

U-Match Systems

12,000 to 60,000 BTU/Hr – 60 Hz



A sense of comfort throughout every space...

Trane takes pride in introducing its most recent line of U-Match systems to fulfill every temperature need in each and every room.

This line of products offers the option to select the air conditioning unit that will best fulfill your expectations for design, presentation, practicality and use in both your home and business.

Towards this purpose, you will have the option to select one of three indoor units that may best suit your own architectural design. The units are available as cooling only or heat pump type providing the flexibility required for every climate.

The horizontal discharge condensing units have an ambient temperature operation range from 18°C to 43°C for cooling only and from -7°C to 24°C for heating. Additionally, the heat pump outdoor units come with a factory corrosion protection applied to the condenser coil.

It is important to note that each indoor unit can be connected to the same outdoor unit. In addition, all three indoor units can be controlled from any part of the room using the same remote control unit.

These new U-Match systems were designed for homes and businesses where energy savings represents a determining factor.



Outdoor Unit (showing 12,000-18,000 BTU/hr)

Each model of U-Match systems comprises advanced technology and attractive design, affording you the peace of mind of being able to recognize a good investment.

A single solution for three different product applications



Concealed Indoor Unit



Convertible Indoor Unit



Cassette Indoor Unit



Flexibility in Design

The new U-Match indoor units have the flexibility to work with either R22 or R410A refrigerant. These can be easily matched with several Trane R-410A cooling only units in applications where environmentally friendly refrigerant is a must. Additionally, when using R22 refrigerant, the new indoor units can be matched with either vertical or horizontal discharge condensing units. These new Trane U-Match units were designed keeping in mind all of our customer needs.

Characteristics and Benefits

- Heat pump system offers comfort throughout the entire year as well as cooling only units for tropical climates where heating is not required.
- Flexible design of U-Match indoor units allows the use of ecological R410A refrigerant when matched with Trane US residential condensing units.
- Wide capacity range for application flexibility
- Low maintenance
- Automatic recovery in case of power loss
- Quality and durability factory tested and verified

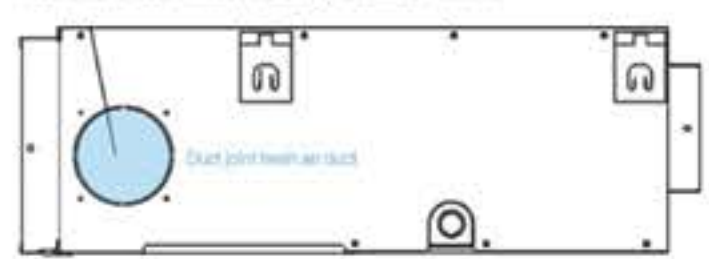
Indoor Unit Description

CONCEALED type (plenum installation)

- Available in wide range capacity from 12,000 to 60,000 BTUH
- R-22 and R-410A refrigerant
- Cooling only and heat pump
- Compact design
- Wired control
- Silent operation
- Horizontal or bottom air intake
- Optional fresh air intake
- Optional filter
- Optional built-in drain pump



Flexible Air Intake Ways



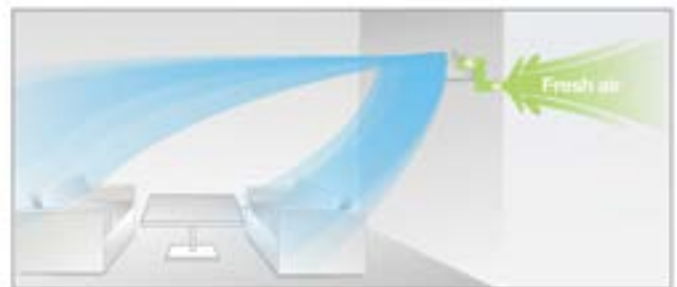
Fresh air



Convertible positioning and auto swing function

CONVERTIBLE type (floor or ceiling installation)

- Available in wide range capacity from 18,000 to 60,000 BTUH
- R-22 and R-410A refrigerant
- Cooling only and heat pump
- Wireless control
- Exclusive front panel
- Small footprint
- Installation flexibility (floor or ceiling)
- Horizontal and vertical auto swing function
- Optional fresh air intake
- Optional built-in drain pump (under-ceiling only)
- Two-way drainage



