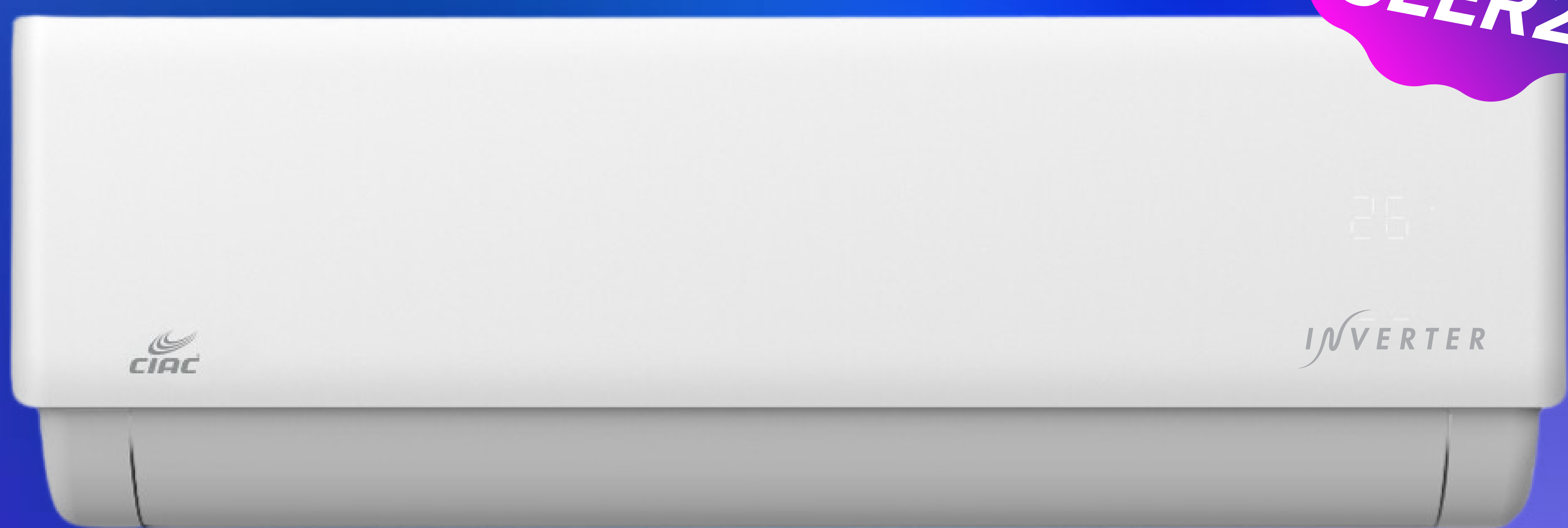




# Hiwall *INVERTER* CX Series



UP TO  
20  
SEER2



| Indoor Model                  |                                |          | CH820C-X012-H1N1C                     | CH820C-X012-H3N1C                     | CH820C-X018-H3N1C           | CH820C-X024-H3N1C           |
|-------------------------------|--------------------------------|----------|---------------------------------------|---------------------------------------|-----------------------------|-----------------------------|
| Outdoor Model                 |                                |          | CG820C-X012PH1N1C                     | CG820C-X012PH3N1C                     | CG820C-X018PH3N1C           | CG820C-X024PH3N1C           |
| Power supply                  |                                | V-Ph-Hz  | 115V_1Ph,60HZ                         | 220_230V_1Ph,60HZ                     | 220_230V_1Ph,60HZ           | 220_230V_1Ph,60HZ           |
| Cooling (RTCA)                | Capacity                       | W        | 3517                                  | 3517                                  | 5290                        | 6448                        |
|                               |                                | Btu/h    | 12000                                 | 12000                                 | 18050                       | 22000                       |
|                               | Range                          |          | 2700~13300                            | 2700~13300                            | 4000~18500                  | 4500~23800                  |
|                               | Input                          | W        | 1263                                  | 1263                                  | 1714                        | 2000                        |
|                               | Range                          |          | 150~1330                              | 150~1330                              | 120~1800                    | 160~2251                    |
|                               | Current                        | A        | 13.8                                  | 5.6                                   | 7.8                         | 9.3                         |
|                               | Range                          |          | 1.1~5.9                               | 1.1~5.9                               | 0.53~8.0                    | 0.7~10.0                    |
|                               | SEER                           | Btu/h/W  | 18.00                                 | 18.0                                  | 22.0                        | 20.0                        |
| Cooling (AHRI)                | EER                            | W/W      | 2.78                                  | 2.78                                  | 3.09                        | 3.22                        |
|                               | Capacity                       | Btu/h    | 12000                                 | 12000                                 | 18000                       | 22000                       |
|                               | SEER2                          | Btu/h/W  | 17.0                                  | 17.0                                  | 20.0                        | 19.0                        |
|                               | EER2                           | Btu/h/W  | 8.7                                   | 9.5                                   | 10.3                        | 10.3                        |
| Rated Power Input             |                                | W        | 2000                                  | 2100                                  | 2500                        | 3000                        |
| Rated Current                 |                                | A        | 17                                    | 9                                     | 13.5                        | 13.5                        |
| Compressor                    | Model                          |          | KSK103D32UEZ31                        | KSK103D32UEZ31                        | KSK103D32UEZ31              | KSN140D33UFZB3              |
|                               | Type                           |          | ROTARY                                | ROTARY                                | ROTARY                      | ROTARY                      |
|                               | Brand                          |          | GMCC                                  | GMCC                                  | GMCC                        | GMCC                        |
|                               | Capacity                       | W        | 2020/3245 ±3%                         | 2020/3245 ±3%                         | 2020/3245 ±3%               | 2690/4350                   |
