## Wide Operating Range


Stronger Heating Capability At Low Ambient Temperature

# Technology & Feature

R410A

18000 Btu/ h

24000 Btu/ h
36000 Btu/ h

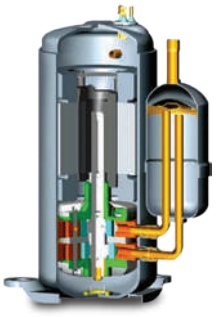
48000 Btu/ h

Outdoor Unit: Heating: -10~24°C, cooling: -15~52°C


Stronger Cooling Capability At High Ambient Temperaturet

## High Efficiency

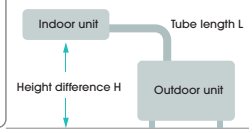
High efficiency twin rotary com-pressor.



## The Control Technique For Oil Recycle

Height difference & long piping design, making installation easier.

| Model | Ma × .Tube Length L | Ma × .Tube Difference H | Add.Refrigerant e × ceed 5m |
|---|---|---|---|
| 9K/12K/18k | 20m | 15m | 15g/ m |
| 24k | 30m | 20m | 35g/ m |
| 36k | 50m | 30m | 35g/ m |
| 48k | 50m | 30m | 35g/ m |

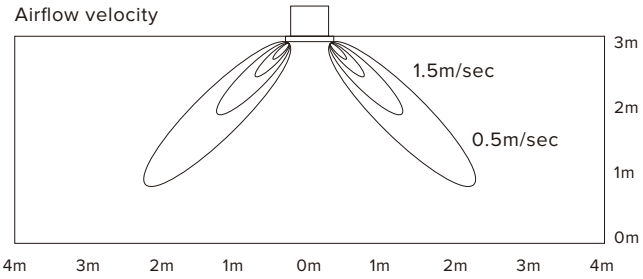



The new vortex fan optimizes the air tunnel to lower noise and provide smoother air flow.

18k/24k/36k/48k

## DC Fan Motor

- The DC Fan Motor gives you high efficiency and energy savings.
- Low Noise: AC motors will produce low frequency noise during operation, but the DC motor eliminates this altogether.
- Stable operation




## Low Noise Fan

New design of the vortex fan

18k

## Temperature Compensation of Cassette

For cassette type heating modes, most people don't always feel warm enough because the hot air stays at the top level. Hisense Cassette brings 4 level temperature compensa-tion through a DIP switch.

