



U-Match Systems R-410A

18,000 to 60,000 BTU/Hr- 60Hz



Comfortable environment in every space...



48,000 - 60,000 BTU/h



18,000 - 36,000 BTU/h

One solution for three different product applications.



Concealed indoor unit



Convertible indoor unit



Cassette indoor unit

In any specific situation requiring cooling or heating, people look to Trane products as a trusting solution that will meet their requirements. Today, Trane delivers a new line of U-Match Systems using environmentally sound R401A refrigerant. This new line complements Trane's ductless line of products and offers the possibility of creating new comfort spaces for their customers.

This new line of products offers the option of selecting the air-conditioning unit that will best comply with the customer's expectations insofar as aesthetic design, comfort and appropriate use in the home or business. It is important to note that the outdoor unit is universal, which means that each indoor unit model has the capability of connecting to the same outdoor unit in one-to-one systems.

Consequently, you have the opportunity of selecting one of the three indoor units that best adapts to the architectural design of the construction, i.e., concealed unit, cassette unit, or convertible unit. These three units are made for cooling only as well as for heating with a heat pump, allowing the flexibility required for every season.

The new outdoor units with horizontal discharge and R410A refrigerant are designed for extended use. The unit external structure has been reinforced with a design of multi-angular cuts and a top panel in "I" shape as a means to prevent the accumulation of rain water. At the same time, the unit has been manufactured considering its access to maintenance; the reduced number of screws for access and the new outgoing air louver panel are able to be removed individually to gain access to the condensing blower without having to dismount the outdoor cabinet.

All U-Match Systems models comprise advanced technological elements plus attractive design which allows them to deliver the peace of mind of having made a good investment.

The operative range of indoor temperature for condensing units with horizontal discharge, goes from 18°C to 43°C in cooling only and from -7°C to 24°C in heating mode. Furthermore, heat pump outdoor units are factory shipped with corrosion protection applied to the condenser coil.

Design flexibility

The new U-Match Systems have the flexibility of working with both R410A and R22 refrigerants. Although indoor units are factory prepared to work with R410A refrigerant, it is possible to change the expansion device in the field and use the indoor units with R22 refrigerant matched with cooling only or heat pump outdoor units. This offers the customer the flexibility to adapt to the specific needs of each application.

Characteristics and benefits

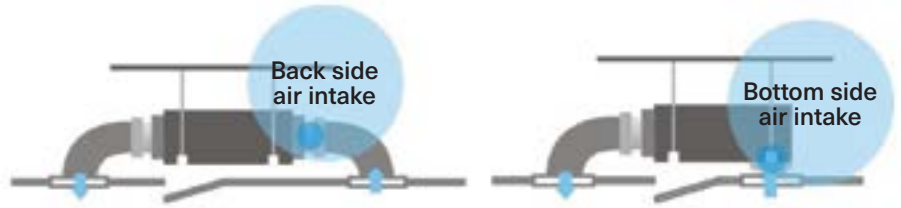
- Heat pump systems offer the expected comfort the whole year round as well as cooling only units do in tropical climates where heating is not required.
- Flexible design of U-Match indoor units allows the use of ecologically accepted R410A refrigerant as well as the use of R22 refrigerant in applications where it is needed (except for concealed units).
- Wide range capacity for application flexibility going from 1 to 5 tons of refrigeration.
- New modern remote control unit included with cassette and convertible units.
- New concealed units have a double function wherein one sole unit operates in both cooling only or in heat pump through a simple field configuration.
- Easy and practical maintenance with new components of improved access.
- Automatic recovery in cases of power supply failure.
- Factory verification of extended quality and durability.



Indoor unit description

CONCEALED (plenum installation)

