

VRF SYSTEM



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Air is our element – moving it **intelligently and efficiently** is our passion. Since 1981 we have been developing and producing adjustable external rotor motors, fans and air handling units.

Our headquarters in Künzelsau is in the centre of the Heilbronn-Franken innovation area. **German Engineering skill** is the basis of our development work and drives our innovation. As a worldwide company we are represented where our customers need us.

With production sites and sales offices in more than 45 countries **we are present worldwide** – a strong and reliable partner always within reach of our customers.

The continuous exchange of information between customers and employees comes first with us. Consequently, we can permanently optimise products and quality to respond flexibly to all of our customers' needs.



Established	1981
Employees	350 in Germany approx. 1,400 worldwide
Production sites	Künzelsau (GER), Glaubitz (GER), Waldmünchen (GER), Hungary, Czech Republic, Italy, France, Slovakia, Turkey, Mexico, China
Development centres (certified laboratory)	Germany, France, Hungary and China
Additional members of the Rosenberg Group	ROX Klimatechnik GmbH ECOFIT, ETRI, Airtècnics

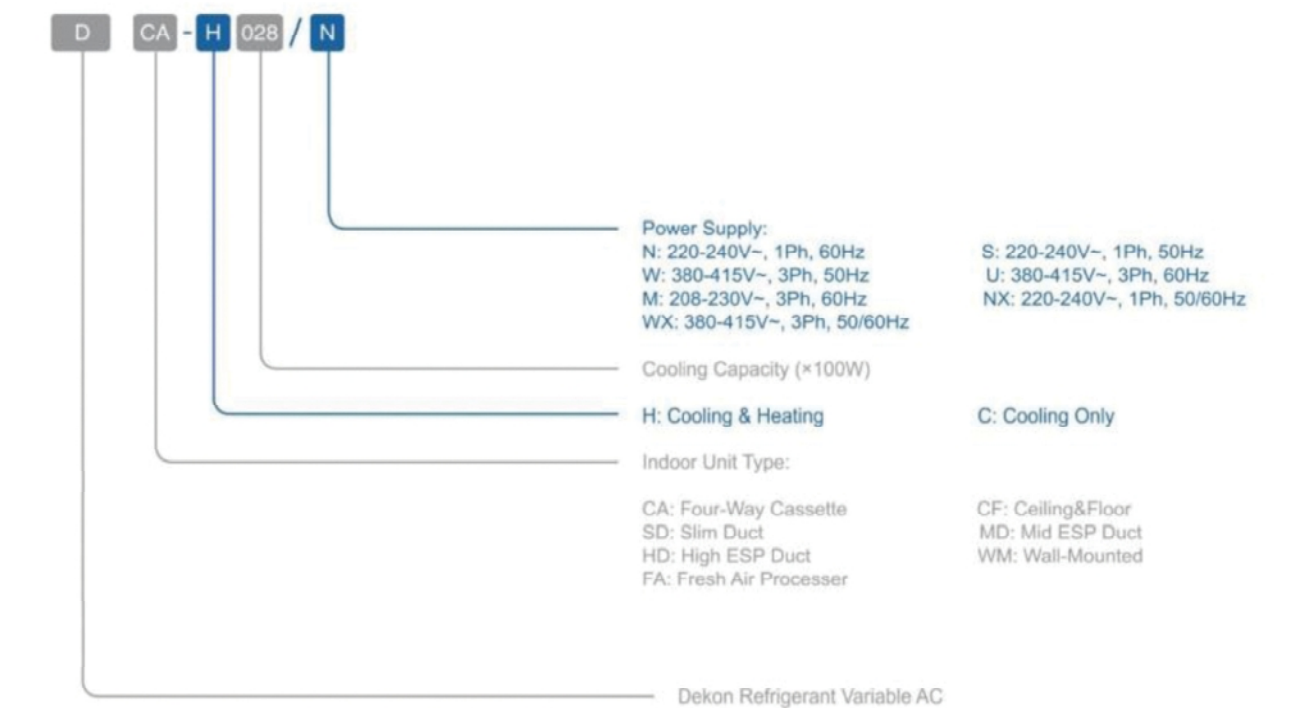
AIR IS OUR ELEMENT

We offer intelligent solutions to move air efficiently -
no matter whether it is hot or cold.

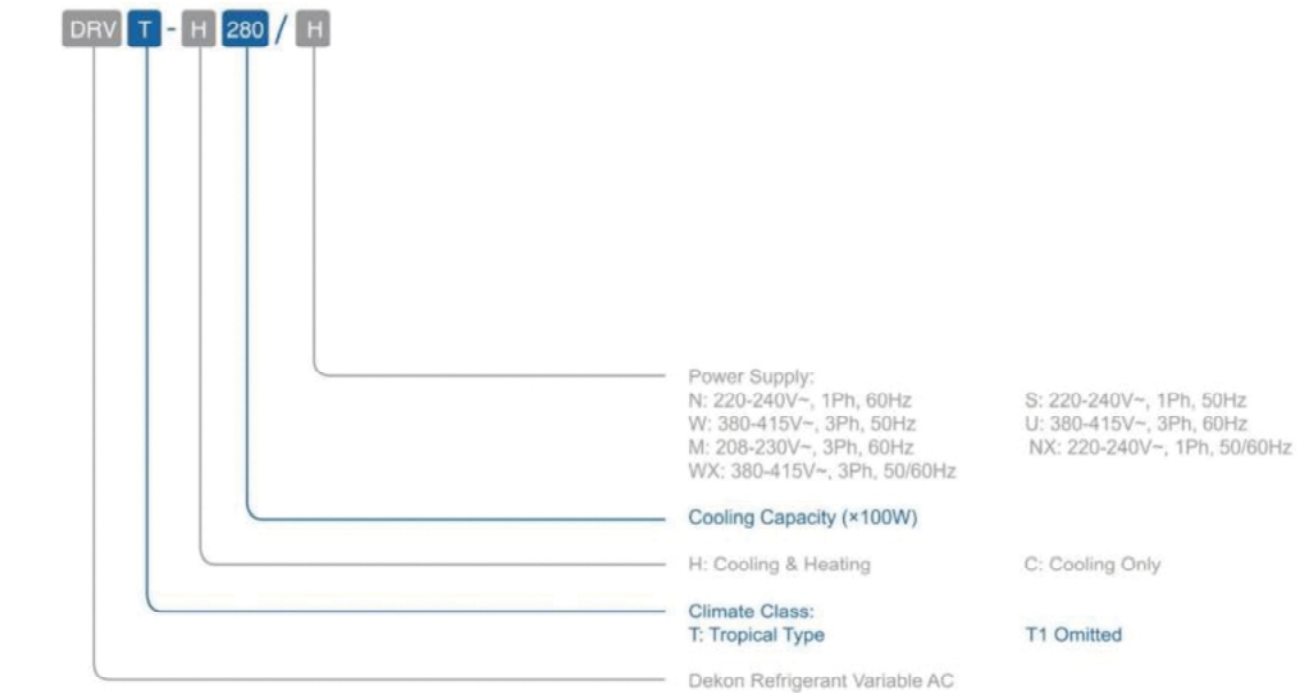
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Nomenclature