| Model | | | AUC18HTIN AUC18HTOU | AUC24HTIN AUC24HTOU | AUC36HTIN AUC36HTOU | AUC48HTIN AUC48HTOU |
|---|---|---|---|---|---|---|
| Power supply | | V-ph-Hz | 220 ~ 230-1-60 | 220 ~ 230-1-60 | 220～230-1-60 | 220 ~ 230-1-60 |
| Power factor | | | 0.95 | 0.98 | 0.98 | 0.98 |
| Max. input consumption | | W | 2200 | 3000 | 4000 | 6000 |
| Max. input current | | A | 11.5 | 16.0 | 20.0 | 30.0 |
| Cooling | Capacity T1 | Btu/h | 18000 | 25000 | 34200 | 43000 |
| | Capacity T1 | W | 5280 | 7320 | 10000 | 12600 |
| | Input T1 | W | 1475 | 1923 | 2766 | 3500 |
| | Current T1 | A | 6.4 | 8.4 | 12.5 | 16.0 |
| | EER T1 | W/W | 3.55 | 3.80 | 3.60 | 3.60 |
| | EER T1 | btu/h/w | 12.20 | 13.00 | 12.35 | 12.30 |
| Cooling | Capacity T3 | Btu/h | 16000 | 23000 | 29200 | 37000 |
| | Capacity T3 | W | 4700 | 6750 | 8550 | 10850 |
| | Input T3 | W | 1839 | 2371 | 3447 | 4350 |
| | Current T3 | A | 7.9 | 10.3 | 14.6 | 19.5 |
| | EER T3 | W/W | 2.55 | 2.85 | 2.45 | 2.50 |
| | EER T3 | btu/h/w | 8.70 | 9.70 | 8.50 | 8.50 |
| Heating | Capacity | Btu/h | 18000 | 24900 | 34000 | 47800 |
| | Capacity | W | 5300 | 7300 | 10000 | 14000 |
| | Input | W | 1385 | 1780 | 2597 | 3730 |
| | Current | A | 6.00 | 7.80 | 11.50 | 17.00 |
| | COP | btu/h/w | 13.00 | 14.30 | 13.15 | 12.80 |
| | COP | W/W | 3.80 | 4.10 | 3.85 | 3.75 |
| Indoor air flow Rated(Hi/Med/Lo) | | $m^3/h$ | 1000/900/800 | 1400/1250/1000 | 2000/1550/1350 | 2100/1850/1680 |
| Indoor air flow Rated(Hi/Med/Lo) | | CFM | 588/529/470 | 824/735/588 | 1176/911/794 | 1195/1082/982 |
| ESP | Rated | Pa | / | / | / | / |
| | Range | Pa | / | / | / | / |
| Indoor noise level (Hi/Med/Lo) | | dB(A) | 43/40/38 | 49/46/42 | 50/48/44 | 52/49/46 |
| Throttle type | | | / | / | / | / |
| Indoor unit | Dimension (WxHxD) | mm | 840x248x840 | 840×248×840 | 840×298×840 | 840×298×840 |
| | Packing(WxHxD) | mm | 996x370x956 | 996x370x956 | 996x420x956 | 996x420x956 |
| | Net/Gross weight | kg | 25/33 | 27/35 | 32/41 | 32/41 |
| Drainage water pipe diameter | | mm | IDΦ32 | IDΦ32 | IDΦ32 | IDΦ32 |
| Refrigerant piping | Liquid side/ Gas side | mm | Φ6.35/Φ12.7(1/4"/1/2") | Φ9.52/Φ15.88(3/8"/5/8") | Φ9.52/Φ19.05(3/8"/3/4") | Φ9.52/Φ19.05(3/8"/3/4") |
| Controller | | | Remote control | Remote control | Remote control | Remote control |
| Operation temperature | | ℃ | 16 ~ 30 | 16 ~ 30 | 16～30 | 16 ~ 30 |
| Qty'per 20' /40' /40'HQ | | Indoor | 62/130/145 | 62/130/145 | 60/120/144 | 60/120/144 |
| Compressor | Type | | ROTARY | ROTARY | ROTARY | Scroll |
| | Brand | | Highly | Highly | Highly | Copeland |
| Outdoor noise level (sound pressure) | | dB(A) | 53 | 62 | 62 | 60 |
| Throttle type | | | Throttle Valve | Throttle Valve | Throttle Valve | Capillary |
| Outdoor unit | Dimension(WxDxH) | mm | 860×650×310 | 885×795×366 | 950x340x1050 | 950x340x1386 |
| | Packing(WxDxH) | mm | 990×450×730 | 1050×890×500 | 1110x460x1200 | 1110x460x1530 |
| | Net/Gross weight | kg | 48/54 | 55/60 | 85/88 | 120/130 |
| Refrigerant type/Quantity | Type | | R410A | R410A | R410A | R410A |
| | Charged volume | kg | 1.50 | 2.10 | 2.95 | 4.40 |
| Design pressure | | MPa | 4.8/1.5 | 4.8/1.5 | 4.4/1.5 | 4.6/1.5 |
| Refrigerant piping | Liquid side/ Gas side | mm(inch) | Φ6.35/Φ12.7(1/4"/1/2") | Φ9.52/Φ15.88(3/8"/5/8") | Φ9.52/Φ19.05(3/8"/3/4") | Φ9.52/Φ19.05(3/8"/3/4") |
| | Max. pipe length | m | 30 | 30 | 40 | 50 |
| | Max. difference in level | m | 15 | 15 | 30 | 30 |
| Ambient temperature | Cooling | ℃ | 15-55 | 15-55 | 15-56 | 15-56 |
| | Heating | ℃ | -10~24 | -10~24 | -10~24 | -10~24 |
| Qty'per 20' /40' /40'HQ | | Outdoor unit | 90/186/186 | 44/96/144 | 26/53/106 | 26/53/53 |