

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.

DRV Outdoor Unit Lineup

Mini VRF Outdoor Unit

Capacity(kW)	Appearance	8	10	12	14	16	22	28
DRV Mini	T1 Series		●	●	●	●	●	●
	Tropical Series			●	●	●		

Modular VRF Outdoor Unit

Full DC Inverter

Capacity	(kW)	25.2	28.0	33.5	40.0	45.0	50.4	56.0	61.5
	(HP)	8	10	12	14	16	18	20	22
DRV 6	T1 Series	●	●	●	●	●	●	●	●
	Tropical Series	●	●	●	●	●	●	●	●

DRV 6 T1 Series

8/10/12HP

14/16/18/20/22HP

24/26/28/30/32/34/36/38/40/42/44HP



46/48/50/52/54/56/58/60/62/64/66HP

68/70/72/74/76/78/80/82/84/86/88HP



DRV Outdoor Unit Lineup

DRV 6 Tropical Series

8/10HP

12/14/16/18/20HP

22/24/26/28/30/32/34/36/38/40HP



42/44/46/48/50/52/54/56/58/60HP

62/64/66/68/70/72/74/76/78/80HP



Individual VRF Outdoor Unit

Capacity(kW)	Appearance	61.5	67.0	73.0	78.5	85.0	90.0
DRV Individual		•	•	•	•	•	•

DRV Individual

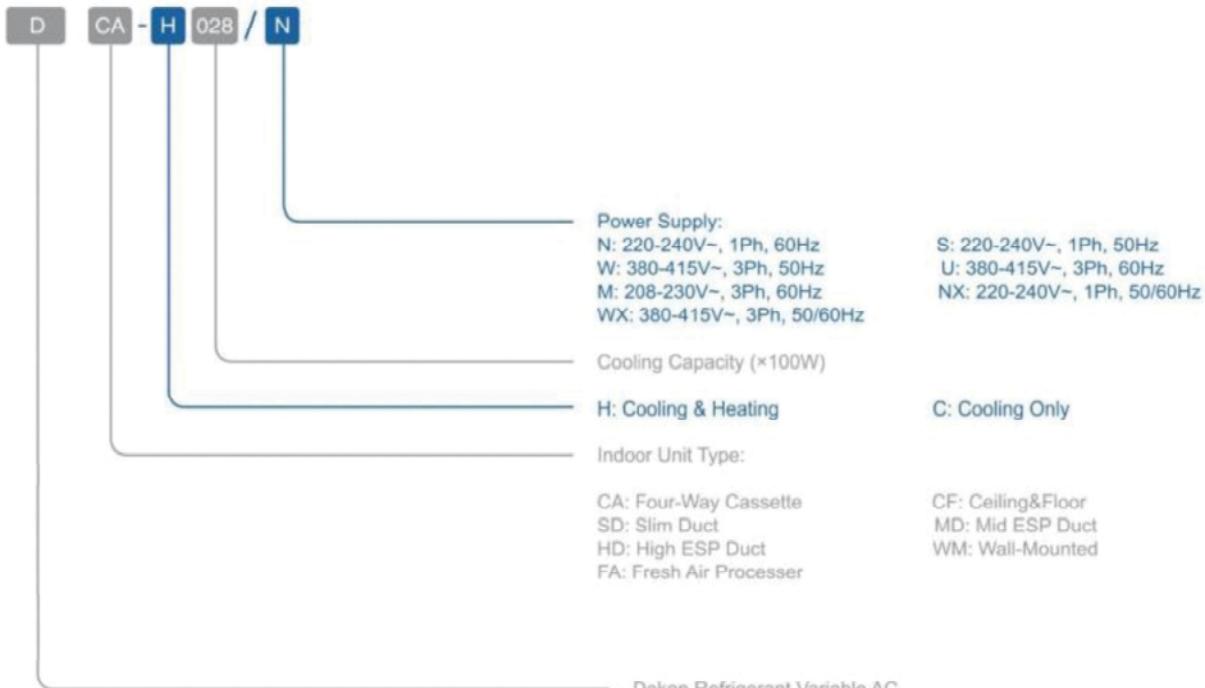
22/24HP

26/28/30/32HP



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 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.



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.

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 surrounding condition.



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.



Compressor Heating Belt

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.



DRV 6 T1 Series

-All DC Inverter DRV System

Outdoor Units

DRV 6 T1 Series



VER Technology

Variable Energy-efficiency Regulation

Evaporating and condensing temperature makes strong effect to the cooling and heating performance and energy-efficiency ratio of AC system.

Thanks to VER technology, DRV 6 series has various modes with different refrigerant temperature which lead the system to different performance and energy-efficiency ratio.

Cooling: 3 modes with different evaporating temperature.

Heating: 3 modes with different condensing temperature.

Turbo mode

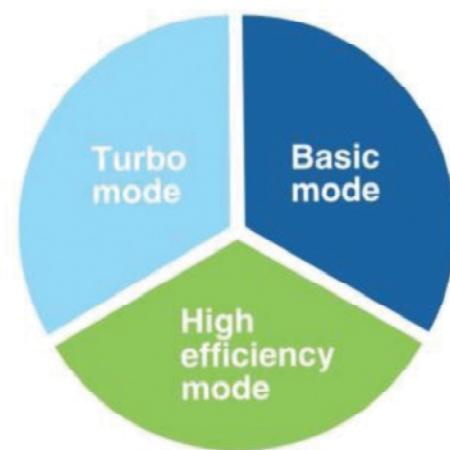
High cooling and heating performance, cool down or warm up the room rapidly.

Basic mode

Default mode, balance the reaction speed and efficiency.

High efficiency mode

Satisfy the lowest capacity requirement and low the energy consumption.



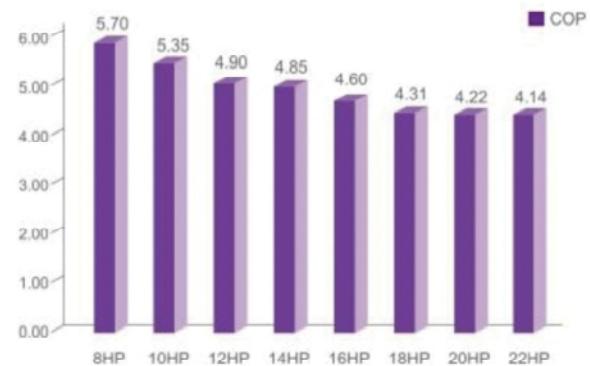
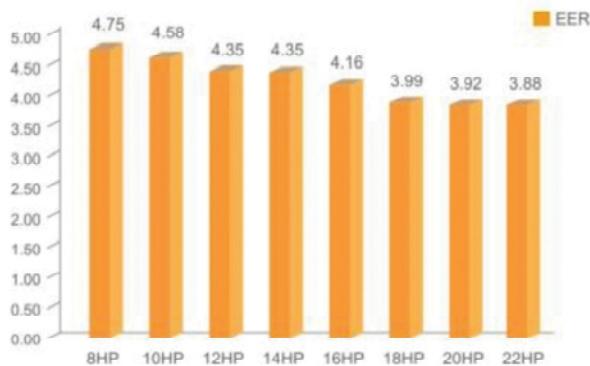
Users can choose a certain mode according to the actual need in different area and climate, so that the system can satisfy various requirement, and the seasonal efficiency can be optimized.

High Efficiency and Energy Saving

High Eer And Cop

DRV 6 Series achieves the industry's top class energy efficiency in cooling and heating by utilizing all DC inverter compressors, and Enhanced vapor injection.

The cooling EER is up to 4.75 and the heating COP is up to 5.70 in the 8HP category.



Full DC Inverter

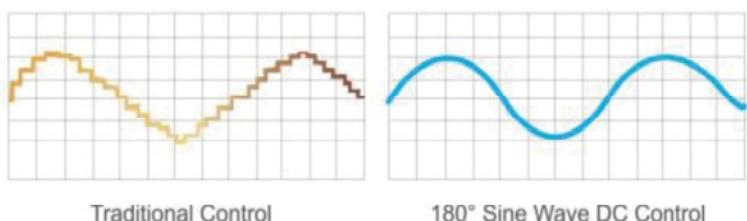
New generation DC inverter compressor, high efficiency, large capacity and wide operation range.

DC fan motor, optimized designed fan blade and wind scooper, enhance the air flow volume and reduce the noise.



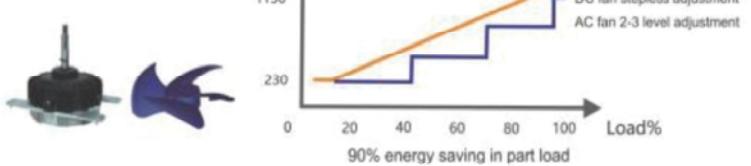
180° Sine Wave Control

DC inverter compressor users 180° sine wave vector control technique makes motor operate smooth and increases the efficiency, significantly compared with traditional sawtooth wave. It also can lower the noise level.



DC Brushless Fan Motor

DC brushless motor adjusts the fan speed according to the system pressure, and running load to enhance the efficiency by 45%. The super aero fan provides a larger air volume and higher static pressure.



Enhanced Vapor Injection DC Inverter Compressor

EVI-Enhanced vapor injection

Heating condition, reducing the outlet temperature, increasing the compressor capacity, improving the heating performance.

Optimize the asymmetric vortex design

Heating condition, reducing the outlet temperature, increasing the compressor capacity, improving the heating performance.

Dynamic oil balance structure

Oil balance tube implementation parallel compressor and oil quantity dynamic equilibrium, ensuring the reliability of several paralleled compressors.

High efficiency motor configuration

Using high quality material concentrated stator, cooperate with neodymium magnet rotor, having outstanding efficiency.

