

SPECIFICATIONS

DUCTED

| IDU | | RPIL-1.0UNZ1NH | RPIL-1.5UNZ1NH | RPIL-2.0UNZ1NH | RPIM-3.0UNZ1NH | RPIM-4.0UNZ1NH | RPIH-6.0UNZ1NH | RPIH-6.5UNZ1NH | |
|---------------------------------------|--|------------------|------------------------|------------------------|------------------------|-------------------------|-------------------------|-------------------------|---------------|
| ODU | | RAS-1.0UNZGNH1 | RAS-1.5UNZGNH1 | RAS-2.0UNZGNH1 | RAS-3.0UNZGNH1 | RAS-4.0UNZGMH1 | RAS-6.0UNZGMH1 | RAS-6.5UNZGMH1 | |
| Power supply | V/Ph/Hz | 220-240/1/50 | 220-240/1/50 | 220-240/1/50 | 220-240/1/50 | 380-415/3/50 | 380-415/3/50 | 380-415/3/50 | |
| Max. input consumption | W | 1,800 | 1,800 | 2,460 | 3,250 | 4,321 | 6,479 | 8,234 | |
| Max. input current | A | 10.0 | 10.0 | 10.2 | 15.5 | 9.0 | 12.1 | 16.6 | |
| Cooling | Capacity | W | 2,989 | 3,277 | 4,686 | 6,829 | 10,258 | 14,692 | |
| | Capacity | Btu/h | 10,200 | 11,180 | 15,990 | 23,300 | 35,000 | 50,130 | |
| | Input | W | 1,076 | 1,162 | 1,775 | 2,439 | 3,703 | 4,967 | |
| | Current | A | 5.1 | 5.1 | 7.5 | 10.2 | 6.9 | 8.8 | |
| | EER | W/W | 2.78 | 2.82 | 2.64 | 2.80 | 2.77 | 2.64 | |
| Heating | Capacity | W | 3,077 | 3,546 | 5,393 | 7,708 | 11,049 | 16,530 | |
| | Capacity | Btu/h | 10,500 | 12,100 | 18,400 | 26,300 | 37,700 | 56,400 | |
| | Input | W | 1,058 | 1,049 | 1,757 | 2,343 | 3,139 | 4,323 | |
| | Current | A | 4.8 | 4.8 | 7.3 | 9.6 | 6.6 | 8.6 | |
| | COP | W/W | 2.91 | 3.38 | 3.07 | 3.29 | 3.52 | 3.22 | |
| Indoor fan motor | Qty | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | Input | W | 70 | 70 | 83 | 226 | 209 | 558 | |
| | Capacitor | μF | 3.0 | 3.0 | 2.5 | 6.0 | 10.0 | 10.0 | |
| | Speed(Hi/Med/Lo) | r/min | 955/700/655 | 955/700/655 | 1,280/1,130/1,070 | 910/830/730 | 917/821/787 | 1,000/900/830 | 1,000/900/830 |
| | Indoor noise level (Sound pressure)(Hi/Med/Lo) | dB(A) | 34/29/28 | 34/31/29 | 38/36/35 | 42/40/38 | 40/38/37 | 46/44/42 | 46/44/42 |
| Indoor air flow Rated(Hi/Med/Lo) | m ³ /h | 650/470/450 | 650/470/450 | 750/670/630 | 1,250/1,000/900 | 1,800/1,650/1,500 | 2,000/1,800/1,600 | 2,000/1,800/1,600 | |
| ESP | Rated | 10 | 10 | 10 | 50 | 50 | 80 | 80 | |
| | Range | 10/30 | 10/30 | 10/30 | 50/80 | 50/80 | 80/120 | 80/120 | |
| Indoor unit | Dimension (WxHxD) | mm | 900×190×447 | 900×190×447 | 900×190×447 | 900×270×720 | 1,300×350×800 | 1,300×350×800 | |
| | Packing(WxHxD) | mm | 1,070×236×580 | 1,070×236×580 | 1,070×236×580 | 1,170×340×870 | 1,550×410×940 | 1,550×410×940 | |
