



Ningbo Dekon Refrigeration Equipment Co., Ltd



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► **Commercial Air Conditioner** Vesion:2015/10

Specifications subject to change without notice.

DRV Air Conditioner

2016

Ningbo Dekon Refrigeration Equipment Co., Ltd, a large-scale industry and trade integrated company , is one of the leading manufacture and supplier for air conditioner products and ventilation systems in China. Products focus on air cooled or water cooled chiller; air handling units; water fan coil units; VRF air conditioner; light commercial air conditioner and special function industrial air conditioner.

Designing and manufacturing a wide range of A/C and ventilation products, we can supply models for use in residential apartments, houses, commercial buildings, hotels, shopping malls and public venues. Marketing all series under our proprietary brand "DEKON" , we can also complete ODM and OEM orders as per customers' requirements.

DEKON strives for better air in your home, hotel, shopping Center and office buildings. And our aim is to supply our air conditioner product to each corner of the world !



DRV Mini Cool Outdoor Units

Capacity(kW)			8	10	12	14	16
Mi-Cool	50Hz		●	●	●	●	●
	60Hz		●	●	●	●	●

DRV Modular Outdoor Units

Capacity(kW)			25.2	28.0	33.5	40.0	45.0	50.4	56.0
Plus-Cool	50Hz		●	●	●	●	●	●	●
	60Hz		●	●	●	●	●	●	

DRV Indoor Units

Capacity(kW)			2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	10.0	11.2	12.5	14.0	15.0
Four-way Cassette			●	●	●	●	●	●	●	●	●	●	●	●	
Ceiling&Floor			●	●	●	●	●	●	●	●	●	●	●	●	
			●	●	●	●	●	●							
Slim Duct			●	●	●	●	●	●							
Low ESP Duct			●	●	●	●	●	●							
Mid ESP Duct						●	●	●	●	●	●	●	●	●	●
High ESP Duct												●	●	●	●
Wall-mounted			●	●	●	●	●	●							

Capacity(kW)			22.0	28.0	45.0	56.0
High ESP Duct			●	●	●	●
Fresh Air Processor			●	●	●	●

R410a



1. DC Inverter Compressor

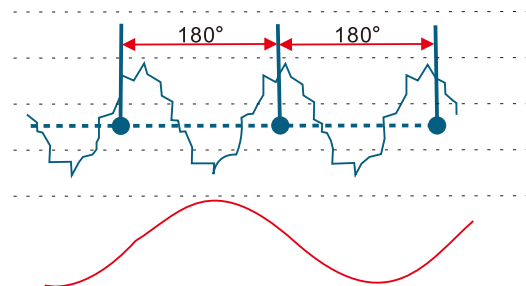
Made of rare earth permanent magnetic material, the rotor could change the motor's round speed by changing the DC voltage motor, thus overcome the electromagnetic noise and rotor loss of AC inverter compressor, then achieves high efficiency as well as low noise.

2. Environment Friendly

Using R410A as the refrigerant, protect our planet, with zero ODP.

2. 180°Sine Wave Control

180 degree sine wave DC inverter technology, DC inverter output smooth sine wave, of compressor speed and system output capability of precise control, according to the actual load linear output, improve the operation efficiency of the motor. ensure the high efficiency under low load of power.



4. Long Piping Technology

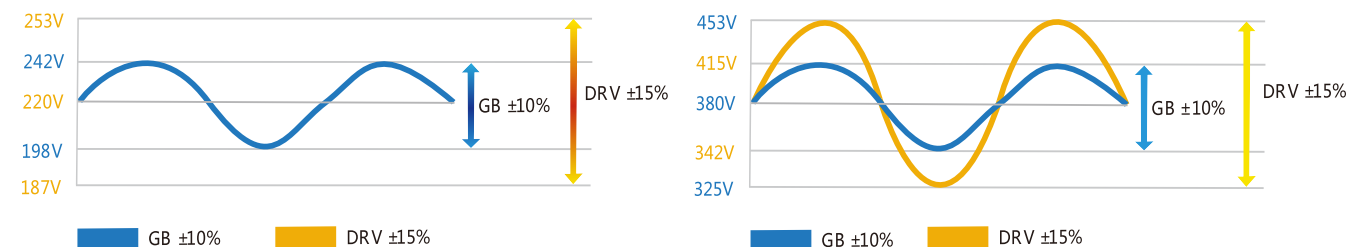
The maximum single piping length of 3 HP unit is up to 25 meters, and the height can reach 15 meters;
The 5HP and 6HP units single piping length can be 50 meters, and the height can be up to 30 meters

5. Wide Operation temperature Range

The unit could operate perfectly between 52°C in hot summer and -15°C in cold winter

6. Wide Voltage Design

In country with unstable voltage, DRV can also run stable.

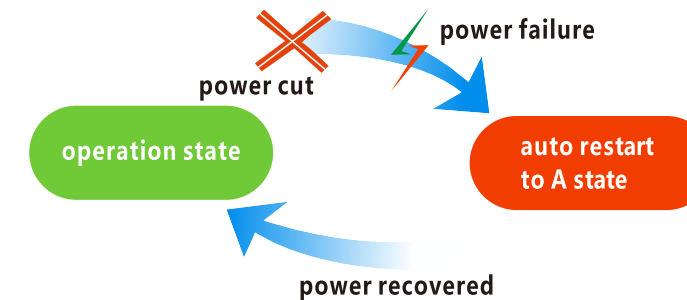


7. DC Brushless Fan Motor

DC brushless motor adjusts the fan speed according to the system pressure, enhance the efficiency by 45%.
The super aero fan provides a large air volume and high static pressure, and at the same time produces a lower noise level.

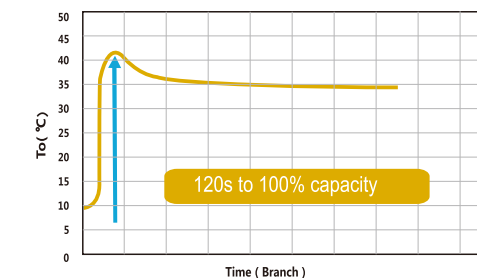
8. Auto Restart Function

The AC can automatically memorize the operation setting when power is cut off accidentally. It can return to previous setting when power resumes. Recover the former operation state when power is restored, no need restart the unit manually.



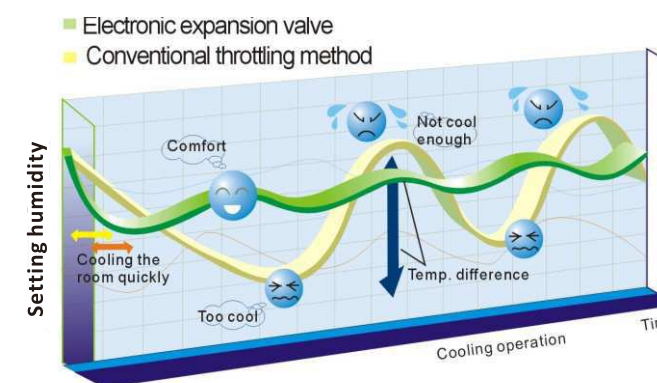
9. Fast Cooling/Heating Technology

Calculate capacity after starting, then compressor run with frequency rising quickly so that get cool/warm fast. Start unit in soft start way, reduce the impact to power grid, using frequency conversion compressor overload operation characteristics at the same time, will set the ability to adjust rapidly to the load demand point, instant refrigeration/heat effect, bring great user experience.



10. Accurate Temperature Control

According to change trend of indoor ambient temperature, the unit can use PI algorithm to calculate capacity demand percentage of indoor unit, control operating frequency of compressor in real time and realize accurate control of room temperature.



11. Flexible And Diversified Matching Of Indoor And Outdoor Unit

Dekon offers a variety indoor unit, more than 100 models of 7 types. Capacity ranges are from 2.2Kw to 14Kw. It is full compliance with residential and light commercial place. Our systems can operate up to 130% of capacity which allows any system to be designed to the customers and applications needs.

DRV Mini Cool Outdoor Units



Specification 220~240,50,1

Model	Outdoor		DRV-H80S	DRV-H100S	DRV-H120S	DRV-H140S	DRV-H160S
Capacity	Cooling	kW	8.0	10.0	12.0	14.0	16.0
	Heating	kW	9.0	11.0	13.2	15.4	17.0
	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
Electric Data	Cooling Power Input	kW	2.5	3.2	3.8	4.4	5.0
	Heating Power Input	kW	2.6	3.2	3.8	4.5	5.0
	Cooling Current	A	11.5	14.7	17.0	20.0	22.5
Performance	Heating Current	A	12.0	14.6	17.5	20.6	22.8
	Air Flow Volume	m³/h	4000	4000	5000	5000	6000
	Noise Level	dB(A)	≤60	≤60	≤60	≤60	≤63
Piping Limite	Vertical Pipe Length	m	≤15	≤15	≤30	≤30	≤30
	Actual Pipe Length	m	20	20	45	45	45
	Equivalent Pipe Length	m	25	25	50	50	50
	Total Pipe length	m	50	50	100	100	100
Max. No. of Indoor Units		unit	4	4	6	6	6
Connection Ratio		%	50~130	50~130	50~130	50~130	50~130
Dimension(WxDxH)	Net	mm	900x320x790	900x320x790	940x368x1366	940x368x1366	940x368x1366
	Packing	mm	1030x430x850	1030x430x850	1080x460x1500	1080x460x1500	1080x460x1500
Weight	Net	kg	65	67	100	100	102
	Gross	kg	70	72	113	113	115
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)	19.05(3/4)	19.05(3/4)	19.05(3/4)
Operation Range	Cooling	℃	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	℃	-15℃~24℃	-15℃~24℃	-15℃~24℃	-15℃~24℃	-15℃~24℃
Stuffing Quantity	20/40/40H	unit	56/112/168	56/112/168	27/54/54	27/54/54	27/54/54

