



Z-MAX US R454B SERIES

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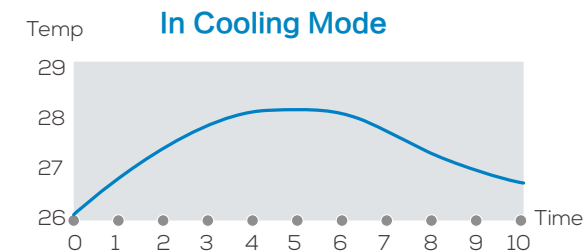


Full DC
inverter

Z-MAX SERIES

Sleep Mode

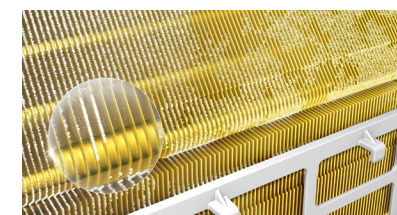
Keep you away from an under-cooling or over-heating sleep



In the new sleep mode, the air conditioner will slowly increase the temperature until the middle period, then slowly decrease the temperature and return to the initial set value to maintain a comfortable sleep temperature during the night.

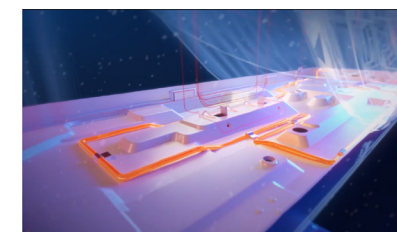
Intelligent Defrost

It is available for the automatic defrosting. After the defrosting is completed, it will automatically reverse to the heating operation; accordingly, it can not only fully ensure the heating effect of the air conditioner but also show a more durable effect.



ODU chasiss Belt

Chassis heating belt is applied to preventing frosting or freezing of the bottom plat in winter.



Low Temperature Heating

-15°C Strong Heating in Low Ambient Temperature



Chassis heating belt & highly efficient compressor

Through the chassis heating belt & highly efficient compressor, the unit is able to perform excellent heating in the ambient temperature of down to -15°C.

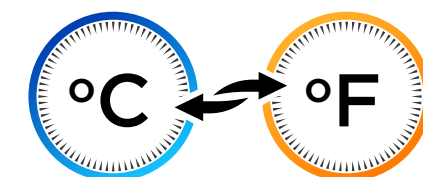
Smart WI-FI Control

Users can easily control the air-con outside the house via smart device, it provides convenient and intelligent life.



Celsius And Fahrenheit Degree Switch

Temperature display can be switch between Fahrenheit and centigrade Degree.



55°C High Temperature Self-cleaning

* Heat Pump Only



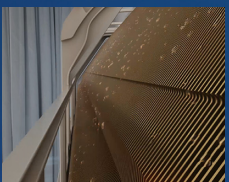
Evaporator is frosted to freeze the dirt on the fin then starts defrosting to generate a large amount of water to brush away the dirt.
After 55°C quick-drying, the evaporator becomes cleaner & more sterile.



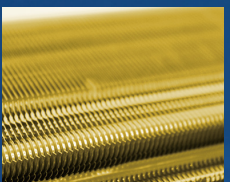
Frosting



Defrosting



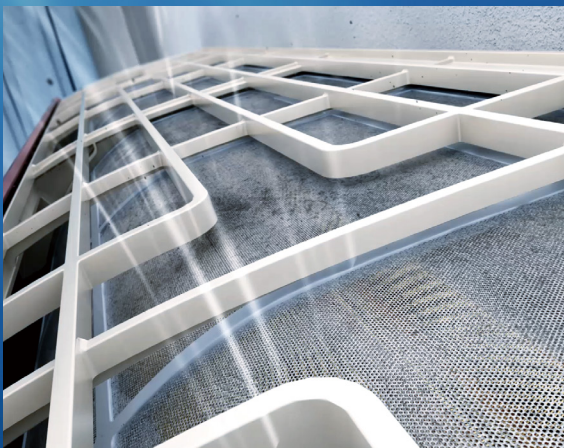
55°C High Temperature Drying



Cleaner & More Sterilized

Filter-cleaning Reminder

After running for a particular period, the air-con will automatically detect the cleanliness of the filter and remind users of filter cleaning to avoid too much bacteria being accumulated on the filters and provide users with healthy air.



