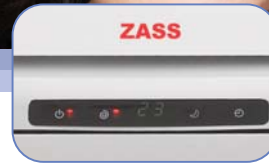


ZASS

AIR CONDITIONERS



Create your own climate



www.zass.com

Grid Panel / LED Display



- Grid front panel
- Led display
- 2 step filter system (HAF,Dust Filter)
- R22 refrigerant
- A energy level*
- Antibacterial plastic material
- One-touch cooling & heating mode selection
- Removable front panel
- Front panel color options
- Vitamin, 3M™ HAF filter options
- User friendly design of remote controller (Backlight, phosforized)
- Hot start function

Grid Panel / Digital Display



- Grid front panel
- LCD display
- Room temperature / Set temperature display
- 4 step filter system (HAF, Photo-Catalyst,Catechine,Dust Filter) (18.000-24.000 Btu HAF, Photo-Catalyst, Dust Filter)
- R22 refrigerant
- A energy level*
- Antibacterial plastic material
- One-touch cooling & heating mode selection
- Removable front panel
- Front panel color options
- Vitamin,3M™. HAF filter options (9.000-12.000 Btu)
- User friendly design of remote controller (Backlight, phosforized)
- Hot start function

Flat Panel LED Display



- Flat front panel
- LCD display
- Room temperature / Set temperature display
- 4 step filter system (HAF, Photo-Catalyst,Catechine,Dust Filter) (18.000-24.000 Btu HAF, Photo-Catalyst, Dust Filter)
- R22 refrigerant
- A energy level*
- Antibacterial plastic material
- One-touch cooling & heating mode selection
- Removable front panel
- Front panel color options
- Vitamin, 3M™ HAF filter options (9.000-12.000 Btu)
- User friendly design of remote controller (Backlight, phosforized)
- Hot start function

Remote Control



- Quick Select Buttons
- Adjustment Buttons
- Fan Speed Select Button
- AUTO (Automatic) / HI (High) / MED (Medium) / LO (Low)
- Running Mode Select Button
- Timer Button
- Sleep Mode Button
- Swing Button
- On / Off Button

Standard Features



Optional Features



A/C SERIES



Front Panel Color Options (White, Metallic Grey, Red, Black)



SERIES		Grid Panel / LED Display				
INDOOR	OUTDOOR	ZSSW-09HRR1R/BIO ZSSW-09HRR1R/ADO	ZSSW-12HRR1R/BIO ZSSW-12HRR1R/ADO	ZSSW-18HRR1R/BIO ZSSW-18HRR1R/ADO	ZSSW-22HRR1R/BIO ZSSW-22HRR1R/ADO	
Capacity						
Cooling	Btu/h	9,000	12,000	18,000	21,500	
	kW	2.64	3.52	5.28	6.30	
Heating	Btu/h	10,200	12,700	20,000	24,000	
	kW	2.99	3.72	5.86	7.03	
Electrical Data						
Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	
Rated Current	Cooling	A	4.10	5.40	8.15	9.60
	Heating	A	3.90	5.05	7.80	10.30
Power Input	Cooling	kW	0.871	1.155	1.735	2.060
	Heating	kW	0.825	1.072	1.620	2.180
EER	Cooling		3.03 / B	3.05 / B	3.04 / B	3.06 / B
COP	Heating		3.62 / A	3.47 / B	3.62 / A	3.23 / C
Performance						
Dehumidifying Capacity	lt/h	0.9	1.26	1.7	2.6	
Air Flow	Indoor	m ³ /h	420	420	750	750
Noise Level	Indoor	dB (A)	34	37	41	40
	Out door	dB (A)	52	54	57	59
General Properties						
Dimensions	In door	mm	770x276x215	770x276x215	980x295x220	980x295x220
	Out door	mm	780x530x320	780x530x320	870x635x360	870x635x360
Net Weight	In door	kg	9.5	10	13	13
	Out door	kg	30	32	40.5	54.5
Max Pipe Length	m	10	10	10	10	
Max Height Difference	m	5	5	5	5	
Flare Connections	Liquid Side	inch - mm	1/4 - 6.35	1/4 - 6.35	1/4 - 6.35	3/8 - 9.52
	Gas Side	inch - mm	3/8 - 9.52	1/2 - 12.7	1/2 - 12.7	5/8 - 15.88
Chargeless Pipe Length	m	5	5	5	5	
Compressor Type		Rotary	Rotary	Rotary	Rotary	
Refrigerant		R22	R22	R22	R22	
Refrigerant Volume	gr	660	850	1350	1630	
Additional Refrigerant	gr/m	15	15	15	15	
Operating Range	°C	-7 / 43	-7 / 43	-7 / 43	-7 / 43	