Specification 380~415,50,3

Model	Outdoor		DRV-H80W	DRV-H100W	DRV-H120W	DRV-H140W	DRV-H160W
Capacity	Cooling	kW	8.0	10.0	12.0	14.0	16.0
	Heating	kW	9.0	11.0	13.2	15.4	17.0
	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3
Electric Data	Cooling Power Input	kW	3.0	3.2	3.7	3.8	4.0
	Heating Power Input	kW	3.0	3.3	3.8	3.9	4.2
	Cooling Current	A	6.8	7.0	7.2	7.8	8.2
Performance	Heating Current	A	6.9	7.2	7.5	8.0	8.5
	Air Flow Volume	m³/h	4000	4000	5000	5000	6000
	Noise Level	dB(A)	≤60	≤60	≤60	≤60	≤63
Piping Limite	Vertical Pipe Length	m	≤15	≤15	≤30	≤30	≤30
	Actual Pipe Length	m	20	20	45	45	45
	Equivalent Pipe Length	m	25	25	50	50	50
	Total Pipe length	m	50	50	100	100	100
Max. No. of Indoor Units		unit	4	4	6	6	6
Connection Ratio		%	50~130	50~130	50~130	50~130	50~130
Dimension(WxDxH)	Net	mm	903x354x857	903x354x857	945x340x1255	945x340x1255	945x340x1255
	Packing	mm	1030x410x980	1030x410x980	1090x430x1370	1090x430x1370	1090x430x1370
Weight	Net	kg	86	88	95	95	100
	Gross	kg	92	94	108	108	113
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)	19.05(3/4)	19.05(3/4)	19.05(3/4)
Operation Range	Cooling	℃	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	℃	-15℃~24℃	-15℃~24℃	-15℃~24℃	-15℃~24℃	-15℃~24℃
Stuffing Quantity	20/40/40H	unit	60/124/124	60/124/124	26/54/54	26/54/54	26/54/54

- Notes :
- 1.Cooling Capacity: Indoor temperature 27℃DB/19℃WB;Outdoor temperature:35℃DB/24℃WB.
 - 2.Heating Capacity:Indoor temperature 20℃DB;Outdoor temperature:7℃DB/6℃WB.
 - 3.Piping Length:Equivalent piping length:7.5m,level differernce:0m.
 - 4.Anechoic chamber conversion value,measured in test room.During actual operation.These values are normally somewhat higher as a result of ambient conditons.
 - 5.The above designs and specifications are subject to change of product improvement without prior notice.

DRV Mini Cool Outdoor Units



Specification 208~230,60,1

Model	Outdoor		DRV-H80N	DRV-H100N	DRV-H120N	DRV-H140N	DRV-H160N
Capacity	Cooling	kW	8.0	10.0	12.0	14.0	16.0
	Heating	kW	9.0	11.0	13.2	15.4	17.0
	Power Supply	V~,Hz,Ph	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1
Electric Data	Cooling Power Input	kW	2.5	3.2	3.8	4.4	5.0
	Heating Power Input	kW	2.6	3.2	3.8	4.5	5.0
	Cooling Current	A	11.5	14.7	17.0	20.0	22.5
Performance	Heating Current	A	12.0	14.6	17.5	20.6	22.8
	Air Flow Volume	m³/h	4000	4000	5000	5000	6000
	Noise Level	dB(A)	≤60	≤60	≤60	≤60	≤63
Piping Limite	Vertical Pipe Length	m	≤15	≤15	≤30	≤30	≤30
	Actual Pipe Length	m	20	20	45	45	45
	Equivalent Pipe Length	m	25	25	50	50	50
	Total Pipe length	m	50	50	100	100	100
Max. No. of Indoor Units		unit	4	4	6	6	6
Connection Ratio		%	50~130	50~130	50~130	50~130	50~130
Dimension(WxDxH)	Net	mm	900x320x790	900x320x790	940x368x1366	940x368x1366	940x368x1366
	Packing	mm	1030x430x850	1030x430x850	1080x460x1500	1080x460x1500	1080x460x1500
Weight	Net	kg	65	67	100	100	102
	Gross	kg	70	72	113	113	115
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)	19.05(3/4)	19.05(3/4)	19.05(3/4)
Operation Range	Cooling	℃	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃	-10℃~52℃
	Heating	℃	-15℃~24℃	-15℃~24℃	-15℃~24℃	-15℃~24℃	-15℃~24℃
Stuffing Quantity	20/40/40H	unit	56/112/168	56/112/168	27/54/54	27/54/54	27/54/54

- Notes :
- 1.Cooling Capacity: Indoor temperature 27℃DB/19℃WB;Outdoor temperature:35℃DB/24℃WB.
 - 2.Heating Capacity:Indoor temperature 20℃DB;Outdoor temperature:7℃DB/6℃WB.
 - 3.Piping Length:Equivalent piping length:7.5m,level differernce:0m.
 - 4.Anechoic chamber conversion value,measured in test room.During actual operation.These values are normally somewhat higher as a result of ambient conditons.
 - 5.The above designs and specifications are subject to change of product improvement without prior notice.



DRV Mini Cool

DRV Mini Cool

DRV Plus Cool Outdoor Units

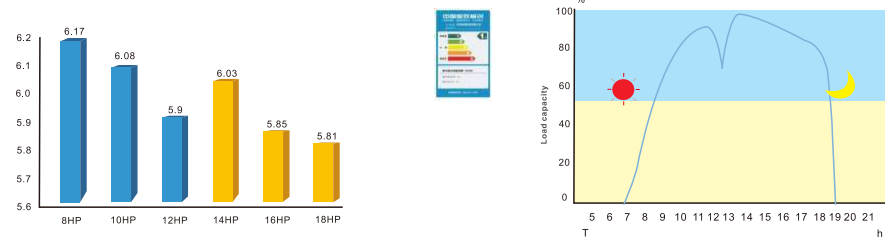
R410a



Energy Saving Technology

1. The Industry's Leading IPLV Value

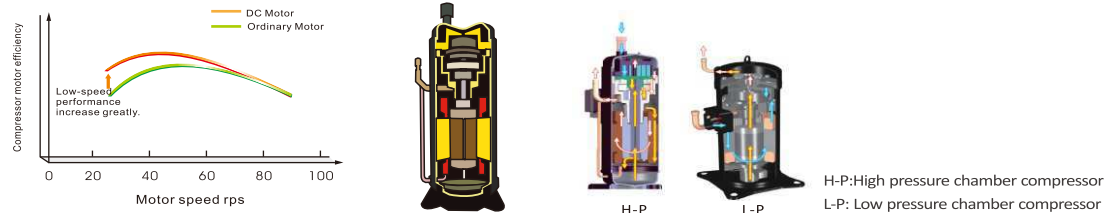
DRV plus cool achieves the industry's top class energy efficiency of cooling and heating by utilizing the advanced 180 °sine wave DC Inverter driving technology, dual compressors parallel technology, patented energy-saving operation technology and improved performance of heat exchanger.



Because the outdoor ambient temperature and indoor load is different at different times of day, most of time, the system works under part load. So it is better to assess the energy saving performance using IPLV.
 $IPLV(C) = 0.05EER(100\%) + 0.3EER(75\%) + 0.4EER(50\%) + 0.25EER(25\%)$.

2. New Generation Of High-pressure Chamber DC Inverter Compressor

High performance, low sound DC compressor operates at a faster frequency, reducing start-up time. This helps the unit to bring the room temperature to the set value quickly.



The high pressure chamber compressor can make the oil circulating with intrinsic pressure difference, and ensure sufficient oil supply when running at low frequency. The suction gas of low pressure chamber compressor will be heated when going through the scroll. However, the suction gas of the high pressure chamber compressor directly back to the scroll, which makes the superheat of refrigerant gas smaller and a high volume efficiency.

The motor of the low pressure chamber compressor is cooled by the suction refrigerant, which causes poor lubrication because of the instability of the oil temperature under the low ambient temperature operation. However, the motor of the high pressure chamber compressor is cooled by the discharge gas, and the unit can get a better heating performance.

The whole high pressure chamber of the high pressure chamber compressor can work as a composite muffler, so it can reduce the discharge noise.

3. Sub-cooling technology

Prevent heat exchange between outlet and inlet 17.6°C sub-cooling. Enhance degree of sub cooling. Enhance cooling capacity. Reduce the pressure resistance. Ensure longer pipe length.



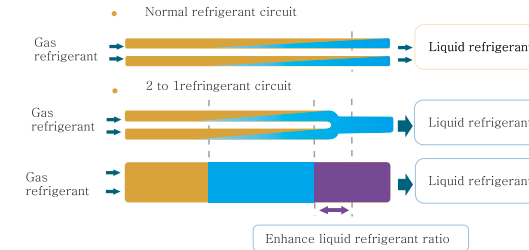
4. DC Brushless Fan Motor

DC brushless motor adjusts the fan speed according to the system pressure, enhance the efficiency by 45%. The super aero fan provides a larger air volume and higher static pressure, and at the same time produces a lower noise level.

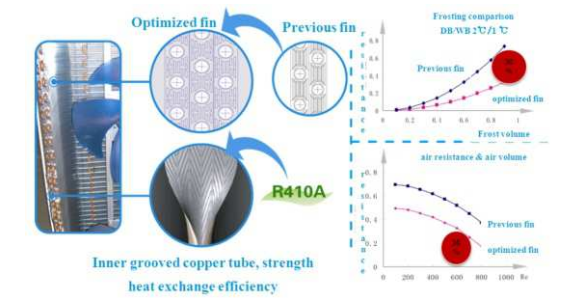


5. High Efficient Heat Exchanger

Optimized 2 to 1 refrigerant circuit design, increase the heat exchanging efficiency and enhance the ratio of liquid which flow to the evaporator.



Optimized fin design, reduces the water resistance and wind resistance

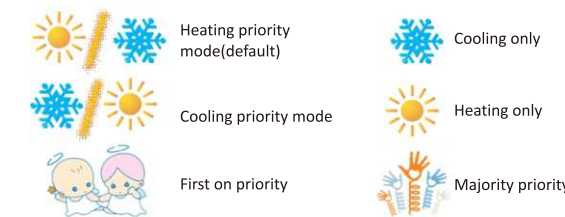


Convenience & Comfortable

1. Different Operation Modes

Add more operation mode for various applications. Through outdoor PCB switch easy change system operation mode.

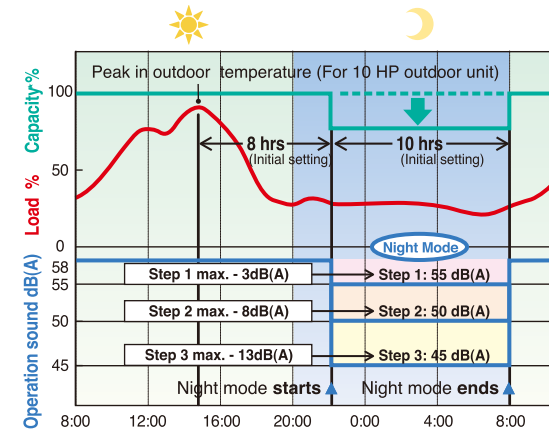
- ★ Heating priority : System will work in heating mode only. Other mode demand will no response
- ★ Cooling priority: System will work in cooling mode only. Other mode demand will no response
- ★ First on priority: The first start indoor unit operation mode will decide system operation, others different demand will no response.
- ★ Majority priority: System operation mode is decided by majority demand.



