

HVAC SUPPLIER & MANUFACTURER

Now, with units we manufacture, you can have less noise and save more energy!

GREEN CLIMATE GROUP

BROCHURE



GREEN CLIMATE
GROUP

GET IN TOUCH!

AC Penguin Prestige is a fully licensed & insured business that provides a comprehensive range of HVAC services for residential and commercial heating & cooling systems.
We have been in this industry for more than 15 years.

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ABOUT US

CONTACT US

for a quote or a 24/7 Emergency Service

Let us help you with your Commercial and Residential HVAC needs

Serving NYC & Its Surrounding Areas For Over 15 Years With Quality HVAC Services

AC Penguin Prestige Heating & Cooling is a New York City based residential and commercial heating and air conditioning company that has been building and servicing extraordinary systems for more than 15 years.

We provide service to the greater New York City Metro and surrounding areas. Our expert heating repair technicians can take care of any heat or hot water emergency you may have.

We will make sure that your heating and cooling systems are functioning properly and running at peak efficiency. Our repair expertise includes all makes, models and types of heaters and furnaces, oil, gas, propane and coal, electric, geothermal you name it. It doesn't matter if your system is old or new, if you are looking for routine maintenance or if you're in need of a major heating repair, we are here to help!

CHOOSE US

We have over 15 years of Experience with us





- ◆ We have the best Professional Technicians 
- ◆ High-Quality Workmanship 
- ◆ Affordable Pricing 
- ◆ Award-Winning Service 

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MULTI PORT HEAT PUMP w/INTERIOR DUCTLESS WALL UNITS YB SERIES

- Indoor: 9000, 12000, 18000, 24000 Btuh
- paired with-
- Outdoor: 27000, 36,000, 48000 (3/4/5 ports)

Refrigerant: R410A
Power Supply: 208-230 V/10 60hz



YBI INDOOR

9000, 12000 & 24000 Btuh indoor ductlets wall units, mix and match with your selected outdoor unit

| MODEL# | Hi/Med/Lo cfm | dBAHi/Lo | Dimensions | Weight |
|-------------|---------------|-----------|-------------------------------------|----------------|
| YBI- 09HRN1 | 264/205/141 | 39/24.5 | 31.57"x7.44"x11.69"(802x189x297mm) | 18lb /8.2kg |
| YBI- 12HRN1 | 306/212/306 | 39/25 | 31.57"x17.44"x11.69"(802x189x297mm) | 18lb /8.2kg |
| YBI- 18HRN1 | 559/365/306 | 45.6/34.5 | 42.52"x8.94"x13.19"(1080x226x335mm) | 29.1lb /13.2kg |
| YBI- 24HRN1 | 618/471/324 | 50/35.5 | 42.52"x8.94"x13.19"(1080x226x335mm) | 29.1lb /13.2kg |

YBO OUTDOOR

3 outdoor models, 27000 Btuh(3 ports), 36000 Btuh (4 ports) or 48000 (5 ports)

| MODEL# | Cooling | @47° | @17° | @5° | SEER | EER | HSPF5 | dBA | Ports |
|-------------|---------|-------|-------|-------|------|------|-------|------|-------|
| YBO- 27HRN1 | 27000 | 28000 | 17200 | 21900 | 23 | 12.5 | 8.5 | 63.4 | 3 |
| YBO- 36HRN1 | 36000 | 36000 | 23000 | 2800 | 22.5 | 11.5 | 8.7 | 62.3 | 4 |
| YBO- 48HRN1 | 48000 | 48000 | 29600 | 34900 | 22.4 | 12.5 | 8.3 | 64 | 5 |

| MODEL# | Max Fuse | MCA | Fan RLA | AirFlow | Fan Speed RPM |
|-------------|----------|-----|---------|------------------|--|
| YBO- 27HRN1 | 35 | 25 | 0.9A | 2130 cfm/3619m3h | 150/200/250/300/400/500/600/750/900/1000 |
| YBO- 36HRN1 | 45 | 30 | 1.3A | 2130 cfm/3619m3h | 150/200/250/300/400/500/600/750/900/1000 |
| YBO- 48HRN1 | 50 | 35 | 0.39A | 4500 cfm/7646m3h | 150/200/250/300/400/500/600/700/800/850 |

| MODEL# | Compressor | Weight | Dimensions | Pipe Sizes |
|-------------|------------|------------------|--------------------------------------|---------------------------|
| YBO- 27HRN1 | Rotary | 149.9lb/68Kg | 37.24"x16.14"x31.89"(946x410x810mm) | 3(1/4"), 3(3/8") |
| YBO- 36HRN1 | Rotary | 156.53lb/71Kg | 37.24"x16.14"x31.89"(946x410x810mm) | 4(1/4"), 3(3/8"), 1(1/2") |
| YBO- 48HRN1 | (2) Rotary | 223.77lb/101.5Kg | 37.24"x16.14"x52.48"(946x410x1333mm) | 5(1/4"), 3(3/8"), 2(1/2") |

| Line Sets | YBO-27HRN1 | YBO-36HRN1 | YBO-48HRN1 |
|------------------------------|------------|------------|------------|
| Max Length All Rooms | 148'/45mm | 197'/60mm | 246'/75mm |
| Max Length One Indoor Unit | 98'/30mm | 115'/35mm | 115'/35mm |
| Max Height Difference IU/ OU | 49'/15mm | 49'/15mm | 49'/15mm |
| Max Height Difference IU/ IU | 33'/10mm | 33'/10mm | 33'/10mm |

| Ambien Temperature Operating Range | YPO Outdoor Unit | YPI Indoor Unit |
|------------------------------------|----------------------|-------------------|
| cooling/heating ° F | -13F-122F / -13F-86F | 62F-90F / 32F-86F |
| cooling/heating ° C | -25C-50C / -25C-30C | 17C-32C / 0C-30C |





VRV SERIES

Heat Pump: 60Hz

Along higher quality building environment and more sophisticated building function, there is now a greater demand for system expansion for a flexible air-conditioning system capable of finer air-conditioning, thus increasing importance of individual air-conditioning systems. On the other hand, due to social significance of environmental and energy problems, elements such as energy-efficiency and low maintenance are still strongly desired.