Indoor Unit



Outdoor Unit



Energy Saving



180° Sine Wave Control

With considerable advantages, DC Inverter 180° sine wave driving technology has much wider range of frequency and voltage, higher energy efficiency, more smooth running and lower noise.



0.5W 0.5W Standby

Intelligent technology enables DRV products to cut energy consumption from normal 5W to 0.5W per hour when standby, which counts 90% of saving.



Sleep Mode

The function enables the air conditioner to automatically increase cooling or decrease heating 1°C per hour for the first 2 hours, then holds steady for the next 5 hours, after that it will switch off. This function maintains both energy saving and comfort in night.



Hydrophilic aluminum fin

The louvered hydrophilic aluminum foil has improved by more than 10%. There refrigerant inlet and outlet are separated, to ensure the sub-cooling and enhance the cooling capacity.



Full Process By DC Drive

DC control, DC Compressor, DC indoor motor, DC outdoor motor, and DC Electronic expansion valve make low noise and high efficiency.

Convenience



24-hour Timer

Users can turn on or turn off the air conditioner at any time in 24 hours with remote controller or wireless controller.



Built-in Drain Pump

The built-in pump can lift the condensing water 1200 mm upmost from the drainage pan.



Dual side Drainage

Both left and right sides of the indoor unit are possible for drainage hose connection, and it's easy for installation with this function.



Digital Tube Display

Easily for the running parameters checking and more convenient for troubleshooting, digital tube displays work status such as indoor temperature, setting temperature, the mode of operation, etc.



Remote Control

Help users to control the air conditioner easily, you can design your most comfortable settings with this controller.



Wired Control

Help users to control the air conditioner easily, the wired controller can be fixed on the wall and avoid mislaying. It's mainly used for commercial zone and makes air conditioner control more convenient.



Central Control

With the control function of weekly timer, zone (or group) setting etc., the centralized controller can control 64 units with RS 485 wire connection and the central control adapter.



WIFI Control

With the WIFI control, you can easily turn off the air conditioner outside your house via smart device. Furthermore, you can turn it on before you come back. The indoor unit filter can be taken off to wash easily and it keeps cleaning air all the time.



Washable Filter

The indoor unit filter can be taken off to wash easily and it keeps cleaning air all the time.



Auto Restart Function

If the air conditioner breaks off unexpectedly due to the power cut, it will restart with the previous setting mode automatically when the power resume.

Health



Fresh Air Intake

Air outside can be led into the room via a connection pipe, which keeps the indoor air fresh and healthy.



Long-term Filter

The latest long-term filter ensures better air quality. Meanwhile, the cleaning frequency has been decreased, and maintenance is also much easier.



Self-Cleaning

Indoor unit will continue running with special combined mode to blow and dry indoor evaporator after the unit switch off so as to keep clean and healthy.

Comfort



Anti-Cold-Air

When starting the heating operation, the fan speed is regulated automatically from the lowest speed to the preset level. This function can prevent cold air from blowing out at the beginning of the operation, which avoids the discomfort to the user.



Follow Me

Temperature sensor built in the remote control will sense its surrounding temperature, so the unit can achieve accurate and comfortable temperature control just like the air conditioner is following you.



Fast Cooling /Heating

Startup at high frequency increases cooling/heating capacity and reduces time to reach set temperature, thus you can enjoy cooling and heating in seconds.



Auto swing

Distributes cool/warm air to maximum area by moving horizontal and vertical fags automatically.



Independent Dehumidification

With the independent dehumidification function, the unit can efficiently dehumidify the room and give you more comfort.



3D Air Flow

Combine vertical and horizontal auto swing to ensure an even distribution of air flow throughout the room.



Dimmer

Press this button to shut off the display light on the front panel.



Silent

Indoor fan will run at super breeze speed and indoor noise level can be extremely low when the unit enters silent mode operation.

Reliability



Self-diagnosis Function

Once abnormal operation or parts failure happen, the unit will monitor the failures, the microcomputer of air conditioner will switch off and protect the system automatically when it happens. Meanwhile, the error or protection code will be displayed on the indoor unit.



Low Ambient Cooling

With special designed PCB, outdoor fan speed can be changed automatically according to condensation temperature. The air conditioner can run cooling operation even when the outdoor ambient temperature down to -15°C.



Intelligent Defrosting

Normal defrost function can only be operated in certain time, but Rosenberg commercial start automatically according to the air conditioner's intelligent defrost can sur- rounding condition.



Compressor Heating Belt

Auxiliary heating belt can increase compressor oil temperature in winter and prevent defrosting water accumulated, which improves heat transfer efficiency.



