[Your satisfaction is always our cherished desire!]


## Product Features

## Feature 1 Save money, save worry and reduce interference



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- Scroll compressor with high reliability The flexible scroll allows pieces and liquid to pass easily.
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- Hermetic compressor with high efficiency and low noise $20 \%$ higher than reciprocating compressors in efficiency. Low noise.
- Reliable defrost design improves running efficiency
- Indoor unit centrifugal fan is with low noise and the static pressure can be adjusted randomly.
- Adopting louver fin evaporator and condenser together to achieve high efficiency and save power.
The special treatment of outdoor heat
exchanger provides 5 to 6 times protection against the corrosion of acid rain and salt. And the antirust steel plate at the machine base adds durability.


Section view of anticorrosion heat exchanger

Hydrophilic membrane
Aluminum
Acrylic resin


Anticorrosion improvement
Anticorrosion grade

fin heat exchanger

## Feature 2 Save time, save space and save trouble

## Refrigerant pipe length, 40 m



■ Long piping
The refrigerant pipe can reach up to 40 m in length and 20 m in height difference, which reduces the limitation on the air conditioner installation by the building scale and shape.

- Simple installation design

Improve installation efficiency and shorten construction period.

## Other features

- Wide operation range

The machine can run at $-5^{\circ} \mathrm{C}$ outdoors. The heating efficiency is high.

Space saving design
Super slim design allows the air conditioner to be placed at balcony. And it occupies less space.

More convenient maintenance


The air conditioner can be widely used in hotels,
mansions, restaurants, office buildings, supermarkets, hospitals, gymnasiums and workshops and so on.


## Product Specifications

## Specialized Electric wiring

| Model |  | F32TCRRLLF32WT2 | F32TDIR(L)F32WT2 | F43TDR(L)F43WT1 | F54TDR(L)F54WT1 | F80TDRLLIF80WT1 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cooling capacity | kW | 31.1 |  | 42.2 | 53.1 | 79.1 |
| Power consumpion | kW | 11.6 |  | 17 | 21.4 | 31.8 |
| Staring current | A | 58 |  | 95 | 125 | 175 |
| Running current | A | 20.78 |  | 31.27 | 39.27 | 57.52 |
| E.ER. | WW | 2.68 |  | 2.48 | 2.48 | 2.49 |
| Heating capacity | kW | 32 | 32 | 38.5 | 57.5 | 80 |
| Power consumption | kW | 11.0 | 11.0 | 13.5 | 18.8 | 25.8 |
| Staring current | A | 58 | 58 | 95 | 125 | 175 |
| Running current | A | 20.2 | 20.2 | 25.3 | 31.75 | 38.5 |
| C.O.P. | WW | 291 | 291 | 285 | 3.06 | 3.1 |
| Refigerant pipe | $\varphi$ | $(12.719 .05) \times 2$ |  | (15.8828.6) $\times 2$ |  | (19.05132) $\times 2$ |
| Outidoor Unit |  | RF32WT2 LF32WT2 | RF32WT2 LF32WT2 | RF43WT1 LF43WT1 | RF54WT1 LF54WT1 | RF80WT1 LF80WT1 |
| Power supply | Q.V.Hz |  |  | 3.380 .50 |  |  |
| Compressoroutput | kW | 379 |  | $6.0 \times 2$ | $7.5 \times 2$ | $13.62 \times 2$ |
| Fanmotor output | kW | 0.5 |  | $0.42 \times 2$ | $0.52 \times 2$ | $1.1 \times 2$ |
| Refigerant control | R-22 | Capilany |  |  |  | Thermostice crasision vive |
| Protectionderices |  | HPLP Swich, over curentr relay, compressor intemal protector, ver-volagelow-voltaelack-phasefreverse-phase protector |  |  |  |  |
| Crankcase heater | W | $50 \times 2$ | $50 \times 2$ | $70 \times 2$ | $70 \times 2$ | $70 \times 2$ |
| Airflow rate | $\mathrm{m}^{3} / \mathrm{h}$ | 9000 |  | $9000 \times 2$ | $9900 \times 2$ | $16000 \times 2$ |
| - Wioth(packed) | mm | 1150(1250) |  | 1850(1970) |  |  |
| O Depth(packed) | mm | 478(588) |  | 920(1051) |  |  |
| 9 Height(packed) | mm | 1750(1920) |  | 987(1161) | 1190(1364) | 1597(1771) |
| Net(Gross) weight | kg | 1855(23) | 180(230) | 300(360) 200(350) | 387(447) 380(440) | 440(520) 432(512) |
| Indoor Unit |  | F32TC | F32TD | F43TD | F54TD | F80TD |
| Type |  | Freeblow | Ductype |  |  |  |
| Power supply | Q.V.-Hz | 3.380.50 |  |  |  |  |
| Fanmotor output | kW | 0.68 |  | 2.6 | 3.7 | 5.5 |
| Refigerant control | R-22 | Capilary |  |  |  | Thermositicereansion vale |
| Controlmethod |  | Microcomputer |  |  |  |  |
| Extemal static pressure | Pa | 0 | 78 | 98 |  | 147 |
| Airflow rate | $\mathrm{m}^{3} / \mathrm{h}$ | 5400 | 4500 | 9000 | 11000 | 15000 |
| $\bigcirc$ Wioth(packed) | mm | 1178(1292) |  | 1549(1643) | 1735(1859) | 2040(2065) |
| Depth(packed) | mm | 485(598) |  | 630(753) |  | 920(1034) |
| $\frac{9}{9}$ Height(packed) | mm | 1900(2022) | 1620(1812) | 1875(2042) |  | 1900(2080) |
| Net(Gross) weight | kg | 165(212) | 145(192) | 230260) | 253(286) | 274(310) |