AC Penguin has now enhanced the R-410A with the Inverter that features an upgraded capacity of up to 48 horsepower to further refine all the features of the current VRV system. We hope this information will serve to deepen your understanding of the system, and will help you to efficiently develop its highly evolved characteristics.

MODEL NAME OF OUTDOOR UNITS

SERIES

MODEL NAME

| Capacity Range | | 10HP | 12HP | 14HP | 16HP | 18HP | POWER SUPPLY |
|----------------|-----|------|--------|------|------|--------|--------------|
| | | 28KW | 33.5KW | 40KW | 45KW | 50.4KW | |
| Heat Pump | RUQ | | | | | | VE |
| | | 10AB | 12AB | 14AB | 16AB | 18AB | Y1 |

EXTERNAL APPEARANCE OF OUTDOOR UNITS

RUQ10AB, 12AB, 14AB, 16AB Outdoor Unit



10, 12, 14, 16HP

28~45KW

RUQ18AB Outdoor Unit



18HP

50.4KW

SPECIFICATIONS OF OUTDOOR UNITS

FEATURES MAIN FEATURES

What is Heat Recovery Air Conditioner?

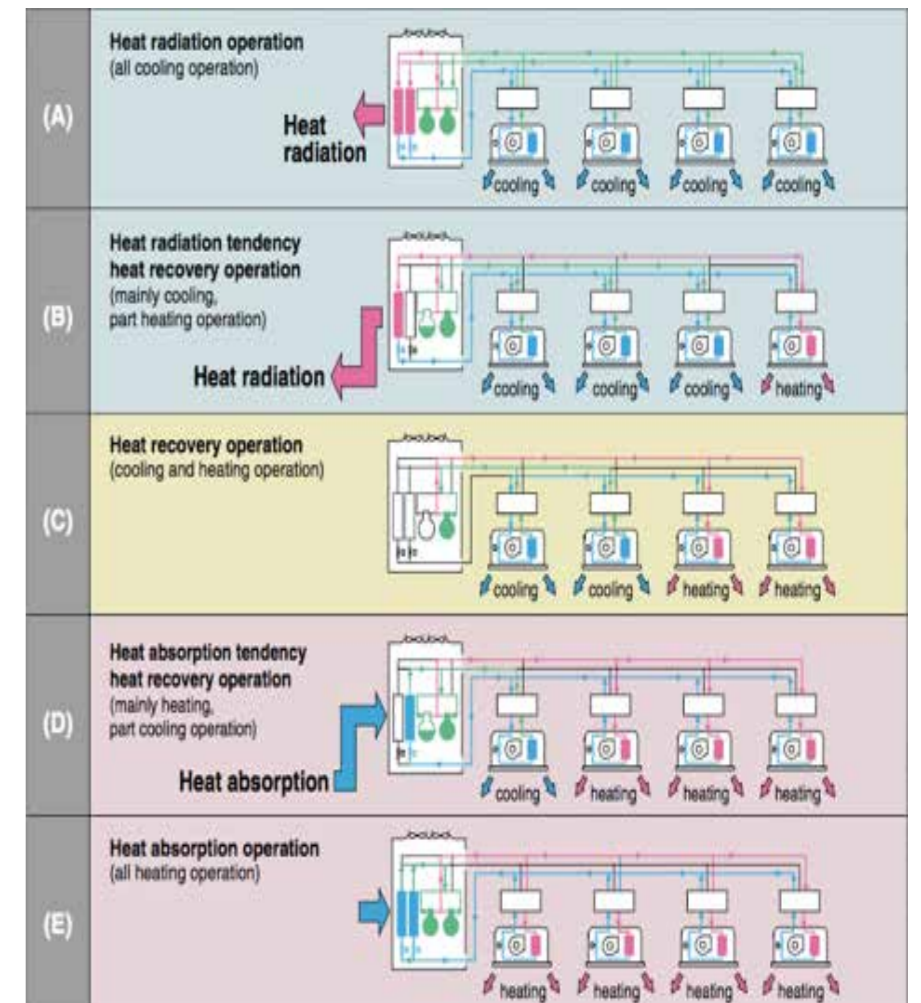
Modern office buildings are highly airtight and subject to an increasing heat load due to the use of computers, lighting equipment and other office equipment. In these buildings some rooms may require artificial cooling even in winter, depending on the amount of sunshine received and the number of people in the room. In order to meet such requirements the Heat Recovery Series enables the simultaneous operation of cooling and heating by controlling the BS unit that switches cooling and heating. This series also substantially improves energy efficiency by recycling exhaust heat.