High pressure cavity structure

Large exhaust buffer volume, reducing the air flow noise and vibration of the runtime.



Pressure relief valve structure

Improving the partial load efficiency, adapt to the transformer ratio working condition, improving the compressor performance.

The intermediate pressure servo mechanism

According to the operation pressure among dynamic adjusting middle pressure, has realized the axial flexible, optimization of dynamic vortex disk meshing, improve product performance.

High reliability of the bearing

Adopt cylinder bearing and self-aligning ball bearing bearing group, improving the reliability of the compressor.

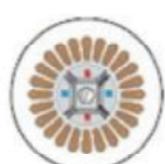
Internal oil circulation structure

Lubricating oil to achieve internal circulation, reducing heat loss, decreasing the rate of spitting oil, improve the efficiency and reliability.

Positive displacement gear oil pump

Positive displacement gear oil pump to ensure the high and low frequency can satisfy the oil supply, improving the reliability of the compressor.

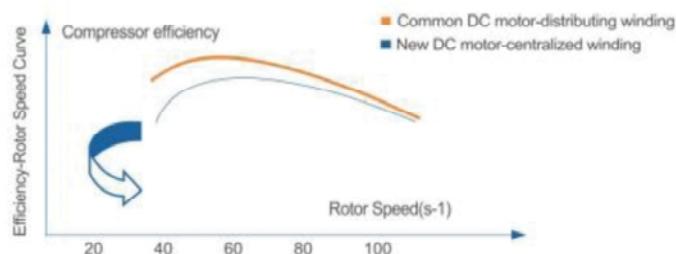
High-efficient permanent magnetic motors are installed, giving better performance than traditional DC inverter compressors.



Centralizing winding



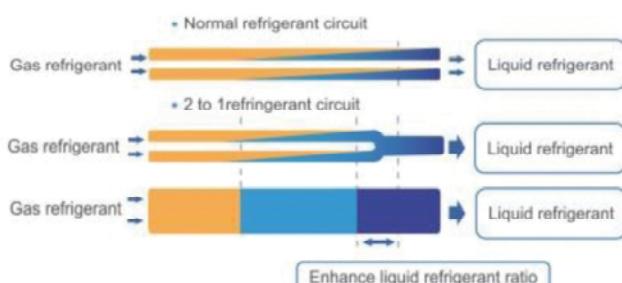
Distributed winding



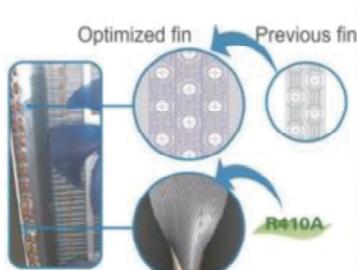
Powerful magnets provide high torque and efficiency and achieve 70% reduction in volume.

High Efficient Heat Exchanger

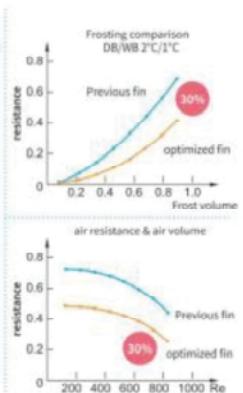
Optimized 2 to 1 refrigerant circuit design, increase the heat exchanging efficiency and enhance the ratio of liquid which flow to the evaporator.



Optimized fin design, reduces the water resistance and wind resistance.

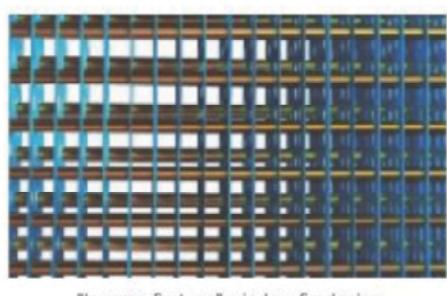
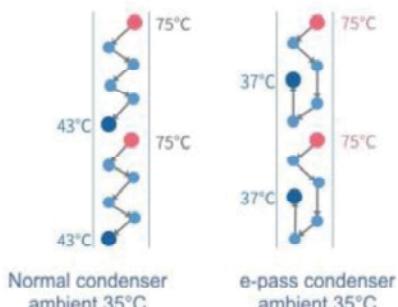


Inner grooved copper tube, strength heat exchange efficiency

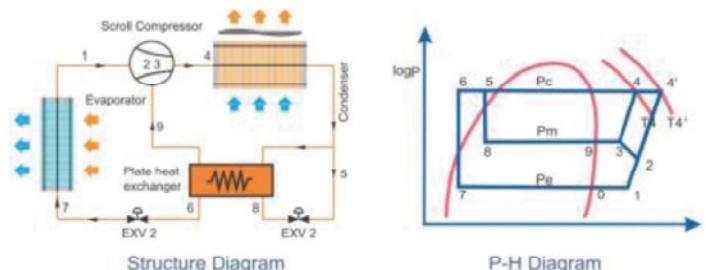


3-step Sub-cooling Technology

Optimize the design of the condenser 12°C sub-cooling by optimized refrigerant circuit and "Inverse fin type" window fin design.



5.5°C sub-cooling by special plate heat exchanger further reduce the refrigerant temperature flowing into the indoor unit.



14.5°C sub-cooling by dual EXV with a special and effective plate heat exchanger.

- Low cold
- Mid cold
- High cold
- Super cold



4-times Anticipation Energy-saving Control Technology

Module anticipation energy-saving control technology

In partial load, intelligent judgment single operation and the efficiency of the module keep the minimum power consumption.



Compressor anticipation energy-saving adjustment technology

Control compressors quantity and operating frequency, to get higher energy efficiency ratio in partial load. Compressor parallel technology.



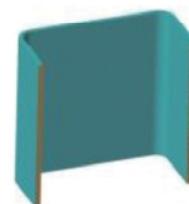
Fan anticipation energy-saving adjustment technology

Control running quantity and operating frequency, obtain higher energy efficiency ratio under partial load.



Refrigerant anticipation energy-saving technology adjustment

Adjust the opening of the electronic expansion valve, to improve the effect of condenser heat transfer, to get higher energy efficiency ratio under partial load.

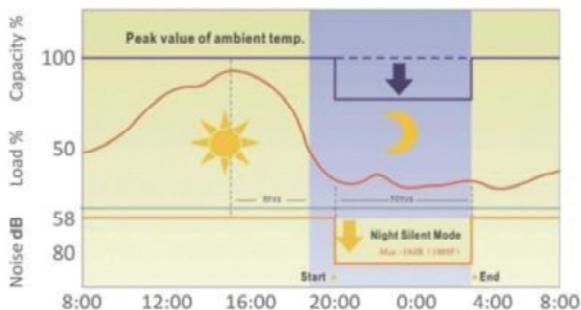


Comfortable And Healthy Environment

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 45dB(A)



Indoor Unit Quiet Mode

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).

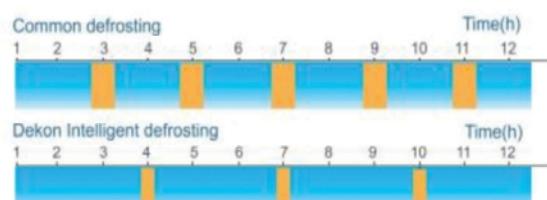


Intelligent Defrosting

Variable parameters defrost through temperature and pressure sensors, to grasp time accurately which can defrost or heat normally.

Base on the main unit and at the end of the EXV control the output, fast bolt in liquid refrigerant system, unit operation is more stable; Through the dry run, defrosting exhaust temperature higher, more complete, more conventional. The defrosting time less 3 min than others at least.

Refrigerant pipeline design to ensure outdoor heat exchanger bottom no frost during heating and ice water mixture discharge smoothly when defrosting.



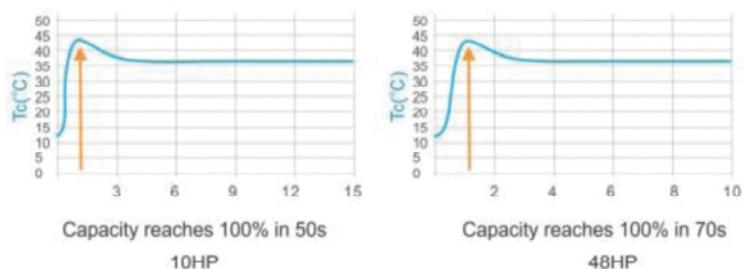
Normal air conditioner



DRV 6

Fast Warm Up And Cool Down

The DC Inverter Compressor system reaches full load rapidly providing less temperature fluctuation and an improved living environment, bring great user experience.



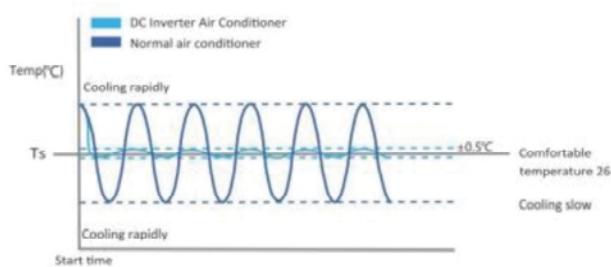
Precise Temperature Control

Double EXVs Control

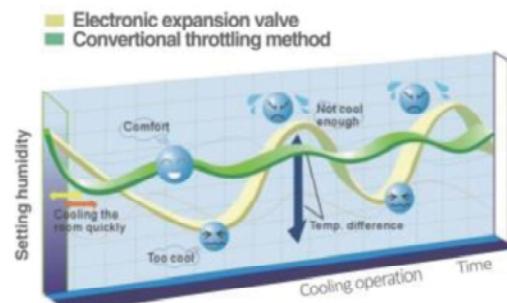
Double EXVs in one system ,each EXV part achieves 480 Plus rate to precisely adjust refrigerant flow.