|                               | Input                          | W        | 332/850 ±3%                           | 332/850 ±3%                           | 332/850 ±3%                 | 434/1127                    |
|                               | Rated current(RLA)             | A        | 2.42/5.70 ±3%                         | 2.42/5.70 ±3%                         | 2.42/5.70 ±3%               | 3.18/6.9                    |
|                               | Refrigerant oil/oil charge     | ml       | ESTER OIL VG74 280 ±10                | ESTER OIL VG74 280 ±10                | ESTER OIL VG74 280 ±10      | ESTER OIL VG74 420±10ml     |
| Indoor fan motor              | Model                          |          | YKFG-15-4-28-1                        | YKFG-20-4-10L                         | ZKFP-35-10-188L             | ZKFP-45-10-30L              |
|                               | Input                          | W        | 46                                    | 47.4                                  | 55                          | 76                          |
|                               | Capacitor                      | uF       | 3                                     | 1.5                                   | /                           | /                           |
|                               | Speed(Hi/Mi/Lo)                | r/min    | 1150/1010/940                         | 1150/1010/940                         | 1150/850/750                | 1050/910/840                |
| Indoor coil                   | a.Number of rows               |          | 2                                     | 2                                     | 2                           | 2                           |
|                               | b.Tube pitch(a)x row pitch(b)  | mm       | 19.5x11.6+18x17.3                     | 19.5x11.6+18x17.3                     | 19.5x11.6                   | 19.5x11.6                   |
|                               | c.Fin spacing                  | mm       | 1.3                                   | 1.3                                   | 1.3                         | 1.3                         |
|                               | d.Fin type (code)              |          | Hydrophilic aluminum                  | Hydrophilic aluminum                  | Hydrophilic aluminum        | Hydrophilic aluminum        |
|                               | e.Tube outside dia.and type    | mm       | Φ5,Inner groove tube                  | Φ5,Inner groove tube                  | Φ5,Inner groove tube        | Φ5,Inner groove tube        |
|                               | f.Coil length x height x width | mm       | 620x72x17.3+620x117x23.2+620x108x17.3 | 620x72x17.3+620x117x23.2+620x108x17.3 | 770x195x23.2+770x117x23.2   | 820x214.5x23.2+820x117x23.2 |
|                               | g.Number of circuits           |          | 3                                     | 3                                     | 4                           | 6                           |
| Indoor air flow (Hi/Mi/Lo)    |                                | m3/h     | 670/580/460                           | 670/580/460                           | 850/650/550                 | 1150/840/670                |
| Indoor noise level (Hi/Mi/Lo) |                                | dB(A)    | 39.0/34.5/32.0                        | 40.0/35.0/32.5                        | 43.5/40.5/33                | 45/39.5/37.5                |
| Indoor unit                   | Dimension(W*D*H)               | mm       | 813x201x289                           | 813x201x289                           | 975x218x308                 | 1055x231x330                |
|                               | Packing (W*D*H)                | mm       | 870x270x365                           | 870x270x365                           | 1035x295x385                | 1130x405x310                |
|                               | Net/Gross weight               | kg       | 8.5/10.4                              | 8/10.4                                | 10.1/13.2                   | 11.9/15.4                   |
| Outdoor fan motor             | Model                          |          | ZKFN-25-10-5L                         | ZKFN-25-10-6L                         | ZKFN-25-10-5L               | ZKFN-34-10-1L-1             |
|                               | Speed                          | r/min    | 950/700                               | 950/700                               | 810/450                     | 900/700/550                 |
| Outdoor coil                  | a.Number of rows               |          | 1                                     | 1                                     | 1.6                         | 1.6                         |
|                               | b.Tube pitch(a)x row pitch(b)  | mm       | 19.5x11.6                             | 19.5x11.6                             | 19.5x11.6                   | 19.5x11.6                   |
