



Z-COOL Series

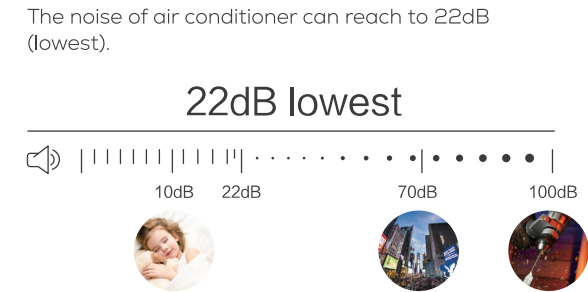
European New
Efficiency
DC Inverter Split



ZERO IS THE BEGINNING.

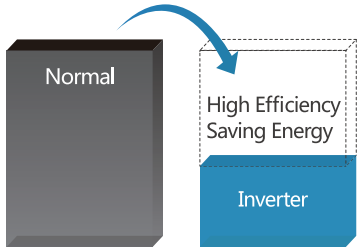
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Super Quiet: 22dB lowest



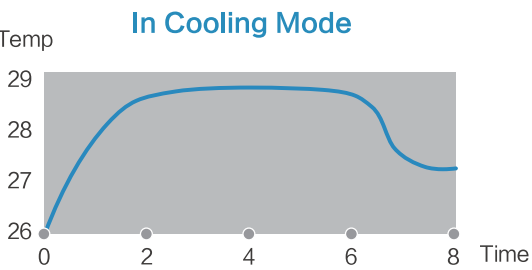
High Efficiency

Larger air inlet and outlet and optimized duct system largely increases its efficiency and saves energy consumption.



Sleep Mode

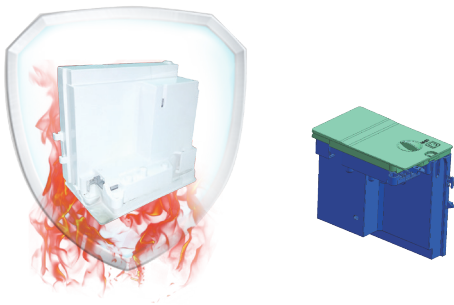
Keep you away from an under-cooling or over-heating sleep.



While set on sleep mode, the air conditioner will automatically increase set temperature 1°C (ST+1 °C) 1 hour later, ST+2 °C after 1 more hour and keep the same condition after that .

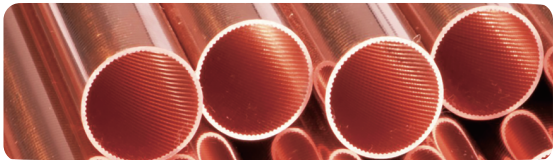
Fireproof Electric Control Box

The box is optimized with larger space for safety and functional requirement.
Easy disassembly and maintenance.



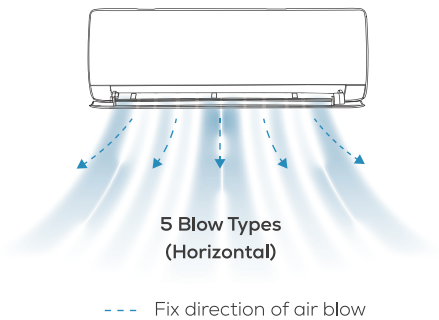
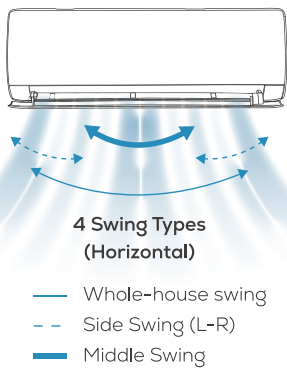
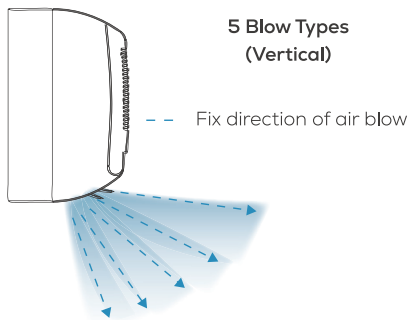
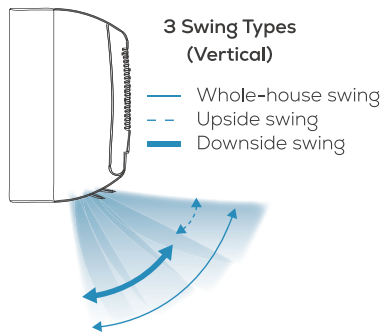
Inner-grooved Copper Tubes