Rosenberg composite temperature control technology, through the indoor/outdoor operation condition detection, adjust outdoor power output, optimize the indoor air distribution, achieve the high precision adjustment of 0.5°C.



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 through the double EXV adjustment, precision up to level 1000, accurately control the refrigerant flow, assure indoor comfort.



Humanization Design

VIP Function

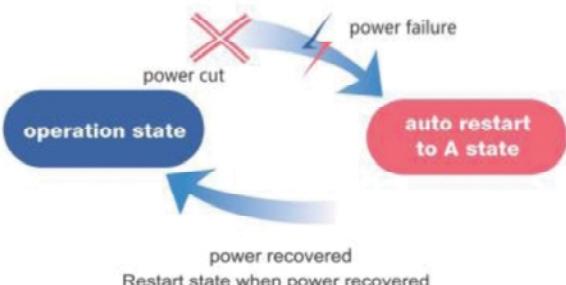
Special VIP control function, the VIP room will decide the whole system operation mode, prior to other mode or economic locking function, ensure the priority of the important room.



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



Economic Locking Function

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.



Easy Installation & Maintenance

Saving Installation Space

Less quantity of system, space saving, easy installation and low cost.

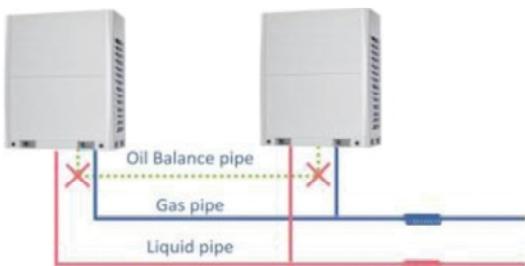


22HP: Required Space Reduced by 44%

88HP: Required Space Reduced by 36%

No Oil Balance Pipe Between ODUS

High efficient oil/gas separating tech, make the system oil balance between compressors without oil balance pipe.



Non-Polar Communication

No polar in communication wire ,easy installation and commissioning.



Auto Commissioning

When commissioning, the outdoor mainboard can check the operation state and show the corresponding error code in engineering mode.

Find out the faults when commissioning, enhance the reliability of the system.

- Connection ratio is OK?
Num. of IDU is OK?
- Stop valves opened normally?
- Temperature sensor fault?
- EXV fault?
- Pressure sensor fault?

Auto Refrigerant Recycling & Auto Refrigerant Charging

Refrigerant can be recycled to the outdoor units or indoor units when maintenance is need.

The outdoor unit can adjust the refrigerant amount according to the operation parameters such as pressure and temperature, and remind the installation personnel to stop charging.



One Button Test Run

Press the button lightly once in the motherboard outdoor, to realize the cooling and heating test run, don't need to open indoor machine one by one.



Auto Dust Removal & Auto Snow-Blowing

The outdoor fan can blow away covered snow every 30 minutes(or other given time) without manual cleaning, especially suitable for cold areas.

The outdoor fan can rotate in reverse direction to remove dust on heat exchanger to ensure the heat exchange performance.

Rotatable Electric Control Box

Rotating electric control box design, using the new rotating electric control box, humanized design makes maintenance more convenient, without disassembling control box.



Black BOX Function

Using aviation grade Black BOX technique, memorizing operation parameters before the failure, finding fault information quickly, as an accurate, efficient maintenance services to provide valuable information, maintenance more convenient.



360° Pipe-connecting Mode

DRV- 6 series can be on the front, left side, right side to choose pipe-connecting direction freely, it's easy to install.

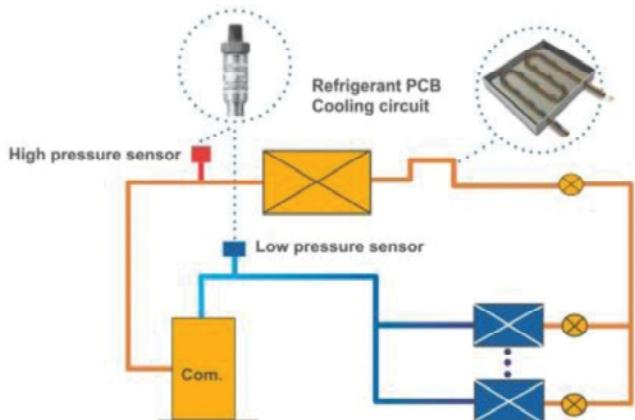


Reliable & Stable

Refrigerant PCB Cooling System

The PCB is well cooled by the refrigerant, ensuring the system operate steadily even in tropical area.

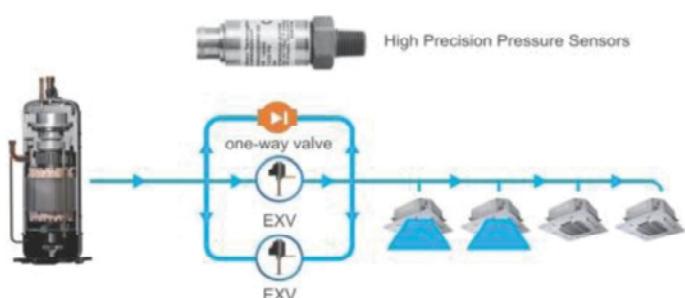
Frequency limit of inverter compressor can be relaxed, so that the output capacity of ODU can be higher than conventional products.



Precise Refrigerant Control

Real-time monitoring the discharge and suction pressure of the system.

The output of compressors and the EXV open degree can be regulated precisely to optimize the compression ratio. Ensuring the compression ratio always in safety zone.



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.



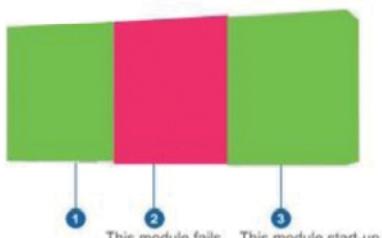
Back-Up Operation Technology

Module Back-Up Technology

As one module breaks down, the rest of modules in the same refrigerant system start-up urgently.

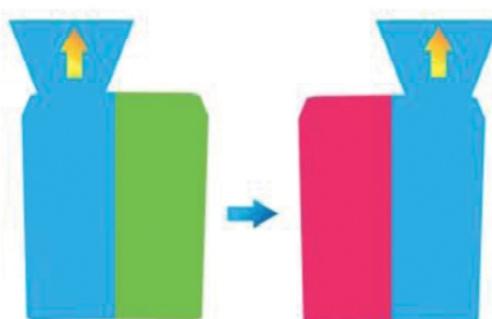
Compressor Back-Up Technology

As one fan motor breaks down, the rest of fan in the outdoor unit start-up, ensure the outdoor unit is normal operation.



Fan Motor Back-Up Technology

As one fan motor breaks down, the rest of fan in the outdoor unit start-up, ensure the outdoor unit is normal operation.



Reliable & Stable

All-round Protection



Oil Return Control Technology

Dynamic Oil Return Control Technology

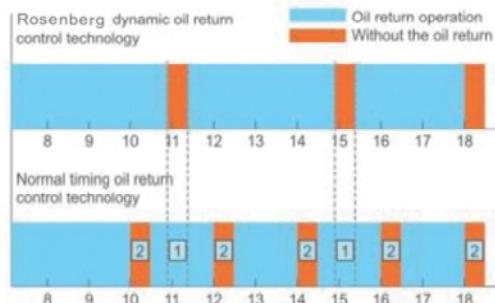
Monitor compressor running state and running time, computing system reasonable oil return time.

6-Step Oil Separating Technology

Completely solve the problem of oil, the system more stable and reliable

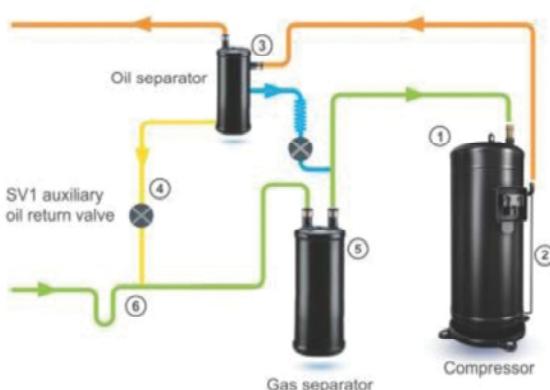
Compressor Throwing Oil Technology

When the compressor oil level higher than the warning line, system through tubing eliminate redundant frozen oil, keep the oil balance between compressor.



① Need oil return but there was no oil return operation, which can't guarantee the system stability and reliability.

② Without oil return operation is to carry on the oil return operation, which cause unnecessary waste.



① Compressor with oil mist separation

② Oil self balancing control design

③ High efficient oil separator

④ Emergency oil circuit design

⑤ Gas-liquid separator oil return

⑥ System with oil return design



Wide Application Range

Large Capacity & Free Combination

8 basic models from 8HP to 22HP.

Maximum combination: 88HP(246kW), top level in industry.

Less quantity of system, space saving, easy installation and low cost.



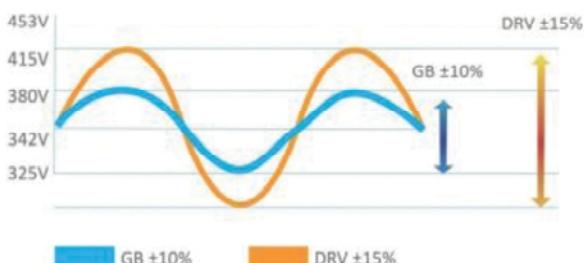
Wide Operation Range

No matter in hot summer or cold winter, DRV6 can supply comfortable environment for users.



Wide Voltage Design

In Country with unstable voltage, DRV system still could run stably.



Changeable ESP

Optimized fan provide outdoor unit up to 110Pa static pressure. Outdoor units can be installed in the service floor or facility room.