OUTDOOR UNITS:

Introducing outdoor units that are newly designed for both single and multiple use respectively. The units contain new heat exchangers and have been configured to maximise capabilities of each of the single and multiple outdoor units.

| MODEL | RUQ10AB | RUQ12AB | RUQ14AB | RUQ16AB | RUQ18AB |
|-------|---------|---------|---------|---------|---------|
|-------|---------|---------|---------|---------|---------|

| POWER SUPPLY | 3phases 220-240v 60Hz | 3phases 220-240v 60Hz | 3phases 220-240v 60Hz | 3phases 220-240v 60Hz | 3phases 220-240v 60Hz |
|--------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|---------------------------------------|
| COOLING CAPACITY | 28kw | 33.5kw | 40kw | 45kw | 50.4kw |
| HEATING CAPACITY | 31.5kw | 36.5kw | 45kw | 50kw | 56.4kw |
| POWER CONSUMPTION | 7.8kw/ 7.5kw | 10.1kw/ 9.85kw | 12.4kw/ 11.3kw | 14.2kw/ 12.9kw | 12.8kw/ 12.5kw |
| DIMENSION: (H*W*D) | 1680*930* 765(mm) | 1680*1240* 765(mm) | 1680*1240* 765(mm) | 1680*1240* 765(mm) | 1680*930*7 65+1680*93 0*765(mm) |
| AIRFLOW RATE | 233m3/min | 256m3/min | 273m3/min | 298m3/min | 365m3/min |
| OPERATIONAL SOUND | 58dB(A) | 60dB(A) | 65dB(A) | 70dB(A) | 78.4dB(A) |
| WEIGHT | 295kg | 329kg | 345kg | 367kg | 454kg |
| DIMENSION OF AIR TUBE | 25.4mm | 25.4mm | 25.4mm | 25.4mm | 28.6mm |
| DIMENSION OF LIQUID TUBE | 12.7mm | 12.7mm | 12.7mm | 12.7mm | 15.9mm |
| REFRIGERANT (KG) | R410A(9.5) | R410A(11) | R410A(13.5) | R410A(15) | R410A(17.1) |



EXTERNAL APPEARANCE OF INDOOR UNITS



SPECIFICATIONS OF INDOOR UNITS

| MODEL | FDP 25Q VC | FDP 25Q VC | FDP 25Q VC | FDP 25Q VC | FDP 25Q VC | FDP 25Q VC | FDP 25Q VC | FDP 25Q VC | FDP 25Q VC |
|--------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| POWER SUPPLY | 1phase, 220-240v, 60Hz | 1phase, 220-240v, 60Hz | 1phase, 220-240v, 60Hz | 1phase, 220-240v, 60Hz | 1phase, 220-240v, 60Hz | 1phase, 220-240v, 60Hz | 1phase, 220-240v, 60Hz | 1phase, 220-240v, 60Hz | 1phase, 220-240v, 60Hz |
| COOLING CAPACITY | 2.5kw | 3.6kw | 5.0kw | 6.3k | 7.1kw | 9.0kw | 10kw | 12.5kw | 15kw |
| HEATING CAPACITY | 2.8kw | 4.0kw | 5.6kw | 7.1kw | 8kw | 10kw | 11.2kw | 14kw | 17kw |
| POWER CONSUMPTION | 72w/56w | 78w/62w | 100w/82w | 123w/104wt | 135w/110w | 140w/120w | 188w/168w | 248w/228w | 355w/335w |
| DIMENSION: (H*W*D) | 200*700*450(mm) | 200*700*450(mm) | 200*900*450(mm) | 200*1000*450(mm) | 200*1000*450(mm) | 200*1610*560(mm) | 200*1610*560(mm) | 250*1400*700(mm) | 250*1400*700(mm) |
| WEIGHT | 17kg | 17kg | 20kg | 23kg | 23kg | 37kg | 40kg | 42kg | 42kg |
| DIMENSION OF AIR TUBE | 12.7mm | 12.7mm | 12.7mm | 15.9mm | 15.9mm | 15.9mm | 15.9mm | 15.9mm | 15.9mm |
| DIMENSION OF LIQUID TUBE | 6.4mm | 6.4mm | 6.4mm | 9.5mm | 9.5mm | 9.5mm | 9.5mm | 9.5mm | 9.5mm |
| REFRIGERANT | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A |

CONTROL SYSTEMS

INDIVIDUAL CONTROL SYSTEM

Wired remote controller (Optional)

Easier to read because LCD screen is larger.

Digital display lets you set temperature in 1 C units.

Lets you individually programme by timer the respective times for operation start and stop within a maximum of 72 hours.

Equipped with a thermostat sensor in the remote controller that makes possible more comfortable room temperature control.

Enables you to select cool/heat/fan operation mode with the indoor remote controller of your choice without using the cool/heat selector. (dependant on system)

Equipped with self-diagnosis function that constantly monitors the system for malfunctions. Should a problem occur, the system alerts you of the problem through an alphanumeric code.

Lets you carry out various field settings by remote controller.

Enables you to select the ventilation mode and the volume of the HRV (when connected to a VAM).

The rubber switch and the oil-resisting resin casing havebeen adopted for durability.



HEAT PUMP WITH INTERIOR DUCTLESS UNITS

- ☑ Indoor: 27000, 36000, 45000, 54000, 72000 Btuh
- paired with-
- ☑ Outdoor: 27000, 36000, 45000, 54000, 72000 Btuh

Refrigerant: R410A
Power Supply: 220 V 1 ϕ 60hz
 220v 3 ϕ 60hz

INDOOR

27000, 36000, 45000, 54000 & 72000 Btuh indoor ductless units, mix and match with your selected outdoor unit.

