

# Floor Ceiling Inverter

YMFJZH 012 to 048 BAM(N)  
 A complete range from 3.5kW to 14.1 kW



## Features

- Fresh air intake
- Washable filter
- High velocity and air flow
- Low noise
- Zero Louver angle loss
- High efficiency compressor
- High efficiency coil with internal grooved copper tube
- 3 minutes protection
- Low ambient kit

## Controller

- Auto restart
- Auto swing
- 24 hour timer
- Child lock function
- Multi-speed fan



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## Technical features

| Set                         | Sizes                    | YMFJZH012BAM-AFX               | YMFJZH018BAM-AFX                 | YMFJZH024BAM-AFX                 | YMFJZH036BAM-AFX                 | YMFJZH048BAN-AFX                 |                                  |
|-----------------------------|--------------------------|--------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Indoor Unit                 | Sizes                    | YMFJXH012BAM-FX                | YMFJXH018BAM-FX                  | YMFJXH024BAM-FX                  | YMFJXH036BAM-FX                  | YMFJXH048BAN-FX                  |                                  |
| Outdoor Unit                | Sizes                    | YMUJYH012BAM-A-X               | YMUJYH018BAM-A-X                 | YMUJYH024BAM-A-X                 | YMUJYH036BAM-A-X                 | YMUJYH048BAN-A-X                 |                                  |
| Power Input                 | V/Ph/Hz                  | 220-240/1/50                   | 220-240/1/50                     | 220-240/1/50                     | 220-240/1/50                     | 380-415/3/50                     |                                  |
| Cooling                     | Capacity                 | W                              | 3517(1407-3869)                  | 5275(2110-5800)                  | 7034(2814-7734)                  | 9086(3634-9994)                  | 14070(5627-15475)                |
|                             | Input                    | W                              | 1161(332-1502)                   | 1713(490-2215)                   | 2384(681-3084)                   | 3328(951-4306)                   | 4920(1405-6365)                  |
|                             | Rated current            | A                              | 5.05(1.44-6.53)                  | 7.45(2.13-9.63)                  | 10.37(2.96-13.41)                | 14.47(4.13-18.72)                | 8.79(2.51-11.36)                 |
|                             | EER                      | W/W                            | 3.03                             | 3.08                             | 2.95                             | 2.73                             | 2.86                             |
| Heating                     | Capacity                 | W                              | 3810(1524-4191)                  | 5568(2227-6125)                  | 7620(3048-8382)                  | 10111(4045-11123)                | 14361(5744-15797)                |
|                             | Input                    | W                              | 1070(306-1385)                   | 1521(435-1969)                   | 2323(664-3006)                   | 3704(1058-4793)                  | 4460(1274-5772)                  |
|                             | Rated current            | A                              | 4.65(1.33-6.02)                  | 6.61(1.89-8.56)                  | 10.1(2.89-13.07)                 | 16.1(4.6-20.83)                  | 7.96(2.78-10.31)                 |
|                             | COP                      | W/W                            | 3.56                             | 3.66                             | 3.28                             | 2.73                             | 3.22                             |
| Moisture Removal            | l/h                      | 1.2                            | 1.8                              | 2.4                              | 3.6                              | 6                                |                                  |
| Max. input consumption      | W                        | 2200                           | 2950                             | 3000                             | 4800                             | 8000                             |                                  |
| Max. current                | A                        | 10                             | 13                               | 13.5                             | 22                               | 15                               |                                  |
| Operation Control           |                          | Wireless                       |                                  |                                  |                                  |                                  |                                  |
| Compressor                  | Type                     |                                | Rotary                           | Rotary                           | Rotary                           | Scroll                           | Scroll                           |
|                             | Input                    | W                              | 855                              | 990                              | 1150                             | 3010                             | 4270                             |
|                             | Rated current(RLA)       | A                              | 5.3                              | 4.97                             | 9.7                              | 13.5                             | 12                               |
|                             | Locked rotor Amp         | A                              | /                                | /                                | /                                | /                                | /                                |
|                             | Thermal protector        |                                | Internal                         | Internal                         | Internal                         | Internal                         | Internal                         |
|                             | Capacitor                | µF                             | /                                | /                                | /                                | /                                | /                                |