With the high quality inner-grooved copper, the thermal conductivity will be significantly improved 20-30% more than that of smooth tubes, because the surface area of the inner copper wall is increased, which will significantly improve thermal conductivity.



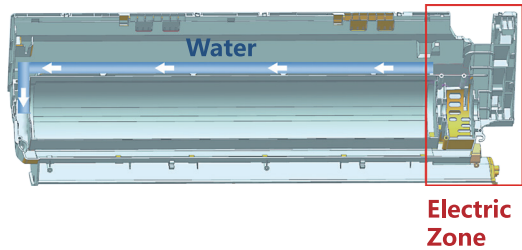
Vector Precision Air Supply

Various precise fixed angle of air supply can provide more comfortable choices for users.

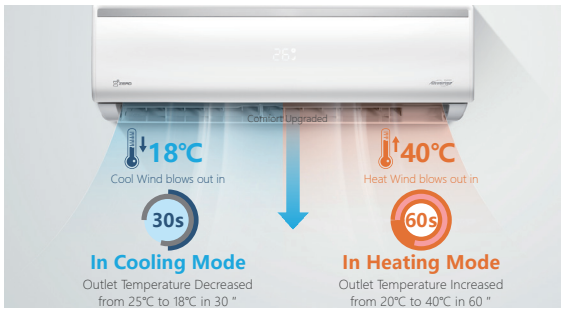


Safety Design

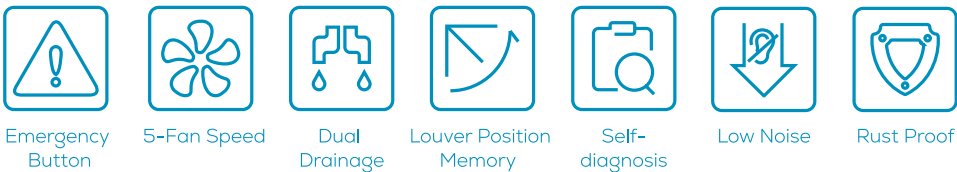
- No Connection Between Condensate Water & Electricity.



Rapid Cooling in 30"
Rapid Heating in 60"



Standard





SPLIT TYPE AIR CONDITIONER

OUTDOOR UNIT



MANUAL
ON/OFF



2-WAY
DRAINING



DIGITAL
DISPLAY



GOLD FIN



HIGH DENSIT
FILTER



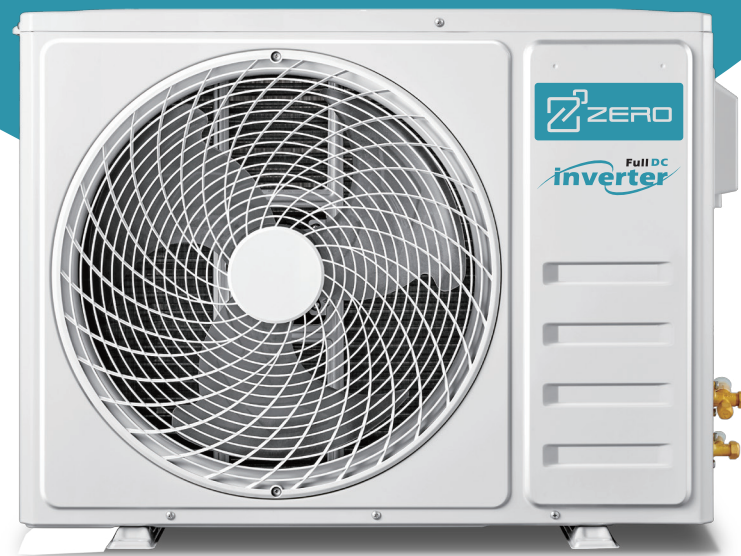
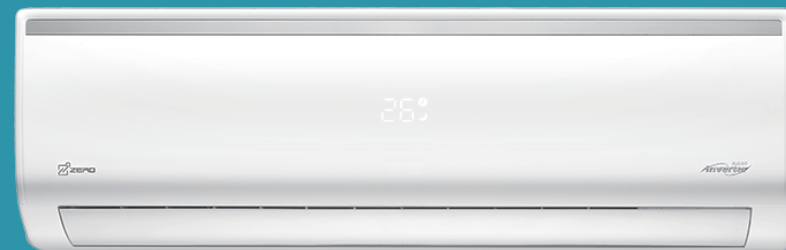
REFRIGERANT LEAKAGE
DETECT



