



THERMOFLUX Products

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11 GLOBAL LEADING TECHNOLOGIES RECOGNIZED

A Professional & Innovative AC Specialist of Healthy Air Management, Heat pumps & Thermal Energy Management



AI-Driven Energy Saving Technology



Inverter Energy-saving Technology
Patented No.: ZL202122040330.1
ZL202110667847.5



Large Fresh Air Volume & Low Noise Technology
Patented No.: ZL202111432276.3



Smart Fresh Air Technology for Deep Sleep Optimization



Gentle Cool Wind
Patented No.: ZL 201721584326.9



High-efficiency, Energy-saving & Low Noise Fresh Air Technology
Patented No.: ZL202210627716.9



AI Free Talk Voice Control Technology



Strong Cooling in High Ambient Temp.
Patented No.: ZL201820569699.7



Energy-saving Heat Pump Technology
Patented No.: ZL202110665063.9



AI Energy-saving Technology for VRF Systems



Electricity Consumption Management
Patented No.: ZL201910665336.2

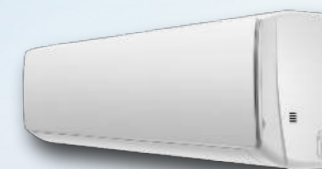


55°C High Temperature Self-cleaning

* 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.



Healthy Filter



Photocatalyst Filter



Catechin Filter



Silver ion Filter



Vitamin C Filter



Active Carbon 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



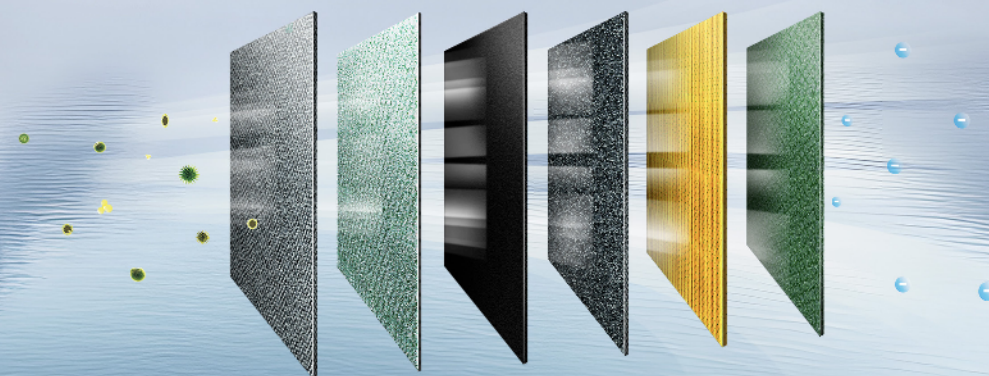
Defrosting



55°C High Temperature Drying



Cleaner & More Sterilized



T-PRO SERIES

SPLIT AIR-CON



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

Low Temperature Heating

-22°F Ambient: Still can work stable.



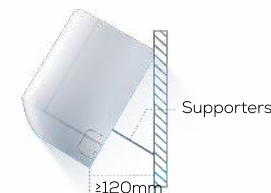
Deep Easy Clean for IDU Air-channel

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.



Easy Installation Supporter for IDU Plate

Optimized Installation Plate



Convenient Installation

- Gap ≥120 MM
- Supporters Available

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.



T-pro Series

- ✓ 9K-24K Energy star & Neep models
- ✓ Detachable bottom plate for easy installation
- ✓ Quick replacement PCB for easy maintenance
- ✓ Comfortable gentle cool air flow
- ✓ Rapid cooling up to 30 seconds
- ✓ 131°F strong cooling in high ambient temp.
- ✓ Low ambient heating -13°F
- ✓ 133°F high temperature self cleaning and sterilization
- ✓ 4 way air flow
- ✓ Anti cold air
- ✓ Sleep mode
- ✓ Eco mode



Product Positioning	Platform	Cooling capacity	Refrigerator
High-end	T-pro	9~24K	R454B