| MODEL# | Hi/Med/Lo cfm | dB A Hi/Lo | Dimensions | Weight |
|-----------|----------------|------------|-----------------------------------|---------------|
| FDP71QVC | 671/530/406 | 36/32 | 17.7"×19.7"×35.4"(450×500×900mm) | 99.2lb /45kg |
| FDP100QVC | 989/919/777 | 43/37 | 17.7"×19.7"×37.4"(450×500×950mm) | 105.8lb /48kg |
| FDP125QVC | 1342/1130/989 | 46/41 | 17.7"×19.7"×41.3"(450×500×1050mm) | 121.3lb /55kg |
| FDP150QVC | 1484/1236/989 | 51/46 | 29.5"×29.5"×51.2"(750×750×1300mm) | 127.9lb /58kg |
| FDP200QVC | 2128/1896/1342 | 54/48 | 29.5"×29.5"×51.2"(750×750×1300mm) | 143.3lb /65kg |

| MODEL# | Cooling(Btu) | Heating(Btu) | MFA(A) | MCA(A) | SEER |
|-----------|--------------|--------------|--------|--------|------|
| FDP71QVC | 30000 | 32000 | 15 | 1.2 | 25 |
| FDP100QVC | 36000 | 41000 | 15 | 1.5 | 24 |
| FDP125QVC | 45000 | 51000 | 15 | 2.0 | 24 |
| FDP150QVC | 54000 | 62000 | 15 | 2.2 | 23 |
| FDP200QVC | 72000 | 81000 | 15 | 2. | 23 |

OUTDOOR

| MODEL# | Cooling(Btu) | Heating(Btu) | SEER | DBA | Dimensions | Weight |
|--------|--------------|--------------|------|-----|------------------------------------|----------------|
| RUQ3AB | 30000 | 32000 | 25 | 50 | 36.6"×13.4"×28.3"(930×340×720mm) | 121.3lb /55kg |
| RUQ4AB | 36000 | 41000 | 24 | 51 | 36.6"×13.4"×35"(930×340×890mm) | 132.3lb /60kg |
| RUQ5AB | 45000 | 51000 | 24 | 53 | 39"×15"×35.4"(990×380×900mm) | 183lb /83kg |
| RUQ6AB | 54000 | 62000 | 23 | 53 | 40.6"×16.1"×51.2"(1030×410×1300mm) | 194lb /88kg |
| RUQ8AB | 72000 | 81000 | 23 | 56 | 39"×32.7"×69.3"(990×830×1760mm) | 396.9lb /180kg |

| MODEL# | AirFlow | Pipe Sizes |
|--------|--------------------------------|----------------------|
| RUQ3AB | 2714cfm/76m ³ /min | 9.5(3/8"),15.9(5/8") |
| RUQ4AB | 2714cfm/76m ³ /min | 9.5(3/8"),15.9(5/8") |
| RUQ5AB | 2714cfm/76m ³ /min | 9.5(3/8"),15.9(5/8") |
| RUQ6AB | 3786cfm/106m ³ /min | 9.5(3/8"),19.1(3/4") |
| RUQ8AB | 5000cfm/140m ³ /min | 9.5(3/8"),19.1(3/4") |

WE HAVE THE BEST UNITS



INTERIOR DUCT UNITS



☑ Indoor: Indoor:9000,12000,18000, 24000,30000 Btuh

Refrigerant: R410A
Power Supply: 220v 1Φ 60hzz



MULTI PORT HEAT PUMP

☑ Outdoor: 8ton,9.5ton,11ton,12ton, 24ton,36ton

Refrigerant: R410A
Power Supply: 220v 3Φ 60Hz

8ton,9.5ton,11ton&12ton, 24ton,36ton outdoor unit

9000,12000,18000,24000&30000 Btuh indoor duct units,mix and match with your selected outdoor unit

| MODEL# | Hi/Med/Lo cfm | dBAHi/Lo | Dimensions | Weight |
|----------|---------------|----------|-----------------------------------|--------------|
| FDP25QVC | 308/268/230 | 31/27 | 7.87*27.56*17.52*(200*700*450mm) | 37.5lb /17kg |
| FDP36QVC | 325/290/254 | 32/28 | 7.87*27.56*17.52*(200*700*450mm) | 37.5lb /17kg |
| FDP50QVC | 530/459/371 | 35/31 | 7.87*35.43*17.52*(200*900*450mm) | 44lb /20kg |
| FDP63QVC | 671/530/406 | 36/32 | 7.87*43.31*17.52*(200*1100*450mm) | 51lb /23kg |
| FDP71QVC | 671/530/406 | 36/32 | 7.87*43.31*17.52*(200*1100*450mm) | 51lb /23kg |

| MODEL# | Cooling(Btu) | Heating(Btu) | SEER | DBA | MCA(A) | MFA(A) |
|---------|--------------|--------------|------|-----|--------|--------|
| RUQ12AB | 125000 | 135000 | 28 | 60 | 22.7 | 25 |
| RUQ14AB | 145000 | 165000 | 27 | 60 | 26 | 30 |
| RUQ16AB | 165000 | 180000 | 27 | 60 | 26 | 30 |
| RUQ18AB | 185000 | 210000 | 25 | 61 | 40.8 | 45 |
| RUQ36AB | 365000 | 410000 | 25 | 64 | 67.2 | 80 |
| RUQ54AB | 560000 | 620000 | 25 | 66 | 86 | 100 |

| MODEL# | Cooling(Btu) | Heating(Btu) | MFA(A) | MCA(A) | SEER |
|----------|--------------|--------------|--------|--------|------|
| FDP25QVC | 9000 | 11000 | 15 | 0.7 | 23 |
| FDP36QVC | 12000 | 15000 | 15 | 0.7 | 23 |
| FDP50QVC | 18000 | 21000 | 15 | 1.1 | 25 |
| FDP63QVC | 24000 | 26000 | 15 | 1.2 | 25 |
| FDP71QVC | 30000 | 32000 | 15 | 1.2 | 25 |