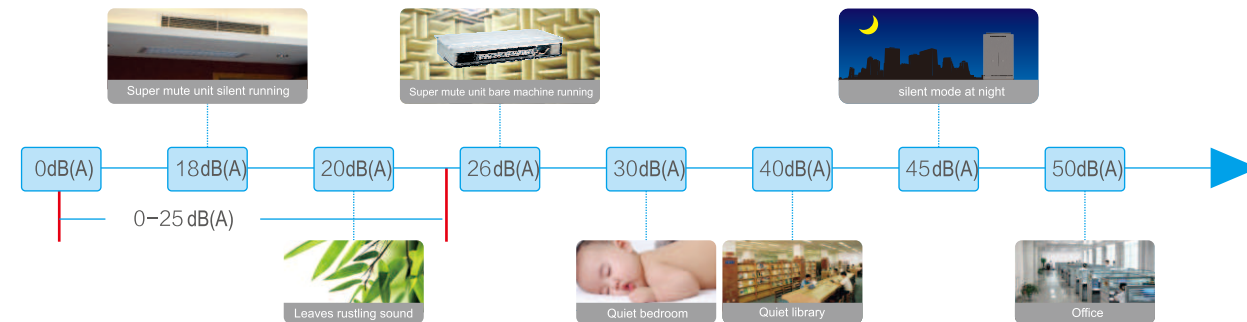
2. Silence Operation

Outdoor unit quiet mode

By using optimized fan blades and the CFD(computational Fluid Dynamics) technology, the product is equipped with the night low-noise operation function. Provide more quiet operation during the night. Minimum operation noise only 45 dB(A).



Night silent operation (Compare with normal operation, silent operation noise reduce 12dB(A).



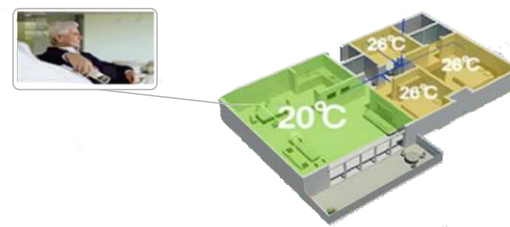
3. Humanization Design

Special design economic locking function, through outdoor PCB switch setting. If work in economic lock, AC lowest work cooling temperature will keep in 26°C and highest heating temperature keep 20°C. Save energy and keep provide comfortable.



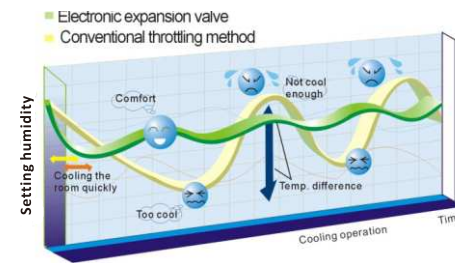
4. VIP design

Special VIP control function, the VIP room will decide the whole system operation mode, prior to other mode or economic locking function, ensure the priority of the important room.



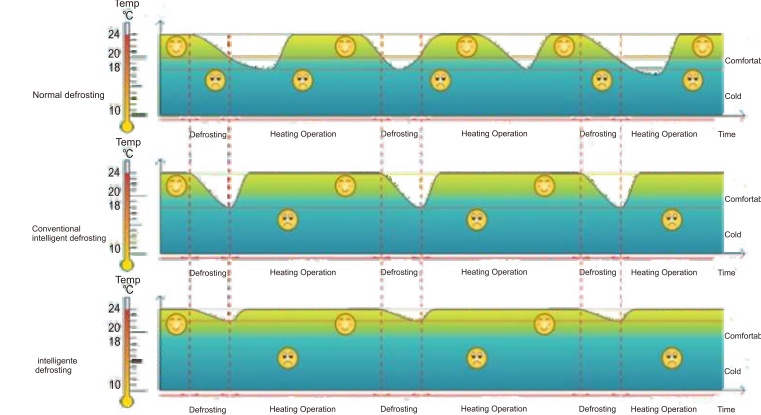
5. Precise temperature control

The unit uses PI calculation principle to calculate the percentage of indoor capacity demand according to indoor temperature fluctuations, to perform real-time control to the compressor operating frequency and achieve precision control to the indoor temperature.



6. Intelligent defrosting

Dekon intelligent defrosting technique extends the heating operation and decrease the frequency of defrosting. Result in stable room temperature, offer comfort life.



Easy Installation & Maintenance

1. Wide Operation Range

The unit could operate perfectly between 52°C in hot summer and -15°C in cold winter making you feel like spring all year around, advanced system design and strict system matching and test. (cooling in -15°C)



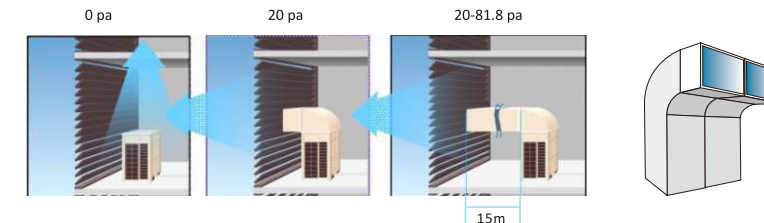
2. Convenient Piping Design

Corresponding selection software can easily select the outdoor and indoor units, and automatically calculate the piping size and the branch model. It can output the select report with material .



3. Changeable ESP

Optimized fan provide outdoor unit up to 82Pa static pressure. Outdoor units can be installed in the service floor or facility room.



4. Non-polar Communication

No polar in communication wire ,easy installation and commissioning.

● 5. Auto Addressing

The outdoor units distribute indoor system address automatically. No need manually setting. More convenient and saving the installation time.

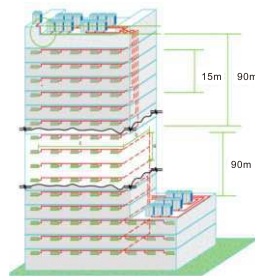
● 6. Convenient Piping Design

Corresponding selection software can easily select the outdoor and indoor units, and automatically calculate the piping size and the branch model. It can output the select report with material .



● 7. Extend pipe length and height

Because of using DC inverter control technology and sub-cooling control circuit technology, it is possible to design a system with longer piping length and world-class elevation difference. The designer's working time is reduced and allowing more efficient design.



Max. Total piping length — 1000m
Max. Actual piping length —175m
Max. Level difference between indoor units — 15m
Max. Level difference between ODU and IDU units —90m
Max. Level difference in the same system between ODU and ODU units —5m
Max. piping length from 1st indoor Branch to the farthest indoor unit —40m

Reliable & Stable

● 1. Module Alternate Operation

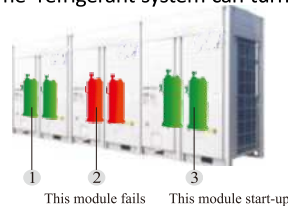
In one combination system ,any module could run as the master unit according to the running time.



Balance the life of the outdoor units in one system.

● 2. Back-up running

As one of outdoor units breaks down , the rest of outdoor units in the same refrigerant system can turn to operation urgently.



Normal start-up sequence:1--2.
Emergency back-up start-up sequence:1--3.

● 3. Black box function

The PCB could record 30 minutes running information before the error occur .It's convenient for the trouble shooting.



● More Combination

8/10/12HP

14/16/18HP

20/22/24/26/28/30/32HP

34/36/38/40/42/44/46/48HP



50/52/54/56/58/60/62/64/66/68/70/72HP



● Flexible Outdoor Unit Combination

kW	HP	8HP	10HP	12HP	14HP	16HP	18HP
25.2	8	★					
28.0	10		★				
33.5	12			★			
40.0	14				★		
45.0	16					★	
50.4	18						★
56.0	20		★ ★				
61.5	22		★	★			
68.0	24		★		★		
73.5	26			★	★		
78.5	28			★		★	
85.0	30				★	★	
90.0	32					★ ★	
96.0	34		★ ★		★		
101.0	36		★ ★			★	
108.0	38		★		★ ★		
113.0	40		★		★	★	
120.0	42				★ ★ ★		
125.0	44				★ ★		
130.0	46				★	★ ★	
135.0	48					★ ★ ★	
141.0	50		★ ★		★	★	
146.0	52		★ ★			★ ★	
151.5	54		★	★		★ ★	
158.0	56		★		★	★ ★	
163.5	58			★	★	★ ★	
170.0	60				★ ★	★ ★	
175.0	62				★	★ ★ ★	
180.0	64					★ ★ ★ ★	
185.4	66					★ ★ ★	★
190.8	68					★ ★	★ ★
196.2	70					★	★ ★ ★
201.6	72						★ ★ ★ ★

DRV Plus Cool Outdoor Units



Specification 380~415,50,3



Model	Outdoor		DRV-H250W	DRV-H280W	DRV-H330W	DRV-H400W	DRV-H450W	DRV-H500W
Capacity	Cooling	kW	25.2	28.0	33.5	40.0	45.0	50.4
	Heating	kW	28.0	31.5	37.5	45.0	50.0	55.5
Electric Data	Power Supply	V~,Hz,Ph	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3	380~415,50,3
	Cooling Power Input	kW	5.8	7.1	8.9	11.3	12.9	14.3
	Heating Power Input	kW	6.1	7.6	9.1	11.2	12.8	15.0
	Cooling Current	A	8.8	10.8	13.5	18.7	21.1	23.3
	Heating Current	A	9.3	11.5	13.8	16.9	19.5	22.8
Performance	Air Flow Volume	m³/h	12000	12000	12000	7250×2	7500×2	7500×2
	Noise Level	dB(A)	45-58	45-58	45-58	47-61	47-61	47-61
Piping Limite	Vertical Pipe Length	m	90	90	90	90	90	90
	Actual Pipe Length	m	165	165	165	165	165	165
	Equivalent Pipe Length	m	190	190	190	190	190	190
	Total Pipe length	m	1000	1000	1000	1000	1000	1000
Max. No. of Indoor Units		unit	13	16	19	23	26	30
Connection Ratio		%	50~130	50~130	50~130	50~130	50~130	50~130
Dimension(WxDxH)	Net	mm	930x765x1680	930x765x1680	930x765x1680	1340x765x1680	1340x765x1680	1340x765x1680
	Packing	mm	980×810×1850	980×810×1850	980×810×1850	1400×810×1850	1400×810×1850	1400×810×1850
Weight	Net	kg	223	223	248	303	303	318
	Gross	kg	243	243	268	325	325	340
Refrigerant Type			R410a	R410a	R410a	R410a	R410a	R410a
Pipe Diameter	Liquid Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)	12.7(1/2)	12.7(1/2)	12.7(1/2)
	Gas Side	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)	28.6(9/8)	28.6(9/8)	28.6(9/8)
Operation Range	Cooling	℃	-15℃~-52℃	-15℃~-52℃	-15℃~-52℃	-15℃~-52℃	-15℃~-52℃	-15℃~-52℃
	Heating	℃	-20℃~24℃	-20℃~24℃	-20℃~24℃	-20℃~24℃	-20℃~24℃	-20℃~24℃
Stuffing Quantity	20/40/40H	unit	14/28/28	14/28/28	14/28/28	11/22/22	11/22/22	11/22/22

- Notes :
- 1.Cooling Capacity: Indoor temperature 27℃DB/19℃WB;Outdoor temperature:35℃DB/24℃WB.
 - 2.Heating Capacity:Indoor temperature 20℃DB;Outdoor temperature:7℃DB/6℃WB.
 - 3.Piping Length:Equivalent piping length:7.5m,level differernce:0m.
 - 4.Anechoic chamber conversion value,measured in test room.During actual operation.These values are normally somewhat higher as a result of ambient conditons.
 - 5.The above designs and specifications are subject to change of product improvement without prior notice.

