



THE FUTURE
OF UNITARY REPLACEMENT

TOSOT

MINI VRF - AHU KIT - AIR HANDLER

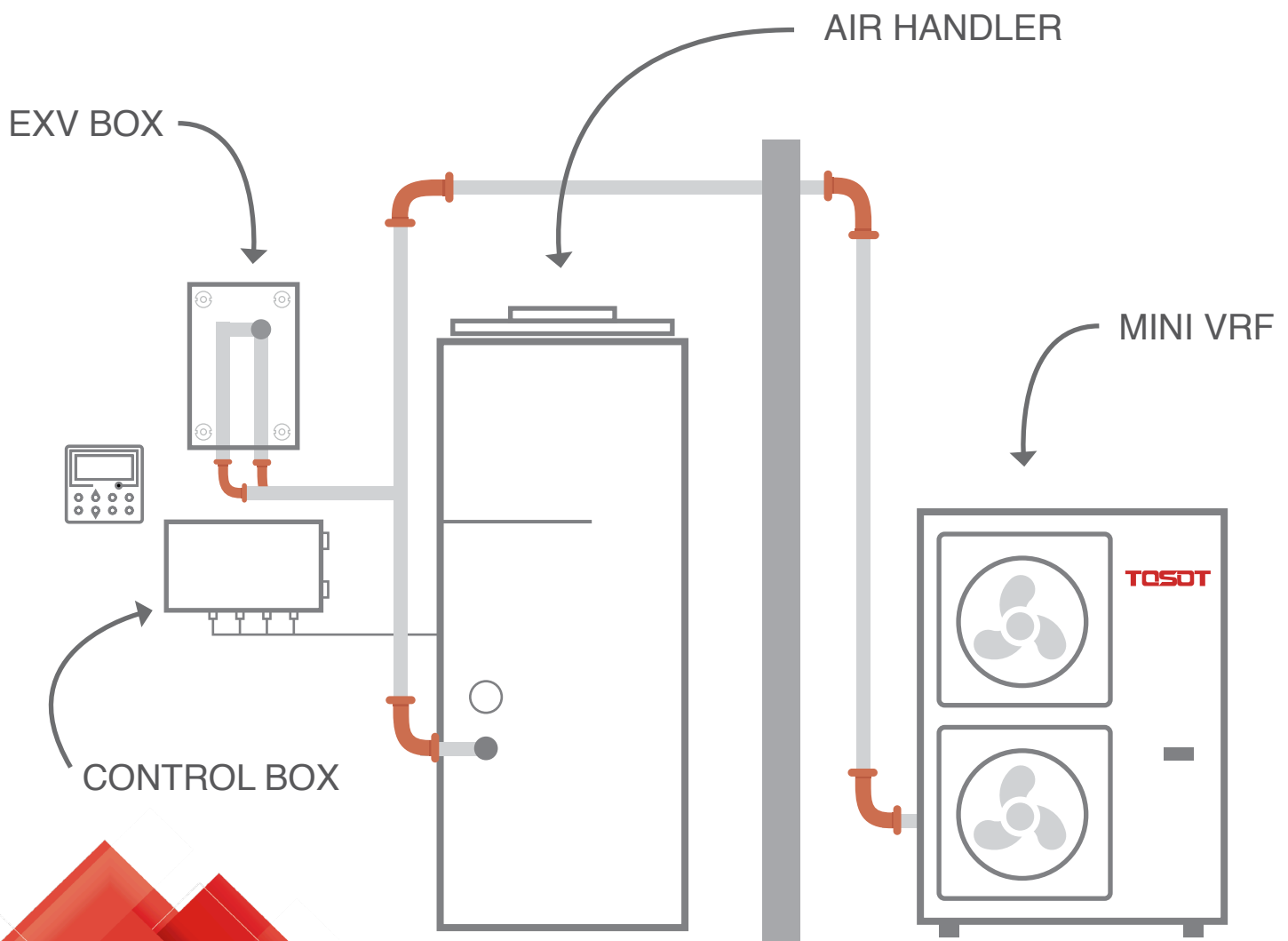
MINI VRF - AHU KIT - AIR HANDLER

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FEATURES

- **High efficiency**
- **System flexibility**
- **Compact Design**
- **Ultra Quiet Operation**

