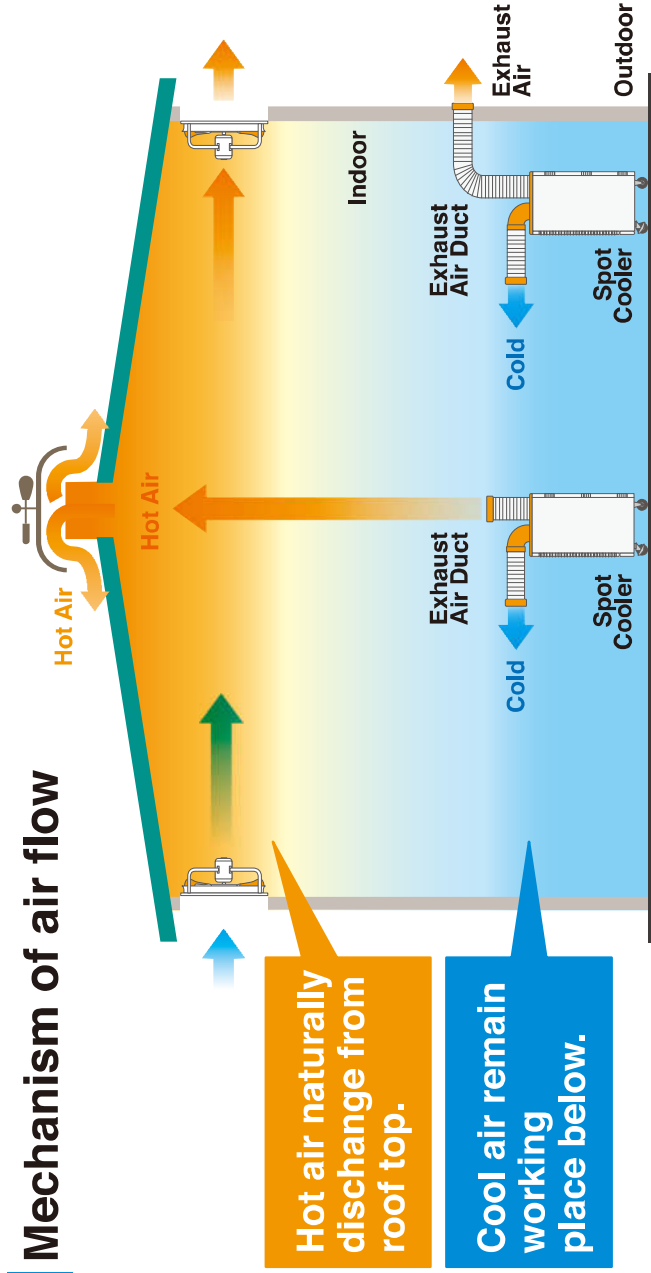
These data are selected based on typical climate in South-east Asia (Temperature & Humidity).

※ These data are collected in environmental test room at Sulltan facility.

Humidity	Ambient temperature	Cool air temperature	Temperature difference	Ambient temperature	Cool air temperature	Temperature difference	Humidity
80%	38°C	31.6°C	-6.4°C	35.7°C	38°C	-2.3°C	80%
	35°C	28.4°C	-6.3°C	32.6°C	35°C	-2.4°C	80%
	32°C	25.1°C	-6.9°C	29.8°C	32°C	-2.2°C	80%
60%	38°C	28.0°C	-10.0°C	32.9°C	38°C	-5.1°C	60%
	35°C	25.5°C	-9.5°C	30.6°C	35°C	-4.4°C	60%
	32°C	22.4°C	-9.6°C	27.5°C	32°C	-4.5°C	60%
40%	38°C	25.3°C	-12.7°C	30.1°C	38°C	-7.9°C	40%
	35°C	22.6°C	-12.4°C	27.8°C	35°C	-7.2°C	40%
	32°C	20.2°C	-11.8°C	25.1°C	32°C	-6.9°C	40%



Mechanism of air flow



Hot air naturally discharge from roof top.