DRV Plus Cool Outdoor Units



Specification 380~415,60,3



Model	Outdoor		DRV-H250U	DRV-H280U	DRV-H330U	DRV-H400U	DRV-H450U	DRV-H500U
Capacity	Cooling	kW	25.2	28.0	33.5	40.0	45.0	50.4
	Heating	kW	28.0	31.5	37.5	45.0	50.0	55.5
Electric Data	Power Supply	V~,Hz,Ph	380~415,60,3	380~415,60,3	380~415,60,3	380~415,60,3	380~415,60,3	380~415,60,3
	Cooling Power Input	kW	5.8	7.1	8.9	11.3	12.9	14.3
	Heating Power Input	kW	6.1	7.6	9.1	11.2	12.8	15.0
	Cooling Current	A	8.8	10.8	13.5	18.7	21.1	23.3
	Heating Current	A	9.3	11.5	13.8	16.9	19.5	22.8
Performance	Air Flow Volume	m³/h	12000	12000	12000	7250×2	7500×2	7500×2
	Noise Level	dB(A)	45-58	45-58	45-58	47-61	47-61	47-61
Piping Limite	Vertical Pipe Length	m	90	90	90	90	90	90
	Actual Pipe Length	m	165	165	165	165	165	165
	Equivalent Pipe Length	m	190	190	190	190	190	190
	Total Pipe length	m	1000	1000	1000	1000	1000	1000
Max. No. of Indoor Units		unit	13	16	19	23	26	30
Connection Ratio		%	50~130	50~130	50~130	50~130	50~130	50~130
Dimension(WxDxH)	Net	mm	930x765x1680	930x765x1680	930x765x1680	1340x765x1680	1340x765x1680	1340x765x1680
	Packing	mm	980×810×1850	980×810×1850	980×810×1850	1400×810×1850	1400×810×1850	1400×810×1850
Weight	Net	kg	223	223	248	303	303	318
	Gross	kg	243	243	268	325	325	340
Refrigerant Type			R410a	R410a	R410a	R410a	R410a	R410a
Pipe Diameter	Liquid Side	mm(inch)	12.7(1/2)	12.7(1/2)	12.7(1/2)	12.7(1/2)	12.7(1/2)	12.7(1/2)
	Gas Side	mm(inch)	22.2(7/8)	22.2(7/8)	22.2(7/8)	28.6(9/8)	28.6(9/8)	28.6(9/8)
Operation Range	Cooling	℃	-15~52	-15~52	-15~52	-15~52	-15℃~-52℃	-15~52
	Heating	℃	-20~24	-20~24	-20~24	-20~24	-20℃~24℃	-20~24
Stuffing Quantity	20/40/40H	unit	14/28/28	14/28/28	14/28/28	11/22/22	11/22/22	11/22/22

- Notes :
- 1.Cooling Capacity: Indoor temperature 27℃DB/19℃WB;Outdoor temperature:35℃DB/24℃WB.
 - 2.Heating Capacity:Indoor temperature 20℃DB;Outdoor temperature:7℃DB/6℃WB.
 - 3.Piping Length:Equivalent piping length:7.5m,level differernce:0m.
 - 4.Anechoic chamber conversion value,measured in test room.During actual operation.These values are normally somewhat higher as a result of ambient conditons.
 - 5.The above designs and specifications are subject to change of product improvement without prior notice.

Cassette Indoor unit

Indoor Units - CA

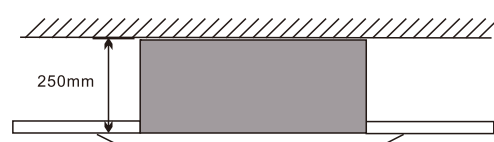


Standard

Optional

1. Ultra Slim Design

Only 250mm in height, save installation space.



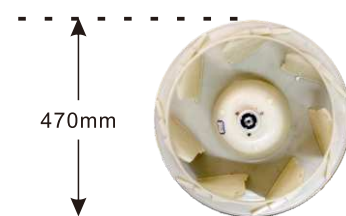
2. 5-segment Heat Exchanger

Innovative exchanger design enlarges the heat exchanging area and increase the heat exchanging efficiency by 10% to 15%.



3. Quiet Operation

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



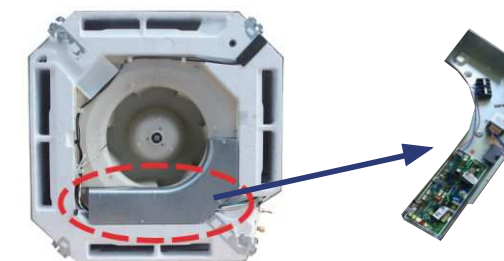
4. Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.



5. Optimized Electric Box

Better fire-proof and easy to maintenance.



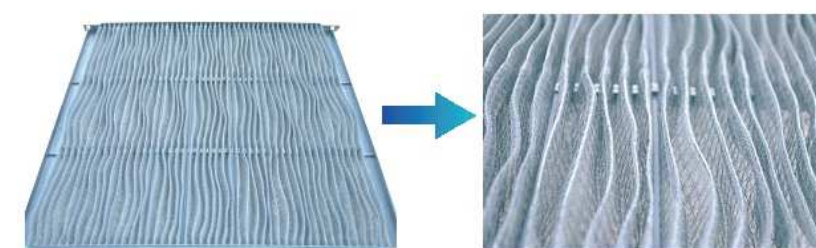
6. Digital Tube Display

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



7. Long Term Filter

The long-term air filter ensures better air quality and decreases the cleaning frequency.



8. Built-in Water Drainage Pump

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



Four-way Cassette Indoor Units



Specification 220~240,50,1



Model	Indoor		DCA-H28S	DCA-H36S	DCA-H45S	DCA-H56S	DCA-H71S	DCA-H80S
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1	8.0
	Heating	kW	3.0	4.3	5.0	6.3	8.0	10.0
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
	Rated Power	W	70	70	80	80	100	100
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	620/496/434	620/496/434	850/680/595	850/680/595	1250/1040/910	1250/1040/910
	Noise Level(Hi/Mid/Low)	dB(A)	38/35/32	38/35/32	39/36/33	39/36/33	38/34/30	38/34/30
Dimension(WxDxH)	Net(Body)	mm	615x615x263	615x615x263	615x615x263	615x615x263	835x835x250	835x835x250
	Packing(Body)	mm	700x700x330	700x700x330	700x700x330	700x700x330	910x910x310	910x910x310
	Net(Panel)	mm	650x650x55	650x650x55	650x650x55	650x650x55	950x950x55	950x950x55
	Packing(Panel)	mm	710x710x80	710x710x80	710x710x80	710x710x80	1000x1000x100	1000x1000x100
Weight	Net(Body)	kg	20	20	20	20	27	27
	Gross(Body)	kg	25	25	25	25	34	34
	Net(Panel)	kg	3	3	3	3	5	5
	Gross(Panel)	kg	5	5	5	5	7	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	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	135/264/306	135/264/306	135/264/306	135/264/306	64/134/152	64/134/152



Specification 220~240,50,1

Model	Indoor		DCA-H90S	DCA-H100S	DCA-H112S	DCA-H125S	DCA-H140S
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	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power	W	176	176	200	200	200
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)	41/37/34	41/37/34	41/38/35	41/38/35	41/38/35
Dimension(WxDxH)	Net(Body)	mm	835x835x250	835x835x250	835x835x290	835x835x290	835x835x290
	Packing(Body)	mm	910x910x310	910x910x310	910x910x350	910x910x350	910x910x350
	Net(Panel)	mm	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
	Packing(Panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100
Weight	Net(Body)	kg	28	28	30	30	30
	Gross(Body)	kg	35	35	37	37	37
	Net(Panel)	kg	5	5	5	5	5
	Gross(Panel)	kg	7	7	7	7	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	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	64/134/152	64/134/152	60/122/136	60/122/136	60/122/136

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 of product improvement without prior notice.

Four-way Cassette Indoor Units



Specification 208~230,60,1



Model	Indoor		DCA-H28N	DCA-H36N	DCA-H45N	DCA-H56N	DCA-H71N	DCA-H80N
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1	8.0
	Heating	kW	3.0	4.3	5.0	6.3	8.0	10.0
Electric Data	Power Supply	V~,Hz,Ph	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1
	Rated Power	W	84	84	96	96	100	176
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	620/496/434	620/496/434	850/680/595	850/680/595	1250/1040/910	1250/1040/910
	Noise Level(Hi/Mid/Low)	dB(A)	38/35/32	38/35/32	39/36/33	39/36/33	38/34/30	38/34/30
Dimension(WxDxH)	Net(Body)	mm	615x615x263	615x615x263	615x615x263	615x615x263	835x835x250	835x835x250
	Packing(Body)	mm	700x700x330	700x700x330	700x700x330	700x700x330	910x910x310	910x910x310
	Net(Panel)	mm	650x650x55	650x650x55	650x650x55	650x650x55	950x950x55	950x950x55
	Packing(Panel)	mm	710x710x80	710x710x80	710x710x80	710x710x80	1000x1000x100	1000x1000x100
Weight	Net(Body)	kg	20	20	20	20	27	27
	Gross(Body)	kg	25	25	25	25	34	34
	Net(Panel)	kg	3	3	3	3	5	5
	Gross(Panel)	kg	5	5	5	5	7	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	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	135/264/306	135/264/306	135/264/306	135/264/306	64/134/152	64/134/152



Specification 208~230,60,1

Model	Indoor		DCA-H90N	DCA-H100N	DCA-H112N	DCA-H125N	DCA-H140N
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	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1
	Rated Power	W	176	176	200	200	200
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)	41/37/34	41/37/34	41/38/35	41/38/35	41/38/35
Dimension(WxDxH)	Net(Body)	mm	835x835x250	835x835x250	835x835x290	835x835x290	835x835x290
	Packing(Body)	mm	910x910x310	910x910x310	910x910x350	910x910x350	910x910x350
	Net(Panel)	mm	950x950x55	950x950x55	950x950x55	950x950x55	950x950x55
	Packing(Panel)	mm	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100	1000x1000x100
Weight	Net(Body)	kg	28	28	30	30	30
	Gross(Body)	kg	35	35	37	37	37
	Net(Panel)	kg	5	5	5	5	5
	Gross(Panel)	kg	7	7	7	7	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)	19.05(5/8)	19.05(5/8)	19.05(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	64/134/152	64/134/152	60/122/136	60/122/136	60/122/136

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 of product improvement without prior notice.

