



**ART series  
INVERTER R410A**

**WALL MOUNTED SPLIT AIR CONDITIONERS**

| SPECIFICATIONS                                   |  | indoor                          | FSAIF-Art-90AE2-B                                | FSAIF-Art-120AE2-B  | FSAIF-Art-180AE2-B  | FSAIF-Art-240AE2-B  |              |
|--|--|---------------------------------|--|---------------------|---------------------|---------------------|--------------|
|  |  | outdoor                         | FSAOIF-Art-90AE2                                 | FSAOIF-Art-120AE2   | FSAOIF-Art-180AE2   | FSAOIF-Art-240AE2   |              |
| Refrigerant                                      |  |                                 | R 410A   | R 410A              | R 410A              | R 410A              |              |
| Rated Capacity Cooling *                         |  | W                               | 2600(1230~3300)                                  | 3500(1330~4465)     | 5300(1840~6110)     | 7000(2080~7940)     |              |
| Rated Capacity Heating *                         |  | W                               | 2930(850~3720)                                   | 3800(1050~4875)     | 5560(1400~6730)     | 7320(1610~8790)     |              |
| SEER / Energy Efficiency Class Cooling           |  | -                               | 7,4 / A++  | 6,9 / A++           | 6,6 / A++           | 6,4 / A++           |              |
| SCOP / Energy Efficiency Class Heating           |  | -                               | 4,1 / A+   | 4,1 / A+            | 4,1 / A+            | 4,0 / A+            |              |
| Power Input * Cooling/Heating                    |  | W                               | 710 / 790  | 1100 / 1120         | 1650 / 1540         | 2340 / 2270         |              |
| Running Current * Cooling/Heating                |  | A                               | 3,1 / 3,4  | 4,8 / 4,9           | 7,1 / 6,7           | 11,4 / 9,9          |              |
| Max. Current                                     |  | A                               | 9,5  | 10                  | 11,5                | 17                  |              |
| Recommended Fuse Capacity                        |  | A                               | C 16A  | C 16A               | C 16A               | C 20A               |              |
| Power Source                                     |  | V/ph/Hz                         | 230/1/50   | 230/1/50            | 230/1/50            | 230/1/50            |              |
| Design Load Cooling/Heating                      |  | kW                              | 2,6 / 235  | 3,5 / 2,7           | 5,3 / 4,3           | 7,0 / 5,3           |              |
| Annual Energy Consumption ** Cooling/Heating     |  | kWh/a                           | 123 / 785  | 178 / 922           | 281 / 1468          | 383 / 1855          |              |
| Declared Capacity (reference design temp: -10°C) |  | kW                              | 2,0  | 2,3                 | 3,71                | 4,9                 |              |
| Needed Electric Back-up Heater( at -10°C )       |  | kW                              | 0,3  | 0,4                 | 0,59                | 0,4                 |              |
| Bivalent Temperature                             |  | °C                              | -7°C   | -7°C                | -7°C                | -7°C                |              |
| Indoor Air Flow High/Med/Low                     |  | (m <sup>3</sup> /h)             | 400/300/240                                      | 500/350/270         | 740/620/480         | 880/680/550         |              |
| Indoor Sound Pressure Level High/Med/Low         |  | dB(A)                           | 35/26/21   | 36/29/22            | 39/33/28            | 43/37/31            |              |
| Sound Power Level (High) Indoor/Outdoor          |  | dB(A)                           | 51/58  | 49/60               | 56/62               | 59/65               |              |
| Net Weight Indoor/Outdoor                        |  | kg                              | 9,5/26,6   | 9,9/29,1            | 13/37,8             | 16,4/48,4           |              |
| Dimension  |  | Indoor (WxHxD)                  | mm   | 897x312x182         | 897x312x182         | 1004x350x205        | 1130x368x218 |
|  |  | Outdoor (WxHxD)                 | mm   | 770x555x300         | 800x554x333         | 800x554x333         | 845x702x363  |
| Mounting Dimensions (Outdoor unit)               |  | mm                              | 487x298  | 514x340             | 514x340             | 540x350             |              |
| Refrigerant piping                               |  | Max. refrigerant pipe length    | m  | 25                  | 25                  | 30                  | 50           |
|  |  | Max. difference in level        | m  | 10                  | 10                  | 20                  | 25           |
|  |  | Pipe Size Liquid side/ Gas side | mm   | 6,35/9,53           | 6,35/9,53           | 6,35/12,7           | 9,52/15,9    |
| Refrigerant Type and Charge Quantity             |  | g                               | R 410A 800g                                      | R 410A 950g         | R 410A 1480g        | R 410A 1850g        |              |
| Additional Refrigerant Charge                    |  |                                 | over 5 m : 15 g/m                                | over 5 m : 15 g/m   | over 5 m : 15 g/m   | over 5 m : 30 g/m   |              |
| Connection Cable between Indoor and Outdoor***   |  | x mm <sup>2</sup>               | 5x2,5  | 5x2,5               | 5x2,5               | 5x2,5               |              |
| Power Source Cable ***                           |  | x mm <sup>2</sup>               | outdoor 3x2,5                                    | outdoor 3x2,5       | outdoor 3x2,5       | outdoor 3x2,5       |              |
| Operation Outdoor (Cooling/Heating) temperature  |  | °C                              | -15 ~ 50 / -20 ~ 30                              | -15 ~ 50 / -20 ~ 30 | -15 ~ 50 / -20 ~ 30 | -15 ~ 50 / -15 ~ 30 |              |
| Compressor                                       |  |                                 | 17°C - 32°C / 0°C - 30°C<br>rotary (DC inverter) |                     |                     |                     |              |