CL

Auto-reminder



Healthy Filter



Photocatalyst Filter



Silver ion Filter



Active Carbon Filter



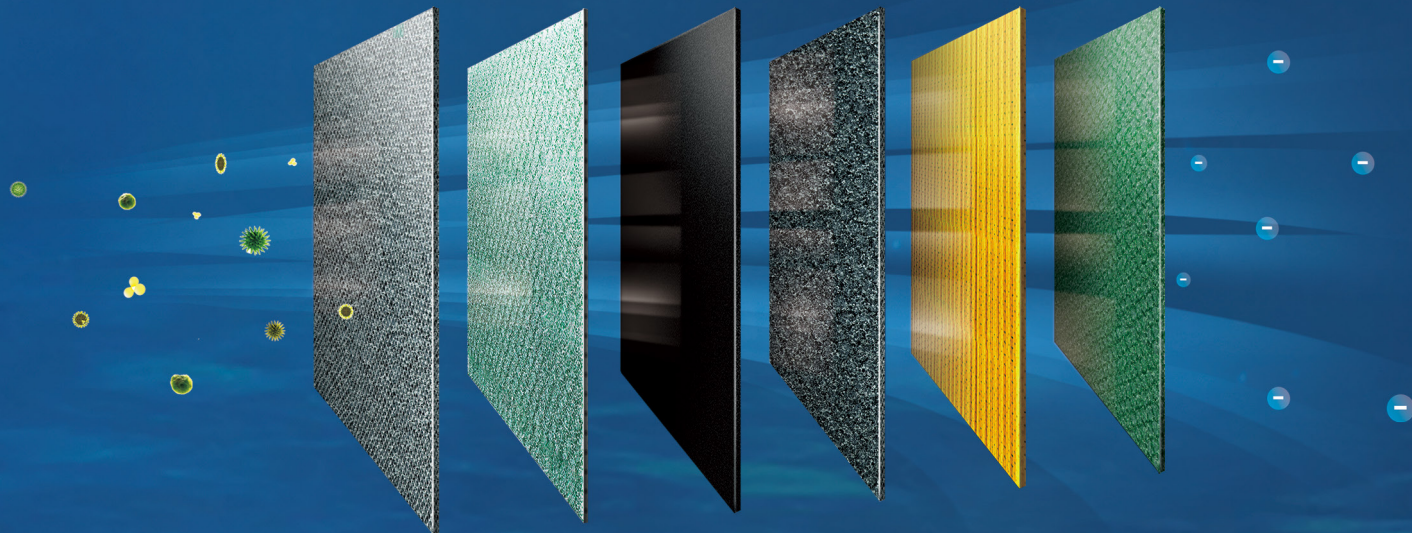
Catechin Filter



Vitamin C Filter



Catalyst Filter



Z-MAX US R454B 20SEER2 60Hz Heat Pump Inverter

Model			ZMSB-09HVT110-USR2	ZMSB-12HVT110-USR2	ZMSB-09HVT-USR2
Power supply			115V~/60Hz/1P	115V~/60Hz/1P	208/230V~/60Hz/1P
Rated Cooling (95F/35C)	Rated cooling capacity (95F/35C)	Btu/h	9000	12000	9000
	EER2 (95F/35C)	Btu/W.h	11.0	11.0	11.0
	SEER2	Btu/W.h	19.0	20.0	20.0
Rated Heating	Rated Heating capacity(47F/8.3C)	Btu/h	10000	12400	10000
	HSPF2 Rating (Region IV)	Btu/W.h	9	9	9
	COP2 (47F/8.3C)	W/W	3.41	3.41	3.41
	Max. Heating capcacity (5°F/-15°C)	W/W	7200	8700	7200
	COP2 (5°F/-15°C)	W/W	1.8	1.8	1.8
NEEP, Canada			YES	YES	YES
Max. Fuse size		A	25	25	15
Moisture removal		Liters/h	1.1	1.6	1.1
Maximum Operation Pressure		PSIG	550	550	550
Indoor noise level at cooling	Turbo/High/Med./Low/Mute		Pending	Pending	Pending
Outdoor noise level		dB(A)	Pending	Pending	Pending
Indoor Packing dimensions (W x D x H)	mm		885x366x275	885x366x278	885x366x275
	inch		34.84x14.40x10.94	34.84x14.40x10.94	34.84x14.40x10.94
Outdoor Packing dimensions (W x D x H) (with pipe)	mm		838x338x550	838x338x550	838x338x550
	inch		33.00x13.31x21.65	33.00x13.31x21.65	33.00x13.31x21.65
Factory Precharge Line		(m/ft)	7.5 / 25	7.5 / 25	7.5 / 25
Maximum Line Length		(m/ft)	15 / 50	15 / 50	15 / 50
Maximum Height Difference Between Indoor and Outdoor		(m/ft)	10 / 33	10 / 33	10 / 33
Additional refrigerant charge		(g/m, oz/ft)	10 / 0.11	10 / 0.11	10 / 0.11
Operation temperature		°C	16~31	16~31	16~31
Ambinet temperature	Indoor(cooling/ heating)	°C	>=17/<=30	>=17/<=30	>=17/<=30
	Outdoor(cooling/heating)	°C	-15~50/-20~30	-15~50/-20~30	-15~50/-20~30
Ambinet temperature	Indoor(cooling/ heating)	F	>=62/<=86	>=62/<=86	>=62/<=86
	Outdoor(cooling/heating)	F	5~122/-4~86	5~122/-4~86	5~122/-4~86
Loading Capacity (IN+OUT)		40'HC (with pipe)	270	270	270
Loading Capacity (INOOR)		40'HC/ 40'GP/ 20'GP	718/638/302	718/638/302	718/638/302
Loading Capacity (OUT)		40'HC/ 40'GP/ 20'GP(with pipe)	360/358/167	360/358/167	360/358/167