Product line - **Single Zone** Mini Split AC

T-Pro Series* COOL & HEAT

Capacity (Btu/h)	Voltage (V)	Cooling Capacity (Btu/h)	Heating Capacity (Btu/h)		SEER2 (Btu/W.h)		HSPF2 IV (Btu/W.h)		EER2 (Btu/W.h)		COP2 (5°F/-15°C)	
			R410A	R454B	R410A	R454B	R410A	R454B	R410A	R454B	R410A	R454B
9K	115V	9000	9500	10000	23.0	24.0	9.0	10.0	12.5	13.0	1.8	2.1
12K	115V	12000	12000	12400	22.0	23.0	9.0	10.0	12.5	13.0	1.8	2.1
9K	230V	9000	9500	10000	23.5	24.0	9.2	10.0	13.0	13.0	1.8	2.1
12K	230V	12000	12000	12600	23.0	24.0	9.5	10.0	13.0	13.0	1.8	2.1
18K	230V	18000	18000	19000	22.0	23.0	8.8	9.5	13.0	12.5	1.8	1.8
24K	230V	23000	24000	25000	20.0	23.0	8.8	9.5	12.5	12.0	1.8	1.8



CONFORMS TO
UL 817-1989
CERTIFIED TO
CAN/ULC 592.2
NO. 235



Product line - **Single Zone** Mini Split AC

T-Pro Hi Heat Series* COOL & HEAT

Capacity (Btu/h)	Voltage (V)	Cooling Capacity (Btu/h)	Heating Capacity (Btu/h)	SEER2 (Btu/W.h)	HSPF2 IV (Btu/W.h)	EER2 (Btu/W.h)	COP2 (5°F/-15°C)
			R454B	R454B	R454B	R454B	R454B
9K	230V	9000	9500	25.0	10.5	13.0	2.2
12K	230V	12000	12500	25.0	11.0	13.5	2.2
18K	230V	18000	18500	25.0	10.0	13.5	2.0
24K	230V	24000	24000	22.0	10.0	11.7	2.0



COULDS18610
UL 817-1869
CERT FRO TO
CULATED G222
NO 235

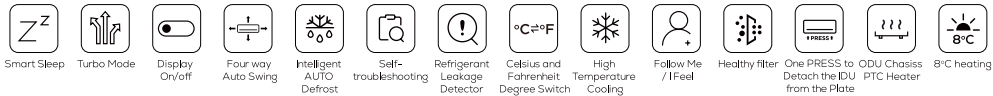


Model Comparison for Hi-heat unit function

SEER25 Hi-heat		Midea	Hisense	THERMOFLUX
Picture				
9-24K	Function	Leakage sensor	Leakage sensor	Leakage sensor
		100% of Heating capacity at 5°F (-15°C)	100% of Heating capacity at 5°F (-15°C)	100% of Heating capacity at 5°F (-15°C)
		Easy installation, easy cleaning	Easy installation, easy cleaning	Easy installation, easy maintenance , easy cleaning
		Self-cleaning	Self-cleaning	Self-cleaning
		Electric Heating Tube	Electric Heating Tube	Electric Heating Tube
		Dry contact	Dry contact	Dry contact
		Auto mode	Auto mode	Auto mode
		BMS	/	BMS
		Anti-corrosion Series (UV Coating, Anti-rust Paint, Anti-rust Fins)	Insect-proof Electric Control Box, Anti-rust fin	Anti-corrosion Series (Oxygen-free copper , End plate double-sided anti-rust)
		Online OTA Update	/	Online OTA Update

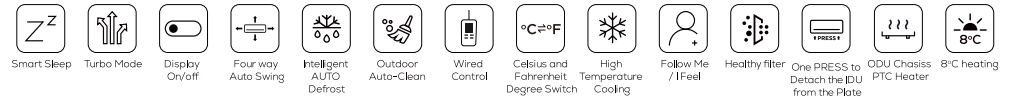
23 SEER2 R32 Technical Specifications (T series)