Long Piping Length

Thanks to the DC inverter control technology and sub-cooling circuit technology ,it is possible to design a system with longer piping and elevation difference which make it easier to design and installation.

Max. Total piping length — 1000m

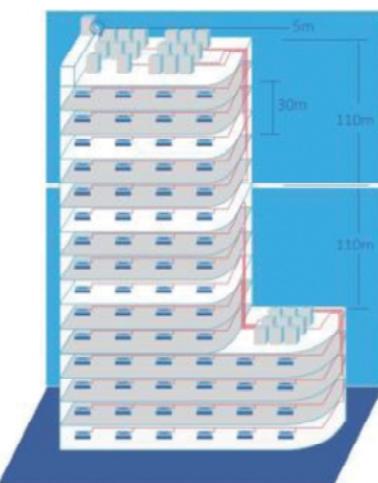
Max. Actual piping length — 240m

Max. piping length from 1st indoor branch to the farthest indoor unit — 40m/90m*

Max. Level difference between outdoor units — 5m

Max. Level difference between indoor units — 30m

Max. Level difference between ODU and IDU units — 110m



*The longest length after first branch is 40m as standard can be extended to up to 90m under certain conditions.Please contact your local dealer for further information.

Outdoor Units

DRV 6 T1 Series



Flexible Outdoor Unit Combination

kW	HP	8HP	10HP	12HP	14HP	16HP	18HP	20HP	22HP
25.2	8	★							
28.0	10		★						
33.5	12			★					
40.0	14				★				
45.0	16					★			
50.4	18						★		
56.0	20							★	
61.5	22								★
67.0	24			★★					
73.0	26		★			★			
78.5	28			★		★			
84.0	30		★					★	
89.5	32		★						★
95.0	34			★					★
101.5	36				★				★
106.5	38					★			★
111.9	40						★		★
117.5	42							★	★
123.0	44								★★
128.5	46			★★					★
134.5	48		★			★			★
140.0	50			★		★			★
145.5	52		★					★	★
151.0	54		★						★★
156.5	56			★					★★
163.0	58				★				★★
168.0	60					★			★★
173.4	62						★		★★
179.0	64							★	★★
184.5	66								★★★
190.0	68			★★					★★
196.0	70		★			★			★★
201.5	72			★		★			★★
207.0	74		★					★	★★
212.5	76		★						★★★
218.0	78			★					★★★
224.5	80				★				★★★
229.5	82					★			★★★
234.9	84						★		★★★
240.5	86							★	★★★
246.0	88								★★★★

*The above combination types are factory-recommended type. The combined type also can be combined at will.

DRV 6 T1 Series 380~415V-50/60Hz

HP		8	10	12	14
Model		DRV-H250WX	DRV-H280WX	DRV-H330WX	DRV-H400WX
Combination	HP	8	10	12	14
Capacity	Cooling kW	25.2	28	33.5	40
	Heating kW	28	31.5	37.5	45
	Power supply V~,Hz,Ph	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3
Electric Data	Cooling input kW	5.31	6.11	7.70	9.20
	EER W/W	4.75	4.58	4.35	4.35
	Heating input kW	4.91	5.89	7.65	9.28
	COP W/W	5.70	5.35	4.90	4.85
Performance	Air Flow Volume m³/h	12000	12000	12000	14000
	Sound Pressure level dB(A)	≤58	≤58	≤58	≤61
Compressor	Type	DC inverter	DC inverter	DC inverter	DC inverter
	Quantity	1	1	1	1
Fan motor	Type	DC motor	DC motor	DC motor	DC motor
	Quantity	1	1	1	2
Max. No. of Indoor Units	unit	13	16	20	23
Connection Ratio	%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net mm	990×765×1635	990×765×1635	990×765×1635	1340×765×1635
	Packing mm	1050×815×1805	1050×815×1805	1050×815×1805	1400×815×1805
Weight	Net kg	215	215	230	265
	Gross kg	225	225	240	280
Pipe Diameter	Liquid Side mm	12.7	12.7	12.7	15.88
	Gas Side mm	22.2	22.2	22.2	28.6
Operation Range	Cooling °C	-15~52	-15~52	-15~52	-15~52
	Heating °C	-25~24	-25~24	-25~24	-25~24
Stuffing Quantity	20/40/40H	unit	14/28/28	14/28/28	11/22/22

DRV 6 T1 Series 380~415V-50/60Hz

HP		16	18	20	22
Model		DRV-H450WX	DRV-H500WX	DRV-H560WX	DRV-H610WX
Combination	HP	16	18	20	22
Capacity	Cooling kW	45	50.4	56	61.5
	Heating kW	50	55.5	63	69
	Power supply V~,Hz,Ph	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3
Electric Data	Cooling input kW	10.82	12.63	14.29	15.85
	EER W/W	4.16	3.99	3.92	3.88
	Heating input kW	10.87	12.88	14.93	16.67
	COP W/W	4.60	4.31	4.22	4.14
Performance	Air Flow Volume m³/h	14000	16000	16000	16000
	Sound Pressure level dB(A)	≤61	≤63	≤63	≤63
Compressor	Type	DC inverter	DC inverter	DC inverter	DC inverter
	Quantity	1	2	2	2
Fan motor	Type	DC motor	DC motor	DC motor	DC motor
	Quantity	2	2	2	2
Max. No. of Indoor Units	unit	26	30	33	36
Connection Ratio	%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net mm	1340×765×1635	1340×765×1635	1340×765×1635	1340×765×1635
	Packing mm	1400×815×1805	1400×815×1805	1400×815×1805	1400×815×1805
Weight	Net kg	265	330	330	330
	Gross kg	280	345	345	345
Pipe Diameter	Liquid Side mm	15.88	15.88	15.88	15.88
	Gas Side mm	28.6	28.6	28.6	28.6
Operation Range	Cooling °C	-15~52	-15~52	-15~52	-15~52
	Heating °C	-25~24	-25~24	-25~24	-25~24
Stuffing Quantity	20/40/40H	unit	11/22/22	11/22/22	11/22/22

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.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.
- 5.Anechoic chamber conversion value, measured in test room. During actual operation, These values are normally somewhat higher as a result of ambient conditions.
- 6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
- 7.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
- 8.The above combined types are factory-recommended type. The combined type also can be combined at will.

DRV 6 T1 Series 380~415V-50/60Hz

HP		24	26	28	30
Model		DRV-H670WX	DRV-H730WX	DRV-H780WX	DRV-H840WX
Combination	HP	12+12	10+16	12+16	10+20
Capacity	Cooling kW	67	73	78.5	84
	Heating kW	75	81.5	87.5	94.5
	Power supply V~.Hz,Ph	380~415.50/60.3	380~415.50/60.3	380~415.50/60.3	380~415.50/60.3
	Cooling input kW	15.40	16.93	18.52	20.40
Electric Data	EER W/W	4.35	4.31	4.24	4.12
	Heating input kW	15.30	16.76	18.52	20.82
	COP W/W	4.90	4.86	4.72	4.54
Performance	Air Flow Volume m³/h	12000×2	12000+14000	12000+14000	12000+16000
	Sound Pressure level dB(A)	≤58	≤61	≤61	≤63
Compressor	Type	DC inverter	DC inverter	DC inverter	DC inverter
	Quantity	2	2	2	3
Fan motor	Type	DC motor	DC motor	DC motor	DC motor
	Quantity	2	3	3	3
Max. No. of Indoor Units	unit	40	42	46	49
Connection Ratio	%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net mm	(990×765×1635)×2	990×765×1635+1340×765×1635	990×765×1635+1340×765×1635	990×765×1635+1340×765×1635
	Packing mm	(1050×815×1805)×2	1050×815×1805+1400×815×1805	1050×815×1805+1400×815×1805	1050×815×1805+1400×815×1805
Weight	Net kg	230×2	215+265	230+265	215+330
	Gross kg	240×2	225+280	240+280	225+345
Pipe Diameter	Liquid Side mm	15.88(5/8)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Side mm	28.6(9/8)	34.93(11/8)	34.93(11/8)	34.93(11/8)
Operation Range	Cooling °C	-15~52	-15~52	-15~52	-15~52
	Heating °C	-25~24	-25~24	-25~24	-25~24

DRV 6 T1 Series 380~415V-50/60Hz

HP		32	34	36	38
Model		DRV-H890WX	DRV-H950WX	DRV-H1010WX	DRV-H1060WX
Combination	HP	10+22	12+22	14+22	16+22
Capacity	Cooling kW	89.5	95	101.5	106.5
	Heating kW	100.5	106.5	114	119
	Power supply V~,Hz,Ph	380~415.50/60.3	380~415.50/60.3	380~415.50/60.3	380~415.50/60.3
	Cooling input kW	21.96	23.55	25.05	26.67
Electric Data	EER W/W	4.07	4.03	4.05	3.99
	Heating input kW	22.56	24.32	25.95	27.54
	COP W/W	4.46	4.38	4.39	4.32
Performance	Air Flow Volume m³/h	12000+16000	12000+16000	14000+16000	14000+16000
	Sound Pressure level dB(A)	≤63	≤63	≤63	≤63
Compressor	Type	DC inverter	DC inverter	DC inverter	DC inverter
	Quantity	3	3	3	3
Fan motor	Type	DC motor	DC motor	DC motor	DC motor
	Quantity	3	3	4	4
Max. No. of Indoor Units	unit	52	56	59	62
Connection Ratio	%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net mm	990×765×1635+1340×765×1635	990×765×1635+1340×765×1635	(1340×765×1635)×2	(1340×765×1635)×2
	Packing mm	1050×815×1805+1400×815×1805	1050×815×1805+1400×815×1805	(1400×815×1805)×2	(1400×815×1805)×2
Weight	Net kg	215+330	230+330	265+330	265+330
	Gross kg	225+345	240+345	280+345	280+345
Pipe Diameter	Liquid Side mm	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Side mm	34.93(11/8)	34.93(11/8)	41.3(13/8)	41.3(13/8)
Operation Range	Cooling °C	-15~52	-15~52	-15~52	-15~52
	Heating °C	-25~24	-25~24	-25~24	-25~24

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.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.
- 5.Anechoic chamber conversion value, measured in test room. During actual operation.These values are normally somewhat higher as a result of ambient conditions.
- 6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
- 7.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
- 8.The above combined types are factory-recommended type. The combined type also can be combined at will.