SERIES		Grid Panel / Digital Display				
INDOOR	OUTDOOR	ZSSW-09HRR1R/PIO ZSSW-09HRR1R/ADO	ZSSW-12HRR1R/PIO ZSSW-12HRR1R/ADO	ZSSW-18HRR1R/PIO ZSSW-18HRR1R/ADO	ZSSW-22HRR1R/PIO ZSSW-22HRR1R/ADO	
Capacity						
Cooling	Btu/h	9,000	12,000	18,000	21,500	
	kW	2.64	3.52	5.28	6.30	
Heating	Btu/h	10,200	12,700	20,000	24,000	
	kW	2.99	3.72	5.86	7.03	
Electrical Data						
Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	
Rated Current	Cooling	A	4.10	5.40	8.15	9.60
	Heating	A	3.90	5.05	7.80	10.30
Power Input	Cooling	kW	0.871	1.155	1.735	2.060
	Heating	kW	0.825	1.072	1.620	2.180
EER	Cooling		3.03 / B	3.05 / B	3.04 / B	3.06 / B
COP	Heating		3.62 / A	3.47 / B	3.62 / A	3.23 / C
Performance						
Dehumidifying Capacity	lt/h	0.9	1.26	1.7	2.6	
Air Flow	Indoor	m ³ /h	420	420	750	750
Noise Level	Indoor	dB (A)	34	37	41	40
	Out door	dB (A)	52	54	57	59
General Properties						
Dimensions	In door	mm	770x276x215	770x276x215	980x295x220	980x295x220
	Out door	mm	780x530x320	780x530x320	870x635x360	870x635x360
Net Weight	In door	kg	9.5	10	13	13
	Out door	kg	30	32	40.5	54.5
Max Pipe Length	m	10	10	10	10	
Max Height Difference	m	5	5	5	5	
Flare Connections	Liquid Side	inch - mm	1/4 - 6.35	1/4 - 6.35	1/4 - 6.35	3/8 - 9.52
	Gas Side	inch - mm	3/8 - 9.52	1/2 - 12.7	1/2 - 12.7	5/8 - 15.88
Chargeless Pipe Length	m	5	5	5	5	
Compressor Type		Rotary	Rotary	Rotary	Rotary	
Refrigerant		R22	R22	R22	R22	
Refrigerant Volume	gr	660	850	1350	1630	
Additional Refrigerant	gr/m	15	15	15	15	
Operating Range	°C	-7 / 43	-7 / 43	-7 / 43	-7 / 43	

SERIES		Flat Panel LED Display				
INDOOR	OUTDOOR	ZSSW-09HRR1R/FIO ZSSW-09HRR1R/ADO	ZSSW-12HRR1R/FIO ZSSW-12HRR1R/ADO	ZSSW-18HRR1R/FIO ZSSW-18HRR1R/ADO	ZSSW-22HRR1R/FIO ZSSW-22HRR1R/ADO	
Capacity						
Cooling	Btu/h	9,000	12,000	18,000	21,500	
	kW	2.64	3.52	5.28	6.30	
Heating	Btu/h	10,200	12,700	20,000	24,000	
	kW	2.99	3.72	5.86	7.03	
Electrical Data						
Power Supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	
Rated Current	Cooling	A	4.10	5.40	8.15	9.60
	Heating	A	3.90	5.05	7.80	10.30
Power Input	Cooling	kW	0.871	1.155	1.735	2.060
	Heating	kW	0.825	1.072	1.620	2.180
EER	Cooling		3.03 / B	3.05 / B	3.04 / B	3.06 / B
COP	Heating		3.62 / A	3.47 / B	3.62 / A	3.23 / C
Performance						
Dehumidifying Capacity	lt/h	0.9	1.26	1.7	2.6	
Air Flow	Indoor	m ³ /h	420	420	750	750
Noise Level	Indoor	dB (A)	34	37	41	40
	Out door	dB (A)	52	54	57	59
General Properties						
Dimensions	In door	mm	770x276x215	770x276x215	980x295x220	980x295x220
	Out door	mm	780x530x320	780x530x320	870x635x360	870x635x360
Net Weight	In door	kg	9.5	10	13	13
	Out door	kg	30	32	40.5	54.5
Max Pipe Length	m	10	10	10	10	
Max Height Difference	m	5	5	5	5	
Flare Connections	Liquid Side	inch - mm	1/4 - 6.35	1/4 - 6.35	1/4 - 6.35	3/8 - 9.52
	Gas Side	inch - mm	3/8 - 9.52	1/2 - 12.7	1/2 - 12.7	5/8 - 15.88
Chargeless Pipe Length	m	5	5	5	5	
Compressor Type		Rotary	Rotary	Rotary	Rotary	
Refrigerant		R22	R22	R22	R22	
Refrigerant Volume	gr	660	850	1350	1630	
Additional Refrigerant	gr/m	15	15	15	15	
Operating Range	°C	-7 / 43	-7 / 43	-7 / 43	-7 / 43	