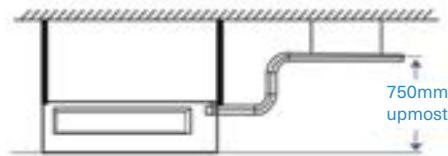
Fresh air intake

CASSETTE type (suspended ceiling installation)

- Available in wide range capacity from 18,000 to 60,000 BTUH
- R-22 and R-410A refrigerant
- Cooling only and heat pump
- Compact design
- Wireless control
- 360° air distribution
- Optional fresh air intake
- Standard built-in drain water pump
- External air duct



360° air outlet panel



Built-in drain pump



External air duct



Fresh air intake

Remote Control – Wired & Wireless

- Easy and flexible use
- Programmable operation up to 24 hours
- Sleep Mode for improved energy efficiency
- Dry Mode (dehumidify) for improved comfort
- 3-Speed fan (hi/med/low)
- Five modes of operation: Cooling/ Heating/Dehumidify/Fan/Auto
- Automatic recovery in case of power loss
- Turbo function to cool or heat space rapidly

U-Match Outdoor Units

TRANE MODEL	Cooling only		2TTK0512C1000AL	2TTK0518C1000AL	2TTK0524C1000AL	2TTK0536C1000AL	2TTK0548C1000AL	2TTK0560C1000AL	2TTK0548C6000AL	2TTK0560C6000AL
	Heat pump		2TWK0512C1000AL	2TWK0518C1000AL	2TWK0524C1000AL	2TWK0536C1000AL	2TWK0548C1000AL	2TWK0560C1000AL	2TWK0548C6000AL	2TWK0560C1000AL
Power supply	V-ph-Hz		220~230-1-60	220~230-1-60	220~230-1-60	220~230-1-60	220~230-1-60	220~230-1-60	220-3-60	220-3-60
Max. input consumption	W		1600	2550	3500	5100	6500	7500	6500	7500
Max. input current	A		7	12	15.5	24	33	38	21	25
Sound pressure	dB(A)		58	60	59	63	60	60	60	60
Dimensions (WxDxH)	mm		780x250x540	845x320x700	900x315x860	990x345x965	938x392x1369	938x392x1369	938x392x1369	938x392x1369
Net weight (Cooling only / Heat Pump)	kg		27/30.5	45/49	57/61	78/82	106/109	117.5/120	106/109	117.5/120
Refrigerant type			R22	R22	R22	R22	R22	R22	R22	R22
Refrigerant Charged volume (Cooling only / Heat pump)	kg		0.68 / 1.07	1.45 / 1.8	1.85 / 2.05	2.5 / 3.4	3.4 / 3.7	4.2 / 4.4	3.4 / 3.8	4.1 / 4.4
Refrigerant piping	Liquid side/ Gas side	mm (inch)	Φ6.35/ Φ12.7(1/4"/1/2")	Φ6.35/ Φ12.7(1/4"/1/2")	Φ9.52/ Φ15.9(3/8"/5/8")	Φ9.52/ Φ19(3/8"/3/4")	Φ9.52/ Φ22.2(3/8"/7/8)	Φ9.52/ Φ22.2(3/8"/7/8)	Φ9.52/ Φ22.2(3/8"/7/8)	Φ9.52/ Φ22.2(3/8"/7/8)
	Max. pipe length	m	15	30	50	50	50	50	50	50
	Max. difference in level	m	8	10	20	20	30	30	30	30

Concealed

TRANE MODEL	Cooling only		2MCD0512C10W0AL	2MCD0518C10W0AL	2MCD0524C10W0AL	2MCD0536C10W0AL	2MCD0548C10W0AL	2MCD0560C10W0AL
	Heat pump		2MWD0512C10W0AL	2MWD0518C10W0AL	2MWD0524C10W0AL	2MWD0536C10W0AL	2MWD0548C10W0AL	2MWD0560C10W0AL
Power supply	V-ph-Hz		220~230-1-60	220~230-1-60	220~230-1-60	220~230-1-60	220~230-1-60	220~230-1-60
Nominal capacity	Btu/h		12000	18000	24000	36000	48000	60000
EER	W/W		3	2.93	2.87	2.93	3.06	3.38
COP	W/W		3.2	3.10	3.18	3.28	3.40	3.49
Air flow (Hi/Med/Low)	m3/h		800/610/520	1170/770/650	1400/1100/1000	2270/1890/1650	2300/1700/1500	2300/1700/1500
Sound pressure (Hi/Med/Low)	dB(A)		37/35/33	44/31/26	44/35/32	45/42/40	49/44/40	49/44/40
Dimensions (WxDxH)	mm		700x635x210	920x635x270	920x635x270	1140x775x270	1200x865x300	1200x865x300
Net weight	kg		20	28.5	28.5	42	49	49
Refrigerant piping - Liquid side/Gas side	mm(inch)		Φ6.35/ Φ12.7(1/4"/1/2")	Φ6.35/ Φ12.7(1/4"/1/2")	Φ9.52/ Φ15.9(3/8"/5/8")	Φ9.52/ Φ19(3/8"/3/4")	Φ9.52/ Φ22.2(3/8"/7/8")	Φ9.52/ Φ22.2(3/8"/7/8")