The heating data regard the average season.

\* Cooling / Heating data are based on the following conditions:

Cooling Indoor temp.:27°C DB / 19°C WB Outdoor temp.: 35°C DB / 24°C WB

Heating Indoor temp :20°C DB / 15°C WB Outdoor temp.: 7°C DB / 6°C WB

\*\* Based on standard test results. Actual energy consumption will depend on how the appliance is used and where it is located.

\*\*\* The wire diameters are suggested min. values. It must be controlled and calculated accordance with local rules and regulations.

| FEATURES  | FSAIF-Art-90AE2-B    | FSAIF-Art-120AE2-B | FSAIF-Art-180AE2-B | FSAIF-Art-240AE2-B |
|---|----------------------|--------------------|--------------------|--------------------|
| Unique V design                                     | ✓                    | ✓                  | ✓                  | ✓                  |
| Automatic opening panel                             | ✓                    | ✓                  | ✓                  | ✓                  |
| Colored LED lights according to the operation modes | ✓                    | ✓                  | ✓                  | ✓                  |
| WiFi  | optional             | optional           | optional           | optional           |
| "PLASMA" filter                                     | ✓                    | ✓                  | ✓                  | ✓                  |
| "Cold-catalyst" filter                              | ✓                    | ✓                  | ✓                  | ✓                  |
| High density filter                                 | ✓                    | ✓                  | ✓                  | ✓                  |
| Digital display                                     | ✓                    | ✓                  | ✓                  | ✓                  |
| Intelligent Light Detection                         | ✓                    | ✓                  | ✓                  | ✓                  |
| Self cleaning function                              | ✓                    | ✓                  | ✓                  | ✓                  |
| "Follow me" function                                | ✓                    | ✓                  | ✓                  | ✓                  |
| 8°C heating function                                | ✓                    | ✓                  | ✓                  | ✓                  |
| Silent mode   | ✓                    | ✓                  | ✓                  | ✓                  |
| Timer   | 24 h (Time interval) |                    |                    |                    |
| Sleep timer   | ✓                    | ✓                  | ✓                  | ✓                  |
| DRY mode  | ✓                    | ✓                  | ✓                  | ✓                  |
| Anti cold air function                              | ✓                    | ✓                  | ✓                  | ✓                  |
| TURBO mode  | ✓                    | ✓                  | ✓                  | ✓                  |
| 3D airflow SWING                                    | ✓                    | ✓                  | ✓                  | ✓                  |
| Auto changeover (cooling/heating)                   | ✓                    | ✓                  | ✓                  | ✓                  |
| Auto restart  | ✓                    | ✓                  | ✓                  | ✓                  |
| 5 grades outdoor fan speed                          | ✓                    | ✓                  | ✓                  | ✓                  |
| Filter cleaning reminder                            | optional             | optional           | optional           | optional           |
| Refrigerant leakage detect                          | ✓                    | ✓                  | ✓                  | ✓                  |
| 1 W Stand-by  | ✓                    | ✓                  | ✓                  | ✓                  |
| Full size Installation plate                        | ✓                    | ✓                  | ✓                  | ✓                  |
| Infra remote controller                             | ✓                    | ✓                  | ✓                  | ✓                  |
| Inverter  | "3D DC" inverter     | "3D DC" inverter   | "3D DC" inverter   | "3D DC" inverter   |

Specifications and design are subject to change without notice for future improvement.

2016/02