DRV 6 T1 Series 380~415V-50/60Hz

HP		40	42	44	46
Model		DRV-H1120WX	DRV-H1170WX	DRV-H1230WX	DRV-H1280WX
Combination	HP	18+22	20+22	22+22	12+22+22
Capacity	Cooling kW	111.9	117.5	123	128.5
	Heating kW	124.5	132	138	144
	Power supply V~,Hz,Ph	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3
	Cooling input kW	28.48	30.14	31.70	31.25
Electric Data	EER W/W	3.93	3.90	3.88	4.11
	Heating input kW	29.54	31.60	33.33	31.97
	COP W/W	4.21	4.18	4.14	4.50
Performance	Air Flow Volume m³/h	16000×2	16000×2	16000×2	12000×2+16000
	Sound Pressure level dB(A)	≤63	≤63	≤63	≤63
Compressor	Type	DC inverter	DC inverter	DC inverter	DC inverter
	Quantity	4	4	4	4
Fan motor	Type	DC motor	DC motor	DC motor	DC motor
	Quantity	4	4	4	4
Max. No. of Indoor Units	unit	64	64	64	64
Connection Ratio	%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net mm	(1340×765×1635)×2	(1340×765×1635)×2	(1340×765×1635)×2	(990×765×1635)×2+1340×765×1635
	Packing mm	(1400×815×1805)×2	(1400×815×1805)×2	(1400×815×1805)×2	(1050×815×1805)×2+1400×815×1805
Weight	Net kg	330×2	330×2	330×2	230×2+330
	Gross kg	345×2	345×2	345×2	240×2+345
Pipe Diameter	Liquid Side mm	19.05(3/4)	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Side mm	41.3(13/8)	41.3(13/8)	41.3(13/8)	41.3(13/8)
Operation Range	Cooling °C	-15~52	-15~52	-15~52	-15~52
	Heating °C	-25~24	-25~24	-25~24	-25~24

DRV 6 T1 Series 380~415V-50/60Hz

HP		48	50	52	54
Model		DRV-H1340WX	DRV-H1400WX	DRV-H1450WX	DRV-H1510WX
Combination	HP	10+16+22	12+16+22	10+20+22	10+22×2
Capacity	Cooling kW	134.5	140	145.5	151
	Heating kW	150.5	156.5	163.5	169.5
	Power supply V~,Hz,Ph	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3	380~415,50/60,3
	Cooling input kW	32.78	34.37	36.25	37.81
Electric Data	EER W/W	4.10	4.07	4.01	3.99
	Heating input kW	33.43	35.19	37.49	39.22
	COP W/W	4.50	4.45	4.36	4.32
Performance	Air Flow Volume m³/h	12000+14000+16000	12000+14000+16000	12000+16000×2	12000+16000×2
	Sound Pressure level dB(A)	≤63	≤63	≤63	≤63
Compressor	Type	DC inverter	DC inverter	DC inverter	DC inverter
	Quantity	4	4	5	5
Fan motor	Type	DC motor	DC motor	DC motor	DC motor
	Quantity	5	5	5	5
Max. No. of Indoor Units	unit	64	64	64	64
Connection Ratio	%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net mm	990×765×1635+(1340×765×1635)×2	990×765×1635+(1340×765×1635)×2	990×765×1635+(1340×765×1635)×2	990×765×1635+(1340×765×1635)×2
	Packing mm	1050×815×1805+(1400×815×1805)×2	1050×815×1805+(1400×815×1805)×2	1050×815×1805+(1400×815×1805)×2	1050×815×1805+(1400×815×1805)×2
Weight	Net kg	215+265+330	230+265+330	215+330×2	215+330×2
	Gross kg	225+280+345	240+280+345	225+345×2	225+345×2
Pipe Diameter	Liquid Side mm	19.05(3/4)	19.05(3/4)	22.2(7/8)	22.2(7/8)
	Gas Side mm	41.3(13/8)	41.3(13/8)	47.6(15/8)	47.6(15/8)
Operation Range	Cooling °C	-15~52	-15~52	-15~52	-15~52
	Heating °C	-25~24	-25~24	-25~24	-25~24

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.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.
- 5.Anechoic chamber conversion value, measured in test room. During actual operation.These values are normally somewhat higher as a result of ambient conditions.
- 6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
- 7.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
- 8.The above combined types are factory-recommended type. The combined type also can be combined at will.

DRV 6 T1 Series 380~415V-50/60Hz

HP		56	58	60	62
Model		DRV-H1560WX	DRV-H1630WX	DRV-H1680WX	DRV-H1730WX
Combination	HP	12+22×2	14+22×2	16+22×2	18+22×2
Capacity	Cooling kW	156.5	163	168	173.4
	Heating kW	175.5	183	188	193.5
	Power supply V~.Hz.Ph	380~415.50/60.3	380~415.50/60.3	380~415.50/60.3	380~415.50/60.3
	Cooling input kW	39.40	40.90	42.52	44.33
Electric Data	EER W/W	3.97	3.99	3.95	3.91
	Heating input kW	40.98	42.61	44.20	46.21
	COP W/W	4.28	4.29	4.25	4.19
Performance	Air Flow Volume m³/h	12000+16000×2	14000+16000×2	14000+16000×2	16000×3
	Sound Pressure level dB(A)	≤63	≤63	≤63	≤63
Compressor	Type	DC inverter	DC inverter	DC inverter	DC inverter
	Quantity	5	5	5	6
Fan motor	Type	DC motor	DC motor	DC motor	DC motor
	Quantity	5	6	6	6
Max. No. of Indoor Units	unit	64	64	64	64
Connection Ratio	%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net mm	990×765×1635+(1340×765×1635)×2	(1340×765×1635)×3	(1340×765×1635)×3	(1340×765×1635)×3
	Packing mm	1050×815×1805-(1400×815×1805)×2	(1400×815×1805)×3	(1400×815×1805)×3	(1400×815×1805)×3
Weight	Net kg	230+330×2	265+330×2	265+330×2	330×3
	Gross kg	240+345×2	280+345×2	280+345×2	345×3
Pipe Diameter	Liquid Side mm	22.2(7/8)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Side mm	47.6(15/8)	47.6(15/8)	47.6(15/8)	47.6(15/8)
Operation Range	Cooling °C	-15~52	-15~52	-15~52	-15~52
	Heating °C	-25~24	-25~24	-25~24	-25~24

DRV 6 T1 Series 380~415V-50/60Hz

HP		64	66	68	70
Model		DRV-H1790WX	DRV-H1840WX	DRV-H1900WX	DRV-H1960WX
Combination	HP	20+22×2	22×3	12×2+22×2	10+16+22×2
Capacity	Cooling kW	179	184.5	190	196
	Heating kW	201	207	213	219.5
	Power supply V~,Hz,Ph	380~415.50/60.3	380~415.50/60.3	380~415.50/60.3	380~415.50/60.3
	Cooling input kW	45.99	47.55	47.10	48.63
Electric Data	EER W/W	3.89	3.88	4.03	4.03
	Heating input kW	48.26	50.00	48.63	50.09
	COP W/W	4.16	4.14	4.38	4.38
Performance	Air Flow Volume m³/h	16000×3	16000×3	12000×2+16000×2	12000+14000+16000×2
	Sound Pressure level dB(A)	≤63	≤63	≤63	≤63
Compressor	Type	DC inverter	DC inverter	DC inverter	DC inverter
	Quantity	6	6	6	6
Fan motor	Type	DC motor	DC motor	DC motor	DC motor
	Quantity	6	6	6	7
Max. No. of Indoor Units	unit	64	64	64	64
Connection Ratio	%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net mm	(1340×765×1635)×3	(1340×765×1635)×3	(990×765×1635)×2+(1340×765×1635)×2	990×765×1635+(1340×765×1635)×3
	Packing mm	(1400×815×1805)×3	(1400×815×1805)×3	(1050×815×1805)×2+(1400×815×1805)×2	1050×815×1805+(1400×815×1805)×3
Weight	Net kg	330×3	330×3	230×2+330×2	215+265+330×2
	Gross kg	345×3	345×3	240×2+345×2	225+280+345×2
Pipe Diameter	Liquid Side mm	22.2(7/8)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Side mm	47.6(15/8)	47.6(15/8)	47.6(15/8)	47.6(15/8)
Operation Range	Cooling °C	-15~52	-15~52	-15~52	-15~52
	Heating °C	-25~24	-25~24	-25~24	-25~24

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.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.
- 5.Anechoic chamber conversion value, measured in test room. During actual operation.These values are normally somewhat higher as a result of ambient conditions.
- 6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
- 7.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
- 8.The above combined types are factory-recommended type. The combined type also can be combined at will.