Convertible

TRANE MODEL	Cooling only		2MCX0518C10R0AL	2MCX0524C10R0AL	2MCX0536C10R0AL	2MCX0548C10R0AL	2MCX0560C10R0AL
	Heat pump		2MWX0518C10R0AL	2MWX0524C10R0AL	2MWX0536C10R0AL	2MWX0548C10R0AL	2MWX0560C10R0AL
Power supply	V-ph-Hz		220~230-1-60	220~230-1-60	220~230-1-60	220~230-1-60	220~230-1-60
Nominal capacity	Btu/h		18000	24000	36000	48000	58000
EER	W/W		2.93	2.87	2.89	2.99	3.27
COP	W/W		3.35	3.30	3.39	3.46	3.49
Air flow (Hi/Med/Low)	m3/h		1300/1100/900	1500/1200/1000	1900/1700/1500	2300/1900/1700	2600/2289/2022
Sound pressure (Hi/Med/Low)	dB(A)		39/36/34	48/46/44	52/50/48	55/52/50	58/53/49
Dimensions (WxDxH)	mm		1068x675x235	1285x675x235	1650x675x235	1650x675x235	1650x675x235
Net weight	kg		25	29	38	39.5	43.5
Refrigerant piping - Liquid side/Gas side	mm(inch)		Φ6.35/ Φ12.7(1/4"/1/2")	Φ9.52/ Φ15.9(3/8"/5/8")	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/Φ22.2(3/8"/7/8")	Φ9.52/Φ22.2(3/8"/7/8")

Cassette

TRANE MODEL	Cooling only		2MCC0518C10R0AL	2MCC0524C10R0AL	2MCC0536C10R0AL	2MCC0548C10R0AL	2MCC0560C10R0AL
	Heat pump		2MWC0518C10R0AL	2MWC0524C10R0AL	2MWC0536C10R0AL	2MWC0548C10R0AL	2MWC0560C10R0AL
Power supply	V-ph-Hz		220~230-1-60	220~230-1-61	220~230-1-62	220~230-1-60	220~230-1-60
Nominal capacity	Btu/h		18000	24000	36000	48000	58000
EER	W/W		2.93	2.87	3.01	3.23	3.24
COP	W/W		3.24	3.24	3.30	3.33	3.27
Air flow (Hi/Med/Low)	m3/h		1000/820/700	1500/1200/1000	1800/1500/1200	1800/1500/1200	1800/1500/1200
Sound pressure (Hi/Med/Low)	dB(A)		47/43/39	52/47/43	55/48/45	55/48/45	55/48/45
Dimensions (WxDxH)	mm		840x840x205	840x840x245	840x840x287	840x840x287	840x840x287
Net weight	kg		23	25	29	29	29
Refrigerant piping - Liquid side/Gas side	mm(inch)		Φ6.35/ Φ12.7(1/4"/1/2")	Φ9.52/ Φ15.9(3/8"/5/8")	Φ9.52/Φ19(3/8"/3/4")	Φ9.52/ Φ22.2(3/8"-7/8")	Φ9.52/ Φ22.2(3/8"-7/8")

Remarks: 1. The above design and specifications are subject to change without prior notice for product improvement.
2. The values given in the table for the noise level reflect the levels in anechoic chamber.

Learn more at trane.com



Trane – by Trane Technologies (NYSE: TT), a global climate innovator – creates comfortable, energy efficient indoor environments through a broad portfolio of heating, ventilating and air conditioning systems and controls, services, parts and supply. For more information, please visit trane.com or tranetechnologies.com.

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