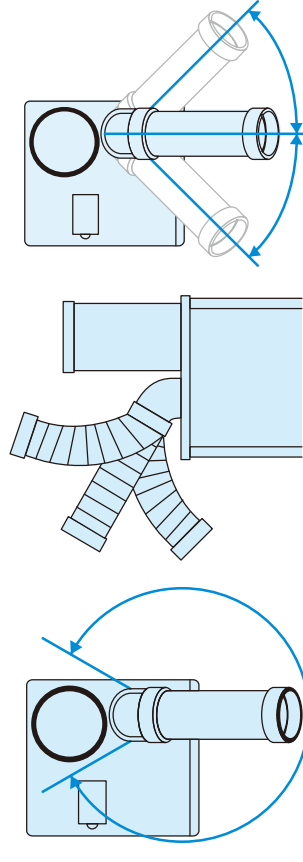
Cool air remain working place below.

Adjustable cool air duct

① 300° Swing range

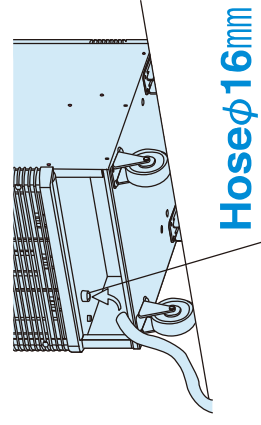
② Flexible ducts

③ Automatic swing function



Minimum bending angle R235 Cool air over a wide area

Direct Drainage function



※ Hose is NOT in our optional products.

Environmental friendly refrigerant R407C

- No ozone depleting potential (Reduced global warming potential). (GHG index : R407C → 1500, R22 → 1700)
- Non-combustible refrigerant. (New propane refrigerant is flammable)

Exhaust Air Duct

① Aligning the attachment guide marker.

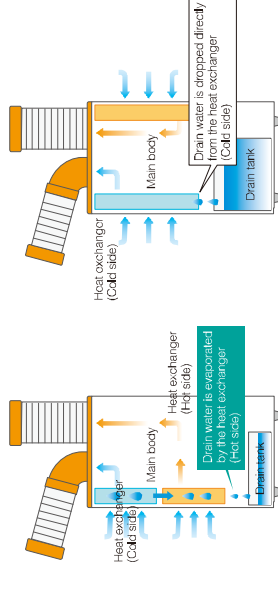


Note: The both ducts can extend up to 550mm but the dimensional tolerance is ±20mm by individual difference.

Mini-drain tank

Comparing to the previous model, drain water amount is 18 times less.

Around 90% ↓ down



■ Condition: 35°C humidity 60%

Previous model	Drain amount (cc/h)	Tank capacity
Previous model	1800	20L
Current model	100	5L

※ In a rain season (e.g. 30°C humidity 80%), drain amount may be twice or three times more compared to a dry season.

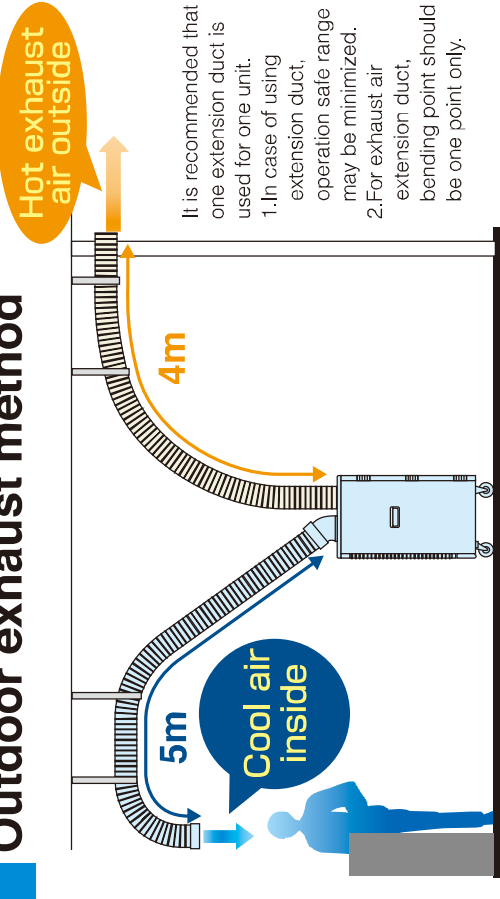
※ The data above is measured in a brand new condition so drain water amount may be changed by various factors such as heat exchanger is covered by oil, dust, etc.