No Frosting Chassis

The unique pipeline design makes the temperature on chassis higher than normal units, and it prevents defrosting water accumulated, which improves heat transfer efficiency and solves the drainage problem.



Golden Fin

Effectively prevent bacteria breeding and improve heat transfer efficiency. The unique anti-corrosive golden coating on the condenser can withstand the rain, salty air and other corrosive elements.



Optional Electric Heater

Built-in auxiliary electric heater as option, the heating performance will be more powerful.



Fire-proof Electric Box

Electrical control box adopts new design, which can meet the higher fire safety requirement to prevent the internal fire due to the electric spark accident.



Indoor Units

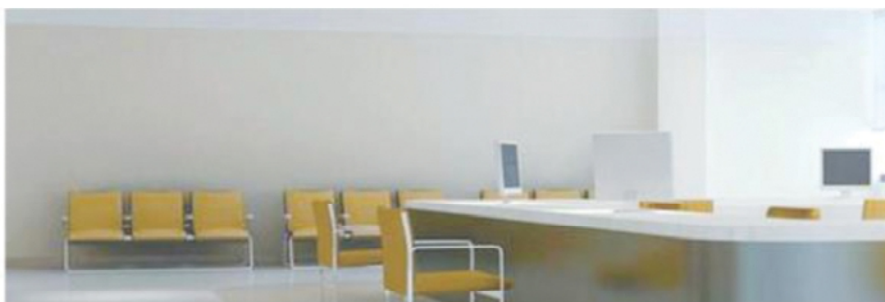
Cassette Series



Compact
Four-way Cassette



Four-way Cassette



FEATURES

■ optional ■ standard



Independent
Dehumidification



Digital Tube Display



Sleep Mode



Built-in Drain Pump



Fast Cooling/Heating



3D Air Flow



Fresh Air Intake



Wired Control

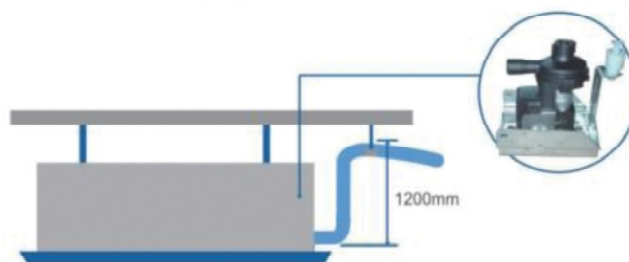


Central Control

Compact Four-Way Cassette

Built-in Water Drainage Pump

Digital tube displays all contents: indoor temperature, setting temperature, operation mode, etc.
Clearly to check the running status, more convenient for trouble shooting.



Optimized Electric Box

Better fire-proof and easy to maintenance.



Ultra Slim Design

Only 250mm in height, save installation space.



Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.



Quiet Operation

Innovative 3D spiral wind leaf increases air volume and makes the air supply more quietly and smoothly.



Digital Tube Display

Digital tube displays all contents: indoor temperature, setting temperature, operation mode, etc.
Clearly to check the running status, more convenient for trouble shooting.



Fan Motor Options

Choose either AC or DC fan motors.

Indoor Unit

Compact Four-Way Cassette



Specification-DC fan motor

Model	Indoor		DCA-H028SX	DCA-H036SX	DCA-H045SX	DCA-H056SX	DCA-H071SX	DCA-H080SX
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1	8.0
	Heating	kW	3.0	4.3	5.0	6.0	8.0	10.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1
	Rated Power	W	33.5	33.5	33.5	33.5	40	40
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	700/600/530	700/600/530	700/600/530	700/600/530	1250/1040/910	1250/1040/910
	Noise Level(Hi/Mid/Low)	dB(A)	45/41/35	45/41/35	45/41/35	45/41/35	38/34/30	38/34/30
Dimension (WxDxH)	Net(Body)	mm	570×630×260	570×630×260	570×630×260	570×630×260	835×835×250	835×835×250
	Packing(Body)	mm	650×710×290	650×710×290	650×710×290	650×710×290	910×910×310	910×910×310
	Net(Panel)	mm	650×650×55	650×650×55	650×650×55	650×650×55	950×950×55	950×950×55
	Packing(Panel)	mm	710×710×80	710×710×80	710×710×80	710×710×80	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body)	kg	19/21	19/21	19/21	19/21	24/29	24/29
	Net/Gross(Panel)	kg	3/5	3/5	3/5	3/5	5/7	5/7
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	140/312/354	140/312/354	140/312/354	140/312/354	78/168/184	78/168/184

Specification-DC fan motor

Model	Indoor		DCA-H090SX	DCA-H100SX	DCA-H112SX	DCA-H125SX	DCA-H140SX
Capacity	Cooling	kW	9.0	10.0	11.2	12.5	14.0
	Heating	kW	11.0	12.0	12.8	13.3	15.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1	220~240,50/60,1
	Rated Power	W	65	65	101	101	101
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	1500/1200/1050	1500/1200/1050	1800/1440/1260	1800/1440/1260	1800/1440/1260
	Noise Level(Hi/Mid/Low)	dB(A)	43/39/30	43/39/30	45/42/40	45/42/40	45/42/40
Dimension (WxDxH)	Net(Body)	mm	835×835×250	835×835×250	835×835×290	835×835×290	835×835×290
	Packing(Body)	mm	910×910×310	910×910×310	910×910×350	910×910×350	910×910×350
	Net(Panel)	mm	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55
	Packing(Panel)	mm	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body)	kg	25/30	25/30	26/31	26/31	26/31
	Net/Gross(Panel)	kg	5/7	5/7	5/7	5/7	5/7
Refrigerant Type			R410A	R410A	R410A	R410A	R410A
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	78/168/184	78/168/184	68/150/170	68/150/170	68/150/170

Notes:

1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature: 35°C DB/24°C WB.

2.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/6°C WB.

3.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.

4.Sound level is measured at 1.4m below the unit.