DRV 6 T1 Series 380~415V-50/60Hz

HP		72	74	76	78
Model		DRV-H2010WX	DRV-H2070WX	DRV-H2120WX	DRV-H2180WX
Combination	HP	12+16+22×2	10+20+22×2	10+22×3	12+22×3
Capacity	Cooling kW	201.5	207	212.5	218
	Heating kW	225.5	232.5	238.5	244.5
	Power supply V~,Hz,Ph	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3
Electric Data	Cooling input kW	50.22	52.10	53.67	55.25
	EER W/W	4.01	3.97	3.96	3.95
	Heating input kW	51.85	54.15	55.89	57.65
	COP W/W	4.35	4.29	4.27	4.24
Performance	Air Flow Volume m³/h	12000+14000+16000×2	12000+16000×3	12000+16000×3	12000+16000×3
	Sound Pressure level dB(A)	≤63	≤63	≤63	≤63
Compressor	Type	DC inverter	DC inverter	DC inverter	DC inverter
	Quantity	6	7	7	7
Fan motor	Type	DC motor	DC motor	DC motor	DC motor
	Quantity	7	7	7	7
Max. No. of Indoor Units	unit	64	64	64	64
Connection Ratio	%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net mm	990×765×1635+(1340×765×1635)×3	990×765×1635+(1340×765×1635)×3	990×765×1635+(1340×765×1635)×3	990×765×1635+(1340×765×1635)×3
	Packing mm	1050×815×1805+(1400×815×1805)×3	1050×815×1805+(1400×815×1805)×3	1050×815×1805+(1400×815×1805)×3	1050×815×1805+(1400×815×1805)×3
Weight	Net kg	230+265+330×2	215+330×3	215+330×3	230+330×3
	Gross kg	240+280+345×2	225+345×3	225+345×3	240+345×3
Pipe Diameter	Liquid Side mm	22.2(7/8)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Side mm	47.6(15/8)	47.6(15/8)	47.6(15/8)	47.6(15/8)
Operation Range	Cooling °C	-15~52	-15~52	-15~52	-15~52
	Heating °C	-25~24	-25~24	-25~24	-25~24

DRV 6 T1 Series 380~415V-50/60Hz

HP		80	82	84	86	88
Model		DRV-H2240WX	DRV-H2290WX	DRV-H2350WX	DRV-H2400WX	DRV-H2460WX
Combination	HP	14+22×3	16+22×3	18+22×3	20+22×3	22×4
Capacity	Cooling kW	224.5	229.5	234.9	240.5	246
	Heating kW	252	257	262.5	270	276
	Power supply V~,Hz,Ph	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3
Electric Data	Cooling input kW	56.75	58.37	60.18	61.84	63.40
	EER W/W	3.96	3.93	3.90	3.89	3.88
	Heating input kW	59.28	60.87	62.88	64.93	66.67
	COP W/W	4.25	4.22	4.17	4.16	4.14
Performance	Air Flow Volume m³/h	14000+16000×3	14000+16000×3	16000×4	16000×4	16000×4
	Sound Pressure level dB(A)	≤63	≤63	≤63	≤63	≤63
Compressor	Type	DC inverter				
	Quantity	7	7	8	8	8
Fan motor	Type	DC motor				
	Quantity	8	8	8	8	8
Max. No. of Indoor Units	unit	64	64	64	64	64
Connection Ratio	%	50~200	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net mm	(1340×765×1635)×4	(1340×765×1635)×4	(1340×765×1635)×4	(1340×765×1635)×4	(1340×765×1635)×4
	Packing mm	(1400×815×1805)×4	(1400×815×1805)×4	(1400×815×1805)×4	(1400×815×1805)×4	(1400×815×1805)×4
Weight	Net kg	265+330×3	265+330×3	330×4	330×4	330×4
	Gross kg	280+345×3	280+345×3	345×4	345×4	345×4
Pipe Diameter	Liquid Side mm	22.2(7/8)	22.2(7/8)	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Side mm	47.6(15/8)	47.6(15/8)	47.6(15/8)	47.6(15/8)	47.6(15/8)
Operation Range	Cooling °C	-15~52	-15~52	-15~52	-15~52	-15~52
	Heating °C	-25~24	-25~24	-25~24	-25~24	-25~24

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.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.
- 5.Anechoic chamber conversion value, measured in test room. During actual operation.These values are normally somewhat higher as a result of ambient conditions.
- 6.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
- 7.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
- 8.The above combined types are factory-recommended type. The combined type also can be combined at will.



***DRV 6
Tropical Series***

Outdoor Units

DRV 6 Tropical Series

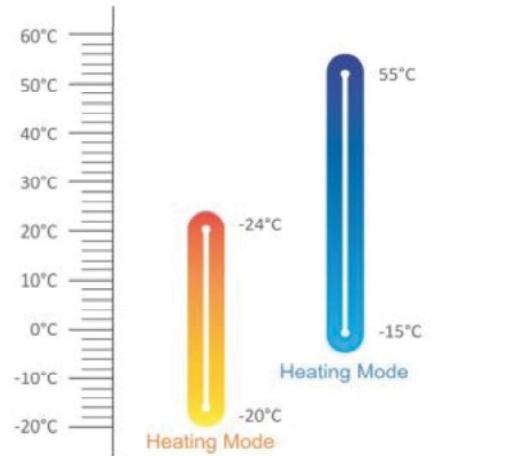


Large Heat Exchanger And Airflow Volume

Compare with T1 series, DRV 6 Tropical series adopts larger heat exchanger and higher airflow volume to enhance the heat exchange performance, the system can operate steadily even in tropical climate.

Wide Operation Range

The cooling operation range of DRV6 Tropical series is -15~55°C and suitable for tropical climate.



Auto Dust Removal

Auto Dust Removal function is optional for DRV6 Tropical series, the outdoor fan can rotate in opposite direction to remove the dust on heat exchanger to ensure the heat exchange performance, and the system can operate steadily in severe environment without manual cleaning.



Outdoor Units



DRV 6 Tropical Series

Flexible Outdoor Unit Combination								
kW	HP	8HP	10HP	12HP	14HP	16HP	18HP	20HP
25.2	8	★						
28.0	10		★					
33.5	12			★				
40.0	14				★			
45.0	16					★		
50.4	18						★	
56.0	20							★
65.2	22	★			★			
68.0	24		★		★			
75.6	26	★					★	
81.2	28	★						★
84.0	30		★					★
89.5	32			★				★
96.0	34				★			★
101.0	36					★		★
106.4	38						★	★
112.0	40							★★
121.2	42	★			★			★
124.0	44		★		★			★
131.6	46	★					★	★
137.2	48	★						★★
140.0	50		★					★★
145.5	52			★				★★
152.0	54				★			★★
157.0	56					★		★★
162.4	58						★	★★
168.0	60							★★★
177.2	62	★			★			★★
180.0	64		★		★			★★
187.6	66	★					★	★★
193.2	68	★						★★★
196.0	70		★					★★★
201.5	72			★				★★★
208.0	74				★			★★★
213.0	76					★		★★★
218.4	78						★	★★★
224.0	80							★★★★

*The above combination types are factory-recommended type. The combined type also can be combined at will.

DRV 6 Tropical Series 380~415V-50/60Hz

HP		8	10	12	14
Model		DRV-T-H250WX	DRV-T-H280WX	DRV-T-H330WX	DRV-T-H400WX
Combination	HP	8	10	12	14
Capacity	Cooling kW	25.2	28.0	33.5	40.0
	Cooling* kW	23.1	25.4	30.7	36.4
	Heating kW	28.0	31.5	37.5	45.0
Electric Data	Power supply V~Hz,Ph	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3
	Cooling input kW	5.35	6.14	7.63	9.26
	EER W/W	4.71	4.56	4.39	4.32
	Cooling input* kW	6.84	7.66	9.29	11.09
	EER* W/W	3.38	3.32	3.3	3.28
	Heating input kW	5.37	6.03	7.46	9.36
	COP W/W	5.21	5.22	5.03	4.81
Performance	Air Flow Volume m³/h	12000	12000	14000	14000
	Sound Pressure level dB(A)	≤58	≤58	≤61	≤61
Compressor	Type	DC inverter	DC inverter	DC inverter	DC inverter
	Quantity	1	1	1	2
Fan motor	Type	DC motor	DC motor	DC motor	DC motor
	Quantity	1	1	2	2
Max. No. of Indoor Units	unit	13	16	20	23
Connection Ratio	%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net mm	990×765×1635	990×765×1635	1340×765×1635	1340×765×1635
	Packing mm	1050×815×1805	1050×815×1805	1400×815×1805	1400×815×1805
Weight	Net kg	215	230	265	265
	Gross kg	225	240	280	280
Pipe Diameter	Liquid Side mm	12.7	12.7	15.88	15.88
	Gas Side mm	22.2	22.2	28.6	28.6
Operation Range	Cooling °C	-15~55	-15~55	-15~55	-15~55
	Heating °C	-25~24	-25~24	-25~24	-25~24
Stuffing Quantity	20/40/40H unit	14/28/28	11/22/22	11/22/22	11/22/22

DRV 6 Tropical Series 380~415V-50/60Hz

HP		16	18	20	22
Model		DRV-T-H450WX	DRV-T-H500WX	DRV-T-H560WX	DRV-T-H650WX
Combination	HP	16	18	20	24+14
Capacity	Cooling kW	45.0	50.4	56.0	65.2
	Cooling* kW	40.7	45.4	50.0	59.5
	Heating kW	50.0	55.5	63.0	73.0
Electric Data	Power supply V~Hz,Ph	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3
	Cooling input kW	10.87	12.44	13.90	14.61
	EER W/W	4.14	4.05	4.03	4.46
	Cooling input* kW	12.85	14.55	16.11	17.92
	EER* W/W	3.17	3.12	3.1	3.32
	Heating input kW	11.01	13.18	15.07	14.73
	COP W/W	4.54	4.21	4.18	4.96
Performance	Air Flow Volume m³/h	16000	16000	16000	12000+14000
	Sound Pressure level dB(A)	≤63	≤63	≤63	≤61
Compressor	Type	DC inverter	DC inverter	DC inverter	DC inverter
	Quantity	2	2	2	3
Fan motor	Type	DC motor	DC motor	DC motor	DC motor
	Quantity	2	2	2	3
Max. No. of Indoor Units	unit	26	30	33	36
Connection Ratio	%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net mm	1340×765×1635	1340×765×1635	1340×765×1635	990×765×1635+1340×765×1635
	Packing mm	1400×815×1805	1400×815×1805	1400×815×1805	1050×815×1805+1400×815×1805
Weight	Net kg	330	330	330	215+265
	Gross kg	345	345	345	225+280
Pipe Diameter	Liquid Side mm	15.88	15.88	15.88	15.88
	Gas Side mm	28.6	28.6	28.6	28.6
Operation Range	Cooling °C	-15~55	-15~55	-15~55	-15~52
	Heating °C	-25~24	-25~24	-25~24	-25~24
Stuffing Quantity	20/40/40H unit	11/22/22	11/22/22	11/22/22	/