- The above technical specifications are valid under standard test conditions.
- Cooling Test Conditions: Outdoor Temperature 35 °C (DB), 24 °C (WB)
Indoor Temperature 27 °C (DB), 19 °C (WB)
- Heating Test Conditions: Outdoor Temperature 7 °C (DB), 6 °C (WB) - Indoor Temperature 20 °C (DB)
- The above design and specifications are subject to change without prior notice for product improvement.
- FOR TECHNICAL DETAILS ABOUT R410A UNITS, PLEASE CONTACT SALES DEPARTMENTS.

ENERGY LABELING

ZASS, HIGH EFFICIENCY

As requested by EU, air conditioners are classified on the base of the EER (Energy Efficiency Ratio).

With High Efficiency Technologies, our new product's EER can reach 3.3 being accredited with energy Label A.

The more energy efficient an appliance is, the more money you can save, and the more you help the environment.

EER: Energy efficiency class in cooling mode.

COP: Energy efficiency class in heating mode.

EER			
A	3,20	<	EER
B	3,20	³	EER > 3,00
C	3,00	³	EER > 2,80
D	2,80	³	EER > 2,60
E	2,60	³	EER > 2,40
F	2,40	³	EER > 2,20
G	2,20	³	EER

COP			
A	3,60	<	EER
B	3,60	³	EER > 3,30
C	3,30	³	EER > 3,10
D	3,10	³	EER > 2,80
E	2,80	³	EER > 2,60
F	2,60	³	EER > 2,40
G	2,40	³	EER

Energy Labelling Directions 2002/96/EC, EN 14511



FEATURES



R410A:
Unit operates with R410A refrigerant which is ozone-friendly and high energy saving refrigerant



Hydrophilic Aluminum Fin:
The cooling efficiency of the indoor unit is improved by enabling the unrestricted flow of condensate between the heat exchange fins. The heating efficiency of the outdoor unit is improved by accelerating the defrosting process.



Timer Feature:
The timer can be preset to start and stop the unit within a 24 hour period.



Diagnostic Display:
Error code is displayed for fast and easy maintenance when a problem occurs.



Valve Protection Cover:
It protects the valves and prevents water from dripping.



Lock:
Keys on remote controller are locked to prevent wrong operation.



Heat Pump



Independent Humidification:
The unit reduces the humidity without lowering the room temperature



Quiet Operation:
Specially designed air ventilation pieces reduce operation noise.



Sleep Function:
Temperature gently rises or falls automatically to maintain comfortable room temperature and saves energy.



Clock Display:
Real time clock is displayed on the LCD screen of the remote control.



Intelligent Defrosting:
Auto defrosting is performed if necessary, it improves unit's heating efficiency and saves energy.



Auto Restart:
After power cut off during unit operation If there is any electricity cut when the unit is operating,



LCD Display:
The operating mode and room temperature features are shown on the LCD.



5 Bend Heat Exchangers:
Compared with 3 bend heat exchangers higher efficiencies are obtained by 5 bend design. (9.000/12.000 Btu/h)



Trapeziform Innergroove Tube:
It allows more adequate refrigerant to go through, improving heat exchange efficiency and lowers power consumption.



Swing Feature:
Louvers are set to distribute air in a fixed angle or swing between two angles.



Time Delay:
Compressor delays operation when there is mode change or failure.



Easy Cleanig Panel:
The front panel may be easily removed for periodic cleaning.



Illuminated Display:
Remote control LCD display is illuminated for better sight and convenience.



3 Bend Heat Exchanger:
Compared with conventional models 3 bend heat changers increase the heat exchange surface. (18.000/22.000 Btu/h)



4-Speed Fan:
4-speed fan is for optimum comfort.



Compact Design:
Professional compact desing results in smaller units.



Filters:
Vitamin, 3M™ HAF filter.

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