5.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Indoor Unit



Four-Way Cassette

Specification-50Hz AC fan motor

Model	Indoor		DCA-H071S	DCA-H080S	DCA-H090S	DCA-H100S	DCA-H112S	DCA-H125S	DCA-H140S
Capacity	Cooling	kW	7.1	8.0	9.0	10.0	11.2	12.5	14.0
	Heating	kW	8.0	10.0	11.0	12.0	12.8	13.3	15.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power	W	100	100	176	176	200	200	200
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	1250/1040/910	1250/1040/910	1500/1200/1050	1500/1200/1050	1800/1440/1260	1800/1440/1260	1800/1440/1260
	Noise Level(Hi/Mid/Low)	dB(A)	38/34/30	38/34/30	41/37/34	41/37/34	41/38/35	41/38/35	41/38/35
Dimension (WxDxH)	Net(Body)	mm	835×835×250	835×835×250	835×835×250	835×835×250	835×835×290	835×835×290	835×835×290
	Packing(Body)	mm	910×910×310	910×910×310	910×910×310	910×910×310	910×910×350	910×910×350	910×910×350
	Net(Panel)	mm	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55
	Packing(Panel)	mm	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body)	kg	27/34	27/34	28/35	28/35	30/37	30/37	30/37
	Net/Gross(Panel)	kg	5/7	5/7	5/7	5/7	5/7	5/7	5/7
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	78/168/184	78/168/184	78/168/184	78/168/184	68/150/170	68/150/170	68/150/170

Specification-60Hz AC fan motor

Model	Indoor		DCA-H071N	DCA-H080N	DCA-H090N	DCA-H100N	DCA-H112N	DCA-H125N	DCA-H140N
Capacity	Cooling	kW	7.1	8.0	9.0	10.0	11.2	12.5	14.0
	Heating	kW	8.0	10.0	11.0	12.0	12.8	13.3	15.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1	220~240,60,1
	Rated Power	W	95	95	122	122	165	165	165
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	1250/1040/910	1250/1040/910	1500/1200/1050	1500/1200/1050	1800/1440/1260	1800/1440/1260	1800/1440/1260
	Noise Level(Hi/Mid/Low)	dB(A)	38/34/30	38/34/30	41/37/34	41/37/34	41/38/35	41/38/35	41/38/35
Dimension (WxDxH)	Net(Body)	mm	835×835×250	835×835×250	835×835×250	835×835×250	835×835×290	835×835×290	835×835×290
	Packing(Body)	mm	910×910×310	910×910×310	910×910×310	910×910×310	910×910×350	910×910×350	910×910×350
	Net(Panel)	mm	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55	950×950×55
	Packing(Panel)	mm	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100	1000×1000×100
Weight	Net/Gross(Body)	kg	27/34	27/34	28/35	28/35	30/37	30/37	30/37
	Net/Gross(Panel)	kg	5/7	5/7	5/7	5/7	5/7	5/7	5/7
Refrigerant Type			R410A	R410A	R410A	R410A	R410A	R410A	R410A
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)	15.88(5/8)	15.88(5/8)	15.88(5/8)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Drainage	mm(inch)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)	DN20(R3/4)
Stuffing Quantity	20/40/40H	unit	78/168/184	78/168/184	78/168/184	78/168/184	68/150/170	68/150/170	68/150/170

Notes:

1. Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature: 35°C DB/24°C WB.

2. Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/6°C WB.

3. Piping Length: Equivalent piping length: 7.5m, level difference: 0m.

4. Sound level is measured at 1.4m below the unit.

5. The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.

Compact four-way cassette 2.8kw

DCA-H028SX



R410A
refrigerant

SPECIFICATIONS

Model	Indoor	DCA-H028SX	
Capacity	Cooling	kW	2.8
	Heating	kW	3.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50(60),1
	Rated Power	W	33.5
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	700/600/530
	Noise Level(Hi/Mid/Low)	dB(A)	45/41/35
Dimension (WxDxH)	Net(Body)	mm	570×630×260
	Packing(Body)	mm	650×710×290
	Net(Panel)	mm	650×650×55
	Packing(Panel)	mm	710×710×80
Weight	Net/Gross(Body)	kg	19/21
	Net/Gross(Panel)	kg	2.2/3.7
Refrigerant Type		R410a	
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)
	Drainage	mm(inch)	DN20(R3/4)

Built-In Water Drainage Pump

The built-in pump can lift condensing water up to 1200mm high from the drainage pan.

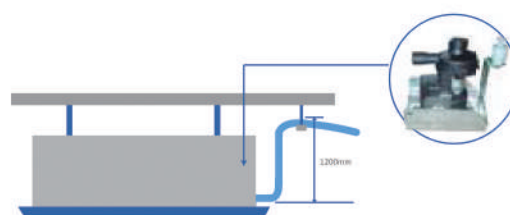
DRV Indoor Units

DC FAN MOTOR

FEATURES

■ optional ■ standard

Remote Control	Built-in Drain Pump	Auto Restart Function
Fresh Air Intake	Low Ambient Cooling	Fire-proof Electric Box
Hydrophilic Aluminum Fin	Washable Filter	Fast Cooling/Heating
Digital Tube Display	Wired Control	Central Control
Full Process By DC Drive	0.5W Standby	



Fresh Air Intake

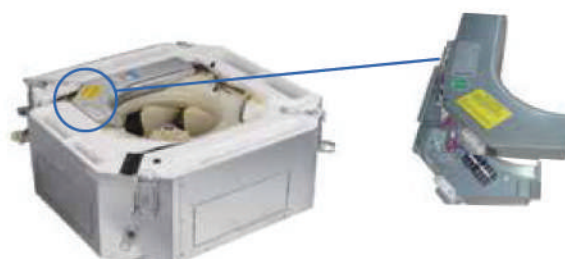
Fresh air makes indoor air healthy and comfortable.



Fresh air intake

Optimized Electric Box

Better fire-proof and easy to maintenance.