| MODEL# | Dimensions | Weight | AirFlow | Pipe Sizes |
|---------|---------------------------------------|-----------------|--------------------------------|--------------------------|
| RUQ12AB | 66.2*48.9*30.2*(1680*1240*765mm) | 612.9lb /278kg | 8228cfm/233m ³ min | 12.7(1/2"), 25.4(1") |
| RUQ14AB | 66.2*48.9*30.2*(1680*1240*765mm) | 617.3lb /280kg | 8228cfm/233m ³ min | 12.7(1/2"), 25.4(1") |
| RUQ16AB | 66.2*48.9*30.2*(1680*1240*765mm) | 617.3lb /280kg | 8228cfm/233m ³ min | 12.7(1/2"), 28.6(1-1/8") |
| RUQ18AB | 66.2*48.9*30.2*(1680*1240*765mm) | 628.4lb /285kg | 9888cfm/280m ³ min | 15.9(5/8"), 28.6(1-1/8") |
| RUQ36AB | (66.2*48.9*30.2)*2(1680*1240*765mm)*2 | 1256.7lb /570kg | 19775cfm/560m ³ min | 19.1(3/4"), 38.1(1-1/2") |
| RUQ54AB | (66.2*48.9*30.2)*3(1680*1240*765mm)*3 | 1885lb /855kg | 29661cfm/840m ³ min | 19.1(3/4"), 41.3(1-5/8") |

MULTI PORT HEAT PUMP

Outdoor: 5.5ton,7ton

Refrigerant: R410A
Power Supply: 220v 3Φ 60Hz



5.5ton&7ton outdoor unit

| MODEL# | Cooling(Btu) | Heating(Btu) | SEER | DBA | MCA(A) | MFA(A) |
|---------|--------------|--------------|------|-----|--------|--------|
| RUQ8AB | 81000 | 90000 | 28 | 57 | 18.5 | 25 |
| RUQ10AB | 105000 | 115000 | 28 | 58 | 22.3 | 25 |

| MODEL# | Dimensions | Weight | AirFlow | Pipe Sizes |
|---------|------------------------------------|----------------|-------------------------------|-----------------------|
| RUQ8AB | 66.2"×36.7"×30.2"(1680×930×765mm) | 430lb /195kg | 6356cfm/180m ³ min | 9.5(3/8"), 19.1(3/4") |
| RUQ10AB | 66.2"×48.9"×30.2"(1680×1240×765mm) | 612.9lb /278kg | 8228cfm/233m ³ min | 9.5(3/8"), 22.2(7/8") |

INTERIOR DUCT UNITS



33000, 36000, 41000, 45000&54000Btuh indoor duct units, mix and match with your selected outdoor unit

Indoor: 33000, 36000, 41000, 45000&54000Btuh

Refrigerant: R410A
Power Supply: 220v 1Φ 60hz



INTERIOR FLOOR STANDING UNITS

Indoor: 18000, 27000,45000 Btuh

Refrigerant: R410A
Power Supply: 220v 1Φ 60hz

18000, 27000,45000 Btuh indoor floor standing units,mix and match with your selected outdoor unit

| MODEL# | Cooling(Btu) | Heating(Btu) | MFA(A) | MCA(A) | SEER |
|----------|--------------|--------------|--------|--------|------|
| FDP25QVC | 9000 | 11000 | 15 | 0.7 | 23 |
| FDP36QVC | 12000 | 15000 | 15 | 0.7 | 23 |
| FDP50QVC | 18000 | 21000 | 15 | 1.1 | 25 |
| FDP63QVC | 24000 | 26000 | 15 | 1.2 | 25 |
| FDP71QVC | 30000 | 32000 | 15 | 1.2 | 25 |

| MODEL# | Cooling(Btu) | Heating(Btu) | MFA(A) | MCA(A) | SEER |
|----------|--------------|--------------|--------|--------|------|
| FDP25QVC | 9000 | 11000 | 15 | 0.7 | 23 |
| FDP36QVC | 12000 | 15000 | 15 | 0.7 | 23 |
| FDP50QVC | 18000 | 21000 | 15 | 1.1 | 25 |
| FDP63QVC | 24000 | 26000 | 15 | 1.2 | 25 |
| FDP71QVC | 30000 | 32000 | 15 | 1.2 | 25 |

| MODEL# | Hi/Med/Lo cfm | dBAHi/Lo | Dimensions | Weight |
|-----------|---------------|----------|-------------------------------------|---------------|
| FDP90QVC | 954/883/760 | 43/37 | 11.81"×55.12"×31.5"(300×1400×800mm) | 112.5lb /51kg |
| FDP100QVC | 989/919/777 | 43/37 | 11.81"×55.12"×31.5"(300×1400×800mm) | 112.5lb /51kg |
| FDP112QVC | 989/919/777 | 43/37 | 11.81"×55.12"×31.5"(300×1400×800mm) | 112.5lb /51kg |
| FDP125QVC | 1342/1130/989 | 46/41 | 11.81"×55.12"×31.5"(300×1400×800mm) | 114.7lb /52kg |
| FDP150QVC | 1484/1236/989 | 51/4 | 11.81"×55.12"×31.5"(300×1400×800mm) | 114.7lb /52kg |

| MODEL# | Cooling(Btu) | Heating(Btu) | MFA(A) | MCA(A) | SEER |
|-----------|--------------|--------------|--------|--------|------|
| FDP90QVC | 33000 | 36000 | 15 | 1.4 | 24 |
| FDP100QVC | 36000 | 41000 | 15 | 1.5 | 23 |
| FDP112QVC | 41000 | 45000 | 15 | 1.5 | 23 |
| FDP125QVC | 45000 | 51000 | 15 | 2.0 | 23 |
| FDP150QVC | 54000 | 62000 | 15 | 2.2 | 23 |



INTERIOR CEILING CASSETTE UNITS

☑ Indoor: 12000, 18000, 24000, 30000, 36000, 45000&54000Btuh

Refrigerant: R410A
Power Supply: 220v 1Φ 60hz

12000, 18000, 24000, 30000, 36000, 45000&54000Btuh indoor ceiling cassette units, mix and match with your selected outdoor unit.