Marketing Model			TSH09EI2NAO0T24 TSH09HEI2NAO0T24	TSH12EI2NAO0T24 TSH12HEI2NAO0T24
Type			cooling&heating	cooling&heating
Control type			remote	remote
Power supply			115V~/60Hz/1P	115V~/60Hz/1P
Rated Cooling (95F/35C)	Rated cooling capacity (95F/35C)	Btu/h	9000	12000
	EER2 (95F/35C)	Btu/W.h	13.0	13.0
	SEER2	Btu/W.h	23.5	23.0
Rated Heating	Rated Heating capacity(47F/8.3C)	Btu/h	9000	12000
	Rated Heating capacity(17F/-8.3C)	Btu/h	5800	7500
	HSPF2 Rating (Region IV)	Btu/W.h	9.5	9.5
	COP2 (47F/8.3C)	W/W	3.8	3.8
	Max. Heating capacity (5F/-15C)	W/W	6800	9000
	COP2 (5F/-15C)	W/W	2.1	2.1
	5F Heating Ratio		76%	75%
E-Star,US			YES	YES
NEEP, Canada			YES	YES
Max. Fuse size		A	25.0	25.0
Moisture removal		Liters/h	1.1	1.6
Indoor air circulation-Turbo/Hi/Mid/Low/Mute		CFM	326/283/235/188/153	500/470/411/323/205
Indoor noise level at cooling	Turbo/High/Med./Low/Mute	dB(A)	41/38/32/28/26	43/41/34/31/29
Outdoor noise level		dB(A)	49	53
Refrigerant		Type	R32	R32
Indoor Motor	Motor Brand		Welling	Welling
Compressor	Brand		GMCC	GMCC
Outdoor Motor	Motor Brand		Welling	Welling
Connecting Pipe	Gas	inches	3/8"	3/8"
	Liquid	inches	1/4"	1/4"
Connecting Wiring	Size x Core number		4×16AWG	4×16AWG
Suitable area		sq.ft	Up to 400	Up to 550
Indoor Packing dimensions (W x D x H)		inch	35-1/16" × 14-31/32" × 10-7/16"	38-31/32" × 14-31/32" × 10-7/16"
Outdoor Packing dimensions (W x D x H) (without pipe)		inch	32-7/8" × 12-15/16" × 22-5/8"	32-7/8" × 12-15/16" × 22-5/8"
Outdoor Packing dimensions (W x D x H) (with pipe)		inch	33-1/2" × 14-1/8" × 23-5/8"	33-1/2" × 14-1/8" × 23-5/8"
Loading Capacity (INOOR)	40°HC		714	645
Loading Capacity (OUT)	40°HC(with pipe)		344	344
Factory Precharge Line		(m/ft)	7.5 / 25	7.5 / 25
MXimum Line Length		(m/ft)	15 / 50	15 / 50
MXimum Height Difference Between Indoor and Outdoor		(m/ft)	10 / 33	10 / 33
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



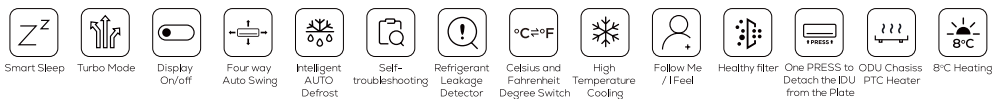
24 SEER2 R454B Technical Specifications (T series)

Marketing Model			TSH09EI2NAO0T24 TSH09HEI2NAO0T24	TSH12EI2NAO0T24 TSH12HEI2NAO0T24	TSH09EI2NAO0T24 TSH09HEI2NAO0T24
Type			cooling&heating	cooling&heating	cooling&heating
Control type			remote	remote	remote
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	13.0	13.0	13.0
	SEER2	Btu/w.h	24.0	23.0	24.0
Rated Heating	Rated Heating capacity(47F/8.3C)	Btu/h	10000	12400	10000
	Rated Heating capacity(17F/-8.3C)	Btu/h	6200	7800	5800
	HSPF2 Rating (Region IV)	Btu/w.h	10	10	10
	COP2 (47F/8.3C)	W/w	3.81	3.81	3.81
	Max. Heating capacity (5F/-15C)	W/w	7500	8900	7100
	COP2 (5F/-15C)	W/w	2.1	2.1	2.1
	5F Heating Ratio		75%	72%	71%
E-Star,US			YES	YES	YES
NEEP, Canada			YES	YES	YES
Max. Fuse size		A	25	30	15
Moisture removal		Liters/h	1.1	1.6	1.1
Indoor air circulation-Turbo/Hi/Mid/Low/Mute		Cfm	326/283/235/188/153	500/470/411/323/205	326/282.5/235/188/153
Indoor noise level at cooling	Turbo/High/Med./Low/Mute	Db(A)	43/40/33/31/30	46/44/36/32/30	43/40/33/31/30
Outdoor noise level		Db(A)	50	52	50
Refrigerant		Type	R454B	R454B	R454B
Indoor Motor	Motor Brand		Welling	Welling	Welling
Compressor	Brand		GMCC	GMCC	GMCC
Outdoor Motor	Motor Brand		Welling	Welling	Welling
Connecting Pipe	Gas	Inches	3/8"	3/8"	3/8"
	Liquid	Inches	1/4"	1/4"	1/4"
Connecting Wiring	Size x Core number		4×16AWG	4×16AWG	4×16AWG
Suitable area		Sq.ft	Up to 400	Up to 550	Up to 400
Indoor Packing dimensions (W x D x H)		Inch	35-1/16" × 14-31/32" × 10-7/16"	38-31/32" × 14-31/32" × 10-7/16"	35-1/16" × 14-31/32" × 10-7/16"
Outdoor Packing dimensions (W x D x H) (without pipe)		Inch	32-7/8" × 12-15/16" × 22-5/8"	32-7/8" × 12-15/16" × 22-5/8"	32-7/8" × 12-15/16" × 22-5/8"
Outdoor Packing dimensions (W x D x H) (with pipe)		Inch	33-1/2" × 14-1/8" × 23-5/8"	33-1/2" × 14-1/8" × 23-5/8"	33-1/2" × 14-1/8" × 23-5/8"
Loading Capacity (INOOR)	40°HC		714	645	714
Loading Capacity (OUT)	40°HC(with pipe)		344	344	344
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
Ambinet temperature	Indoor(cooling/ heating)	°C	>=17/<=30	>=17/<=30	>=17/<=30
	Outdoor(cooling/heating)	°C	-15-55/-25-30	-15-55/-25-30	-15-55/-25-30
Ambinet temperature	Indoor(cooling/ heating)	°F	62-89/32-86	62-89/32-86	62-89/32-86
	Outdoor(cooling/heating)	°F	5-131/-13-86	5-131/-13-86	5-131/-13-86