Compact four-way cassette 3.6kw

DCA-H036SX

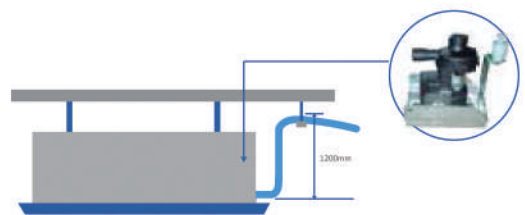


SPECIFICATIONS

Model	Indoor	DCA-H036SX	
Capacity	Cooling	kW	3.6
	Heating	kW	4.3
Electric Data	Power Supply	V~,Hz,Ph	220~240,50(60),1
	Rated Power	W	33.5
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	700/600/530
	Noise Level(Hi/Mid/Low)	dB(A)	45/41/35
Dimension (WxDxH)	Net(Body)	mm	570×630×260
	Packing(Body)	mm	650×710×290
	Net(Panel)	mm	650×650×55
	Packing(Panel)	mm	710×710×80
Weight	Net/Gross(Body)	kg	19/21
	Net/Gross(Panel)	kg	2.2/3.7
Refrigerant Type		R410a	
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)
	Drainage	mm(inch)	DN20(R3/4)

Built-In Water Drainage Pump

The built-in pump can lift condensing water up to 1200mm high from the drainage pan.



Fresh Air Intake

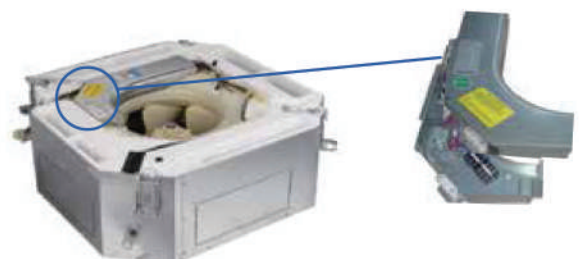
Fresh air makes indoor air healthy and comfortable.



Fresh air intake

Optimized Electric Box

Better fire-proof and easy to maintenance.



FEATURES

■ optional ■ standard



Remote Control



Built-in Drain Pump



Auto Restart Function



Fresh Air Intake



Low Ambient Cooling



Fire-proof Electric Box



Hydrophilic Aluminum Fin



Washable Filter



Fast Cooling/Heating



Digital Tube Display



Wired Control



Central Control



Full Process By DC Drive



0.5W Standby

Compact four-way cassette 4.5kw

DCA-H045SX



R410A
refrigerant

SPECIFICATIONS

Model	Indoor	DCA-H045SX	
Capacity	Cooling	kW	4.5
	Heating	kW	5.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50(60),1
	Rated Power	W	33.5
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	700/600/530
	Noise Level(Hi/Mid/Low)	dB(A)	45/41/35
Dimension (WxDxH)	Net(Body)	mm	570×630×260
	Packing(Body)	mm	650×710×290
	Net(Panel)	mm	650×650×55
	Packing(Panel)	mm	710×710×80
Weight	Net/Gross(Body)	kg	19/21
	Net/Gross(Panel)	kg	2.2/3.7
Refrigerant Type		R410a	
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)
	Drainage	mm(inch)	DN20(R3/4)

Built-In Water Drainage Pump

The built-in pump can lift condensing water up to 1200mm high from the drainage pan.

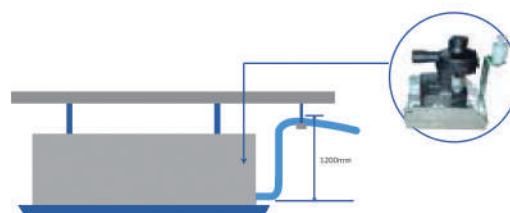
DRV Indoor Units

DC FAN MOTOR

FEATURES

■ optional ■ standard

Remote Control	Built-in Drain Pump	Auto Restart Function
Fresh Air Intake	Low Ambient Cooling	Fire-proof Electric Box
Hydrophilic Aluminum Fin	Washable Filter	Fast Cooling/Heating
Digital Tube Display	Wired Control	Central Control
Full Process By DC Drive	0.5W Standby	



Fresh Air Intake

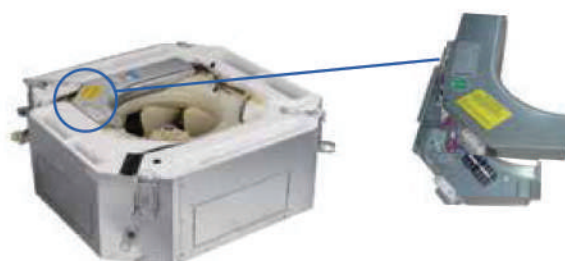
Fresh air makes indoor air healthy and comfortable.



Fresh air intake

Optimized Electric Box

Better fire-proof and easy to maintenance.



Compact four-way cassette 5.6kw

DCA-H056SX



SPECIFICATIONS

Model	Indoor	DCA-H056SX	
Capacity	Cooling	kW	5.6
	Heating	kW	6.3
Electric Data	Power Supply	V~,Hz,Ph	220~240,50(60),1
	Rated Power	W	33.5
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	700/600/530
	Noise Level(Hi/Mid/Low)	dB(A)	45/41/35
Dimension (WxDxH)	Net(Body)	mm	570×630×260
	Packing(Body)	mm	650×710×290
	Net(Panel)	mm	650×650×55
	Packing(Panel)	mm	710×710×80
Weight	Net/Gross(Body)	kg	19/21
	Net/Gross(Panel)	kg	2.2/3.7
Refrigerant Type		R410a	
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)
	Gas Side	mm(inch)	12.7(1/2)
	Drainage	mm(inch)	DN20(R3/4)

Built-In Water Drainage Pump

The built-in pump can lift condensing water up to 1200mm high from the drainage pan.

