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# T3 SERIES FULL DC INVETER CASSETTE SERIES

Kingdom of Saudi Arabia (60Hz)



# **Product Line-up**

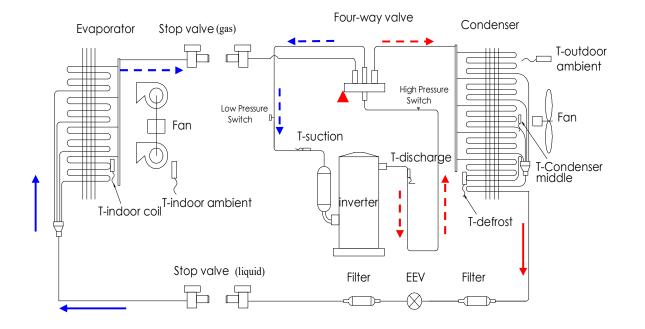
#### **Product Lineup-Cassette**

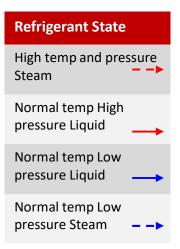




# **Cooling Cycle**

#### **Cooling Cycle**

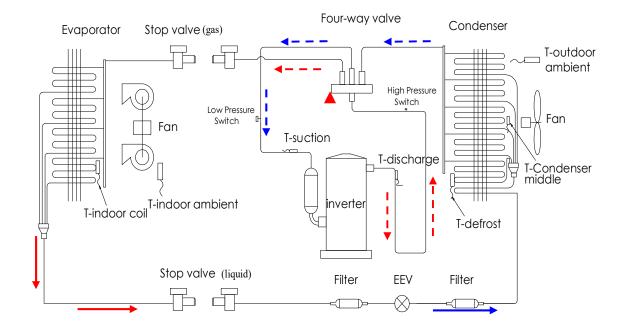


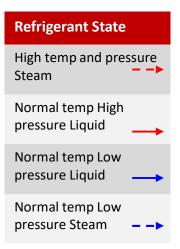




# **Heating Cycle**

#### **Heating Cycle**







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# **Outdoor Unit**

- Outdoor type Lineup
- **Outdoor type Feature**







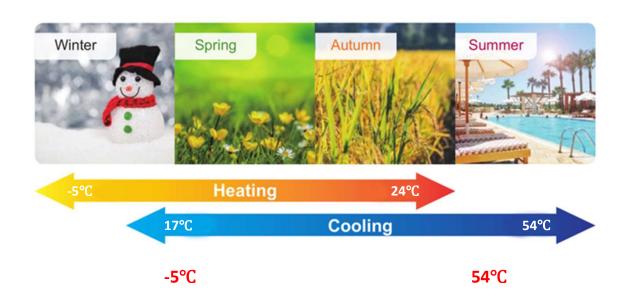
# Feature—Outdoor Unit Lineup

#### Feature—Outdoor Unit Lineup

Capacity	18/24/30/36K	42K	42K	
Power	220V,1P,50/60Hz	220V,1P,50/60Hz	380V,3P,50/60Hz	
Compressor	GMCC	HIGHLY		
Appearance	•			



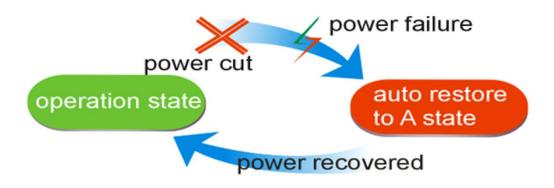
## **Wide Operation Range—Operation Range**



- Cooling range 17~54°C
- Heating range -5~24°C



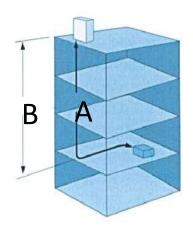
## **Wide Operation Range—Auto Restart Function**



- Recover the former operation state when power is restored
- No need restart the unit manually.