Ceiling&Floor Indoor Units



Specification 220~240,50,1



Model	Indoor		DCF-H28S	DCF-H36S	DCF-H45S	DCF-H56S	DCF-H 71S	DCF-H80S
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	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power	W	80	80	80	80	140	140
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	450/360/315	630/504/441	950/760/665	950/760/665	1300/1040/910	1500/1200/1050
	Noise Level(Hi/Mid/Low)	dB(A)	37/34/31	39/36/33	42/39/36	42/39/36	45/42/39	47/44/41
Dimension(WxDxH)	Nett(Body)	mm	929×660×205	929×660×205	929×660×205	929×660×205	1280×660×205	1280×660×205
	Packing(Body)	mm	1010×720×290	1010×720×290	1010×720×290	1010×720×290	1360×720×290	1360×720×290
Weight	Nett(Body)	kg	26	26	26	26	35	35
	Gross(Body)	kg	29	29	29	29	39	39
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	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	136/272/306	136/272/306	136/272/306	136/272/306	96/200/225	96/200/225



Specification 220~240,50,1

Model	Indoor		DCF-H90S	DCF-H100S	DCF-H112S	DCF-H125S	DCF-H140S
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	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power	W	140	140	210	210	210
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)	47/44/41	47/44/41	48/45/42	48/45/42	48/45/42
Dimension(WxDxH)	Nett(Body)	mm	1280×660×205	1280×660×205	1631×660×205	1631×660×205	1631×660×205
	Packing(Body)	mm	1360×720×290	1360×720×290	1710×720×290	1710×720×290	1710×720×290
Weight	Nett(Body)	kg	35	35	45	45	45
	Gross(Body)	kg	39	39	51	51	51
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	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	96/200/225	96/200/225	80/160/180	80/160/180	80/160/180

- 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 differernce:0m.
 - 4.Floor standing:Sound level is measured 1m from air-outlet in horizontal distance,1m above the floor in vertical distance,
Ceiling mounted: Sound level is measured 1m from air-outlet in horizontal distance,1m from air-outlet in vertical distance.
 - 5.The above designs and specifications are subject to change of product improvement without prior notice.

Ceiling&Floor Indoor Units



Specification 208~230,60,1



Model	Indoor		DCF-H28N	DCF-H36N	DCF-H45N	DCF-H56N	DCF-H 71N	DCA-H80N
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	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1
	Rated Power	W	96	96	96	96	168	168
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	450/360/315	630/504/441	950/760/665	950/760/665	1300/1040/910	1500/1200/1050
	Noise Level(Hi/Mid/Low)	dB(A)	37/34/31	39/36/33	42/39/36	42/39/36	45/42/39	47/44/41
Dimension(WxDxH)	Nett(Body)	mm	929×660×205	929×660×205	929×660×205	929×660×205	1280×660×205	1280×660×205
	Packing(Body)	mm	1010×720×290	1010×720×290	1010×720×290	1010×720×290	1360×720×290	1360×720×290
Weight	Nett(Body)	kg	26	26	26	26	35	35
	Gross(Body)	kg	29	29	29	29	39	39
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	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	136/272/306	136/272/306	136/272/306	136/272/306	96/200/225	96/200/225



Specification 208~230,60,1

Model	Indoor		DCF-H90N	DCF-H100N	DCF-H112N	DCF-H125N	DCF-H140N
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	208~230,60,1	208~230,60,1	220~240,50,1	208~230,60,1	208~230,60,1
	Rated Power	W	168	168	210	252	252
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)	47/44/41	47/44/41	48/45/42	48/45/42	48/45/42
Dimension(WxDxH)	Nett(Body)	mm	1280×660×205	1280×660×205	1631×660×205	1631×660×205	1631×660×205
	Packing(Body)	mm	1360×720×290	1360×720×290	1710×720×290	1710×720×290	1710×720×290
Weight	Nett(Body)	kg	35	35	45	45	45
	Gross(Body)	kg	39	39	51	51	51
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)	19.05(5/8)	19.05(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	96/200/225	96/200/225	80/160/180	80/160/180	80/160/180

- 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 differernce:0m.
 - 4.Floor standing:Sound level is measured 1m from air-outlet in horizontal distance,1m above the floor in vertical distance.
Ceiling mounted: Sound level is measured 1m from air-outlet in horizontal distance,1m from air-outlet in vertical distance.
 - 5.The above designs and specifications are subject to change of product improvement without prior notice.

Slim duct indoor unit



Standard



Optional

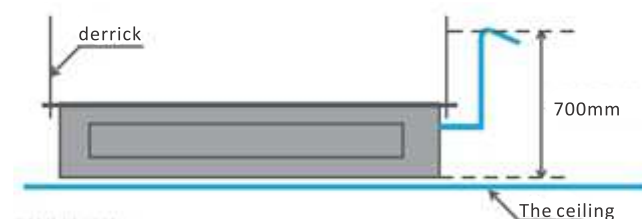


1. Ultra Slim Design

The thickness is only 185mm, save installation space.

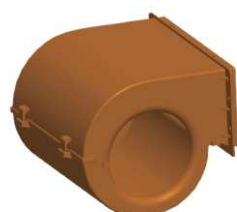
2. Built In Water Pump

The built-in pump can lift condensing water up to 700mm high from the drainage pan.



3. Silence Operation

Innovative centrifugal fan for large diameter and a new design of the spiral duct system equipped with high-quality motor at the same time, making the air supply more quietly and smoothly. The lowest noise is 18 db(A).

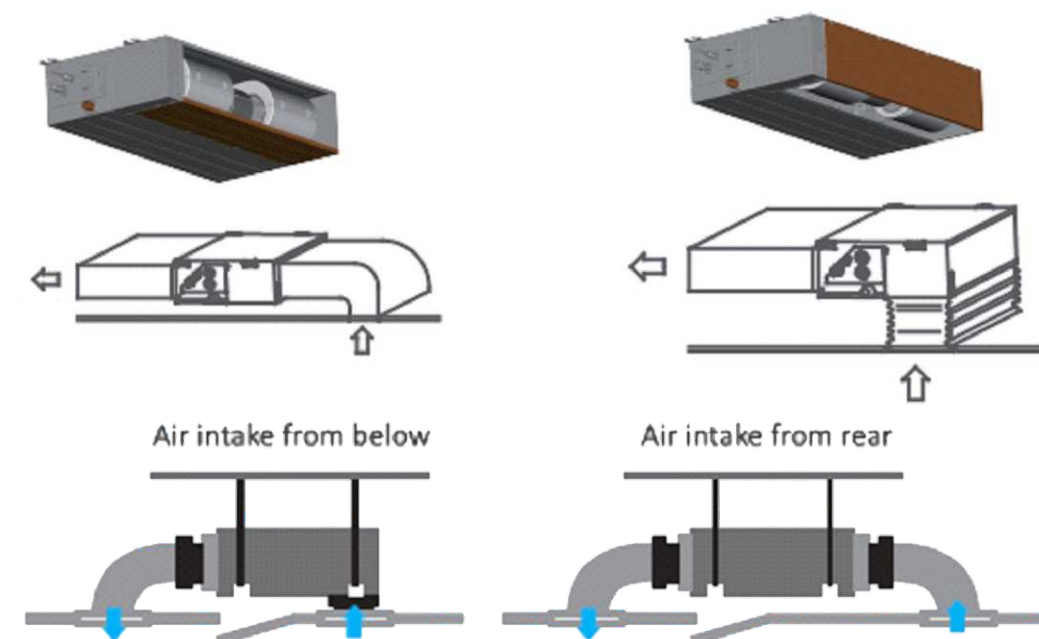


The lowest operation noise is 18 db(A) , the industry's most advanced mute value.

4. Flexible Air Intake Options

Air intake from rear as standard, from bottom is optional.

The size of the plate from bottom is the same as the flange from back, which makes it convenient to change installation style due to different decoration requirements.



5. 2 Ways Draining Connection

There two outlet in left and right, both left and right sides of unit are possible for drainage hose connection, easy for installation.



The left outlet



The right outlet

6. Digital Tube Display (Optional)

Digital tube displays all contents: indoor temperature, setting temperature, operation mode, etc.

Clearly to check the running status, more convenient for trouble shooting .

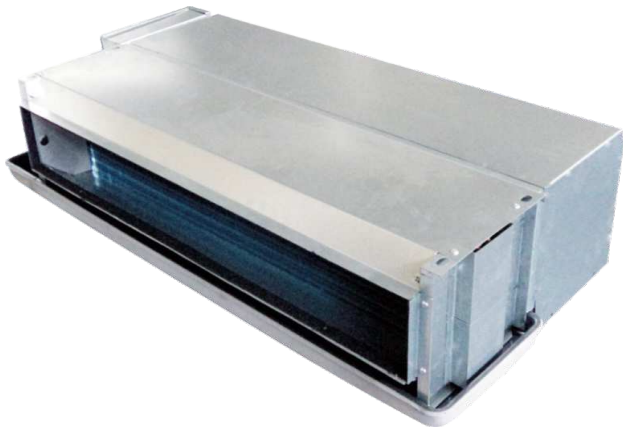


Slim Duct Indoor Units

R410a

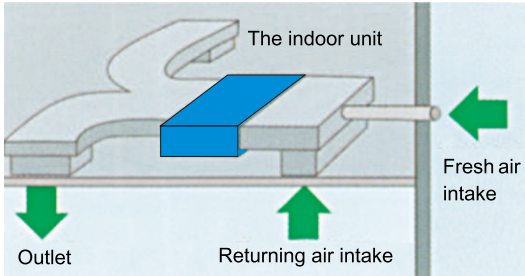


Low ESP duct indoor unit



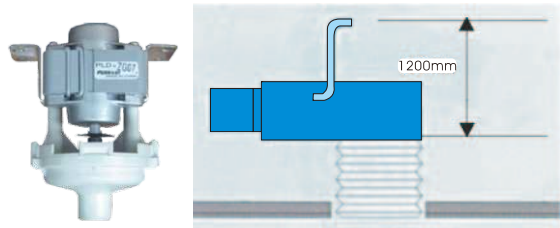
1. Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.