DRV Indoor Units

DC FAN MOTOR

FEATURES

■ optional ■ standard



Remote Control



Built-in Drain Pump



Auto Restart Function



Fresh Air Intake



Low Ambient Cooling



Fire-proof Electric Box



Hydrophilic Aluminum Fin



Washable Filter



Fast Cooling/Heating



Digital Tube Display



Wired Control



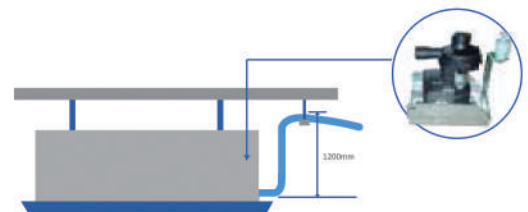
Central Control



Full Process By DC Drive



0.5W Standby



Fresh Air Intake

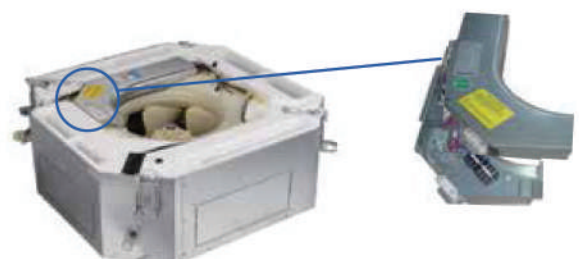
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Fresh air intake

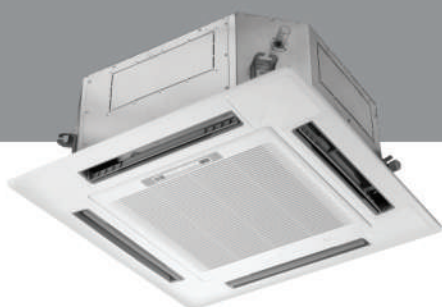
Optimized Electric Box

Better fire-proof and easy to maintenance.



Four-way cassette 7.1kw

DCA-H071SX



SPECIFICATIONS

Model	Indoor	DCA-H071SX	
Capacity	Cooling	kW	7.1
	Heating	kW	8.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1
	Rated Power	W	40
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	1250/1040/910
	Noise Level(Hi/Mid/Low)	dB(A)	38/34/30
Dimension (WxDxH)	Net(Body)	mm	835×835×250
	Packing(Body)	mm	910×910×310
	Net(Panel)	mm	950×950×55
	Packing(Panel)	mm	1000×1000×100
Weight	Net/Gross(Body)	kg	24/29
	Net/Gross(Panel)	kg	5.3/7.8
Refrigerant Type		R410a	
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)

Built-In Water Drainage Pump

The built-in pump can lift condensing water up to 1200mm high from the drainage pan.

DRV Indoor Units

DC FAN MOTOR

FEATURES

■ optional ■ standard



Remote Control



Built-in Drain Pump



Auto Restart Function



Fresh Air Intake



Low Ambient Cooling



Fire-proof Electric Box



Hydrophilic Aluminum Fin



Washable Filter



Fast Cooling/Heating



Digital Tube Display



Wired Control



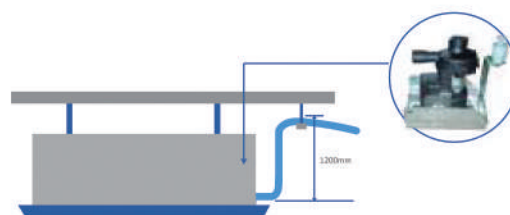
Central Control



Full Process By DC Drive



0.5W Standby



Fresh Air Intake

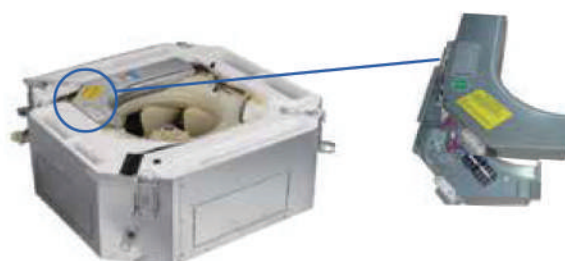
Fresh air makes indoor air healthy and comfortable.



Fresh air intake

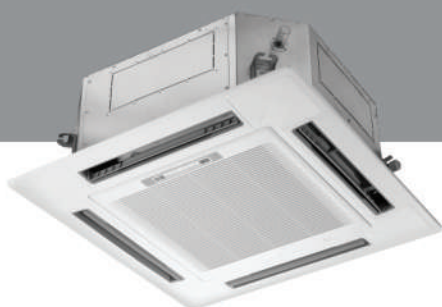
Optimized Electric Box

Better fire-proof and easy to maintenance.



Four-way cassette 8.0kw

DCA-H080SX



SPECIFICATIONS

Model	Indoor		DCA-H080SX
Capacity	Cooling	kW	8.0
	Heating	kW	10.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1
	Rated Power	W	40
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	1250/1040/910
	Noise Level(Hi/Mid/Low)	dB(A)	38/34/30
Dimension (WxDxH)	Net(Body)	mm	835×835×250
	Packing(Body)	mm	910×910×310
	Net(Panel)	mm	950×950×55
	Packing(Panel)	mm	1000×1000×100
Weight	Net/Gross(Body)	kg	24/29
	Net/Gross(Panel)	kg	5.3/7.8
Refrigerant Type			R410a
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)

Built-In Water Drainage Pump

The built-in pump can lift condensing water up to 1200mm high from the drainage pan.

