

Floor Ceiling **60 HZ / A Series**
Standard Efficiency



R-410A
REFRIGERANT

Standard Efficiency

Flexible installation

Digital display

Washable filter

3D airflow

| Floor Ceiling Model | | CF410A-P024-M3G1C | CF410A-P036-M3G1C | CF410A-P048-M3G1C | CF410A-P060-M3G1C | |
|----------------------------------|------------------------------|-----------------------------------|-------------------|-------------------|-------------------|------------------|
| Capacity | Tons | 2.0 | 3.0 | 4.0 | 5.0 | |
| Power supply | V / Ph / Hz | 220V / 1Ph / 60Hz | | | | |
| Voltage operating range | Min / max volts | 198 - 242 | | | | |
| Rated capacity (*See note below) | W | 7144 | 8015 | 9556 | 11162 | |
| | BTUH | 24375 | 27347 | 32605 | 38085 | |
| Rated Input | W | 2439 | 3189 | 3500 | 4595 | |
| Rated current | A | 11.12 | 17.5 | 30.48 | 34.85 | |
| EER | W/W | 2.93 | 2.51 | 2.73 | 2.43 | |
| | BTUH /W | 10.00 | 8.56 | 9.31 | 8.29 | |
| MCA | A | 2.30 | 1.30 | 2.30 | 2.30 | |
| MOP | A | 3.00 | 3.00 | 3.00 | 3.00 | |
| Indoor coil | Number of rows / circuits | 3 / 4 | 3 / 4 | 3 / 5 | 3 / 5 | |
| | Fin spacing / fin type | 1.4 mm / Hydrophilic | | | | |
| | Tube outside diameter / type | Φ7 mm / inner grooved copper tube | | | | |
| | Coil length x height x width | mm | 680x252x40.11 | 948x252x40.11 | 1318x252x40.11 | 1318x252x40.11 |
| Air flow(High speed) | m ³ /h | 1200 | 1800 | 2100 | 2100 | |
| | CFM | 706 | 1060 | 1236 | 1236 | |
| Indoor sound level | dB(A) | 48-52 | 51-57 | 55 | 55 | |
| Dimensions | Dimension (W*H*D) | (mm) | 1050x235x675 | 1250x235x675 | 1670x235x675 | 1670x235x675 |
| | Packing (W*H*D) | (mm) | 1130x325x765 | 1380x325x765 | 1750x325x770 | 1750x325x770 |
| Weight | Net / Gross | (Kg) | 26.5/31 | 32/37 | 40/46 | 40/46 |
| Indoor fan motor | Model | | YSK110-59LD-4P17 | YSK110-180LD-4P2 | YSK110-59LD-4P17 | YSK110-59LD-4P17 |
| | Input | W | 135 | 360 | 160*2 | 160*2 |
| | Output | W | 70 | 180 | 85*2 | 85*2 |
| | Capacitor | uF | 3 | 5 | 3*2 | 3*2 |
| | Speed(hi/mi/lo) | RPM | 1310/1139/1060 | 1330/1230/1130 | 1310/1139/1060 | 1310/1139/1060 |
| Refrigerant piping | Liquid / Vapor | mm | Φ9.52/Φ15.88 | Φ9.52/Φ19.05 | Φ9.52/Φ19.05 | Φ9.52/Φ19.05 |
| Operation temp | °C | 16-32 | | | | |
| Standard Control | | Remote controller | | | | |
| Drain connection | mm | Φ25 | | | | |

* Note: Capacities are based when combined with CIAC model family CA410A outdoor units. Your actual capacity will vary depending on the outdoor combination.



