



## SUMMER series INVERTER R410A

### WALL MOUNTED SPLIT AIR CONDITIONERS

SPECIFICATIONS	indoor	FSAI-SU-91AE2	FSAI-SU-121AE2	FSAIF-SU-181AE2	FSAIF-SU-241AE2
	outdoor	FSOAI-SU-91AE2	FSOAI-SU-121AE2	FSOAIF-SU-181AE2	FSOAIF-SU-241AE2
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	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
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
Annual Energy Consumption **	Cooling/Heating	kWh/a	147 / 770	201 / 805	290 / 1470
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 <sup>3</sup> /h)	420/320/270	570/470/370	840/680/540
Indoor Sound Pressure Level	High/Med/Low	dB(A)	40/34/29,5	41/36/28	47/40/35
Sound Power Level (High)	Indoor/Outdoor	dB(A)	52/60	53/59	56/63
Net Weight	Indoor/Outdoor	kg	6,5/25,2	7,2/25,5	9,5/37,8
Dimension	Indoor (WxHxD)	mm	715x285x195	805x285x195	958x302x213
	Outdoor (WxHxD)	mm	770x555x300	770x555x300	800x554x333
Mounting Dimensions (Outdoor unit )	mm	487x298	487x298	514x340	540x350
Refrigerant piping	Max. refrigerant pipe length	m	25	25	30
	Max. difference in level	m	10	10	20
	Pipe Size	mm	6,35/9,53	6,35/9,53	6,35/12,7
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 <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 temperature	Outdoor (Cooling/Heating)	°C	-15 ~ 50 / -15 ~ 30	-15 ~ 50 / -15 ~ 30	-15 ~ 50 / -15 ~ 30
	Indoor (Cooling/ Heating)	°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-91AE2	FSAI-SU-121AE2	FSAIF-SU-181AE2	FSAIF-SU-241AE2
"PLASMA" filter	✓	✓	✓	✓
"Silver ion" 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	✓	✓	✓	✓
3D airflow SWING	✓	✓	✓	✓
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
Inverter	DC inverter	DC inverter	"3D" DC inverter	"3D" DC inverter

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

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