



Z-MAX US HYPER HEAT R454B SERIES



Top opened Dust Filter of IDU

It is applied top opened filter that is integrated with high density filter. Also, it is optional to have multiple combination of healthy filters for effective air filtering in the room.

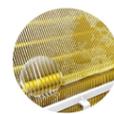


High Temperature Self-cleaning & Sterilization

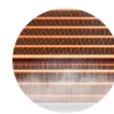
- * Heat Pump DC Inverter Only
- * Optional



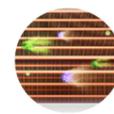
Frosting



Defrosting



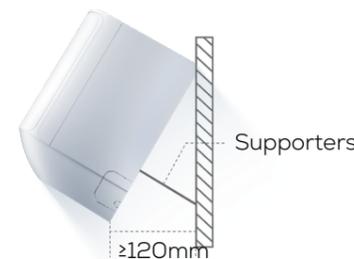
High Temperature Drying



56°C High Temperature Sterilization

Easy Installation Supporter for IDU Plate

Optimized Installation Plate



Convenient Installation

- Gap ≥ 120 MM
- Supporters Available

Low Temperature Heating

-25°C Ambient: Still can work stable.



Deep Easy Clean for IDU Air-channel

The bottom plate, louver & vanes can be easily disassembled & assembled within 20", Which will be easy to clean the duct system, including wiping the cross fan when it is power off.



USB-WIFI Control to Alexa and Google Dot

Users can easily control the air-con outside the house via smart device. Through cloud data analysis and voice command, the unit can be controlled by voice, through the Alexa and Google Dot