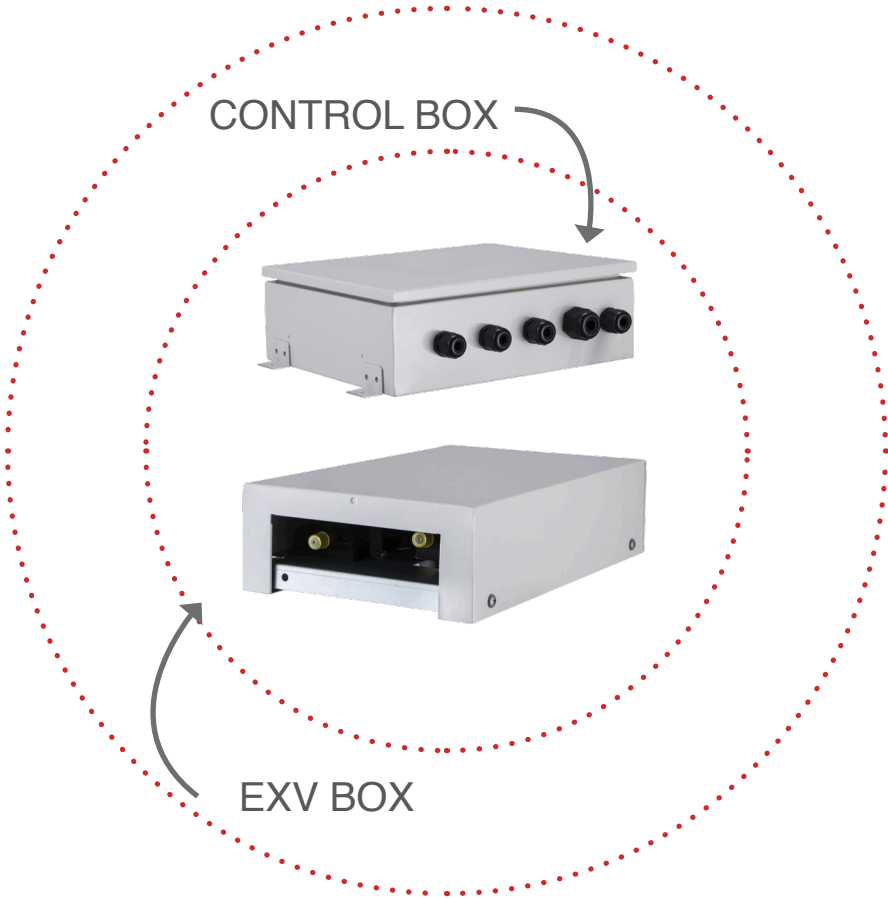
When we connect our single phase mini VRF to a AHU kit (modulating system) it can operate with any existing IDU (fan coils, air handlers...) and dramatically increase the overall performance of the existing system. The benefits for the replacement market include: increasing the efficiency and capacity, sound level and used space reduction, the possibility of adding some extra wall units in a room where the duct work wasn't conceived properly, replacing several outdoor systems with only one...