DRV Indoor Units

DC FAN MOTOR

FEATURES

■ optional ■ standard



Remote Control



Built-in Drain Pump



Auto Restart Function



Fresh Air Intake



Low Ambient Cooling



Fire-proof Electric Box



Hydrophilic Aluminum Fin



Washable Filter



Fast Cooling/Heating



Digital Tube Display



Wired Control



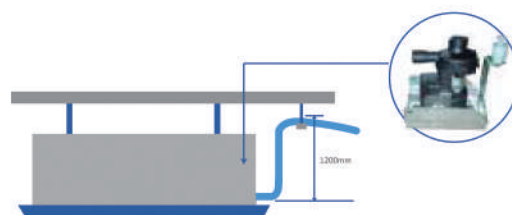
Central Control



Full Process By DC Drive



0.5W Standby



Fresh Air Intake

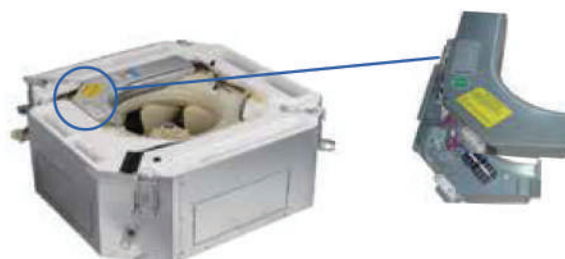
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Fresh air intake

Optimized Electric Box

Better fire-proof and easy to maintenance.



Four-way cassette 9.0kw

DCA-H090SX



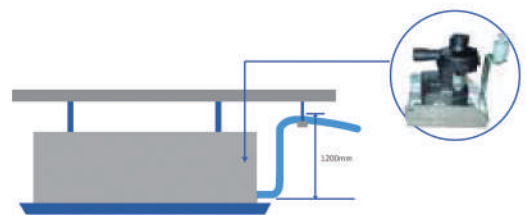
R410A
refrigerant

SPECIFICATIONS

Model	Indoor	DCA-H090SX	
Capacity	Cooling	kW	9.0
	Heating	kW	11.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1
	Rated Power	W	65
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	1500/1200/1050
	Noise Level(Hi/Mid/Low)	dB(A)	43/39/38
Dimension (WxDxH)	Net(Body)	mm	835×835×250
	Packing(Body)	mm	910×910×310
	Net(Panel)	mm	950×950×55
	Packing(Panel)	mm	1000×1000×100
Weight	Net/Gross(Body)	kg	25/30
	Net/Gross(Panel)	kg	5.3/7.8
Refrigerant Type		R410a	
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)

Built-In Water Drainage Pump

The built-in pump can lift condensing water up to 1200mm high from the drainage pan.



Fresh Air Intake

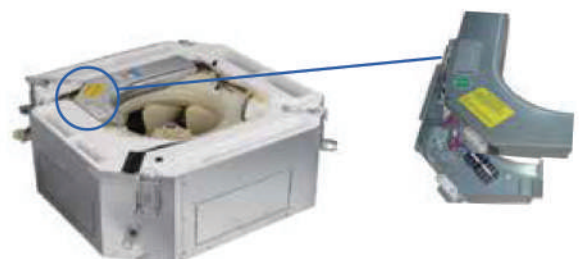
Fresh air makes indoor air healthy and comfortable.



Fresh air intake

Optimized Electric Box

Better fire-proof and easy to maintenance.



FEATURES

■ optional ■ standard



Remote Control



Built-in Drain Pump



Auto Restart Function



Fresh Air Intake



Low Ambient Cooling



Fire-proof Electric Box



Hydrophilic Aluminum Fin



Washable Filter



Fast Cooling/Heating



Digital Tube Display



Wired Control



Central Control



Full Process By DC Drive



0.5W Standby

Four-way cassette 10.0kw

DCA-H100SX



SPECIFICATIONS

Model	Indoor	DCA-H100SX	
Capacity	Cooling	kW	10.0
	Heating	kW	12.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1
	Rated Power	W	65
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	1500/1200/1050
	Noise Level(Hi/Mid/Low)	dB(A)	43/39/38
Dimension (WxDxH)	Net(Body)	mm	835×835×250
	Packing(Body)	mm	910×910×310
	Net(Panel)	mm	950×950×55
	Packing(Panel)	mm	1000×1000×100
Weight	Net/Gross(Body)	kg	25/30
	Net/Gross(Panel)	kg	5.3/7.8
Refrigerant Type		R410a	
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)

Built-In Water Drainage Pump

The built-in pump can lift condensing water up to 1200mm high from the drainage pan.

DRV Indoor Units

DC FAN MOTOR

FEATURES

■ optional ■ standard



Remote Control



Built-in Drain Pump



Auto Restart Function



Fresh Air Intake



Low Ambient Cooling



Fire-proof Electric Box



Hydrophilic Aluminum Fin



Washable Filter



Fast Cooling/Heating



Digital Tube Display



Wired Control



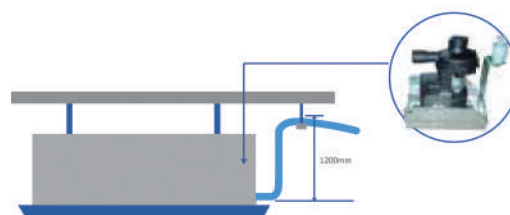
Central Control



Full Process By DC Drive



0.5W Standby



Fresh Air Intake

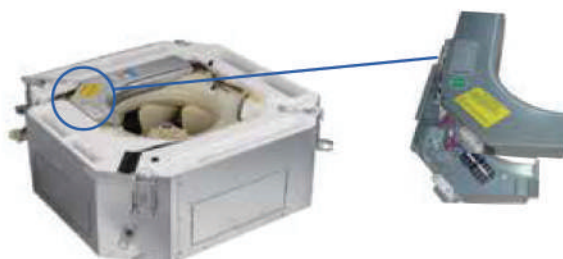
Fresh air makes indoor air healthy and comfortable.



Fresh air intake

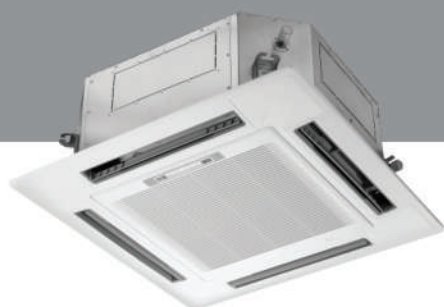
Optimized Electric Box

Better fire-proof and easy to maintenance.