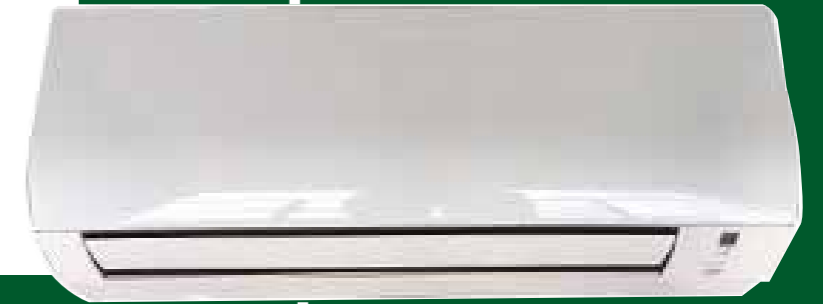
| MODEL# | Hi/Med/Lo cfm | dBAHi/Lo | Dimensions | Weight |
|-----------|---------------|----------|-------------------------------------|----------------|
| FDP36QVC | 442/382/318 | 30/25 | 8.03"×33.07"×33.07"(204×840×840mm) | 56.2lb /25.5kg |
| FDP50QVC | 544/452/360 | 33/27 | 8.03"×33.07"×33.07"(204×840×840mm) | 58.4lb /26.5kg |
| FDP63QVC | 552/468/371 | 33/27 | 8.03"×33.07"×33.07"(204×840×840mm) | 58.4lb /26.5kg |
| FDP71QVC | 569/480/389 | 34/28 | 8.03"×33.07"×33.07"(204×840×840mm) | 58.4lb /26.5kg |
| FDP100QVC | 897/745/594 | 41/33 | 9.69"×33.07"×33.07"(246×840×840mm) | 65.1lb /29.5kg |
| FDP125QVC | 1060/883/707 | 44/34 | 11.34"×33.07"×33.07"(286×840×840mm) | 69.5lb /31.5kg |
| FDP140QVC | 1060/883/707 | 44/34 | 11.34"×33.07"×33.07"(286×840×840mm) | 69.5lb /31.5kg |

| MODEL# | Cooling(Btu) | Heating(Btu) | MFA(A) | MCA(A) | SEER |
|-----------|--------------|--------------|--------|--------|------|
| FDP36QVC | 13000 | 14500 | 16 | 0.4 | 23 |
| FDP50QVC | 18000 | 21000 | 16 | 0.5 | 23 |
| FDP63QVC | 23000 | 26000 | 16 | 0.5 | 24 |
| FDP71QVC | 26000 | 29000 | 16 | 0.6 | 25 |
| FDP100QVC | 36000 | 41000 | 16 | 1.1 | 25 |
| FDP125QVC | 45000 | 51000 | 16 | 1.5 | 24 |
| FDP140QVC | 51000 | 58000 | 16 | 1.5 | 23 |

INTERIOR WALL UNITS

☑ Indoor: 9000, 12000, 18000, 24000&30000Btuh

Refrigerant: R410A
Power Supply: 220v 1Φ 60hz



9000, 12000, 18000, 24000&30000Btuh indoor wall units, mix and match with your selected outdoor unit

| MODEL# | Hi/Med/Lo cfm | dBAHi/Lo | Dimensions | Weight |
|----------|---------------|----------|---------------------------------|--------------|
| KFR-25GW | 339/329/308 | 38/22 | 11.2"×31.7"×8.7"(283×806×220mm) | 19.8lb /9kg |
| KFR-35GW | 353/337/317 | 39/23 | 11.2"×31.7"×8.7"(283×806×220mm) | 19.8lb /9kg |
| KFR-50GW | 520/445/382 | 41/29 | 11.6"×31.5"×8.6"(295×800×218mm) | 24.3lb /11kg |
| KFR-63GW | 687/661/635 | 44/30 | 11.6"×39"×10.5"(295×990×266mm) | 41.9lb /19kg |
| KFR-71GW | 687/661/635 | 44/30 | 11.6"×39"×10.5"(295×990×266mm) | 41.9lb /19kg |

| MODEL# | Cooling(Btu) | Heating(Btu) | MFA(A) | MCA(A) | SEER |
|----------|--------------|--------------|--------|--------|------|
| KFR-25GW | 9000 | 14500 | 15 | 0.7 | 23 |
| KFR-35GW | 12000 | 21000 | 15 | 0.7 | 23 |
| KFR-50GW | 18000 | 26000 | 15 | 1.1 | 24 |
| KFR-63GW | 24000 | 29000 | 15 | 1.2 | 24 |
| KFR-71GW | 30000 | 41000 | 15 | 1.2 | 25 |
| | | 51000 | | | |
| | | 58000 | | | |

WATER CHILLER



**140000 Btuh
WATER CHILLER**

Water Chiller:140000 Btu

Refrigerant: R410A
Power Supply: 220v 1Φ 60hz

| | |
|--|---------------|
| MODEL | LRS-350 |
| COOLING CAPACITY | 35000W |
| HEATING CAPACITY | 37000W |
| RATED INPUT POWER/CURRENT | 8300W/16.3A |
| MAX.INPUT POWER/CURRENT | 10100W/18.6A |
| POWER | 220V/1N~/60Hz |
| HOT WATTER SUPPLY | 900L/h |
| ELECTRIC SHOCK PROTECTION | I |
| WATERPROOF GRADE | IPX4 |
| WORKONG PRESSURE OF INTAKE-SIDE | 1.6MPa |
| WORKONG PRESSURE VENT-SIDE | 4.0MPa |
| WORKONG PRESSURE OF TANK | 0MPa |
| MAX WORKONG PRESSURE OF HEAT EXCHANGER | 4.5MPa |
| REFRIGERATION | R410A |
| NOISE | ≤65dB(A) |
| NET WEIGHT | 300kg |

