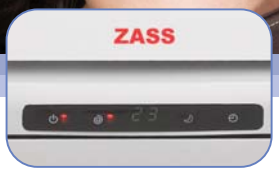
ZASS

AIR CONDITIONERS



Create your own climate

RoHS COMPLIANT

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

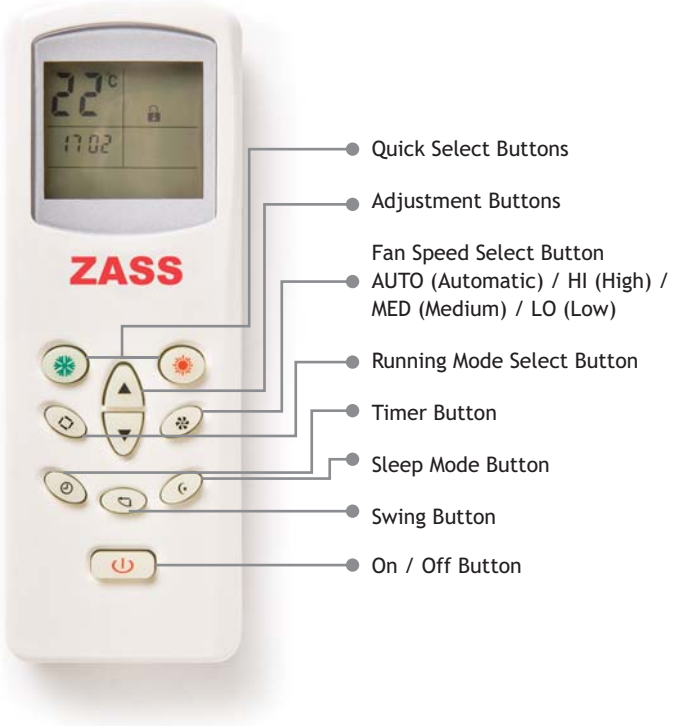
Grid Panel / Digital Display

- 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

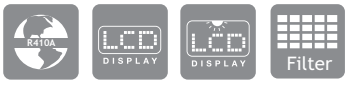
- Flat front panel
- LCD display
- Room temperature / Set temperature display
- 4 step filter system (HAF, Photo-Catalyst,Catechine,Dust Filter) (18.000-24.000 Btu HAF, Photo-Catalyst, Dust Filter)
- R22 refrigerant
- A energy level*
- Antibacterial plastic material
- One-touch cooling & heating mode 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



Standard Features

Optional Features



A\C SERIES

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

SERIES			Grid Panel / LED Display			
INDOOR			ZSSW-09HRR1R/BIO	ZSSW-12HRR1R/BIO	ZSSW-18HRR1R/BIO	ZSSW-22HRR1R/BIO
OUTDOOR			ZSSW-09HRR1R/ADO	ZSSW-12HRR1R/ADO	ZSSW-18HRR1R/ADO	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	m3/h	420	420	750	750
Noise Level	Out door	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	780x530x320	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 Hight 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
Compessor 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			ZSSW-09HRR1R/FIO	ZSSW-12HRR1R/FIO	ZSSW-18HRR1R/FIO	ZSSW-22HRR1R/FIO
OUTDOOR			ZSSW-09HRR1R/ADO	ZSSW-12HRR1R/ADO	ZSSW-18HRR1R/ADO	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	m3/h	420	420	750	750
Noise Level	Out door	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	780x530x320	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 Hight 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
Compessor 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			ZSSW-09HRR1R/PIO	ZSSW-12HRR1R/PIO	ZSSW-18HRR1R/PIO	ZSSW-22HRR1R/PIO
OUTDOOR			ZSSW-09HRR1R/ADO	ZSSW-12HRR1R/ADO	ZSSW-18HRR1R/ADO	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	m3/h	420	420	750	750
Noise Level	Out door	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	780x530x320	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 Hight 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
Compessor 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 classifield 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-frendly and high energy saving refrigerant

Heat Pump

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

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

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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Compact Design: Professional compact desing results in smaller units.

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

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

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

Filters: Vitamin, 3M™ HAF filter.

ZASS

AIRFEL A.Ş.
ADDRESS: HÜRRİYET MAH. E-5 YAN YOL ÜZERİ NO: 57 34876 KARTAL İSTANBUL TURKEY
P: +90 216 453 27 00 (PBX) F: +90 216 671 06 00-01 E-MAIL: EXPORT@ZASS.COM