Notes:

- 1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature: 35°C DB/ 24°C WB.
- 2.Cooling Capacity *: Indoor temperature 27°C DB/19°C WB; Outdoor temperature: 46.1°C DB.
- 3.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
- 4.Piping Length:Equivalent piping length: 7.5m, level difference: 0m.
- 5.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.
- 6.Anechoic chamber conversion value, measured in test room. During actual operation. These values are normally somewhat higher as a result of ambient conditions.
- 7.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
- 8.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
- 9.The above combined types are factory-recommended type. The combined type also can be combined at will.

DRV 6 Tropical Series 380~415V-50/60Hz

HP		24	26	28	30
Model		DRV-T-H680WX	DRV-T-H760WX	DRV-T-H810WX	DRV-T-H840WX
Combination	HP	10+14	8+18	8+20	10+20
Capacity	Cooling	kW	68.0	75.6	81.2
	Cooling*	kW	61.8	68.5	73.1
	Heating	kW	76.5	83.5	91.0
Electric Data	Power supply	V~,Hz,Ph	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3
	Cooling input	kW	15.40	17.79	19.25
	EER	W/W	4.42	4.25	4.22
	Cooling input*	kW	18.74	21.39	22.95
	EER*	W/W	3.30	3.20	3.18
	Heating input	kW	15.39	18.56	20.45
Performance	COP	W/W	4.97	4.50	4.45
	Air Flow Volume	m³/h	12000+14000	12000+16000	12000+16000
Sound Pressure level	dB(A)	≤61	≤63	≤63	≤63
Compressor	Type	DC inverter	DC inverter	DC inverter	DC inverter
Quantity		3	3	3	3
Fan motor	Type	DC motor	DC motor	DC motor	DC motor
Quantity		3	3	3	3
Max. No. of Indoor Units	unit	39	43	46	49
Connection Ratio	%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	990×765×1635+1340×765×1635	990×765×1635+1340×765×1635	990×765×1635+1340×765×1635
Packing	mm	1050×815×1805+1400×815×1805	1050×815×1805+1400×815×1805	1050×815×1805+1400×815×1805	1050×815×1805+1400×815×1805
Weight	Net	kg	230+265	215+330	215+330
Gross	kg	240+280	225+345	225+345	240+345
Pipe Diameter	Liquid Side	mm	15.88(5/8)	19.05(3/4)	19.05(3/4)
Gas Side	mm	28.6(9/8)	34.93(11/8)	34.93(11/8)	34.93(11/8)
Operation Range	Cooling	°C	-15~55	-15~55	-15~55
Heating	°C	-25~24	-25~24	-25~24	-25~24

DRV 6 Tropical Series 380~415V-50/60Hz

HP		32	34	36	38
Model		DRV-T-H890WX	DRV-T-H960WX	DRV-T-H1010WX	DRV-T-H1060WX
Combination	HP	12+20	14+20	16+20	18+20
Capacity	Cooling	kW	89.5	96.0	101.0
	Cooling*	kW	80.6	86.3	90.7
	Heating	kW	100.5	108.0	113.0
Electric Data	Power supply	V~,Hz,Ph	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3
	Cooling input	kW	21.53	23.16	24.77
	EER	W/W	4.16	4.15	4.08
	Cooling input*	kW	25.40	27.20	28.96
	EER*	W/W	3.17	3.17	3.13
	Heating input	kW	22.53	24.43	26.08
Performance	COP	W/W	4.46	4.42	4.33
	Air Flow Volume	m³/h	14000+16000	14000+16000	16000×2
Sound Pressure level	dB(A)	≤63	≤63	≤63	≤63
Compressor	Type	DC inverter	DC inverter	DC inverter	DC inverter
Quantity		3	4	4	4
Fan motor	Type	DC motor	DC motor	DC motor	DC motor
Quantity		4	4	4	4
Max. No. of Indoor Units	unit	53	56	59	63
Connection Ratio	%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	(1340×765×1635)×2	(1340×765×1635)×2	(1340×765×1635)×2
Packing	mm		(1400×815×1805)×2	(1400×815×1805)×2	(1400×815×1805)×2
Weight	Net	kg	265+330	265+330	330×2
Gross	kg	280+345	280+345	345×2	345×2
Pipe Diameter	Liquid Side	mm	19.05(3/4)	19.05(3/4)	19.05(3/4)
Gas Side	mm	34.93(11/8)	34.93(11/8)	41.3(13/8)	41.3(13/8)
Operation Range	Cooling	°C	-15~55	-15~55	-15~52
Heating	°C	-25~24	-25~24	-25~24	-25~24

Notes:

- 1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature: 35°C DB/ 24°C WB.
- 2.Cooling Capacity *: Indoor temperature 27°C DB/19°C WB; Outdoor temperature: 46.1°C DB.
- 3.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
- 4.Piping Length: Equivalent piping length: 7.5m, level difference: 0m.
- 5.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.
- 6.Anechoic chamber conversion value, measured in test room. During actual operation. These values are normally somewhat higher as a result of ambient conditions.
- 7.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
- 8.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
- 9.The above combined types are factory-recommended type. The combined type also can be combined at will.

DRV 6 Tropical Series 380~415V-50/60Hz

HP		40	42	44	46
Model		DRV-T-H1120WX	DRV-T-H1210WX	DRV-T-H1240WX	DRV-T-H1320WX
Combination	HP	20+20	8+14+20	10+14+20	8+18+20
Cooling	kW	112.0	121.2	124.0	131.6
Capacity	Cooling*	99.9	109.4	111.7	118.5
	Heating	126.0	136.0	139.5	146.5
Electric Data	Power supply	V~,Hz,Ph	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3
	Cooling input	kW	27.79	28.51	29.30
	EER	W/W	4.03	4.25	4.23
	Cooling input*	kW	32.23	34.04	34.86
	EER*	W/W	3.10	3.21	3.21
	Heating input	kW	30.14	29.80	30.46
	COP	W/W	4.18	4.56	4.58
Performance	Air Flow Volume	m³/h	16000×2	12000+14000+16000	12000+14000+16000
	Sound Pressure level	dB(A)	≤63	≤63	≤63
Compressor	Type		DC inverter	DC inverter	DC inverter
	Quantity		4	5	5
Fan motor	Type		DC motor	DC motor	DC motor
	Quantity		4	5	5
Max. No. of Indoor Units	unit		64	64	64
Connection Ratio	%		50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	(1340×765×1635)×2	990×765×1635+(1340×765×1635)×2	990×765×1635+(1340×765×1635)×2
	Packing	mm	(1400×815×1805)×2	1050×815×1805+(1400×815×1805)×2	1050×815×1805+(1400×815×1805)×2
Weight	Net	kg	330×2	215+265+330	230+265+330
	Gross	kg	345×2	225+280+345	240+280+345
Pipe Diameter	Liquid Side	mm	19.05(3/4)	19.05(3/4)	19.05(3/4)
	Gas Side	mm	41.3(13/8)	41.3(13/8)	41.3(13/8)
Operation Range	Cooling	°C	-15~55	-15~55	-15~55
	Heating	°C	-25~24	-25~24	-25~24

DRV 6 Tropical Series 380~415V-50/60Hz

HP		48	50	52	54
Model		DRV-T-H1370WX	DRV-T-H1400WX	DRV-T-H1450WX	DRV-T-H1520WX
Combination	HP	8+20×2	10+20×2	12+20×2	14+20×2
Cooling	kW	137.2	140.0	145.5	152.0
Capacity	Cooling*	123.0	125.3	130.6	136.3
	Heating	154.0	157.5	163.5	171.0
Electric Data	Power supply	V~,Hz,Ph	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3
	Cooling input	kW	33.14	33.93	35.42
	EER	W/W	4.14	4.13	4.11
	Cooling input*	kW	39.06	39.88	41.52
	EER*	W/W	3.15	3.14	3.14
	Heating input	kW	35.52	36.18	37.60
	COP	W/W	4.34	4.35	4.35
Performance	Air Flow Volume	m³/h	12000+16000×2	12000+16000×2	14000+16000×2
	Sound Pressure level	dB(A)	≤63	≤63	≤63
Compressor	Type		DC inverter	DC inverter	DC inverter
	Quantity		5	5	6
Fan motor	Type		DC motor	DC motor	DC motor
	Quantity		5	5	6
Max. No. of Indoor Units	unit		64	64	64
Connection Ratio	%		50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	990×765×1635+(1340×765×1635)×2	990×765×1635+(1340×765×1635)×2	(1340×765×1635)×3
	Packing	mm	1050×815×1805+(1400×815×1805)×2	1050×815×1805+(1400×815×1805)×2	(1400×815×1805)×3
Weight	Net	kg	215+330×2	230+330×2	265+330×2
	Gross	kg	225+345×2	240+345×2	280+345×2
Pipe Diameter	Liquid Side	mm	19.05(3/4)	19.05(3/4)	22.2(7/8)
	Gas Side	mm	41.3(13/8)	41.3(13/8)	47.6(15/8)
Operation Range	Cooling	°C	-15~55	-15~55	-15~52
	Heating	°C	-25~24	-25~24	-25~24

Notes:

- 1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature: 35°C DB/ 24°C WB.
- 2.Cooling Capacity *: Indoor temperature 27°C DB/19°C WB; Outdoor temperature: 46.1°C DB.
- 3.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
- 4.Piping Length:Equivalent piping length: 7.5m, level difference: 0m.
- 5.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.
- 6.Anechoic chamber conversion value, measured in test room. During actual operation. These values are normally somewhat higher as a result of ambient conditions.
- 7.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
- 8.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
- 9.The above combined types are factory-recommended type. The combined type also can be combined at will.