## Wide Operation Range—Long Piping

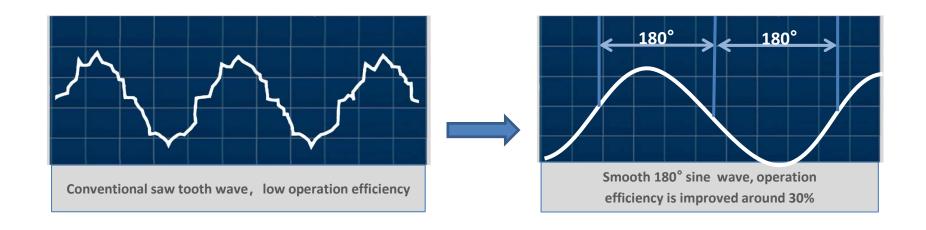


Cooling capacity (KBtu/h)	18K	24K	30K	36K	42K	
Max.piping length(m)(A)	30			50		
Max.piping height(m)(B)	20			30		

• The maximum pipe length can be **up to 50m** 



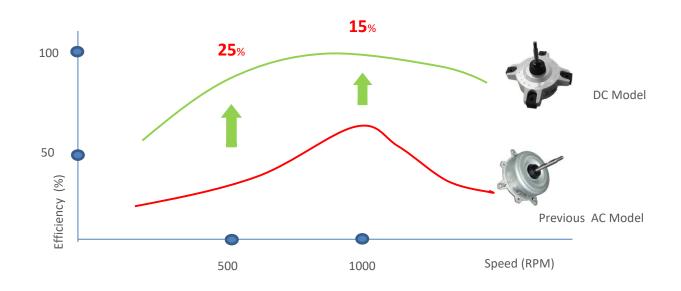
# High Efficiency—180° Sine wave technology



- Advanced 180°sine wave DC inverter technology
- More Quiet
- Compressor operate more smoothly



## **High Efficiency—More Efficiency DC model**



• DC Fan Motor is more efficient than previous AC fan motor, offering an 25% energy saving at low speed and 15% at high speed.



## **High Efficiency—Component Characteristic**







- Optimize fan blade design
- DC brushless motor
- Use muffler to reduce noise



#### **System Protection**

#### **System Protection**

- 1. Discharge temperature too high protection
- 2. Condenser temperature too high protection
- 3. High and low pressure protection
- 4. Overcurrent protection
- 5. Over temperature protection
- 6. High or low voltage protection
- 7. Compressor overloading protection
- 8. Phase sequence protection
- 9. Communication failure protection



## **System Protection—Indoor high temp protection**

#### **System Protection**



- If T ≥ 50°C Decrease the running frequency of compressor;
- If T ≥ 60°C stop compressor;
- T<41°C Quit protection



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Certification







HEATING 😜 COOLING 🚃 WATER HEATING



## Certification











- Top 3 Lab scale
- Advanced test equipment
- Standards: ESMA/ESTIDAMA/SASO/KWS



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# **Indoor Unit**

- **Cassette type Lineup**
- **Cassette type Feature**







# **Cassette Type Lineup**

Capacity	18K	24K	30K	36K	42K	42K			
Appearance									
Power	220V,1P,50/60Hz					380V,3P,50/60Hz			
Air Flow(m³/h)	1100	1500	1700	1950	1700	1950			



# **Multi-panel option**



Grille A Standard



Grille B
Option



Grille C Option



Grille D
Option

• Around Flow panel improves comfort



# **Long distance air supply**

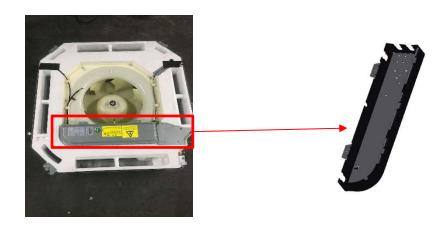
#### Long distance air supply

- Strong air volume makes it have longer air supply longer.
- Long ditance to 5 meters.





# **Security—Fireproof Electric box**

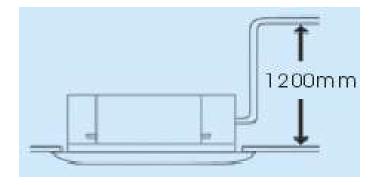


- Integrated electric control box, the E-box is safely covered by metal plate, for **better fire-resistance.**
- It is **easy to repair** the control part.



# **Built-in drainage pump**





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