MUTE
OPERATION



HEAVY-DUTY



R32

R32 New Efficiency DC Inverter Heat Pump

Model No.			ZMSA-09HVT-EU	ZMSA-12HVT-EU	ZMSA-18HVT-EU	ZMSA-24HVT-EU
Type			heating pump	heating pump	heating pump	heating pump
Control type			remote controller	remote controller	remote controller	remote controller
Declared cooling capacity	W		2600(940~3300)	3400(1000~3770)	5100(1250~5910)	6810(1830~7800)
Declared heating capacity	W		2610(940~3360)	3420(1000~3810)	5100(1250~6070)	6870(1850~7900)
Pdesignc	W		2600	3400	5100	6800
SEER declared	W/W		6.1	6.1	6.1	6.1
Energy Class			A++	A++	A++	A++
EER declared	W/W		3.15	3.01	3.23	3.11
COP declared	W/W		3.4	3.4	3.71	3.33
Pdesignh Average	W		2000	2100	3800	4800
SCOP Average declared	W/W		4.0	4.0	4	4.0
Energy Class(Average)			A+	A+	A+	A+
Declare capacity(-10℃)	W		1900	2000	3600	4500
Back up heating capacity(-10℃)	W		100	100	200	300
Pdesignh warmer	W		2200	2400	5000	5800
SCOP Warmer declared	W/W		5.1	5.1	5.1	5.1
Energy Class(Warmer)			A+++	A+++	A+++	A+++
Declare capacity(2℃)	W		2200	2400	5000	5800
Back up heating capacity(2℃)	W		0	0	0	0
Pdesignh colder	W		/	/	4000	4700
SCOP Colder declared	W/W		/	/	3.4	3.4
Energy Class(Colder)			/	/	A	A
Declare capacity(-22℃)	W		/	/	3700	4400
Back up heating capacity(-22℃)	W		/	/	300	300
Annual energy consumption	Cooling	kwh/a	149	195	293	390
	Average	kwh/a	700	735	1330	1680
	Warmer	kwh/a	604	659	1373	1592
Moisture removal		Liters/h	1	1.2	1.5	1.8
Indoor sound power(S/H/M/L/ Mute)		dB(A)	50/47/43/35/32	50/47/43/35/32	53/50/47/43/36	54/51/48/44/40
Outdoor sound power		dB(A)	60	60	65	67
Indoor sound pressure(S/H/M/L/ Mute)		dB(A)	40/37/33/25/22	40/37/33/25/22	43/41/38//35/27	44/41/38/34/30
Outdoor sound pressure		dB(A)	50	50	55	57
Power supply			220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/1P	220-240V~/50Hz/1P
Power supply side			Outdoor	Outdoor	Outdoor	Outdoor
Voltage Range		V	165~265	165~265	165~265	165~265
Operating current	Cooling	A	4.0(1.2~8.0)	5.8(1.5 ~ 9.0)	8.1(1.7~12.0)	10.7(2.3~12.3)
	Heating	A	3.8(1.2~9.0)	5.1(1.5 ~ 10.0)	7.0(1.7~13.0)	9.9(2.3~13.5)
Power consumption	Cooling	W	825(240 ~ 1380)	1130(290 ~ 1500)	1580(330~2340)	2257(410~2824)
	Heating	W	767(240 ~ 1552)	1005(290 ~ 1720)	1374(340~2520)	2063(420~3005)

