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**SUMMER series
INVERTER R410A**

WALL MOUNTED SPLIT AIR CONDITIONERS

| SPECIFICATIONS | indoor | FSAI-SU-92AE2 | FSAI-SU-122AE2 | FSAIF-SU-182AE2 | FSAIF-SU-242AE2 |
|--|---------------------|--------------------------|---------------------|---------------------|---------------------|
| | outdoor | FSOAI-SU-92AE2 | FSOAI-SU-122AE2 | FSOAI-SU-182AE2 | FSOAI-SU-242AE2 |
| Refrigerant | | R 410A | R 410A | R 410A | R 410A |
| Rated Capacity Cooling * | W | 2600(1025~3220) | 3500(1080~4100) | 5300(1820~6120) | 7000(2670~7880) |
| Rated Capacity Heating * | W | 2930(820~3370) | 3800(880~4220) | 5560(1380~6740) | 7320(1610~8790) |
| SEER / Energy Efficiency Class Cooling | - | 6,2 / A++ | 6,1 / A++ | 6,4 / A++ | 6,1 / A++ |
| SCOP / Energy Efficiency Class Heating | - | 4,0 / A+ | 4,0 / A+ | 4,0 / A+ | 4,0 / A+ |
| Power Input * Cooling/Heating | W | 850 / 960 | 1220 / 1190 | 1660 / 1640 | 2710 / 2650 |
| Running Current * Cooling/Heating | A | 3,7 / 4,2 | 5,4 / 5,2 | 7,3 / 7,2 | 11,9 / 11,6 |
| 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 / 2,2 | 3,5 / 2,3 | 5,3 / 4,2 | 7,0 / 5,4 |
| Annual Energy Consumption ** Cooling/Heating | kWh/a | 147 / 770 | 201 / 805 | 290 / 1470 | 402 / 1890 |
| Declared Capacity (reference design temp: -10°C) | kW | 1,86 | 1,95 | 3,6 | 4,8 |
| Needed Electric Back-up Heater (at -10°C) | kW | 0,34 | 0,35 | 0,6 | 0,6 |
| Bivalent Temperature | °C | -7°C | -7°C | -7°C | -7°C |
| Indoor Air Flow High/Med/Low | (m ³ /h) | 420/320/270 | 570/470/370 | 840/680/540 | 980/800/640 |
| Indoor Sound Pressure Level High/Med/Low | dB(A) | 40/34/29,5 | 41/36/28 | 47/40/35 | 45/39/34 |
| Sound Power Level (High) Indoor/Outdoor | dB(A) | 52/60 | 53/59 | 56/63 | 59/65 |
| Net Weight Indoor/Outdoor | kg | 6,5/25,2 | 7,2/25,5 | 9,5/37,8 | 11,9/48,4 |
| Dimension Indoor (WxHxD) | mm | 715x285x195 | 805x285x195 | 958x302x213 | 1038x325x220 |
| Dimension Outdoor (WxHxD) | mm | 770x555x300 | 770x555x300 | 800x554x333 | 845x702x363 |
| Mounting Dimensions (Outdoor unit) | mm | 487x298 | 487x298 | 514x340 | 540x350 |
| Refrigerant piping Max. refrigerant pipe length | m | 25 | 25 | 30 | 50 |
| Refrigerant piping Max. difference in level | m | 10 | 10 | 20 | 25 |
| Refrigerant piping Pipe Size Liquid side/ Gas side | mm | 6,35/9,53 | 6,35/9,53 | 6,35/12,7 | 9,53/15,9 |
| Refrigerant Type and Charge Quantity | g | R 410A 800g | R 410A 800g | 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 ² | 5x2,5 | 5x2,5 | 5x2,5 | 5x2,5 |
| Power Source Cable *** | x mm ² | outdoor 3x2,5 | outdoor 3x2,5 | outdoor 3x2,5 | outdoor 3x2,5 |
| Operation Outdoor (Cooling/Heating) temperature | °C | -15 ~ 50 / -15 ~ 30 | -15 ~ 50 / -15 ~ 30 | -15 ~ 50 / -15 ~ 30 | -15 ~ 50 / -15 ~ 30 |
| Operation Indoor (Cooling/ Heating) temperature | °C | 17°C - 32°C / 0°C - 30°C | | | |
| Compressor | | 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 | FSAI-SU-92AE2 | FSAI-SU-122AE2 | FSAIF-SU-182AE2 | FSAIF-SU-242AE2 |
|---|----------------------|----------------|------------------|------------------|
| WIFI connection | optional | optional | optional | optional |
| "Plasma" filter | ✓ | ✓ | ✓ | ✓ |
| "Cold-catalyst" filter | ✓ | ✓ | ✓ | ✓ |
| "High Density" filter | ✓ | ✓ | ✓ | ✓ |
| Digital display | ✓ | ✓ | ✓ | ✓ |
| Display light can be switched off | ✓ | ✓ | ✓ | ✓ |
| Infra remote controller | ✓ | ✓ | ✓ | ✓ |
| "Follow me" function | ✓ | ✓ | ✓ | ✓ |
| 8 °C heating function | ✓ | ✓ | ✓ | ✓ |
| Swing (up/down) | ✓ | ✓ | ✓ | ✓ |
| Self cleaning function | ✓ | ✓ | ✓ | ✓ |
| Silent mode | ✓ | ✓ | ✓ | ✓ |
| Timer | 24 h (Time interval) | | | |
| Sleep timer | ✓ | ✓ | ✓ | ✓ |
| DRY mode | ✓ | ✓ | ✓ | ✓ |
| Anti cold air function | | | | |
| TURBO mode | ✓ | ✓ | ✓ | ✓ |
| Auto changeover (cooling/heating) | ✓ | ✓ | ✓ | ✓ |
| Auto restart | ✓ | ✓ | ✓ | ✓ |
| Refrigerant leakage detect | ✓ | ✓ | ✓ | ✓ |
| 5 grades outdoor fan speed | ✓ | ✓ | ✓ | ✓ |
| 1 W Stand-by | ✓ | ✓ | ✓ | ✓ |
| "BLUE FIN" coating on the heat exchangers | ✓ | ✓ | ✓ | ✓ |
| Filter cleaning reminder | optional | optional | optional | optional |
| Full size installation plate | ✓ | ✓ | ✓ | ✓ |
| Auto restart | ✓ | ✓ | ✓ | ✓ |
| Inverter | DC inverter | DC inverter | "3D" DC inverter | "3D" DC inverter |

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