Condensing Unit **60 HZ** / **A Series**

Standard Efficiency



R-410A
REFRIGERANT

R-410A environmentally friendly refrigerant

Painted galvanized steel cabinet

Louvered steel coil guard

24VAC low voltage control

Wide operation temperature range

Golden Anticorrosion protection

| Condensing Unit Model | | CA410A--024-V3G1C | CA410A--036-V3G1C | CA410A--048-V3G1C | CA410A--060-V3G1C | CA410A--036-V5G1C | CA410A--048-V5G1C | CA410A--060-V5G1C | CA410A--048-V2G1C | CA410A--060-V2G1C | |
|--------------------------------------|--|-----------------------|--|-------------------|-------------------|-----------------------|-------------------|-------------------|-------------------|-------------------|----------------|
| Capacity | Tons | 2.0 | 3.0 | 4.0 | 5.0 | 3.0 | 4.0 | 5.0 | 4.0 | 5.0 | |
| Power supply | V / Hz / Ph | 208-230V / 1Ph / 60Hz | | | | 208-230V / 3PH / 60Hz | | | 380V / 3PH / 60Hz | | |
| Voltage operating range | Min. / Max volts | 190 / 253 | | | | 190 / 253 | | | 342 / 418 | | |
| Max. input consumption | W | 2620 | 3600 | 6125 | 5800 | 4390 | 5785 | 7440 | 5720 | 6625 | |
| Max. current | A | 13.2 | 23 | 30.93 | 34.85 | 12.25 | 16.42 | 24.97 | 12.03 | 12.71 | |
| MCA | A | 16.5 | 28.5 | 38.7 | 43.6 | 16.5 | 24.0 | 32.0 | 15.0 | 15.9 | |
| MOP | A | 30 | 50 | 60 | 70 | 30 | 40 | 50 | 30 | 30 | |
| Compressor | Model | PA240M2A-3MTU2 | GVS295KAA | ABT042KTA | ABT057KMA | ATH356UG3C9EU | ZP44KUE-TF5-52E | ZP54KUE-TF5-52E | ZP44KUE-TF7-52E | ZP54KUE-TF7-52E | |
| | Type / Qty. | Rotary / 1 | Rotary / 1 | Scroll / 1 | Scroll / 1 | Rotary / 1 | Scroll / 1 | Scroll / 1 | Scroll / 1 | Scroll / 1 | |
| | Manufacturer | GMCC | LG | LG | LG | HIGHLY | Copeland | Copeland | Copeland | Copeland | |
| | Rated current (RLA) | A | 11.75 | 13.6 | 17.5 | 30 | 10.8 | 17.8 | 15.1 | 9.4 | 10 |
| | LRA | A | 60 | 66.5 | 120 | 160 | / | 130.6 | 118.9 | 78 | 78 |
| | Thermal protection | | Internal | | | | | | | | |
| | Refrigerant oil charge | ml | 440 | 540 | 1360 | 1360 | 840 | 1242 | 1242 | 1242 | 1242 |
| Outdoor fan motor | Model | YDK-160-6P2 | YDK-160-6P2 | YDK-230-6P2 | YDK-230-6P2 | YDK-160-6P2 | YDK-230-6P2 | YDK-230-6P2 | YDK-230-6P2 | YDK-230-6P2 | |
| | Input | W | 244 | 244 | 331 | 331 | 216 | 331 | 331 | 331 | |
| | Capacitor | uF | 6µF/450V | 6µF/450V | 12µF/450V | 12µF/450V | 6µF/450V | 12µF/450V | 12µF/450V | 12µF/450V | |
| | Speed | RPM | 1100 | 1100 | 1095 | 1095 | 1100 | 1095 | 1095 | 1110 | 1095 |
| Outdoor coil | Number of rows / circuits | 1 / 2 | 1 / 2 | 1 / 5 | 1 / 5 | 1 / 2 | 1 / 5 | 1 / 5 | 1 / 5 | 1 / 5 | |
| | Fin spacing / Fin type | mm | 1.4 mm / Non-Hydrophilic Aluminium Fin | | | | | | | | |
| | Coil length x height x width | mm | 1428x588x13.37 | 1428x588x13.37 | 2150x798x13.37 | 2150x798x13.37 | 1397x588x26.74 | 2150x798x13.37 | 2148x798x13.37 | 2148x798x13.37 | 2148x798x13.37 |
| | Tube diameter / type | | 7 mm / inner groove copper tube | | | | | | | | |
| Outdoor unit sound level | dB(A) | 65 | 65 | 63 | 65 | 60 | 65 | 65 | 65 | 60 | |
| Dimensions | Unit (WxDxH) | mm | 554x554x633 | 554x554x633 | 740x740x835 | 740x740x835 | 554x554x675 | 740x740x835 | 740x740x835 | 740x740x835 | |
| | Packing (WxDxH) | mm | 575x575x660 | 575x575x660 | 760x760x875 | 760x760x875 | 575x575x690 | 760x760x875 | 760x760x875 | 760x760x875 | |
| Weight | Net / Gross | kg | 46/49 | 46.5/49.5 | 92/96 | 74.5/79 | 58.3/61.1 | 71.5/76.5 | 71.5/76.5 | 71.5/76.5 | |
| Refrigerant | type / charge | g | R410A / 1200 | R410A / 1650 | R410A / 2000 | R410A / 2400 | R410A / 2450 | R410A / 2700 | R410A / 2550 | R410A / 2600 | |
| Expansion device | | Indoor Piston | | | | | | | | | |
| Design pressure (high side/low side) | MPa | 3.6/0.98 | 4.0/1.2 | 4.0/1.2 | 4.0/1.2 | 4.0/1.2 | 4.0/1.2 | 4.0/1.2 | 4.0/1.2 | 4.0/1.2 | |
| Refrigerant piping | Liquid / Vapor | mm | Φ9.52/Φ15.88 | Φ9.52/Φ19.05 | Φ9.52/Φ19.05 | Φ9.52/Φ19.05 | Φ9.52/Φ19.05 | Φ9.52/Φ19.05 | Φ9.52/Φ19.05 | Φ9.52/Φ19.05 | |
| | Max. refrigerant pipe length | m | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | |
| | Max. vertical separation between outdoor indoor unit | m | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | |
| Ambient temp. range | °C | 16~43 | 16~43 | 16~43 | 21~43 | 18~43 | 18~43 | 21~43 | 18~43 | 18~43 | |