DRV 6 Tropical Series 380~415V-50/60Hz

HP		56	58	60	62
Model		DRV-T-H1570WX	DRV-T-H1620WX	DRV-T-H1680WX	DRV-T-H1770WX
Combination	HP	16+20×2	18+20×2	20×3	8+14+20×2
Cooling	kW	157.0	162.4	168.0	177.2
Capacity	Cooling*	140.6	145.3	149.9	159.4
Heating	kW	176.0	181.5	189.0	199.0
Power supply	V~,Hz,Ph	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3
Cooling input	kW	38.66	40.24	41.69	42.40
EER	W/W	4.06	4.04	4.03	4.18
Electric Data	Cooling input*	kW	45.07	46.78	48.34
EER*	W/W	3.12	3.11	3.10	3.18
Heating input	kW	41.16	43.33	45.22	44.87
COP	W/W	4.28	4.19	4.18	4.43
Performance	Air Flow Volume	m³/h	16000×3	16000×3	16000×3
	Sound Pressure level	dB(A)	≤63	≤63	≤63
Compressor	Type	DC inverter	DC inverter	DC inverter	DC inverter
Quantity		6	6	6	7
Fan motor	Type	DC motor	DC motor	DC motor	DC motor
Quantity		6	6	6	7
Max. No. of Indoor Units	unit	64	64	64	64
Connection Ratio	%	50~200	50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	(1340×765×1635)×3	(1340×765×1635)×3	(1340×765×1635)×3
Packing	mm		(1400×815×1805)×3	(1400×815×1805)×3	(1400×815×1805)×3
Weight	Net	kg	330×3	330×3	215+265+330×2
Gross	kg	345×3	345×3	345×3	225+280+345×2
Pipe Diameter	Liquid Side	mm	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Side	mm	47.6(15/8)	47.6(15/8)	47.6(15/8)
Operation Range	Cooling	°C	-15~55	-15~55	-15~55
Heating	°C	-25~24	-25~24	-25~24	-25~24

DRV 6 Tropical Series 380~415V-50/60Hz

HP		64	66	68
Model		DRV-T-H1800WX	DRV-T-H1880WX	DRV-T-H1930WX
Combination	HP	10+14+20×2	8+18+20×2	8+20×3
Cooling	kW	180.0	187.6	193.2
Capacity	Cooling*	161.7	168.4	173.0
Heating	kW	202.5	209.5	217.0
Power supply	V~,Hz,Ph	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3
Cooling input	kW	43.19	45.59	47.04
EER	W/W	4.17	4.12	4.11
Electric Data	Cooling input*	kW	50.97	53.62
EER*	W/W	3.17	3.14	3.13
Heating input	kW	45.53	48.70	50.59
COP	W/W	4.45	4.30	4.29
Performance	Air Flow Volume	m³/h	12000+14000+16000×2	12000+16000×3
	Sound Pressure level	dB(A)	≤63	≤63
Compressor	Type	DC inverter	DC inverter	DC inverter
Quantity		7	7	7
Fan motor	Type	DC motor	DC motor	DC motor
Quantity		7	7	7
Max. No. of Indoor Units	unit	64	64	64
Connection Ratio	%	50~200	50~200	50~200
Dimension (WxDxH)	Net	mm	990×765×1635+(1340×765×1635)×3	990×765×1635+(1340×765×1635)×3
Packing	mm		1050×815×1805+(1400×815×1805)×3	1050×815×1805+(1400×815×1805)×3
Weight	Net	kg	230+265+330×2	215+330×3
Gross	kg		240+280+345×2	225+345×3
Pipe Diameter	Liquid Side	mm	22.2(7/8)	22.2(7/8)
	Gas Side	mm	47.6(15/8)	47.6(15/8)
Operation Range	Cooling	°C	-15~55	-15~55
Heating	°C	-25~24	-25~24	-25~24

Notes:

- 1.Cooling Capacity: Indoor temperature 27°C DB/19°C WB; Outdoor temperature: 35°C DB/ 24°C WB.
- 2.Cooling Capacity *: Indoor temperature 27°C DB/19°C WB; Outdoor temperature: 46.1°C DB.
- 3.Heating Capacity: Indoor temperature 20°C DB; Outdoor temperature: 7°C DB/ 6°C WB.
- 4.Piping Length:Equivalent piping length: 7.5m, level difference: 0m.
- 5.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.
- 6.Anechoic chamber conversion value, measured in test room. During actual operation. These values are normally somewhat higher as a result of ambient conditions.
- 7.The above designs and specifications are subject to change without prior notice. Final specifications please refer to technical specification provided by sales representative.
- 8.Sound values are measured in a semi-anechoic room, at a position 1m in front of the unit and 1.3m above the floor.
- 9.The above combined types are factory-recommended type. The combined type also can be combined at will.

DRV 6 Tropical Series 380~415V-50/60Hz

HP	70	72	74	
Model	DRV-T-H1960WX	DRV-T-H2010WX	DRV-T-H2080WX	
Combination	HP	10+20×3	12+20×3	14+20×3
Capacity	Cooling kW	196.0	201.5	208.0
	Cooling* kW	175.3	180.5	186.2
	Heating kW	220.5	226.5	234.0
Electric Data	Power supply V~,Hz,Ph	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3
	Cooling input kW	47.83	49.32	50.95
	EER W/W	4.10	4.09	4.08
	Cooling input* kW	56.00	57.63	59.43
	EER* W/W	3.13	3.13	3.13
	Heating input kW	51.25	52.67	54.57
	COP W/W	4.30	4.30	4.29
Performance	Air Flow Volume m³/h	12000+16000×3	14000+16000×3	14000+16000×3
	Sound Pressure level dB(A)	≤63	≤63	≤63
Compressor	Type	DC inverter	DC inverter	DC inverter
	Quantity	7	7	8
Fan motor	Type	DC motor	DC motor	DC motor
	Quantity	7	8	8
Max. No. of Indoor Units	unit	64	64	64
Connection Ratio	%	50~200	50~200	50~200
Dimension (WxDxH)	Net mm	990×765×1635+(1340×765×1635)×3	(1340×765×1635)×4	(1340×765×1635)×4
	Packing mm	1050×815×1805+(1400×815×1805)×3	(1400×815×1805)×4	(1400×815×1805)×4
Weight	Net kg	230+330×3	265+330×3	265+330×3
	Gross kg	240+345×3	280+345×3	280+345×3
Pipe Diameter	Liquid Side mm	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Side mm	47.6(15/8)	47.6(15/8)	47.6(15/8)
Operation Range	Cooling °C	-15~55	-15~55	-15~55
	Heating °C	-25~24	-25~24	-25~24

DRV 6 Tropical Series 380~415V-50/60Hz

HP	76	78	80	
Model	DRV-T-H2130WX	DRV-T-H2180WX	DRV-T-H2240WX	
Combination	HP	16+20×3	18+20×3	20×4
Capacity	Cooling kW	213.0	218.4	224.0
	Cooling* kW	190.6	195.3	199.8
	Heating kW	239.0	244.5	252.0
Electric Data	Power supply V~,Hz,Ph	380~415, 50/60, 3	380~415, 50/60, 3	380~415, 50/60, 3
	Cooling input kW	52.56	54.13	55.58
	EER W/W	4.05	4.03	4.03
	Cooling input* kW	61.19	62.90	64.45
	EER* W/W	3.11	3.10	3.10
	Heating input kW	56.23	58.40	60.29
	COP W/W	4.25	4.19	4.18
Performance	Air Flow Volume m³/h	16000×4	16000×4	16000×4
	Sound Pressure level dB(A)	≤63	≤63	≤63
Compressor	Type	DC inverter	DC inverter	DC inverter
	Quantity	8	8	8
Fan motor	Type	DC motor	DC motor	DC motor
	Quantity	8	8	8
Max. No. of Indoor Units	unit	64	64	64
Connection Ratio	%	50~200	50~200	50~200
Dimension (WxDxH)	Net mm	(1340×765×1635)×4	(1340×765×1635)×4	(1340×765×1635)×4
	Packing mm	(1400×815×1805)×4	(1400×815×1805)×4	(1400×815×1805)×4
Weight	Net kg	330×4	330×4	330×4
	Gross kg	345×4	345×4	345×4
Pipe Diameter	Liquid Side mm	22.2(7/8)	22.2(7/8)	22.2(7/8)
	Gas Side mm	47.6(15/8)	47.6(15/8)	47.6(15/8)
Operation Range	Cooling °C	-15~55	-15~55	-15~55
	Heating °C	-25~24	-25~24	-25~24

Notes:

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

2.Cooling Capacity*: Indoor temperature 27°C DB/19°C WB; Outdoor temperature: 46.1°C DB.

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

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

5.We can guarantee the operation only within 130% Combination. If you want to connect more than 130% combination, please contact us and discuss the requirement.

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