Model			ZMSB-12HVT-USR2	ZMSB-18HVT-USR2	ZMSB-24HVT-USR2	ZMSB-36HVT-USR2
Power supply			208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P
Rated Cooling (95F/35C)	Rated cooling capacity (95F/35C)	Btu/h	12000	18000	24000	36000
	EER2 (95F/35C)	Btu/W.h	11.0	10.0	10.0	9.0
	SEER2	Btu/W.h	20.0	19.5	19.5	19.0
Rated Heating	Rated Heating capacity(47F/8.3C)	Btu/h	12400	19000	24400	36000
	HSPF2 Rating (Region IV)	Btu/W.h	9	9	8.5	8.5
	COP2 (47F/8.3C)	W/W	3.41	3.41	3.21	3.01
	Max. Heating capcacity (5°F/-15°C)	W/W	8700	11200	15400	21300
	COP2 (5°F/-15°C)	W/W	1.8	1.8	1.8	1.8
NEEP, Canada			YES	NO	NO	NO
Max. Fuse size		A	15	20	30	35
Moisture removal		Liters/h	1.6	2.2	2.6	3
Maximum Operation Pressure		PSIG	550	550	550	550
Indoor noise level at cooling	Turbo/High/Med./Low/Mute		Pending	49/47/42/37/32	52/50/44/38/36	52/49/43/38/36
Outdoor noise level		dB(A)	Pending	56	58	63
Indoor Packing dimensions (W x D x H)	mm		885x366x278	1096×390×300	1265×435×337	1265×435×337
	inch		34.84x14.40x10.94	43.15x15.35x11.81	49.80x17.13x13.27	49.80x17.13x13.27
Outdoor Packing dimensions (W x D x H) (with pipe)	mm		838x338x550	900×405×655	960×430×750	1028×480×860
	inch		33.00x13.31x21.65	35.43x15.94x25.79	37.79x16.92x29.53	40.47x18.70x33.86
Factory Precharge Line		(m/ft)	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25
Maximum Line Length		(m/ft)	15 / 50	20 / 65	20 / 65	30 / 98
Maximum Height Difference Between Indoor and Outdoor		(m/ft)	10 / 33	15 / 49	15 / 49	20 / 65
Additional refrigerant charge		(g/m, oz/ft)	10 / 0.11	10 / 0.11	10 / 0.11	10 / 0.11
Operation temperature		°C	16~31	16~31	16~31	16~31
Ambinet temperature	Indoor(cooling/ heating)	°C	>=17/<=30	>=17/<=30	>=17/<=30	>=17/<=30
	Outdoor(cooling/heating)	°C	-15~50/-20~30	-15~50/-20~30	-15~50/-20~30	-15~50/-20~30
Ambinet temperature	Indoor(cooling/ heating)	F	>=62/<=86	>=62/<=86	>=62/<=86	>=62/<=86
	Outdoor(cooling/heating)	F	5~122/-4~86	5~122/-4~86	5~122/-4~86	5~122/-4~86
Loading Capacity (IN+OUT)		40'HC (with pipe)	270	180	154	105
Loading Capacity (INOOR)		40'HC/ 40'GP/ 20'GP	718/638/302	476/417/198	322/276/126	322/276/126
Loading Capacity (OUT)		40'HC/ 40'GP/ 20'GP(with pipe)	360/358/167	274/207/100	189/187/89	143/96/44



24H Timer



Turbo Mode



Display On/off



Four way Auto Swing



High temperature (55 °C) cooling



Self-diagnosis



Refrigerant Leakage Detector



Fire-proof Electrical Box



Auto-restart



Follow Me /I Feel



Healthy filter



8°C heating

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