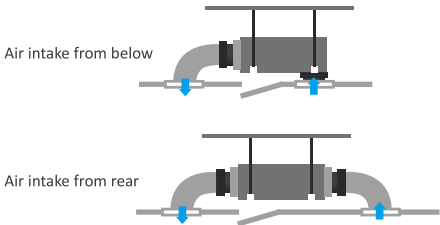
2. Built In Water Pump (Optional)

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



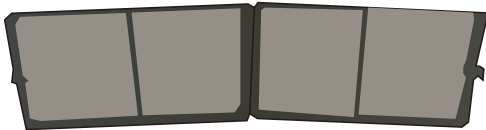
3. Flexible Air Intake Options

Air intake from rear as standard, from bottom is optional. The size of the plate from bottom is the same as the flange from back, which makes it convenient to change installation style due to different decoration requirements.



4. Standard Accessories

For all models, return air bellow and air filter are standard configuration.



Model	Indoor		DLS -H22S	DLS -H28S	DLS -H36S	DLS -H45S	DLS -H56S	DLS -H71S
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.5	3.0	4.3	5.0	6.0	8.0
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
	Rated Power	W	59	59	65	91	91	113
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	480/390/320	480/390/320	560/430/390	850/680/575	850/680/575	1000/810/685
	Noise Level(Hi/Mid/Low)	dB(A)	30/26/23	30/26/23	32/28/25	38/35/32	38/35/32	39/36/32
	External Static Pressure(ESP)	Pa	10/30	10/30	10/30	10/30	10/30	10/30
Dimension(WxDxH)	Net(Body)	mm	840×460×185	840×460×185	840×460×185	1160×460×185	1160×460×185	1160×460×185
	Packing(Body)	mm	1030×545×250	1030×545×250	1030×545×250	1350×545×250	1350×545×250	1350×545×250
Weight	Net(Body)	kg	15.5	15.5	16.5	20	20	22
	Gross(Body)	kg	19	19	20	24	24	26
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)	6.35(1/4)	9.52(3/8)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity		unit	20/40/40H	198/396/440	198/396/440	144/297/330	144/297/330	144/297/330

R410a

			DLS -H22N	DLS -H28N	DLS -H36N	DLS -H45N	DLS -H56N	DLS -H71N
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.5	3.0	4.3	5.0	6.0	8.0
Electric Data	Power Supply	V~,Hz,Ph	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1
	Rated Power	W	59	59	65	91	91	113
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	480/390/320	480/390/320	560/430/390	850/680/575	850/680/575	1000/810/685
	Noise Level(Hi/Mid/Low)	dB(A)	30/26/23	30/26/23	32/28/25	38/35/32	38/35/32	39/36/32
	External Static Pressure(ESP)	Pa	10/30	10/30	10/30	10/30	10/30	10/30
Dimension(WxDxH)	Net(Body)	mm	840×460×185	840×460×185	840×460×185	1160×460×185	1160×460×185	1160×460×185
	Packing(Body)	mm	1030×545×250	1030×545×250	1030×545×250	1350×545×250	1350×545×250	1350×545×250
Weight	Net(Body)	kg	15.5	15.5	16.5	20	20	22
	Gross(Body)	kg	19	19	20	24	24	26
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)	6.35(1/4)	9.52(3/8)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity		unit	20/40/40H	198/396/440	198/396/440	144/297/330	144/297/330	144/297/330

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 differernce:0m.
4.Sound level is measured at 1.4m below the air outlet.
5.The above designs and specifications are subject to change of product improvement without prior notice.

Low ESP Duct Indoor Units



Specification 220~240,50,1



Model	Indoor		DLD-H22S	DLD-H28S	DLD-H36S	DLD-H45S	DLD-H56S	DLD-H71S
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.5	3.0	4.3	5.0	6.0	8.0
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
	Rated Power	W	45	45	75	137	137	187
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	420/336/294	420/336/294	580/464/406	860/688/602	860/688/602	1200/960/840
	Noise Level(Hi/Mid/Low)	dB(A)	36/33/30	36/33/30	38/35/32	40/37/34	40/37/34	42/39/36
	External Static Pressure(ESP)	Pa	12/30	12/30	12/30	12/30	12/30	12/30
Dimension(WxDxH)	Net(Body)	mm	880x547x240	880x547x240	880x547x240	1110x547x240	1110x547x240	1305x547x240
	Packing(Body)	mm	980x620x280	980x620x280	980x620x280	1210x620x280	1210x620x280	1400x620x280
Weight	Net(Body)	kg	22.5	22.5	22.5	31	31	35.5
	Gross(Body)	kg	26	26	26	35	35	37
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)	6.35(1/4)	9.52(3/8)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	168/344/387	168/344/387	168/344/387	104/224/252	104/224/252	104/216/243



Specification 208~230,60,1

Model	Indoor		DLD-H22N	DLD-H28N	DLD-H36N	DLD-H45N	DLD-H56N	DLD-H71N
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.5	3.0	4.3	5.0	6.0	8.0
Electric Data	Power Supply	V~,Hz,Ph	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1
	Rated Power	W	54	54	90	164	164	224
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	420/336/294	420/336/294	580/464/406	860/688/602	860/688/602	1200/960/840
	Noise Level(Hi/Mid/Low)	dB(A)	36/33/30	36/33/30	38/35/32	40/37/34	40/37/34	42/39/36
	External Static Pressure(ESP)	Pa	12/30	12/30	12/30	12/30	12/30	12/30
Dimension(WxDxH)	Net(Body)	mm	880x547x240	880x547x240	880x547x240	1110x547x240	1110x547x240	1305x547x240
	Packing(Body)	mm	980x620x280	980x620x280	980x620x280	1210x620x280	1210x620x280	1400x620x280
Weight	Net(Body)	kg	22.5	22.5	22.5	31	31	35.5
	Gross(Body)	kg	26	26	26	35	35	37
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)	6.35(1/4)	9.52(3/8)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	168/344/387	168/344/387	168/344/387	104/224/252	104/224/252	104/216/243

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 differernce:0m.
- 4.Sound level is measured at 1.4m below the air outlet.
- 5.The above designs and specifications are subject to change of product improvement without prior notice.

Mid ESP duct indoor unit



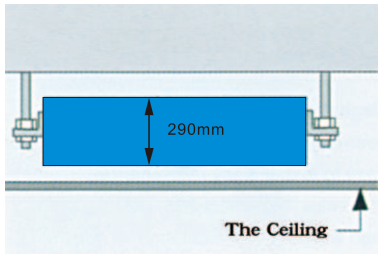
Standard



Optional

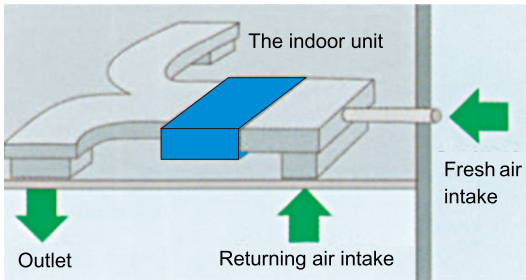
1. Ultra Slim Design

Only 290mm in height, save installation space.



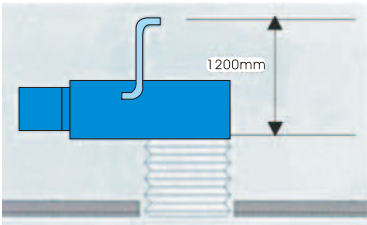
2. Fresh Air Intake

Fresh air makes indoor air healthy and comfortable.



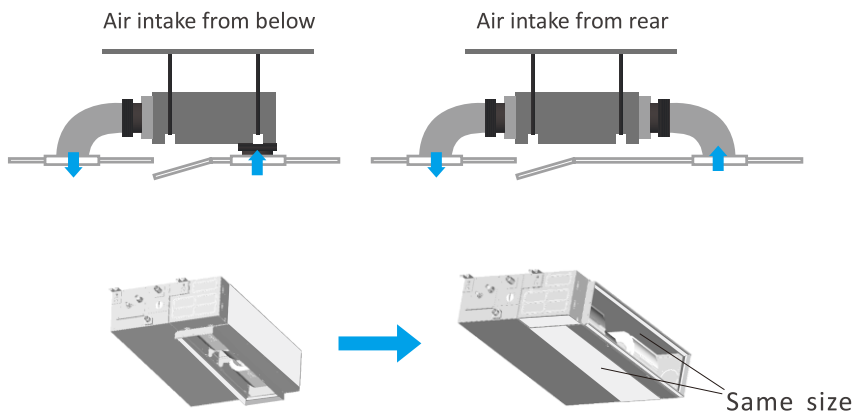
3. Built In With Water Pump (Optional)

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



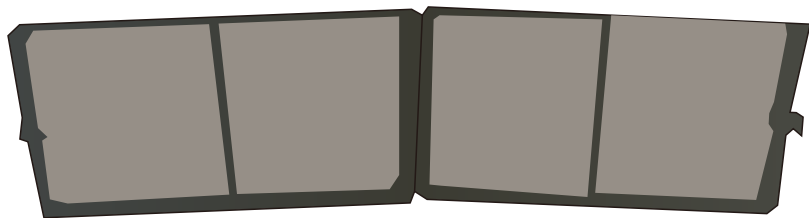
4. Flexible Air Intake Options

Air intake from rear as standard, from bottom is optional.
The size of the plate from bottom is the same as the flange from back, which makes it convenient to change installation style due to different decoration requirements.