Four-way cassette 11.2kw

DCA-H112SX



SPECIFICATIONS

Model	Indoor	DCA-H112SX	
Capacity	Cooling	kW	11.2
	Heating	kW	12.8
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1
	Rated Power	W	101
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	1800/1440/1260
	Noise Level(Hi/Mid/Low)	dB(A)	45/42/40
Dimension (WxDxH)	Net(Body)	mm	835×835×290
	Packing(Body)	mm	910×910×350
	Net(Panel)	mm	950×950×55
	Packing(Panel)	mm	1000×1000×100
Weight	Net/Gross(Body)	kg	26/31
	Net/Gross(Panel)	kg	5.3/7.8
Refrigerant Type		R410a	
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)

Built-In Water Drainage Pump

The built-in pump can lift condensing water up to 1200mm high from the drainage pan.

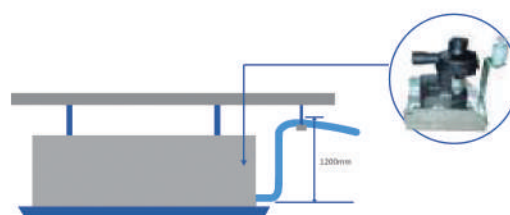
DRV Indoor Units

DC FAN MOTOR

FEATURES

■ optional ■ standard

Remote Control	Built-in Drain Pump	Auto Restart Function
Fresh Air Intake	Low Ambient Cooling	Fire-proof Electric Box
Hydrophilic Aluminum Fin	Washable Filter	Fast Cooling/Heating
Digital Tube Display	Wired Control	Central Control
Full Process By DC Drive	0.5W Standby	



Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.



Fresh air intake

Optimized Electric Box

Better fire-proof and easy to maintenance.



Four-way cassette 12.5kw

DCA-H125SX



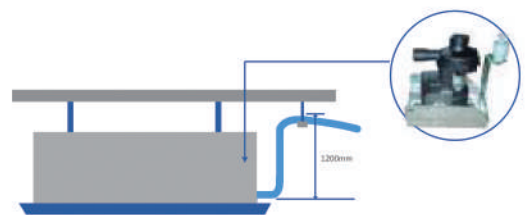
R410A
refrigerant

SPECIFICATIONS

Model	Indoor	DCA-H125SX	
Capacity	Cooling	kW	12.5
	Heating	kW	13.3
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1
	Rated Power	W	101
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	1800/1440/1260
	Noise Level(Hi/Mid/Low)	dB(A)	45/42/40
Dimension (WxDxH)	Net(Body)	mm	835×835×290
	Packing(Body)	mm	910×910×350
	Net(Panel)	mm	950×950×55
	Packing(Panel)	mm	1000×1000×100
Weight	Net/Gross(Body)	kg	26/31
	Net/Gross(Panel)	kg	5.3/7.8
Refrigerant Type		R410a	
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)

Built-In Water Drainage Pump

The built-in pump can lift condensing water up to 1200mm high from the drainage pan.



Fresh Air Intake

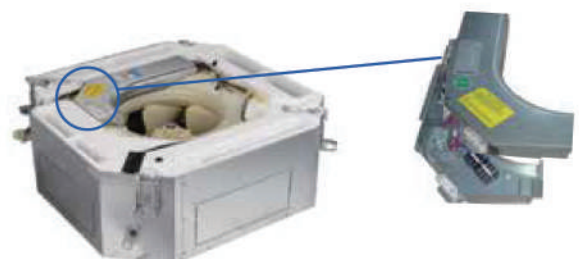
Fresh air makes indoor air healthy and comfortable.



Fresh air intake

Optimized Electric Box

Better fire-proof and easy to maintenance.



FEATURES

■ optional ■ standard



Remote Control



Built-in Drain Pump



Auto Restart Function



Fresh Air Intake



Low Ambient Cooling



Fire-proof Electric Box



Hydrophilic Aluminum Fin



Washable Filter



Fast Cooling/Heating



Digital Tube Display



Wired Control



Central Control



Full Process By DC Drive



0.5W Standby

Four-way cassette 14.0kw

DCA-H140SX



R410A
refrigerant

DRV Indoor Units

DC FAN MOTOR

SPECIFICATIONS

Model	Indoor	DCA-H140SX	
Capacity	Cooling	kW	14.0
	Heating	kW	15.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1
	Rated Power	W	101
Performance	Air Flow Volume(Hi/Mid/Low)	m ³ /h	1800/1440/1260
	Noise Level(Hi/Mid/Low)	dB(A)	45/42/40
Dimension (WxDxH)	Net(Body)	mm	835×835×290
	Packing(Body)	mm	910×910×350
	Net(Panel)	mm	950×950×55
	Packing(Panel)	mm	1000×1000×100
Weight	Net/Gross(Body)	kg	26/31
	Net/Gross(Panel)	kg	5.3/7.8
Refrigerant Type		R410a	
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)
	Gas Side	mm(inch)	15.88(5/8)
	Drainage	mm(inch)	DN20(R3/4)

FEATURES

■ optional ■ standard



Remote Control



Built-in Drain Pump



Auto Restart Function



Fresh Air Intake



Low Ambient Cooling



Fire-proof Electric Box



Hydrophilic Aluminum Fin



Washable Filter



Fast Cooling/Heating



Digital Tube Display



Wired Control



Central Control



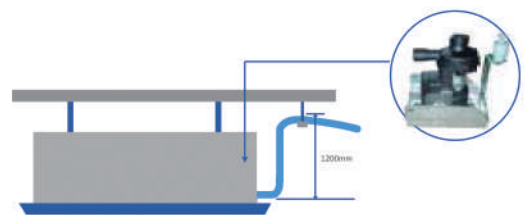
Full Process By DC Drive



0.5W Standby

Built-In Water Drainage Pump

The built-in pump can lift condensing water up to 1200mm high from the drainage pan.



Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.



Fresh air intake

Optimized Electric Box

Better fire-proof and easy to maintenance.





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