|                               | c.Fin spacing                  | mm       | 1.2                                   | 1.2                                   | 1.2                         | 1.2                         |
|                               | d.Fin type (code)              |          | Unhydrophilic aluminium               | Unhydrophilic aluminium               | Unhydrophilic aluminium     | Unhydrophilic aluminium     |
|                               | e.Tube outside dia.and type    | mm       | Φ5,Inner groove tube                  | Φ5,Inner groove tube                  | Φ5,Inner groove tube        | Φ5,Inner groove tube        |
|                               | f.Coil length x height x width | mm       | 600x429x11.6                          | 600x429x11.6                          | 755x507x11.6+462x507x11.6   | 875*507*11.6+510*507*11.6   |
|                               | g.Number of circuits           |          | 2                                     | 2                                     | 4                           | 2                           |
| Outdoor air flow              |                                | m3/h     | 1300                                  | 1300                                  | 2100                        | 2400                        |
| Outdoor noise level           |                                | dB(A)    | 54.5                                  | 54                                    | 55.5                        | 58                          |
| Outdoor unit                  | Dimension(W*D*H)               | mm       | 668x252x469                           | 668x252x469                           | 765x303x555                 | 805x330x554                 |
|                               | Packing (W*D*H)                | mm       | 765x270x525                           | 765x270x525                           | 887x337x610                 | 915x370x615                 |
|                               | Net/Gross weight               | kg       | 18.3/19.9                             | 17.2/18.9                             | 22.4/24.7                   | 27.2/29.7                   |
| Refrigerant type              |                                | kg       | R32/0.38                              | R32/0.380                             | R32/0.67                    | R32/0.75                    |
| Design pressure               |                                | MPa      | 4.3/1.7                               | 4.3/1.7                               | 4.3/1.7                     | 4.3/1.7                     |
| Refrigerant piping            | Liquid side/ Gas side          | mm(inch) | 6.35mm(1/4in)/12.7mm(1/2in)           | 6.35mm(1/4in)/12.7mm(1/2in)           | 6.35mm(1/4in)/12.7mm(1/2in) | 9.52mm(3/8in)/15.9mm(5/8in) |
|                               | Max. refrigerant pipe length   | m        | 25                                    | 25                                    | 30                          | 30                          |
|                               | Max. difference in level       | m        | 10                                    | 10                                    | 20                          | 20                          |
| Connection wiring             |                                |          | 16#x4//                               | 16#x4//                               | 16#x4//                     | 16#x4//                     |
| Plug type                     |                                |          | //no-plug                             | //no-plug                             | //no-plug                   | //no-plug                   |
| Thermostat type               |                                |          | Remote Control                        | Remote Control                        | Remote Control              | Remote Control              |
| Operation temperature         |                                |          | 16~30                                 | 16~30                                 | 16~30                       | 16~30                       |
| Room temperature              | Indoor(cooling/ heating)       |          | 16~32//                               | 16~32//                               | 16~32//                     | 16~32//                     |
|                               | Outdoor(cooling/heating)       |          | 0~50//                                | 0~50//                                | 0~50//                      | 0~50//                      |
| Qty/per 20' /40' /40'HQ       |                                |          | 136/282/310                           | 136/282/310                           | 90/184/212                  | 76/152/178                  |