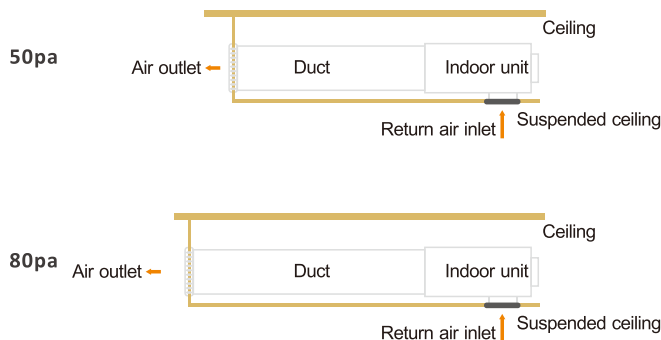
5. Standard Accessories

Return air box and air filter are standard for all models.



6. Optional ESP

50Pa and 80Pa can be freely chosen.



Mid ESP Duct Indoor Units



Specification 220~240,50,1



Model	Indoor		DMD-H45S	DMD-H56S	DMD-H71S	DMD-H80S	DMD-H90S
Capacity	Cooling	kW	4.5	5.6	7.1	8.0	9.0
	Heating	kW	5.0	6.0	8.0	10.0	11.0
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
	Rated Power	W	150	150	220	250	250
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	950/760/665	950/760/665	1200/960/840	1500/1200/1050	1500/1200/1050
	Noise Level(Hi/Mid/Low)	dB(A)	42/39/37	42/39/37	45/42/39	48/45/42	48/45/42
	External Static Pressure(ESP)	Pa	50/80	50/80	50/80	50/80	50/80
Dimension(WxDxH)	Net(Body)	mm	890x785x290	890x785x290	890x785x290	890x785x290	890x785x290
	Packing(Body)	mm	1100x870x360	1100x870x360	1100x870x360	1100x870x360	1100x870x360
Weight	Net(Body)	kg	35	35	37	37	37
	Gross(Body)	kg	41	41	43	43	43
Refrigerant Type			R410a	R410a	R410a	R410a	R410a
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	72/156/182	72/156/182	72/156/182	72/156/182	72/156/182



Specification 220~240,50,1

Model	Indoor		DMD-H100S	DMD-H112	DMD-H125S	DMD-H140S	DMD-H150S
	Cooling	kW	10.0	11.2	12.5	14.0	15.0
	Heating	kW	12.0	12.8	13.3	15.0	16.0
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
	Rated Power	W	250	320	320	320	320
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	1500/1200/1050	2000/1600/1400	2000/1600/1400	2000/1600/1400	2200/1760/1540
	Noise Level(Hi/Mid/Low)	dB(A)	48/45/42	51/43/40	51/43/40	51/43/40	51/43/40
	External Static Pressure(ESP)	Pa	50/80	50/80	50/80	50/80	50/80
Dimension(WxDxH)	Net(Body)	mm	890x785x290	1250x785x290	1250x785x290	1250x785x290	1250x785x290
	Packing(Body)	mm	1100x870x360	1460x870x360	1460x870x360	1460x870x360	1460x870x360
Weight	Net(Body)	kg	37	53	53	53	53
	Gross(Body)	kg	43	60	60	60	60
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	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	72/156/182	60/126/147	60/126/147	60/126/147	60/126/147

- 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 differernce:0m.
 - 4.Sound level is measured at 1.4m below the air outlet.
 - 5.The above designs and specifications are subject to change of product improvement without prior notice.

Mid ESP Duct Indoor Units



Specification 208~230,60,1



Model	Indoor		DMD-H45N	DMD-H56N	DMD-H71N	DMD-H80N	DMD-H90N
Capacity	Cooling	kW	4.5	5.6	7.1	8.0	9.0
	Heating	kW	5.0	6.0	8.0	10.0	11.0
Electric Data	Power Supply	V~,Hz,Ph	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1
	Rated Power	W	180	180	264	300	300
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	950/760/665	950/760/665	1200/960/840	1500/1200/1050	1500/1200/1050
	Noise Level(Hi/Mid/Low)	dB(A)	42/39/37	42/39/37	45/42/39	48/45/42	48/45/42
	External Static Pressure(ESP)	Pa	50/80	50/80	50/80	50/80	50/80
Dimension(WxDxH)	Net(Body)	mm	890x785x290	890x785x290	890x785x290	890x785x290	890x785x290
	Packing(Body)	mm	1100x870x360	1100x870x360	1100x870x360	1100x870x360	1100x870x360
Weight	Net(Body)	kg	35	35	37	37	37
	Gross(Body)	kg	41	41	43	43	43
Refrigerant Type			R410a	R410a	R410a	R410a	R410a
Pipe Diameter	Liquid Side	mm(inch)	6.35(1/4)	6.35(1/4)	9.52(3/8)	9.52(3/8)	9.52(3/8)
	Gas Side	mm(inch)	12.7(1/2)	12.7(1/2)	15.88(5/8)	15.88(5/8)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	72/156/182	72/156/182	72/156/182	72/156/182	72/156/182

High ESP duct indoor unit

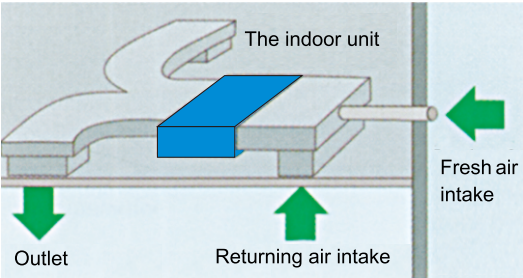


Optional

1. Fresh air intake
2. Applicable to a variety of room types

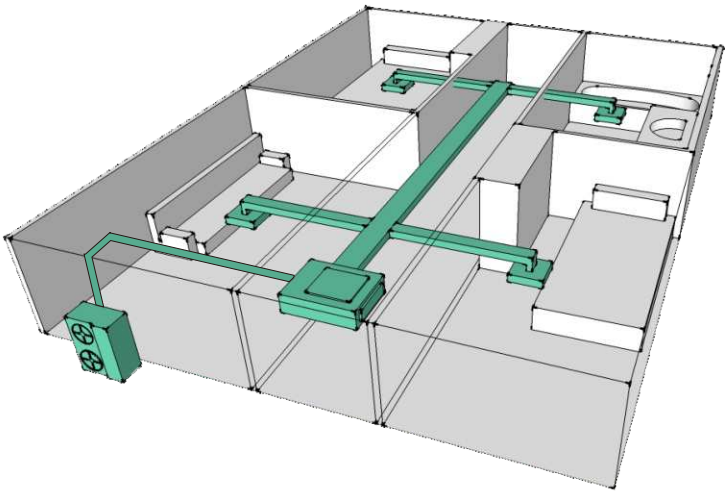
Fresh air makes indoor air healthy and comfortable.

Specific ESP design can be applied to various room types easily, like rooms with L type or U type; the air outlet can be set separately from the indoor unit, so the air flow can be equally distributed even the room is in irregular structure.



3. Long Distance Air Supply

High ESP makes the air supply distance up to 50m.



Specification 208~230,60,1

Model	Indoor		DMD-H100N	DMD-H112N	DMD-H125N	DMD-H140N	DMD-H150N
Capacity	Cooling	kW	10.0	11.2	12.5	14.0	15.0
	Heating	kW	12.0	12.8	13.3	15.0	16.0
Electric Data	Power Supply	V~,Hz,Ph	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1
	Rated Power	W	300	384	384	384	384
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	1500/1200/1050	2000/1600/1400	2000/1600/1400	2000/1600/1400	2200/1760/1540
	Noise Level(Hi/Mid/Low)	dB(A)	48/45/42	51/43/40	51/43/40	51/43/40	51/43/40
	External Static Pressure(ESP)	Pa	50/80	50/80	50/80	50/80	50/80
Dimension(WxDxH)	Net(Body)	mm	890x785x290	1250x785x290	1250x785x290	1250x785x290	1250x785x290
	Packing(Body)	mm	1100x870x360	1460x870x360	1460x870x360	1460x870x360	1460x870x360
Weight	Net(Body)	kg	37	53	53	53	53
	Gross(Body)	kg	43	60	60	60	60
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)	19.05(5/8)	19.05(5/8)	19.05(5/8)	19.05(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	72/156/182	60/126/147	60/126/147	60/126/147	60/126/147

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 air outlet.
5.The above designs and specifications are subject to change of product improvement without prior notice.

High ESP Duct Indoor Units



Specification 220~240,50,1



Model	Indoor		DHD-H112S	DHD-H125S	DHD-H140S	DHD-H150S
Capacity	Cooling	kW	11.2	12.5	14.0	15.0
	Heating	kW	12.8	13.3	15.0	16.0
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	220~240,50,1	220~240,50,1
	Rated Power	W	600	600	600	600
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	2000/1600/1400	2000/1600/1400	2000/1600/1400	2000/1600/1400
	Noise Level(Hi/Mid/Low)	dB(A)	60/57/51	60/57/51	60/57/51	60/57/51
	External Static Pressure(ESP)	Pa	196	196	196	196
Dimension(WxDxH)	Net(Body)	mm	1200x719x380	1200x719x380	1200x719x380	1200x719x380
	Packing(Body)	mm	1235x760x415	1235x760x415	1235x760x415	1235x760x415
Weight	Net(Body)	kg	56	56	56	56
	Gross(Body)	kg	59	59	59	59
Refrigerant Type			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)
	Gas Side	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	65/135/162	65/135/162	65/135/162	65/135/162



Specification 220~240,50,1

Model	Indoor		DHD-H220S	DHD-H280S	DHD-H450S	DHD-H560S
Capacity	Cooling	kW	22.0	28.0	45.0	56.0
	Heating	kW	24.5	31.0	49.5	61.5
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	380~415,50,3	380~415,50,3
	Rated Power	W	1050	1050	2220	2220
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	4000/3200/2600	4000/3200/2600	8000	8000
	Noise Level(Hi/Mid/Low)	dB(A)	60/55/53	60/56/54	63	63
	External Static Pressure(ESP)	Pa	220	220	200	200
Dimension(WxDxH)	Net(Body)	mm	1755x915x645	1755x915x645	2115x990x855	2115x990x855
	Packing(Body)	mm	1880x940x805	1880x940x805	2225x1025x1015	2225x1025x1015
Weight	Net(Body)	kg	130	130	225	225
	Gross(Body)	kg	150	150	260	260
Refrigerant Type			R410a	R410a	R410a	R410a
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)x2	9.52(3/8)x2	12.7(1/2)x2	12.7(1/2)x2
	Gas Side	mm(inch)	19.05(3/4)x2	19.05(3/4)x2	22.2(7/8)x2	22.2(7/8)x2
	Drainage	mm	DN25	DN25	DN25	DN25
Stuffing Quantity	20/40/40H	unit	12/24/36	12/24/36	10/22/22	10/22/22

- 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 differernce:0m.
 - 4.Sound level is measured at 1.4m below the air outlet.
 - 5.The above designs and specifications are subject to change of product improvement without prior notice.