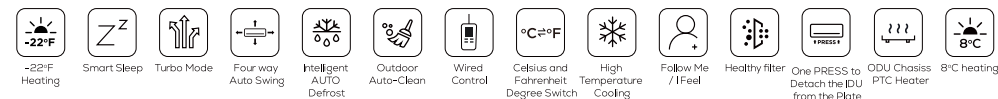
24 SEER2 R454B Technical Specifications (T series)

Marketing Model			TSH12IEI2NAO0T24 TSH12HEI2NAO0T24	TSH18IEI2NAN0T24 TSH18HEI2NAN0T24	TSH24IEI2NAN0T24 TSH24HEI2NAN0T24
Type			cooling&heating	cooling&heating	cooling&heating
Control type			remote	remote	remote
Power supply			208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P
Rated Cooling (95°F/35°C)	Rated cooling capacity (95°F/35°C)	Btu/h	12000	18000	23000
	EER2 (95°F/35°C)	Btu/w.h	13.0	12.5	12.0
	SEER2	Btu/w.h	24.0	23.0	23.0
Rated Heating	Rated Heating capacity(47°F/8.3°C)	Btu/h	12600	19000	25000
	Rated Heating capacity(17°F/-8.3°C)	Btu/h	8100	11000	14000
	HSPF2 Rating (Region IV)	Btu/w.h	10	9.5	9.5
	COP2 (47°F/8.3°C)	W/w	3.81	3.81	3.41
	Max. Heating capacity (5°F/-15°C)	W/w	9100	13600	18600
	COP2 (5°F/-15°C)	W/w	2.1	1.8	1.8
5F Heating Ratio			72%	72%	0.7
E-Star,US			YES	YES	YES
NEEP, Canada			YES	YES	YES
Max. Fuse size		A	15	20	25
Moisture removal		Liters/h	1.6	2.2	2.6
Indoor air circulation-Turbo/Hi/Mid/Low/Mute		Cfm	500/470/411/323/205	735/676/529/423/394	735/676/529/423/394
Indoor noise level at cooling Turbo/High/Med./Low/Mute		Db(A)	46/44/36/32/30	50/47/43/38/34	50/47/43/38/34
Outdoor noise level		Db(A)	52	53	54
Refrigerant		Type	R454B	R454B	R454B
Indoor Motor		Motor Brand	Weilling	Broad-Ocean	Broad-Ocean
Compressor		Brand	GMCC	SANYO	SANYO
Outdoor Motor		Motor Brand	Weilling	Broad-Ocean	Broad-Ocean
Connecting Pipe	Gas	Inches	3/8"	1/2"	5/8"
	Liquid	Inches	1/4"	1/4"	1/4"
Connecting Wiring		Size x Core number	4×16AWG	4×16AWG	4×16AWG
Suitable area		Sq.ft	Up to 550	Up to 1000	Up to 1500
Indoor Packing dimensions (W x D x H)		Inch	38-31/32" x 14-31/32" x 10-7/16"	45-7/8" x 15-31/32" x 11-5/8"	45-7/8" x 15-31/32" x 11-5/8"
Outdoor Packing dimensions (W x D x H) (without pipe)		Inch	32-7/8" x 12-15/16" x 22-5/8"	37-3/8" x 16-13/16" x 28-13/16"	40-3/16" x 18-7/8" x 31-15/16"
Outdoor Packing dimensions (W x D x H) (with pipe)		Inch	33-1/2" x 14-1/8" x 23-5/8"	37-7/16" x 16-9/16" x 28-13/16"	40-1/4" x 18-7/8" x 32-7/8"
Loading Capacity (INOOR)		40"HC	645	478	478
Loading Capacity (OUT)		40"HC(with pipe)	344	189	143
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
Ambinet temperature	Indoor(cooling/ heating)	°C	>=17/<=30	>=17/<=30	>=17/<=30
	Outdoor(cooling/heating)	°C	-15-55/-25-30	-15-55/-25-30	-15-55/-25-30
Ambinet temperature	Indoor(cooling/ heating)	°F	62-89/32-86	62-89/32-86	62-89/32-86
	Outdoor(cooling/heating)	°F	5-131/-13-86	5-131/-13-86	5-131/-22-86