Outdoor exhaust method

The power cable is 2 meters long (VCTFK 1.0Sq x2 cores x 2m)

Power cable length nominal cross-sectional area.

≤ 8m	1.5mm ²
≤ 14m	2.5mm ²
≤ 22m	4.0mm ²



- It is recommended that one extension duct is used for one unit.
1. In case of using extension duct, operation safe range may be minimized.
 2. For exhaust air extension duct, bending point should be one point only.

SPOT COOLER

Single duct spot coolers

Single phase 220V 50Hz
R407C Refrigerant

For One Person

- **SS-22DG-8B Automatic swivel**
- **SS-22EG-8B No automatic swivel**

Model number	SS-22DG-8B	SS-22EG-8B
Automatic swivel	Yes	No
Power supply	Single phase 220V	Single phase 220V
Cooling capacity(50Hz)	2.2kW / 7500BTU	2.2kW / 7500BTU
Power consumption(50Hz)	0.6kW	0.6kW
Refrigerant	R407C	R407C
Net weight	39 kg	39 kg
Drain tank capacity	5L(Mini drain)	5L(Mini drain)
Power cable and plug	Cable:2m / Electric plug not included	W930 x D430 x H808
Dimensions(mm)	W930 x D430 x H808	25°C (60%) - 45°C (40%)
Operation safety range	25°C (60%) - 45°C (40%)	



- Light and portable air cooler with one cool air duct for one person, workstation or machine.
- Very space efficient. Can be placed directly against walls or other objects on three sides.
- The automatic swivel function of SS-22DG-8B provides a very wide and smooth cooling effect.

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Two ducts spot coolers

Single phase 220V 50Hz
R407C Refrigerant

For Two People

- **SS-40DG-8B Automatic swivel**
- **SS-40EG-8B No automatic swivel**

Model number	SS-40DG-8B	SS-40EG-8B
Automatic swivel	Yes	No
Power supply	Single phase 220V	Single phase 220V
Cooling capacity(50Hz)	4.0 kW / 13500 BTU	4.0 kW / 13500 BTU
Power consumption(50Hz)	1.30 kW	1.30 kW
Refrigerant	R407C	R407C
Net weight	73kg	73kg
Drain tank capacity	8 L (Mini drain)	8 L (Mini drain)
Power cable and plug	Cable: 2 m / Electric plug not included	W 520 x D 470 x H 1120
Dimensions(mm)	W 520 x D 470 x H 1120	25°C (60%) - 45°C (40%)
Operation safety range	25°C (60%) - 45°C (40%)	



- Portable cooler with two cool air duct outlets for two people or two workstations.
- Very space efficient. Can be placed directly against walls or other objects on three sides.
- With the automatic swivel function of SS-40DG-8B both ducts smoothly swing in a 90° angle, providing a pleasant cooling effect for your working area.

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Three ducts spot cooler

Single phase 220V 50Hz
R407C Refrigerant

For Three People

- **SS-56EG2-8B**

Model number	SS-56EG2-8B
Automatic swivel	No
Power supply	Single phase 220V
Cooling capacity(50Hz)	5.6 kW / 19000 BTU
Power consumption(50Hz)	2.8 kW
Refrigerant	R407C
Net weight	90kg
Drain tank capacity	20 L
Power cable and plug	Cable:2m/ Electric plug not included
Dimensions(mm)	W 480 x D 600 x H 1120
Operation safety range	25°C (60%) - 45°C (40%)



- 19,000 BTU of portable cooling power. The three cool air outlet ducts make it perfect for cooling three people or three workstations.
- Direct all the duct outlets in the same direction for amplified cooling effect.
- Space efficient design. Can be placed directly against walls on two sides.

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Single duct spot cooler

Single phase 220V 50Hz
R407C Refrigerant

For One Person

- **SS-22LA-8B**

Model number	SS-22LA-8B
Automatic swivel	No
Power supply	Single phase 220V
Cooling capacity(50Hz)	2.2kW / 7500BTU
Power consumption(50Hz)	0.65kW
Refrigerant	R407C
Net weight	35 kg
Drain tank capacity	5L(Mini drain)
Power cable and plug	Cable: 2m/ Electric plug not included
Dimensions(mm)	W354xD412xH1041(Not including duct)
Operation safety range	25°C (60%) - 45°C (40%)



- Light and portable air cooler with one cool air duct for one person, workstation or machine.
- Very space efficient. Can be placed directly against walls or other objects on two sides.