55°C High Temperature Self-cleaning

* Heat Pump Only



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

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



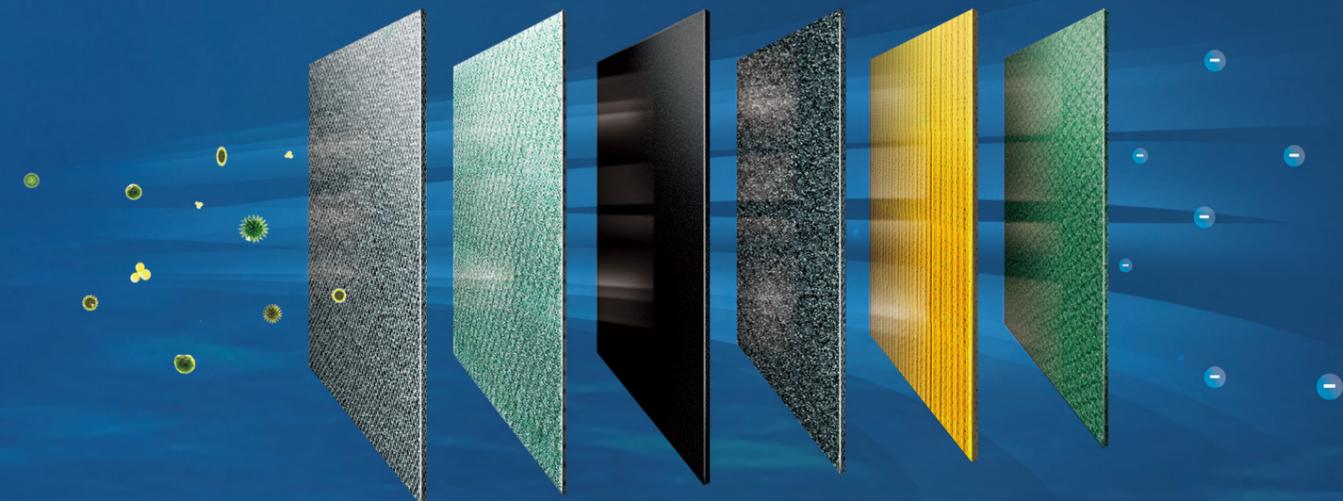
Defrosting



55°C High Temperature Drying



Cleaner & More Sterilized



Technical Specification of Z-MAX US Hyper Heat R454B Series--24 SEER2

ZERO Model		ZMSB-09HVT110-USHHR2	ZMSB-12HVT110-USHHR2	ZMSB-09HVT-USHHR2
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
	EER2 (95F/35C)	Btu/W.h	13.0	12.5
	SEER2	Btu/W.h	24.0	22.0
Rated Heating	Rated Heating capacity(47F/8.3C)	Btu/h	10000	12000
	HSPF2 Rating (Region IV)	Btu/W.h	10	9.5
	COP2 (47F/8.3C)	W/W	3.81	3.61
	Max. Heating capacity (5°F/-15°C)	W/W	7700	8950
	COP2 (5°F/-15°C)	W/W	2.0	2.0
NEEP, Canada		YES	YES	YES
Max. Fuse size	A	25	25	15
Moisture removal	Liters/h	1.1	1.6	1.1
MXimum Operation Pressure	PSIG	550	550	550
Indoor Packing dimensions (W x D x H)	mm	890×380×265	990×380×265	890×380×265
	inch	35.04×14.96×10.43	38.98×14.96×10.43	35.04×14.96×10.43
Outdoor Packing dimensions (W x D x H) (with pipe)	mm	852×358×610	852×358×610	852×358×610
	inch	33.54×14.09×24.02	33.54×14.09×24.02	33.54×14.09×24.02
Loading Capacity (IN+OUT)	40'HC (with pipe)	229	224	229
Loading Capacity (INLOOR)	40'HC/ 40'GP/ 20'GP	713/610/287	650/556/260	713/610/287
Loading Capacity (OUT)	40'HC/ 40'GP/ 20'GP(with pipe)	344/258/120	344/258/120	344/258/120
Factory Precharge Line	(m/ft)	7.5 / 25	7.5 / 25	7.5 / 25
MXimum Line Length	(m/ft)	15 / 50	15 / 50	15 / 50
MXimum Height Difference Between Indoor and Outdoor	(m/ft)	10 / 33	10 / 33	10 / 33
Additional refrigerant charge	(g/m, oz/ft)	20 / 0.22	20 / 0.22	20 / 0.22
Operation temperature	°C	16~31	16~31	16~31
Ambinet temperature	Indoor(cooling/ heating)	°C	>=17/<=30	>=17/<=30
	Outdoor(cooling/heating)	°C	-15~-55/-25~30	-15~-55/-25~30
Ambinet temperature	Indoor(cooling/ heating)	F	62~89/32~86	62~89/32~86
	Outdoor(cooling/heating)	F	5~131/-13~86	5~131/-13~86

ZERO Model		ZMSB-12HVT-USHHR2	ZMSB-18HVT-USHHR2	ZMSB-24HVT-USHHR2
Power supply		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
	EER2 (95F/35C)	Btu/W.h	13.0	13.0
	SEER2	Btu/W.h	23.0	22.0
Rated Heating	Rated Heating capacity(47F/8.3C)	Btu/h	12000	18500
	HSPF2 Rating (Region IV)	Btu/W.h	9.5	9.3
	COP2 (47F/8.3C)	W/W	3.61	3.61
	Max. Heating capacity (5°F/-15°C)	W/W	8950	13600
	COP2 (5°F/-15°C)	W/W	2.0	2.0
NEEP, Canada		YES	YES	YES
Max. Fuse size	A	15	20	30
Moisture removal	Liters/h	1.6	2.2	2.6
MXimum Operation Pressure	PSIG	550	550	550
Indoor Packing dimensions (W x D x H)	mm	990×380×265	1165×405×295	1165×405×295
	inch	38.98×14.96×10.43	45.87×15.95×11.61	45.87×15.95×11.61
Outdoor Packing dimensions (W x D x H) (with pipe)	mm	852×358×610	960×430×750	1028×485×850
	inch	33.54×14.09×24.02	37.79×16.92×29.53	40.47×19.09×33.46
Loading Capacity (IN+OUT)	40'HC (with pipe)	224	150	117
Loading Capacity (INLOOR)	40'HC/ 40'GP/ 20'GP	650/556/260	498/422/204	498/422/204
Loading Capacity (OUT)	40'HC/ 40'GP/ 20'GP(with pipe)	344/258/120	189/187/89	144/96/44
Factory Precharge Line	(m/ft)	7.5 / 25	7.5 / 25	7.5 / 25
MXimum Line Length	(m/ft)	15 / 50	20 / 65	20 / 65
MXimum Height Difference Between Indoor and Outdoor	(m/ft)	10 / 33	15 / 49	15 / 49
Additional refrigerant charge	(g/m, oz/ft)	20 / 0.22	20 / 0.22	20 / 0.22
Operation temperature	°C	16~31	16~31	16~31
Ambinet temperature	Indoor(cooling/ heating)	°C	>=17/<=30	>=17/<=30
	Outdoor(cooling/heating)	°C	-15~-55/-25~30	-15~-55/-25~30
Ambinet temperature	Indoor(cooling/ heating)	F	62~89/32~86	62~89/32~86
	Outdoor(cooling/heating)	F	5~131/-13~86	5~131/-13~86



ZERO TECHNOLOGIES CO., LTD

website: www.zerohvacr.com

E-mail: info@zerohvacr.com

Phone: 86-0756-3353530