25 SEER2 R454B Technical Specifications (T series)

Marketing Model			TSH09IEI2NAO0T24U TSH09HEI2NAP0T24U	TSH12IEI2NAO0T24U TSH12HEI2NAP0T24U	TSH18IEI2NAN0T24U TSH18HEI2NAN5T24U	TSH24IEI2NAN0T24U TSH24HEI2NAN0T24U
Type			cooling&heating	cooling&heating	cooling&heating	cooling&heating
Control type			remote	remote	remote	remote
Power supply			208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P	208/230V~/60Hz/1P
Rated Cooling (95°F/35°C)	Rated cooling capacity (95°F/35°C)	Btu/h	9000	12000	18000	24000
	EER2 (95°F/35°C)	Btu/W.h	14.5	14.0	12.5	12.0
	SEER2	Btu/W.h	25.0	25.0	23.5	23.0
Rated Heating	Rated Heating capacity (47°F/8.3°C)	Btu/h	9500	12000	18000	24000
	Rated Heating capacity (17°F/-8.3°C)	Btu/h	5500	7500	11500	15500
	HSPF2 Rating (Region IV)	Btu/W.h	10.5	10.5	10	10
	COP2 (47°F/8.3°C)	W/W	4	4	3.8	3.5
	Max. Heating capacity (5°F/-15°C)	W/W	9500	12000	18000	22500
	COP2 (5°F/-15°C)	W/W	1.8	1.8	1.8	1.8
5F Heating Ratio			100%	100%	100%	0.9
E-Star,US			YES	YES	YES	YES
NEEP, Canada			YES	YES	YES	YES
Max. Fuse size		A	15	20	30	25
Moisture removal		Liters/h	1.1	1.9	2.7	3.4
Indoor air circulation-Turbo/Hi/Mid/Low/Mute		CFM	326/282.5/235/188/153	500/470/411/323/205	735/676/529/423/394	735/676/529/423/394
Indoor noise level at cooling Turbo/High/Med./Low/Mute		dB(A)	42/39/33/29/26	46/44/36/32/30	48/45/40/37/34	49/47/42/37/32
Outdoor noise level		dB(A)	55	57	58	61
Refrigerant		Type	R454B	R454B	R454B	R454B
Indoor Motor		Motor Brand	Weilling	Weilling	Broad-Ocean	Broad-Ocean
Compressor		Brand	Rechi	GMCC	SANYO	GMCC
Outdoor Motor		Motor Brand	Weilling	Weilling	Broad-Ocean	Broad-Ocean
Connecting Pipe	Gas	inches	3/8"	3/8"	1/2"	5/8"
	Liquid	inches	1/4"	1/4"	1/4"	1/4"
Connecting Wiring		Size x Core number	4×16AWG	4×16AWG	4×16AWG	4×16AWG
Suitable area		sq.ft	Up to 400	Up to 550	Up to 1000	Up to 1500
Indoor Packing dimensions (W x D x H)		inch	35-1/16" x 14-31/32" x 10-7/16"	38-31/32" x 14-31/32" x 10-7/16"	45-7/8" x 15-31/32" x 11-5/8"	45-7/8" x 15-31/32" x 11-5/8"
Outdoor Packing dimensions (W x D x H) (without pipe)		inch	32-7/8" x 12-15/16" x 22-5/8"	35-1/16" x 15-1/8" x 24-3/4"	37-3/8" x 16-1/2" x 28-13/16"	40-3/16" x 18-7/8" x 31-15/16"
Outdoor Packing dimensions (W x D x H) (with pipe)		inch	33-1/2" x 14-1/8" x 23-5/8"	35-7/16" x 15-15/16" x 25-3/8"	37-13/16" x 16-15/16" x 28-13/16"	40-1/4" x 18-7/8" x 32-7/8"
Loading Capacity (INOOR)		40"HC	714	645	478	478
Loading Capacity (OUT)		40"HC(with pipe)	344	274	189	143
Factory Precharge Line		(m/ft)	7.5 / 25	7.5 / 25	7.5 / 25	7.5 / 25
Mximum Line Length		(m/ft)	15 / 50	15 / 50	20 / 65	20 / 65
MXimum Height Difference Between Indoor and Outdoor		(m/ft)	10 / 33	10 / 33	15 / 49	15 / 49
Ambinet temperature	Indoor(cooling/ heating)	°C	>=17/<=30	>=17/<=30	>=17/<=30	>=17/<=30
	Outdoor(cooling/heating)	°C	-15-55/-30-30	-15-55/-30-30	-15-55/-30-30	-15-55/-30-30
Ambinet temperature	Indoor(cooling/ heating)	°F	62-89/32-86	62-89/32-86	62-89/32-86	62-89/32-86
	Outdoor(cooling/heating)	°F	5-131/-22-86	5-131/-22-86	5-131/-22-86	5-131/-22-86