High ESP Duct Indoor Units



Specification 220~240,60,1



Model	Indoor		DHD-H112SN	DHD-H125N	DHD-H140N	DHD-H150N
Capacity	Cooling	kW	11.2	12.5	14.0	15.0
	Heating	kW	12.8	13.3	15.0	16.0
Electric Data	Power Supply	V~,Hz,Ph	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1
	Rated Power	W	720	720	720	720
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	2000/1600/1400	2000/1600/1400	2000/1600/1400	2000/1600/1400
	Noise Level(Hi/Mid/Low)	dB(A)	60/57/51	60/57/51	60/57/51	60/57/51
	External Static Pressure(ESP)	Pa	196	196	196	196
Dimension(WxDxH)	Net(Body)	mm	1200x719x380	1200x719x380	1200x719x380	1200x719x380
	Packing(Body)	mm	1235x760x415	1235x760x415	1235x760x415	1235x760x415
Weight	Net(Body)	kg	56	56	56	56
	Gross(Body)	kg	59	59	59	59
Refrigerant Type			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)
	Gas Side	mm(inch)	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	65/135/162	65/135/162	65/135/162	65/135/162

- 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 air outlet.
 - 5.The above designs and specifications are subject to change of product improvement without prior notice.

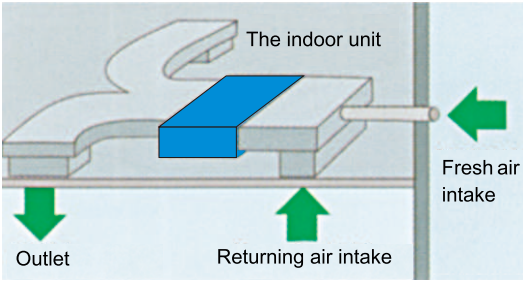
Fresh Air Processor IDU



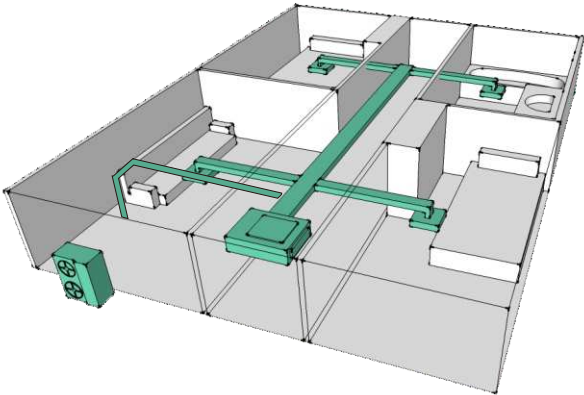
Optional

Indoor Units - FA

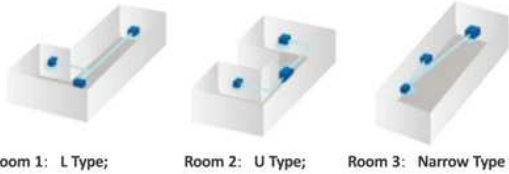
- **1. Fresh air intake**
Fresh air makes indoor air healthy and comfortable.



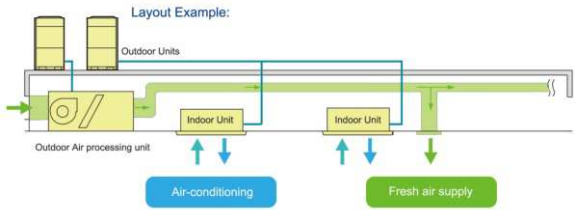
- **3. Long Distance Air Supply**
High ESP makes the air supply distance up to 50m.



- **2. Applicable to a variety of room types**
Specific ESP design can be applied to various room types easily, like rooms with L type or U type; the air outlet can be set separately from the indoor unit, so the air flow can be equally distributed even the room is in irregular stru



- **3. Long Distance Air Supply**
High ESP makes the air supply distance up to 50m.



Fresh Air Processor Indoor Units



Specification 220~240,50,1



Model	Indoor		DFA-H220S	DFA-H280S	DFA-H450S	DFA-H560S
Capacity	Cooling	kW	22.0	28.0	45.0	56.0
	Heating	kW	24.5	31.0	49.5	61.5
Electric Data	Power Supply	V~,Hz,Ph	220~240,50,1	220~240,50,1	380~415,50,3	380~415,50,3
	Rated Power	W	710	710	1520	1520
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	2800	2800	4000	5000
	Noise Level(Hi/Mid/Low)	dB(A)	44	45	57	59
	External Static Pressure(ESP)	Pa	220	220	200	200
Dimension(WxDxH)	Net(Body)	mm	1755x915x645	1755x915x645	1820x990x855	2115x990x855
	Packing(Body)	mm	1880x940x805	1880x940x805	1935x1025x1015	2225x1025x1015
Weight	Net(Body)	kg	110	110	150	225
	Gross(Body)	kg	130	130	170	255
Refrigerant Type			R410a	R410a	R410a	R410a
Pipe Diameter	Liquid Side	mm(inch)	9.52(3/8)x2	9.52(3/8)x2	12.7(1/2)x2	12.7(1/2)x2
	Gas Side	mm(inch)	19.05(3/4)x2	19.05(3/4)x2	22.2(7/8)x2	22.2(7/8)x2
	Drainage	mm	DN25	DN25	DN25	DN25
Stuffing Quantity	20/40/40H	unit	12/24/36	12/24/36	10/22/22	10/22/22

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 air outlet.
5.The above designs and specifications are subject to change of product improvement without prior notice.

- Connection Conditions :
- The following restrictions must be observed in order to maintain the indoor units connected to the same system.
 - When outdoor-air processing units are connected, the total connection capacity must be within 50% to 100% of that of the outdoor units.
 - When outdoor-air processing units are standard indoor unigs are connected, the total connection capacity of the outdoor-processing units must not exceed 30% of that of the outdoor units.
 - Outdoor-air processing units can be used without indoor units.

Indoor Units - FA

Wall split indoor unit



LH



LI



Optional

1. Variety Panel

A variety of panel can be chosen: LH, LI and so on.

3. Built-in EXV

EXV inside the unit is standard.



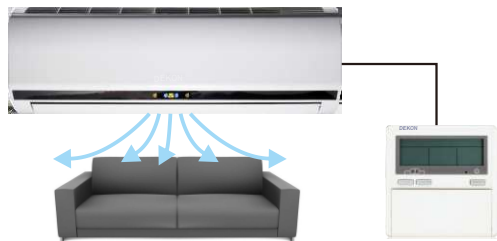
4. 2 Ways Draining Connection

Both left and right sides of unit are possible for drainage hose connection, easy for installation.



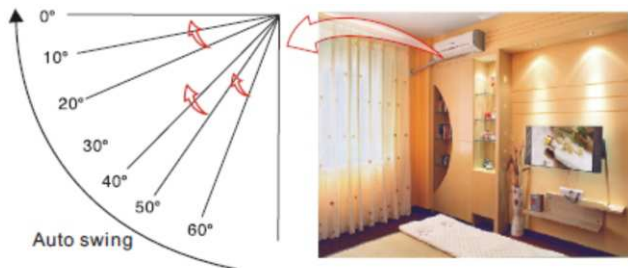
2. Wired Control

Remote controller is standard, and wired controller is optional. 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.



5. Several Fan Speed

Adopt cross fan and optimization wind path design, supply air is strong and quiet.



Wall-mounted Indoor Units



Specification 220~240,50,1



Model	Indoor		DWM-H22S	DWM-H28S	DWM-H36S	DWM-H45S	DWM-H56S	DWM-H71S
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.5	3.0	4.3	5.0	6.0	8.0
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
	Rated Power	W	38	38	38	68	68	82
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	630	630	630	950	950	1200
	Noise Level(Hi/Mid/Low)	dB(A)	38/35/27	38/35/27	38/35/27	45/41/31	45/41/31	48
Dimension(WxDxH)	Nett(Body)	mm	850x300x198	850x300x198	850x300x198	970x315x235	970x315x235	1100x330x235
	Packing(Body)	mm	905x357x267	905x357x267	905x357x267	1010*370*300	1010*370*300	1140*385*300
Weight	Nett(Body)	kg	10	10	10	14	14	16
	Gross(Body)	kg	13	13	13	18	18	20
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)	6.35(1/4)	9.52(3/8)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	328/680/850	328/680/850	328/680/850	238/476/544	238/476/544	210/434/496



Specification 220~240,60,1

Model	Indoor		DWM-H22N	DWM-H28N	DWM-H36N	DWM-H45N	DWM-H56N	DWM-H71N
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.5	3.0	4.3	5.0	6.0	8.0
Electric Data	Power Supply	V~,Hz,Ph	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1	208~230,60,1
	Rated Power	W	38	38	38	68	68	82
Performance	Air Flow Volume(Hi/Mid/Low)	m³/h	630	630	630	950	950	1200
	Noise Level(Hi/Mid/Low)	dB(A)	38/35/27	38/35/27	38/35/27	45/41/31	45/41/31	48
Dimension(WxDxH)	Nett(Body)	mm	850x300x198	850x300x198	850x300x198	970x315x235	970x315x235	1100x330x235
	Packing(Body)	mm	905x357x267	905x357x267	905x357x267	1010*370*300	1010*370*300	1140*385*300
Weight	Nett(Body)	kg	10	10	10	14	14	16
	Gross(Body)	kg	13	13	13	18	18	20
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)	6.35(1/4)	9.52(3/8)
	Gas Side	mm(inch)	9.52(3/8)	9.52(3/8)	9.52(3/8)	12.7(1/2)	12.7(1/2)	15.88(5/8)
	Drainage	mm	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)	R3/4in(DN20)
Stuffing Quantity	20/40/40H	unit	328/680/850	328/680/850	328/680/850	238/476/544	238/476/544	210/434/496

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 differernce:0m.
- 4.Sound level is measured 1m below the air outlet horizontally and vertically.
- 5.The above designs and specifications are subject to change of product improvement without prior notice.

Control Syetem

Wireless Network Centralized Control



Connect to various Gateway



Modbus BMS



Modbus Gateway



Bacnet BMS



Bacnet Gateway



Lonworks BMS



Lonworks Gateway



Central controller

1 central controller can control max. 4 DRV system, at most 64 indoor units



Central control software

1 computer can access at most 64 DRV outdoor systems, max. control 4096 indoor units.