- Louver model. Can be used with cool air duct as the picture shown right here.
- ※Cool air duct is for this model is optional parts.

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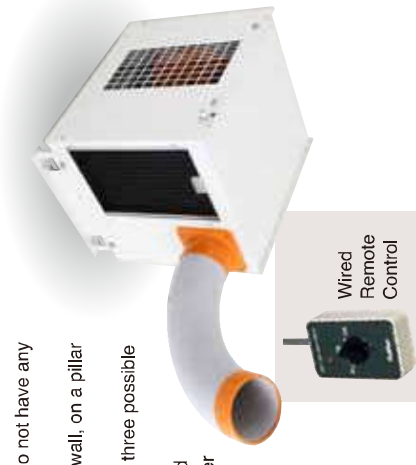
Ceiling type spot coolers

Single phase 100V and 3 phase 200V
R407C Refrigerant

Perfect for Cramped Work Areas

- **SS-20CJ-1**
- **SS-20CJ-3**

Model number	SS-20CJ-1	SS-20CJ-3
Power supply	Single phase 100V	3 phase 200V
Cooling capacity(50Hz)	1.7kW / 5800BTU	1.6kW / 5500BTU
Power consumption(50Hz)	940W	880W
Refrigerant	R407C	R407C
Compressor safety devices	<ul style="list-style-type: none"> Overheat relay Fan protecting thermostat Phase-phase protection relay 	<ul style="list-style-type: none"> Overheat relay Fan protecting thermostat Phase-phase protection relay
Net weight	38 kg	38 kg
Power cable	4m	Not included
Dimensions(mm)	W440 x D488 x H427	
Operation safety range	25°C (60%) - 45°C (40%)	



- Perfect for cramped work areas that do not have any free space on the floor.
- Can be installed in the ceiling, on the wall, on a pillar or on a stand.
- The cool air duct can be connected in three possible places which gives great flexibility.
- Is controlled from the ground via wired remote that is delivered with 4m power cable.

Made in Japan

Stock in Japan

Spot Cooler Accessories

1	Standard Cool Air Duct	2	Standard Exhaust Air Duct	3	Cool Air Extension Duct	4	Exhaust Air Extension Duct	5	Duct Band	6	Standard Dust Filter
7	Heavy Duty Dust Filter	8	Oil Mist Filter	9	Cool Air Duct Elbow	10	Suspension Hooks	11	Cool Air Branch Duct	12	Cool Air Duct Shutter

Accessories	Applicable models	Measurements
1 Standard Cool Air Duct	SS-22 SS-40, SS-56	ø114 x 400mm
2 Standard Exhaust Air Duct	SS-22 SS-40, SS-56	ø200 x 360mm
3 Cool Air Extension Duct	SS-22 SS-40, SS-56	ø250 x 960mm
4 Exhaust Air Extension duct	SS-22 SS-40, SS-56	ø175 x 4m
5 Duct Band	SS-22 SS-40, SS-56	ø200 x 4m
6 Standard Dust Filter	SS-22 SS-40, SS-56	ø125: ø175, ø200, ø250
7 Heavy Duty Dust Filter	SS-40	575 x 324mm
8 Oil Mist Filter	SS-56 (Large)	800 x 454mm
9 Cool Air Duct Elbow	SS-56 (Small)	720 x 424mm
10 Suspension Hooks	SS-22	485 x 282mm
11 Cool Air Branch Duct	SS-22	580 x 500mm
12 Cool Air Duct Shutter	SS-22	770 x 480mm
		750 x 570mm
		500 x 330mm
		575 x 324mm
		800 x 454mm
		717 x 424mm
		500 x 280mm
		offset steps for each model
		—
		ø90x2, L 500mm
		For cool air duct
		For cool air duct

※ For cool air extension duct SS-22 does not include SS-22LA-8B.