Product line - **Multi Zone** Mini Split AC

ODU Single Zone



9K, 12K, 18K, 24K

IDU



9K, 12K, 18K, 24K

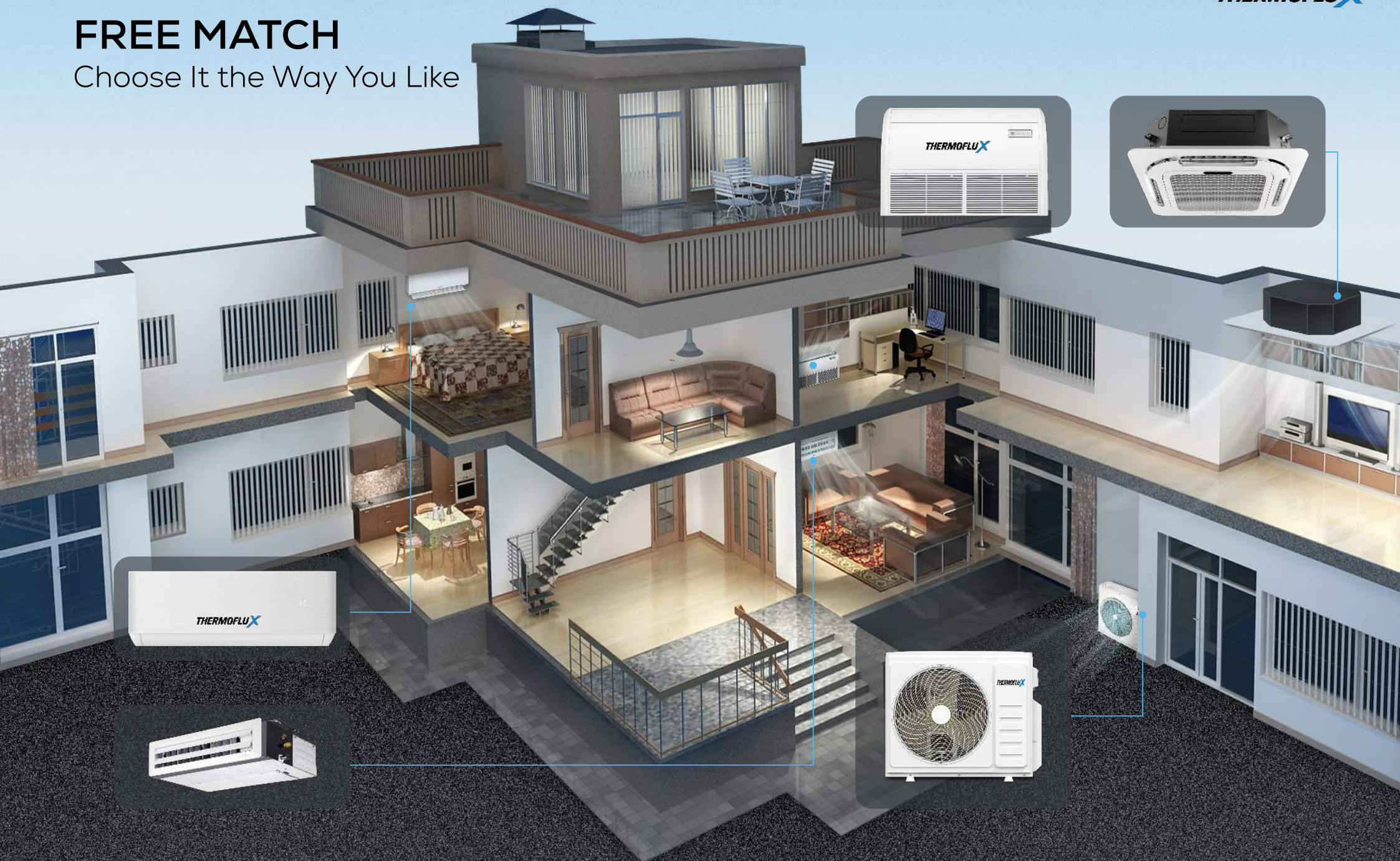
Free Match Multi OUD



18K, 27K, 36K, 48K

FREE MATCH

Choose It the Way You Like



Product line - Multi Zone Mini Split AC



Possibilities of the operation for 130% capacity

FREE MATCH

Reach Every Corner of Your Home



Model Number	Two Units	Three Units	Four Units
18K	9+9		
	9+12		
	12+12		
27K	9+9	9+9+9	
	9+12	9+9+12	
	9+18	9+9+18	
	12+12	9+12+12	
	12+18	12+12+12	
	18+18		
36K	9+24	9+9+9	9+9+9+9
	12+12	9+9+12	9+9+9+12
	12+18	9+9+18	9+9+9+18
	12+24	9+9+24	9+9+12+12
	18+18	9+12+12	9+9+12+18
	18+24	9+12+18	9+12+12+12
		12+12+12	12+12+12+12
		12+12+18	
		12+18+18	

Product line - Multi Zone Mini Split AC

Capacity	Cooling Capacity (Btu/h)		Heating Capacity (Btu/h)		SEER2 (Btu/W.h)		HSPF2 IV (Btu/W.h)		40HQ sets	Standard
	R410A	R454B	R410A	R454B	R410A	R454B	R410A	R454B		
2* Indoor Unit	18000	20000	20000	20000	20.0	20.0	8.5	8.5	189	ETL/AHRI
3* Indoor Unit	27000	28000	27000	28000	19.0	20.0	8.5	8.5	143	
4* Indoor Unit	36000	35000	36000	37000	19.0	19.0	8.5	8.5	114	
5* Indoor Unit	/	45000	/	45000	/	19.0	/	8.5	88	
6* Indoor Unit	/	60000	/	60000	/	18.0	/	8.5	54	
2* Indoor Unit	17000	18000	19600	20000	22.0	24.0	9.0	10.0	189	ETL/AHRI/E-star