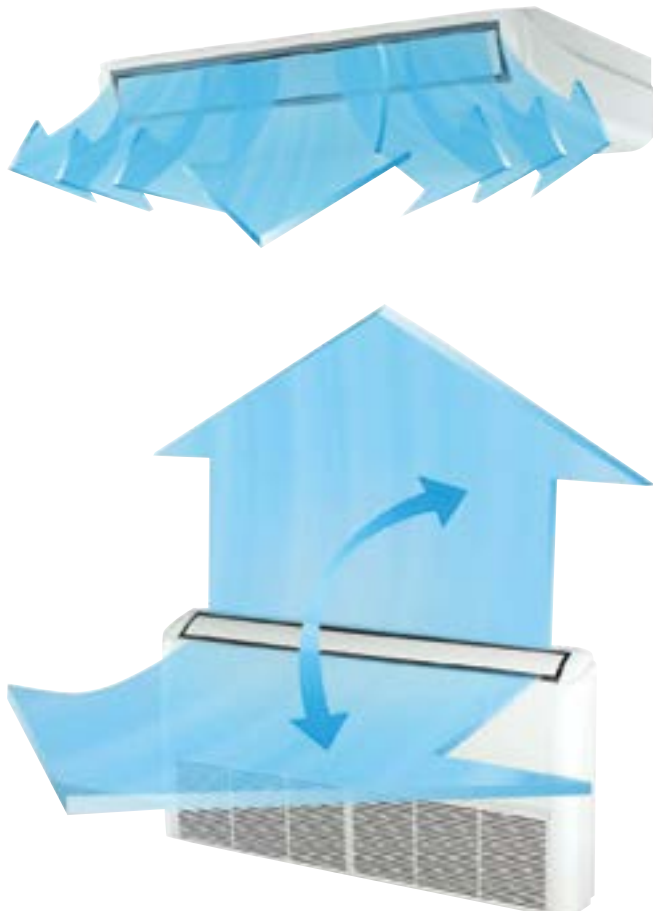
- Available in capacities ranging from 18,000 to 60,000 BTUH
- Refrigerant R410A
- Cooling only and heat pump
- Compact design
- Wired control
- Silent operation
- Horizontal or bottom outdoor air intake
- Fresh air intake (optional)
- Filter (optional)
- Integrated drain pump (optional)



Flexibility for air intake



Fresh air



Convertible positioning and auto-swing function

CONVERTIBLE (Ground or ceiling installation)

- Available in capacities ranging from 18,000 to 60,000 BTUH
- Refrigerant R410A
- Cooling only and heat pump
- Wired control
- Exclusive front panel
- Reduced footprint
- Installation flexibility (ground or ceiling)
- Horizontal and vertical auto-swing
- Fresh air intake (optional)
- Integrated drain pump (optional) (only low ceiling)
- Two-way draining



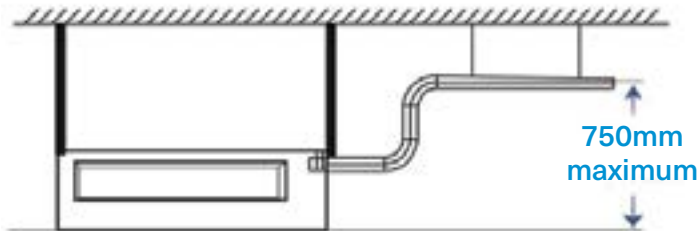
Fresh air intake

CASSETTE (Suspended ceiling installation)

- Available in capacities ranging from 18,000 to 60,000 BTUH
- Refrigerant R410A
- Cooling only and heat pump
- Compact design
- Wired control
- Air distribution 360°
- Fresh air intake (optional)
- Standard integrated heat pump
- Outdoor air duct



Outgoing air panel 360°



Integrated drain pump



Outdoor air duct



Fresh air intake



Remote Control wired and wireless

- Flexible and easy use
- Programmable operation up to 24 hours
- Sleep Mode for improved energy efficiency
- Dry Mode for improved comfort
- 3-Speed Fan (hi/med/low)
- Five operating modes: Cooling/ Heating/Dry/Ventilation/Auto
- Automatic Recovery due to power failure
- Turbo Function for fast space cooling or heating