| Indoor fan motor            | Input                    | W                              | 33.4/31.1/29.5                   | 125/105/85                       | 125/105/85                       | 159/142/130                      | (102/98/96) x2                   |
|                             | Capacitor                | µF                             | 1.5UF/450V                       | 2.5UF/450V                       | 2.5UF/450V                       | 3.5UF/450V                       | (2.5uF/450V) x2                  |
|                             | Speed (Hi/Mi/Lo)         | rpm                            | 756/666/592                      | 1310/1190/1040                   | 1310/1190/1040                   | 1290/1170/1060                   | (1230/1130/1070) x2              |
| Indoor air flow (Hi/Lo)     | m3/h                     | 584/518/463                    | 800/600/500                      | 1000/900/700                     | 1400/1200/1000                   | 2000/1800/1600                   |                                  |
| Indoor noise level (Hi/Lo)  | dB(A)                    | 40/37/33                       | 43/41/38                         | 45/43/40                         | 45/43/40                         | 47/46/44                         |                                  |
| Outdoor fan motor           | Input                    | W                              | 67/48                            | 111/96                           | 103/76                           | 320/240                          | (176/133)x2                      |
|                             | Capacitor                | mF                             | 2.5UF/450V                       | 2.5UF/450V                       | 2.5UF/450V                       | 10uF/450V                        | (3.5UF/450V)x2                   |
|                             | Speed                    | rpm                            | 800/550                          | 890/540                          | 840/630                          | 760/625                          | 810/610                          |
| Outdoor air flow            | m3/h                     | 2500                           | 2570                             | 2700                             | 5000                             | 6130/4560                        |                                  |
| Outdoor noise level         | dB(A)                    | 48                             | 51                               | 54                               | 55                               | 63                               |                                  |
| Dimension                   | Indoor (WxHxD)           | mm                             | 990x660x203                      | 990x660x203                      | 990x660x203                      | 1280x660x203                     | 1670x680x240                     |
|                             | Outdoor (WxHxD)          | mm                             | 762x593x282                      | 762x593x282                      | 842x695x324                      | 990x966x354                      | 940x1245x360                     |
| Weight                      | Net/Gross Indoor         | kg                             | 25/30                            | 26/32                            | 29/35                            | 31/37                            | 52/59                            |
|                             | Net /Gross Outdoor       | kg                             | 39/42                            | 42/44                            | 61/64                            | 82/87                            | 104/115                          |
| Refrigerant                 | Type                     |                                | R-410A                           |                                  |                                  |                                  |                                  |
|                             | Charge                   | kg                             | 1.13                             | 1.32                             | 2.1                              | 2.75                             | 4.2                              |
| Refrigerant Pipe            | Liquid side/ Gas side    | mm                             | 6.4/12.7                         | 6.4/12.7                         | 9.52/15.9                        | 9.52/15.9                        | 9.52/15.9                        |
|                             | Max.pipe length          | m                              | 10                               | 25                               | 25                               | 30                               | 50                               |
|                             | Max. difference in level | m                              | 5                                | 12                               | 12                               | 20                               | 25                               |
| Operation temperature range | °C                       | 17 to 30                       |                                  |                                  |                                  |                                  |                                  |
| Ambient temperature range   | °C                       | Cooling: 0-50, Heating: -15-24 | Cooling: -15-50, Heating: -15-24 | Cooling: -15-50, Heating: -15-24 | Cooling: -15-50, Heating: -15-24 | Cooling: -15-50, Heating: -15-24 | Cooling: -15-50, Heating: -15-24 |
| Application area            | m2                       | 13-21                          | 21-35                            | 28-47                            | 42-70                            | 64-107                           |                                  |
| Qty' per 20' & 40' & 40HQ   | Set                      | 64/133/157                     | 64/133/157                       | 52/109/128                       | 41/85/89                         | 26/55/65                         |                                  |

Nominal cooling capacity based on : - Indoor Air Temp. 27°C DB / 19°C WB - Outdoor Air Temp. 35°C DB/ 24°C WB  
 Nominal heating capacity based on : - Indoor Air Temp. 20°C DB/ 15°C WB - Outdoor Air Temp. 7°C DB/6°C WB