AIR HANDLER



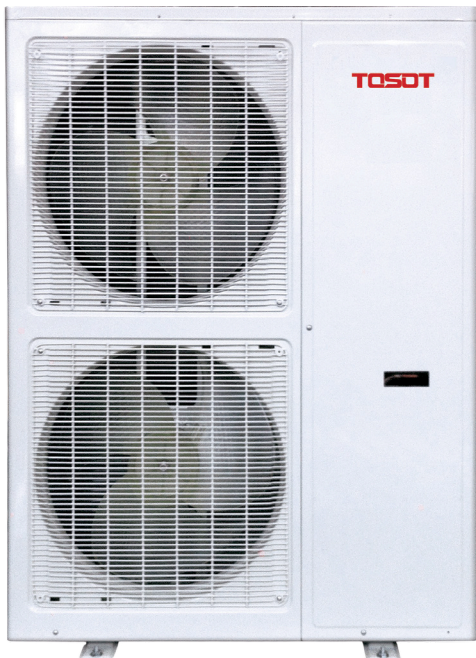
AHU KIT



MINI VRF

ULTRA HEAT

100% Heating Capacity at -4°F
Stable Operation Under -22°F



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MINI VRF - AHU KIT - AIR HANDLER

THE FUTURE OF UNITARY REPLACEMENT OUR PRODUCTS

• Specifications of MINI T-VRF

Models Outdoor Unit			TMVRF-OC36KHP	TMVRF-OC48KHP	TMVRF-OC60KHP
Capacity		Ton	3	4	5
Capacity	Cooling	Btu/h	37,500	48,000	60,000
	Heating	Btu/h	42,000	54,000	66,000
SEER (Ducted/Non-Ducted)			16 / 16	16 / 16	16 / 16
HSPF (Ducted/Non-Ducted)			9 / 9	9 / 9	8.2 / 8.2
MOCAP		A	50	60	70
Rated Current		A	32	37	42
Power Supply		V/Ph/Hz	208/230V~1~60Hz	208/230V~1~60Hz	208/230V~1~60Hz
Maximum drive IDU NO.		unit	5	7	9
Airflow		CFM	3,531	3,708	4,590
Refrigerant Charge Volume		Oz	176.4	176.4	229.3
Piping connection	Liquid	inch	Φ 3/8	Φ 3/8	Φ 3/8
	Gas	inch	Φ 5/8	Φ 5/8	Φ 5/8
Dimensions WxHxD	Outline	inch	35-3/8 x 53 x 13-3/8	35-3/8 x 53 x 13-3/8	35-3/8 x 53 x 13-3/8
Net/Gross Weight		Lbs	242.6 / 264.6	242.6 / 264.6	273.4 / 299.9
Loading Quantity	40'HQ	set	60	60	57

• Specifications of MINI T-VRF ULTRA HEAT



Models Outdoor Unit			TMVRF-36KUH	TMVRF-48KUH
Capacity		Ton	3	4
Capacity	Cooling	Btu/h	36,000	48,000
	Heating	Btu/h	45,000	54,000
SEER (Ducted/Non-Ducted)			16.5 / 20.5	16.5 / 20.5
HSPF (Ducted/Non-Ducted)			10.3 / 11.7	10.2 / 11
MOCAP		A	50	50
Rated Current		A	37	37
Power Supply		V/Ph/Hz	208/230V~1~60Hz	208/230V~1~60Hz
Maximum drive IDU NO.		unit	5	7
Airflow		CFM	3,531	3,531
Operating Ambient Temperature Range	Cooling	°F	50 ~ 129	50 ~ 129
	Heating	°F	-22 ~ 81	-22 ~ 81
Sound Pressure Level		dB(A)	56	57
Piping connection	Liquid	inch	Φ3/8	Φ3/8
	Gas	inch	Φ5/8	Φ5/8
Dimensions WxHxD	Outline	inch	35-3/8 x 53 x 13-3/8	35-3/8 x 53 x 13-3/8
Net/Gross Weight		Lbs	296.4 / 320	296.4 / 320
Loading Quantity	40'HQ	set	57	57