SINGLE PORT 4-TON HEAT PUMP W/Interior Concealed Duct Unit



ACP-MDOC-48HRN1
-and-
ACPDF-48HRN1

Electrical Requirements

| | |
|---------------------------|------------------|
| Power Supply: | 208-230v 1p 60hz |
| Max Fuse: | 50 A |
| Minimum Circuit Ampacity: | 35 A |

Refrigerant: R410A

Piping

| | |
|-------------------------|--------------|
| Pipe Size Liquid/Gas | 3/8"/5/8" |
| Max Pipe Length | 9.52/15.9 mm |
| Max Difference in Level | 213'/65m |
| | 98'/30m |

Efficiency Outdoor Unit

| | |
|-------|------|
| SEER | 22.4 |
| EER | 12.5 |
| HSPF4 | 10.2 |
| HSPF5 | 8.3 |

Efficiency Outdoor Unit

| | |
|-------|------|
| SEER | 17.4 |
| EER | 8.9 |
| HSPF4 | 10.3 |
| HSPF5 | 8.8 |

Outdoor Unit

| | |
|----------------|--|
| Cooling | 48000 Btuh |
| Heating at 47° | 49500 Btuh |
| Heating at 17° | 29600 Btuh <small>rated capacity</small> |
| Heating at 5° | 34900 Btuh <small>maximum capacity</small> |

| | | |
|-----------------|---------|-------------|
| Operating Range | Cooling | 5°F -122°F |
| | | -15°C -50°C |
| Heating | | 5°F -86°F |
| | | -15°C -30°C |

| | |
|---------------|------------------|
| Compressor: | twin rotary GMCC |
| Fan Motor | RLA 0.39A |
| air flow rate | 4500 cfm/7646m3h |

Fan Speed rpm
150/200/250/300/400/500/600/700/800/870

| | |
|-------------|----------------------|
| Sound Level | 64 dBA |
| | WxDxH |
| Dimensions | 37.48"x16.34"x52.48" |
| | 952x 415x 1333mm |
| Weight | 223.77 lb / 101.5 Kg |

Indoor Unit

| | |
|----------------------------|--|
| Concealed Duct Indoor Unit | |
| Cooling | 48000 Btuh |
| Heating at 47° | 49500 Btuh |
| Heating at 17° | 32000 Btuh <small>rated capacity</small> |
| Heating at 5° | 34900 Btuh <small>maximum capacity</small> |

Indoor Air Flow (without duct) Hi/Med/Low
1470/1180/940 CFM 2499/2006/1598 m3h

| | |
|-------------|----------------------------|
| Fan Motor | RLA 1.8A |
| Fan Speeds | 1090 /950/850 rpm |
| Sound Level | (Hi/Med/Lo) 52/ 49/ 46 dBA |
| Inside Unit | WXDxH |

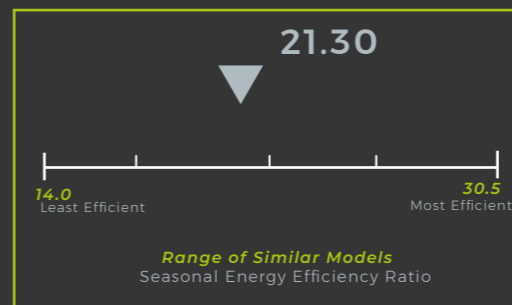
| | |
|------------|------------------------|
| Dimensions | 47.24"x 34.06"x 11.81" |
| | 1200x865x300 mm |
| Weight | 94.8lbs/43Kg |

ENERGY GUIDE

Heat Pump
Cooling and Heating
Split System

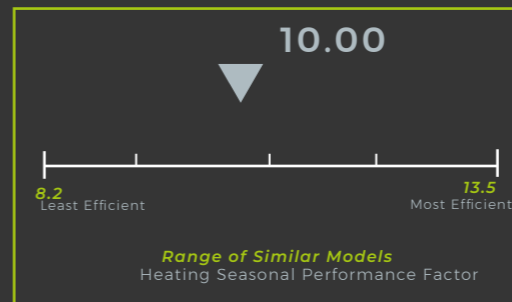
AC PENGUIN, PRESTIGE CORP.
Model YBO-18HRN1

COOLING EFFICIENCY RATING (SEER)*



This system's efficiency ratings depend on the coil your contractor installs with this unit. The heating efficiency rating varies slightly in different geographic regions. Ask your contractor for details.

COOLING EFFICIENCY RATING (HSPF)*



For energy cost info, visit productinfo.energy.gov



This combination qualifies for a Federal Energy Efficiency Tax Credit when placed in service between Feb 17, 2009 and Dec 31, 2016

CERTIFICATE OF PRODUCT RATINGS

AHRI Certified Reference Number: 10263675
Product: Variable Speed Multi-Split Heat Pump
Outdoor Unit Model Number: YBO-18HRN1
Indoor Unit Type: Non-Ducted Indoor Units
Manufacturer: AC PENGUIN. PRESTIGE CORP.
Trade/Brand name: AC PENGUIN PRESTIGE
Series name:

Date: 5/11/2017

Manufacturer responsible for the rating of this system combination is AC PENGUIN. PRESTIGE CORP. Rated as follows in accordance with AHRI Standard 210/240-2008 for Unitary Air-Conditioning and Air-Source Heat Pump Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

| | |
|----------------------------------|-------|
| Cooling Capacity (Btuh): | 17000 |
| EER Rating (Cooling): | 12.50 |
| SEER Rating (Cooling): | 21.30 |
| Heating Capacity(Btuh)@47 F: | 18000 |
| Region IV HSPF Rating (Heating): | 10.00 |
| Heating Capacity(Btuh)@17 F: | 11800 |