R32 New Efficiency DC Inverter Heat Pump



Model No.			ZMSA-09HVT-EU	ZMSA-12HVT-EU	ZMSA-18HVT-EU	ZMSA-24HVT-EU
Refrigerant type/Charge/GWP/CO2 equivalent			R32/0.45kg/675/0.304tonnes	R32/0.49kg/675/0.331tonnes	R32/1kg/675/0.675tonnes	R32/1.14kg/675/0.770tonnes
Compressor		Type	Rotary	Rotary	Rotary	Rotary
		MFG	RECHI	RECHI	GMCC	SANYO
Indoor air circulation	Cooling/heating	m3/h	420/420	550/550	800/800	980/980
Indoor fan type			Cross Flow	Cross Flow	Cross Flow	Cross Flow
Indoor fan speed S/H/M/L/Mute	Cooling	rpm	1400/1300/1100/1000/900	1350/1200/1000/850/750	1400/1260/1050/870/800	1250/1200/1050/950/800
	Heating	rpm	1400/1300/1100/1000/900	1250/1150/1000/900/800	1400/1260/1050/870/800	1250/1200/1050/950/800
	Dry	rpm	1000	850	870	950
	Sleep	rpm	/	/	/	/
Outdoor fan type			Propeller fan	Propeller fan	Propeller fan	Propeller fan
Outdoor air circulation		m3/h	1700	1700	2600	3000
Outdoor fan speed(S/H/M/L/ Mute)		rpm	"Cooling:930/930/830/730/630 Heating:930/930/830/730/630"	"Cooling:1000/910/830/710/710 Heating:950/950/830/710/710"	"Cooling:910/830/710/630/450 Heating:910/830/710/630/450"	"Cooling:930/830/690/570/450 Heating:890/830/690/590/450"
Connecting Wiring		Core x Size	4×0.75mm²	4×0.75mm²	4×0.75mm²	4×0.75mm²
Expansion device			Capillary	Capillary	Capillary	Capillary
Connecting Pipe	Gas	Inches	3/8"	3/8"	3/8"	1/2"
	Liquid	Inches	1/4"	1/4"	1/4"	1/4"
Application area		m²	9~16	14~22	20~35	27~45
Max. refrigerant pipe length		m	25	25	25	25
Max. difference in level		m	10	10	10	10
Operation temperature range		℃	16-31	16-31	16-31	16-31
Ambient temperature range	Outdoor	℃	Cooling:-15-53/ Heating:-20-30	Cooling:-15-53/ Heating:-20-30	Cooling:-15-53/ Heating:-20-30	Cooling:-15-53/ Heating:-20-30
	Indoor	℃	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30	Cooling:17-32/Heating:0-30
Net dimensions	Indoor	mm	698×255×190	777×250×201	910×294×206	1010×315×220
(W x H x D)	Outdoor	mm	712×276×459	712×276×459	853×602×349	920×699×380
Net weight	Indoor	kg	6.5	7.5	10	13
	Outdoor	kg	22	22	35	40
Packing dimensions	Indoor	mm	764×325×257	840×315×260	979×372×277	1096×390×297
(W x H x D) w/o pipe	Outdoor	mm	765×310×481	765×310×481	890×628×385	960×732×400
w/i pipe	Outdoor	mm	/	/	890×628×385	960×732×430
Gross weight	Indoor	kg	8.5	10	13	16
	Outdoor	kg	"24(w/o pipe) 25(w/i pipe)"	"24(w/o pipe) 25(w/i pipe)"	"38(w/o pipe) 39(w/i pipe)"	"43(w/o pipe) 46(w/i pipe)"
Loading Capacity w/o pipe		40'HQ	370	350	210	155

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