• **Specifications of AIR HANDLER**

MODEL		TVRF-IEVAH 24KHP	TVRF-IEVAH 30KHP	TVRF-IEVAH 36KHP	TVRF-IEVAH 42KHP	TVRF-IEVAH 48KHP	TVRF-IEVAH 54KHP
Cooling Capacity	BTU/h	24,000	30,000	36,000	42,000	48,000	54,000
Heating Capacity	BTU/h	27,000	34,000	40,000	47,000	54,000	60,000
Power Supply	V/Ph/Hz	208/230~1Ph~60HZ	208/230~1Ph~60HZ	208/230~1Ph~60HZ	208/230~1Ph~60HZ	208/230~1Ph~60HZ	208/230~1Ph~60HZ
Airflow volume (L/H)	CFM	559 / 824	559 / 582	1,000 / 1,353	1,118 / 1,441	1,353 / 1,618	1,382 / 1,672
Rated Current	Cooling	A	0.8	1.1	2.2	2.6	2.7
	Heating	A	0.8	1.1	2.2	2.6	2.7
ESP	Pa	25/0~50	37/0~50	37/0~70	37/0~70	50/0~80	50/0~80
Sound pressure level (L/H)	dB(A)	41 / 45	42 / 46	45 / 49	46 / 50	47 / 57	48 / 52
Piping Connection	Liquid	In.	Φ 3/8	Φ 3/8	Φ 3/8	Φ 3/8	Φ 3/8
	Gas	In.	Φ 5/8	Φ 5/8	Φ 5/8	Φ 5/8	Φ 5/8
Dimensions (W*D*H)	In.	18 1/2X21 1/4X43 1/2	18 1/2X21 1/4X43 1/2	21 1/4X21 1/4X48 1/4	21 1/4X21 1/4X48 1/4	24 7/8X21 1/4X48 1/4	24 7/8X21 1/4X48 1/4
Net weight/Gross weight	Lbs	121.2/132.3	121.2/132.3	145.5/158.7	145.5/158.7	185.2/202.8	185.2/202.8

• **Specifications of AHU KIT**

Model			TVRF-AHU1T	TVRF-AHU2T	TVRF-AHU4T	TVRF-AHU8T	TVRF-AHU16T
Power Supply			208~230V-1ph-60Hz	208~230V-1ph-60Hz	208~230V-1ph-60Hz	208~230V-1ph-60Hz	208~230V-1ph-60Hz
Cooling Capacity		Btu/h	12,000	24,000	47,770	95,540	191,080
Heating Capacity		Btu/h	13,500	26,600	54,594	107,482	213,259
Dimensions (WxDxH)	Outline	Control Box	In.	13-1/7x11-1/6x4-3/8	13-1/7x11-1/6x4-3/8	13-1/7x11-1/6x4-3/8	13-1/7x11-1/6x4-3/8
		EXV Box	In.	8x12-5/6x3-1/3	8x12-5/6x3-1/3	8x12-5/6x3-1/3	8x12-5/6x3-1/3
Net Weight / Gross Weight		Lbs	19 / 25.4	19 / 25.4	19 / 25.4	19 / 25.4	26 / 34.2
Pipe Connections	Liquid	In.	Φ 3/8	Φ 3/8	Φ 3/8	Φ 3/8	Φ 5/8
	Gas	In.	Φ 1/4	Φ 5/8	Φ 5/8	Φ 7/8	Φ 1 1/8



Wired Controller TVRF-XK46

- LCD with black background and white words, touch buttons.
- Clock can be displayed and set. 24 hours timer. Setting for on/off timer.
- 7 levels of fan speed, up & down swing and left & right swing.
- Can be switched in auto, cooling, dehumidifying, fan, heating, floor heating, 3D heating and space heating operation modes.
- Master and slave wired controllers can be set. Simultaneous control over several IDUs is available.
- Available functions: sleep, ventilation, quiet/auto quiet, light, energy saving, auxiliary heating, drying, memory, low-temperature dehumidifying, absence in heating, controllable auxiliary heating in dehumidifying, filter cleaning reminder, etc.
- Detect ambient temperature. Receive infrared remote controller signal.
- With project parameters viewing and setting functions.

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CONTACT US

WANT MORE INFORMATION ?

We'll be there for you



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