CERTIFIED RATINGS FOR VARIABLE SPEED, MINIL AND MULTISPLIT SYSTEMS ARE VALID FOR ALL COMBINATIONS OF INDOOR UNITS. (BASED ON COMBINATION TYPES) WITH THE SPECIFIC OUTDOOR UNIT LISTED ABOVE AND IN THE AHRI DIRECTORY OF CERTIFIED EQUIPMENT. VISIT WWW.AHRIDIRECTORY.ORG TO VERIFY THAT THIS COMBINATION IS AN ACTIVE LISTING AND THE DATA LISTED ON THIS CERTIFICATE IS ACCURATE SEARCHONTHEAHR REFERENCE #TO QUICKLY LOCATE THIS COMBINATION IN THE DIRECTORY.

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CERTIFICATE NO.: 131389603096806568





FILTERS

Dirty Air produces many problems that is why we offer the best Filters in the market.

Dirty Air in Machines

- Increased Energy Consumption
- Decreased Life of Components & Machine
- Decrease Efficiency
- More Frequent Maintenance to Reduce the Above
- Increased Maintenance Costs
- Frequent Filter Changes

Dirty Air in Human Respiratory

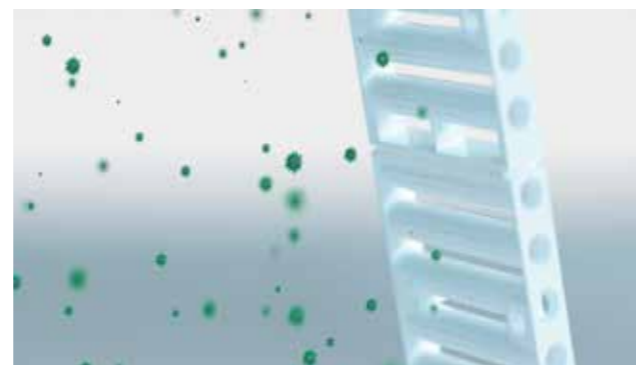
- Increased Respiratory Difficulties
- Decrease in Productivity with Increased Absentee Rates
- Increased Illness
- Premature Death

OUR AIR FILTRATION PRINCIPLE

- Operate in Airflows that others Cannot: **Low Air Flow Resistance**
- Permanently Capture Particles: **No Shredding**
- Filters are Sustainable: **Simply Clean and Reuse**

Turbulence and Absorption

- Air easily passes around our Staggered Rod Design
- Double Layer with Alternating Rods, Increases Turbulence
- 1mm holes in Rods create Additional Turbulence
- Absorber Fluid is a medical grade silicon oil with a Low Viscosity (sticky)
- Brownian Motion (>.03µ particle turbulence)
- Van der Waals Force (London dispersion forces creates attraction on the atomic and molecular level)



CUSTOMIZE SOLUTIONS FOR HVAC MANUFACTURING PARTNERS

- . Establish filtration effectiveness with given airflow conditions
- Easily accessible for cleaning & replacement



BENEFITS FOR END CUSTOMERS

Human Health

- Cleaner Air

Machine Health

- Less frequent maintenance
- Reduces energy consumption

Extends the life of the Machine

ADDITIONAL PRODUCTS



BATTERIES

SOLAR PANELS

TECHNICAL SPECIFICATIONS

| MODEL | |
|------------------------|---|
| MODEL | 3P-12KW |
| CAPACITY | 12 KW |
| BATTERY VOLTAGE | 192VDC |
| INPUT | |
| PHASE | 3-PHASE |
| AC VOLTAGE REGULATION | 220Vac± 20 % |
| FREQUENCY RANGE | 45 Hz-60HZ |
| OUTPUT | |
| OUTPUT VOLTAGE | Battery Mode: 220Vac± 3%; Mains mode_ 220Vac± 20 % |
| FREQ RANGE (AC MODE) | 45 Hz-60Hz |
| FREQ RANGE (DC MODE) | 50Hz± 0,1Hz |
| OVERLOAD (MAINS MODE) | Mains mode: 100%-110%, 10min; 110%-130%,1min;>130%, 1sec |
| OVERLOAD(BATTERY MODE) | Battery Mode: 100%-110%, 30sec; 110%-130%,10sec;>130%, 1sec |
| CURRENT CREST RATIO | 3:1 max |
| TRANSFER TIME | <4ms |
| WAVE FORM | Pure Sine Wave |
| EFFICENCY | 85% |
| ISOLATION TYPE | Isolated output |
| BATTERY | |
| BATTERY TYPE | Depending on applications |
| BATTERY NUMBERS | Depending on applications |
| ENVIRONMENT | |
| OPERATION TEMPERATURE | 0-40 °C(Battery life cycle will be shorten when temperature is above 25°C |
| OPERATION HUMIDITY | <95% and non-condensing |
| OPERATION ALTITUDE | <1000m |
| NOISE LEVEL | <5dB(1m distance) |
| MANAGEMENT | |
| DISPLAY | 7 inch Touch Screen System |
| PRODUCT SIZE | 680*400*880(W*D*H mm) |
| PACKING SIZE | 780*460*1220 (W*D*H mm) |
| N.W.(kg) | 157 |

* the above data for reference, if there is a change in kind prevail.

Piercing Valve 3/8 , 1/4



LT-3P-60A-120V Contactor



LT-3P-60A-208/240V



Compressor from 12,000 to 48,000



Aluminium Tape



Filter Dryer



Condensate pump mini



Motor starting capacitor



378-454MFD (110 VAC)



Time Delay



SOLAR PANELS