| | Net/Gross weight | kg | 19/25 | 19/25 | 19/25 | 30/35 | 54/62 | 54/62 | |
| Drainage water pipe diameter | mm | ODΦ32 | ODΦ32 | ODΦ32 | ODΦ32 | ODΦ32 | ODΦ32 | ODΦ32 | |
| Controller | | Wired controller | Wired controller | Wired controller | Wired controller | Wired controller | Wired controller | Wired controller | |
| Operation temperature | °C | 16-30 | 16-30 | 16-30 | 16-30 | 16-30 | 16-30 | 16-30 | |
| Qty'per 20' /40' /40'HQ(Indoor unit) | Set | 200/440/484 | 200/440/484 | 200/440/484 | 84/182/182 | 35/75/90 | 35/75/90 | 35/75/90 | |
| Compressor | Type | ROTARY | ROTARY | ROTARY | ROTARY | ROTARY | ROTARY | ROTARY | |
| | Rated current(RLA) | A | 4.1 | 4.1 | 7.2 | 11.4 | 5.9 | 7.8 | |
| | Refrigerant oil | type/ml | VG74 /350 | VG74 /350 | ATMOS-RB68EP/600 | α68HES-H/570 | α68HES-H/2,600 | α68HES-H/1,600 | |
| Outdoor fan motor | Qty | 1 | 1 | 1 | 1 | 1 | 2 | 2 | |
| | Input | W | 25 | 25 | 41 | 118 | 160 | 74/74 | |
| | Speed | r/min | 850 | 850 | 910 | 880/830/540 | 880/740/660 | 900/800/700 | |
| Outdoor noise level (sound pressure) | dB(A) | 55 | 55 | 54 | 56 | 62 | 55 | 58 | |
| Throttle type | | Throttle Valve | Throttle Valve | Throttle Valve | Throttle Valve | Capillary | Capillary | Capillary | |
| Outdoor unit | Dimension(WxHxD) | mm | 715×482×240 | 715×482×240 | 810×585×280 | 860×665×310 | 885×795×366 | 950×1,050×340 | |
| | Packing(WxHxD) | mm | 830×530×315 | 830×530×315 | 940×640×420 | 990×730×450 | 1,050×890×500 | 1,110×1,200×460 | |
| | Net/Gross weight | kg | 28/30 | 28/30 | 42/45 | 51/56 | 67/71 | 96/103 | |
| Refrigerant | Type | R410A | R410A | R410A | R410A | R410A | R410A | R410A | |
| | Charged volume | kg | 0.85 | 0.85 | 1.30 | 1.58 | 2.60 | 3.10 | |
| Refrigerant piping | Liquid side/ Gas side | mm(inch) | Φ6.35/Φ12.7(1/4"/1/2") | Φ6.35/Φ12.7(1/4"/1/2") | 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 | 15 | 15 | 20 | 30 | 30 | 50 | |
| | Max. difference in level | m | 7.5 | 7.5 | 15 | 15 | 20 | 30 | |
| Ambient temperature | Cooling | °C | -15~+43 | -15~+43 | -15~+43 | -15~+43 | -15~+43 | -15~+43 | |
| | Heating | °C | -10~+24 | -10~+24 | -10~+24 | -10~+24 | -10~+24 | -10~+24 | |
| Qty'per 20' /40' /40'HQ(Outdoor unit) | Set | 204/412/520 | 204/412/520 | 102/204/272 | 90/186/186 | 44/92/96 | 26/53/106 | 26/53/53 | |

Nominal testing conditions:
 Cooling - Indoor 80.6°F DB / 66.2°F WB (27°C DB / 19°C WB) & Outdoor 95°F DB / 75.2°F WB (35°C DB / 24°C WB)
 Heating - Indoor 68°F DB / 59°F WB (20°C DB / 15°C WB) & Outdoor 44.6°F DB / 42.8°F WB (7°C DB / 6°C WB)