3* Indoor Unit	24000	27000	26000	28000	22.0	24.0	9.0	10.0	143	
4* Indoor Unit	33000	35000	35600	36000	21.5	22.5	9.0	9.5	114	
5* Indoor Unit	/	42000	/	42000	/	22.0	/	9.5	88	
6* Indoor Unit	/	48000	/	48000	/	22.0	/	9.5	54	

Low Temperature Heating

It can provide excellent heating even at ambient temperatures as low as -25°C.



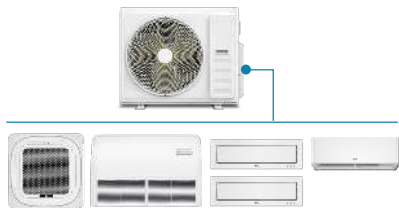
One port to Easy Installation

With just one port, you can easily recover all the refrigerant in the pipeline system, making installation straightforward.



Free Match to Flexible IDU

One ODU supports multiple connections of up to 5 IDUs. Also, various IDU combinations are available, such as cassette, duct, floor & ceiling, split, console, etc., to accommodate different room decorations.



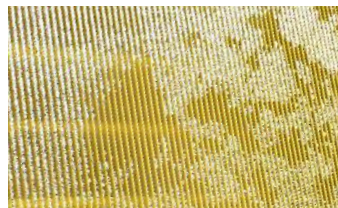
Compliant to BMS system

It is compliant to building management system for more convenient monitoring and control.



Intelligent AUTO Defrost

It can automatically detect the ambient temperature and the frosting condition of the heat exchanger system, and accordingly initiate defrosting cycles to improve heating performance and comfort.



ODU Chassis Belt

The ODU chassis belt can be applied to provide auxiliary heating for the ODU, thereby enhancing its heat exchanging performance.