4. This manchine con bo osed for heoting, andor its ambient temper
5. The spocifications may be modifed without prior notific cotion.
1.Electrical boxes are equipped both in indoor unit and outdoor unit. Its inner wiring is well connected and checked before shipment.
2.The field installation is completed only by connecting the connecting wires of indoor uni and outdoor unit.
3.Connect the power cord of the outdoor/indoor unit, namely three-phase powers are provided separately.
4.All electric wires shall not be bound with refrigerating pipes.
5.Connect ground wire.
6. Wiring method of power supply:
(C) (D) (H)


Note: The No-Fuse breaker or Current Leak Breaker can replace the FUSE and switch combination. Do not install when power is connected.

Specification of electrical heater(Optional)

| Model | PZRP13C | PZRP26C | PZRR29C | PZRP14C | PZRP28C | PZRP30C |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Applicable type | ${ }^{\text {P32 }}$ TC(D) | ${ }^{\text {P43 }}$ [D ${ }^{\text {d }}$ | F547D | ${ }^{\text {P32 }}$ 2 ${ }^{\text {c }}$ | ${ }^{\text {F43TB }}$ | ${ }^{\text {P5 } 4 \text { TB }}$ |
| Heating capacity(kW) | 13.5 | 26.4 | 28.8 | 14 | 28 | ${ }^{3}$ |
| Segment | e segment type two segment type two segment type one segment type two segment type two segmen |  |  |  |  |  |

Specification of hot-water coil(Optional)

| Model | PZRP24A | PZRP38A | PZRP54A | PZRP25A | PZRP40A | PZRP55A |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Applicable type | F32TC/D | P43TD | F54TD | F32TB | F43TB | F54TB |
| Heating capacity(kW) | 24 | 38 | 54 | 25 | 40 | 55 |

For details, see product manual.

## Product Installation

## Installation/Product List

## Select installation positions referring to figures.

## Such positions are not difficult for you to make a choice.

The machine set shall have enough space for maintenance and ventilation as shown in the table below:

| Model | A | B | 0 |
| :--- | :--- | :--- | :--- | :--- |
| F32TC+RF32WT2 / $\mathbf{~ F 3 2 T C + L F 3 2 W T 2 ~}$ | 2500 | 1000 | 800 |
| F32TD+RF32WT2 / F32TD+LF32WT2 | 2500 | 1000 | 800 |
| F43TD+RF43WT1 / F43TD+LF43WT1 | 1000 | 1500 | 3500 |
| F54TD+RF54WT1 / F54TD+LF54WT1 | 1000 | 1500 | 3500 |
| F80TD+RF80WT1 / F80TD+LF80WT1 | 1000 | 1500 | 3500 |



Pipe specifications

| $\mathrm{Pipe}^{\text {Model }}$ |  |  |  |  | Fsocidtarsiowty |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\stackrel{12.7}{ }$ | 2 | 2 | - | - | - |
| -15.88 | - | - | 2 | 2 | - |
| -19.05 | 2 | 2 | - | - | 2 |
| -28.6 | - | - | 2 | 2 | - |
| ${ }^{6} 2$ | - | - | - | - | 2 |

Note: Except that flare opening is applied in F28TC/RF28WT2, the rest models are constructed with welding method.

## Pipe length

| Parameter Model | Total length(m) | Hoight of fall(m) | Maximum bends |
| :---: | :---: | :---: | :---: |
| F32TC+RF32WT2 / F32TCLLF3WWT2 | Below 40 | Below 20 | Below 15 |
|  | Below 40 | Below 20 | Below 15 |
| Fastoratawt / Fa3tolicawwr | Below 40 | Below 20 | Below 15 |
|  | Below 40 | Below 20 | Below 15 |
|  | Below 40 | Below 20 | Below 15 |

For good performance of machine set, pay attention to the following at installation: Install corresponding liquid upper loop and oil receiver for system connecting pipes by referring the installation position of indoor unit and outdoor unit.

## Plenum <br> Plenum is an option for a change from ducted type to free blow type.

## Field piping What you have to do is really simple

The configuration and installation of all pipes in the machine set has been completed in factory before shipment. And the refrigerant is filled at a fixed amount in the outdoor unit. For field installation, connect the connecting pipes of indoor unit and outdoor unit by referring to the figures as below.

Outdoor unit at lower position

outdoor unit for avoiding damage to machine.

Outdoor unit at higher position


## Product List

## Heat pump/Cooling only F32TC(D)+RF32WT2/F32TC(D)+LF32WT2



Heat pump/Cooling only F43TD+RF43WT1/F43TD+LF43WT1


## Heat pump/cooling only F80TD+RF80WT1/F80TD+LF80WT1

## Heat pump mode <br> Cooling capacity: 79.1 kw <br> Heating capacity: 80kw <br> Cooling only model Cooling capacity: 79.1kw <br> 1) Refrigerant pipe(liquid tube) $\Phi 19.05$ 2)Refrigerant pipe(air tube) $₫ 32$ Indoor unit <br> (1) Top drain hole... 18 <br> (3) Power supply wiring hole..... $\varnothing 5$ <br> (4) Refrigerant pipe hole.... $\varnothing 52$ <br> (5) $330^{\circ} 170$ punch hole (for fresh air) <br> 

Outdoor unit