24 SEER2 R454B Free-match Technical Specifications

MARKETING MODEL			ODU 1 DRIVE 2	ODU 1 DRIVE 3	ODU 1 DRIVE 4	ODU 1 DRIVE 5
Type			cooling&heating	cooling&heating	cooling&heating	cooling&heating
Power supply			208/230V~60Hz/1P	208/230V~60Hz/1P	208/230V~60Hz/1P	208/230V~60Hz/1P
Rated Cooling (95°F/35°C) Non-Ducted	Rated cooling capacity (95°F/35°C)	Btu/h	18000	27000	35000	42000
	EER2 (95°F/35°C)	Btu/W.h	13.0	12.0	12.0	12.0
	SEER2	Btu/W.h	24.0	24.0	22.5	22.0
Rated Cooling (95°F/35°C) Ducted	Rated cooling capacity (95°F/35°C)	Btu/h	17000	27000	34000	41000
	EER2 (95°F/35°C)	Btu/W.h	12.0	12.0	11.7	11.7
	SEER2	Btu/W.h	21.0	22.0	20.0	20.0
Rated Heating Non-Ducted	Rated Heating capacity(47°F/8.3°C)	Btu/h	20000	28000	36000	42000
	Rated Heating capacity(17°F/-8.3°C)	Btu/h	17400	19500	22400	29400
	HSPF2 Rating (Region IV)	Btu/W.h	10	10	9.5	9.5
	COP2 (47°F/8.3°C)	W/W	3.51	3.51	3.51	3.51
	Max. Heating capacity (5°F/-15°C)	W/W	15800	19800	25400	30000
	COP2 (5°F/-15°C)	W/W	2.0	2.0	2.0	2.0
	Capcacity Decreases(5°F/47°C)		79%	71%	71%	71%
Rated Heating Ducted	Rated Heating capacity(47°F/8.3°C)	Btu/h	19000	27000	36000	42000
	Rated Heating capacity(17°F/-8.3°C)	Btu/W.h	17400	19500	22400	29400
	HSPF2 Rating (Region IV)		9.5	9	8.5	8.5
	COP2 (47°F/8.3°C)		3.51	3.4	3.2	3.2
	Max. Heating capacity (5°F/-15°C)		16000	19000	25200	30400
	COP2 (5°F/-15°C)	W/W	1.9	1.9	1.9	1.9
	SF Heating Ratio		84%	70%	70%	72%
E-Star,US			YES	YES	YES	YES
NEEP, Canada			YES	YES	YES	YES
Max. Fuse size		A	25	30	35	45
Outdoor noise level		dB(A)	58	62	65	65
Refrigerant		Type	R454B	R454B	R454B	R454B
Compressor	Brand		SANYO	GMCC	HIGHLY	HIGHLY
Outdoor Motor	Motor Brand		Broad-Ocean	DAYANG	DAYANG	DAYANG
Connecting Pipe	Gas	inches	3/8"	3/8"	3/8"	3/8"
	Liquid	inches	1/4"	1/4"	1/4"	1/4"
Throttling mode Capillary/EEV.			EEV	EEV	EEV	EEV
Outdoor Packing dimensions (W x D x H)		inch	36-1/2" x 27-1/2" x 14-15/16"	38-1/2" x 31-5/8" x 16-9/16"	42-1/4" x 33-9/16" x 18-7/16"	42-1/4" x 33-9/16" x 18-7/16"
Loading Capacity (OUT)	40HC		189	144	88	88
Factory Precharge Line		ft (m)	49 (15)	74 (22.5)	98 (30)	123 (37.5)
Lineset Length (Max) - Total		ft (m)	131 (40)	197 (60)	263 (80)	295 (90)
Lineset Length (Max) - Each		ft (m)	82 (25)	98 (30)	98 (30)	98 (30)
Max. Line Set Height Difference Btwn. ODU & Furthest IDU		ft (m)	49 (15)	49 (15)	49 (15)	49 (15)
Ambinet temperature	Indoor(cooling/ heating)	°C	17°C-30°C	17°C-30°C	17°C-30°C	17°C-30°C
	Outdoor(cooling/heating)	°C	-15-55°C/-25-30°C	-15-55°C/-25-30°C	-15-55°C/-25-30°C	-15-55°C/-25-30°C
Ambinet temperature	Indoor(cooling/ heating)	°F	61-86	61-86	61-86	61-86
	Outdoor(cooling/heating)	°F	5-131/-13-86	5-131/-13-86	5-131/-13-86	5-131/-13-86



Forced AUTO Defrost



Auto-restart



Self-troubleshooting



Fire-proved Electrical Box



Refrigerant Leakage Detector



Easy cable connecting



High Temperature Cooling



Low Temperature Cooling



Wide operation Voltage Range 165-265V



Applicable to Long line set