Outdoor Units U-Match

TRANE MODEL	Cooling Only		4TTK0518D1	4TTK0524D1	4TTK0536D1	4TTK0548D1	4TTK0560D1	4TTK0536D6	4TTK0548D6	4TTK0560D6
	Heat Pump		4TWK0518D1	4TWK0524D1	4TWK0536D1	4TWK0548D1	4TWK0560D1	4TWK0536D6	4TWK0548D6	4TWK0560D6
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	220-3-60	220-3-60	220-3-60
Max. input consumption	W		1884	2512	3768	5024	5861	3768	5024	5861
Max. input current	A		8.56	11.42	17.13	22.84	26.6	17.13	22.84	26.6
Sound pressure (e. s./ b. c.)	dB(A)		57.1 59.4	59	62.8 63.3	67	60.3	62.7 64.3	64 65	59.3 62.7
Dimensions (WxDxH)	mm		845x363x702	845x363x702	946x410x810	900x350x1170	952x415x1333	946x410x810	900x350x1170	952x415x1333
Net weight (cooling only/heat pump)	kg		42.2 44.6	51.5	67.2	95 110.8	120.9	72.5 78.8	88.3	114.1 117.7
Refrigerant type			R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Refrigerant charged volume (cooling only/heat pump)	kg		1.2 1.45	2	2.5 3	3 3.7	4.3	2.5	3.7	4.3 4.5
Refrig. piping	Liquid side/ gas side	mm	Φ6.35/Φ12.7	Φ9.52/Φ15.9	Φ9.52/Φ19	Φ9.52/Φ19	Φ9.52/Φ22	Φ9.52/Φ19	Φ9.52/Φ22	Φ9.52/Φ22
	Max. pipe length	m	25	25	30	50	50	30	50	50
	Max. diff. in level	m	15	15	20	30	30	20	30	30

Concealed

TRANE MODEL	Cooling Only		4MZD0518D1	4MZD0524D1	4MZD0536D1	4MZD0548D1	4MZD0560D1
	Heat Pump						
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	56000
EER	W/W		2.80	2.80	2.80	2.80	2.80
COP (heat pump)	W/W		2.80	2.81	3.16	2.90	2.80
Air flow (e. s./ b. c.) - (Hi/Med/Low)	m3/h		903.7/767.8/665.6	1207.8/1025.2/842.6	1723/1184/973	2829/2396/2060	2829/2396/2060
Sound pressure (e. s./ b. c.) - (Hi/Med/Low)	dB(A)		45.6/32.1/39.7	43.1/42.0/41.6	48.0/43.0/40.8	54.5/50.9/48.5	54.5/50.9/48.5
Dimensions (WxDxH)	mm		880x674x210	1100x774x249	1100x774x249	1200x865x300	1200x865x300
Net weight	kg		25.5	32.6	33.7	48.6	48.6
Refrigerant piping - Liquid side/gas side	mm		Φ6.35/Φ12.7	Φ9.52/Φ15.9	Φ9.52/Φ19	Φ9.52/Φ22	Φ9.52/Φ22

Convertible

TRANE MODEL	Cooling Only		2MCX0518C1		2MCX0524C1		2MCX0536C1		2MCX0548C1		2MCX0560C1	
	Heat Pump		2MWX0518C1		2MWX0524C1		2MWX0536C1		2MWX0548C1		2MWX0560C1	
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		24500		36000		48000		58000	
EER	W/W		2.80		2.80		2.85		2.87		2.80	
COP (heat pump)	W/W		2.80		2.80		3.23		3.06		2.80	
Air flow (e. s./ b. c.) (Hi/Med/Low)	m3/h		1250/985/784	1273/980/784	1802/1561/1362	1796/1564/1370	2432/2034/1755	2440/2033/1754	2415/2037/1763	2388/2003/1734	2621/2366/2223	2542/2311/2193
Sound pressure (e. s./ b. c.) - (Hi/Med/Low)	dB(A)		53/46/40	53/46/40	56/52/49	56/52/48	56/52/48	56/52/48	57/52/48	58/56/55	58/55/53	56/52/48
Dimensions (WxDxH)	mm		1068x675x235		1285x675x235		1650x675x235		1650x675x235		1650x675x235	
Net weight	kg		27.4		30.3		41		41		45.5	
Refrigerant piping - Liquid side/gas side	mm		Φ6.35/Φ12.7		Φ9.52/Φ15.9		Φ9.52/Φ19		Φ9.52/Φ22		Φ9.52/Φ22	

Cassette

TRANE MODEL	Cooling Only		2MCC0518C1		2MCC0524C1		2MCC0536C1		2MCC0548C1		2MCC0560C1	
	Heat Pump		2MWC0518C1		2MWC0524C1		2MWC0536C1		2MWC0548C1		2MWC0560C1	
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		52000	
EER	W/W		2.80		2.82		2.90		3.01		2.80	
COP (heat pump)	W/W		3.19		3.02		3.39		2.92		2.80	
Air flow (e. s./ b. c.) (Hi/Med/Low)	m3/h		914/777/640		1488/1194/1086		1901/1430/1306		1891/1426/1310		1900/1600/1400	
Sound pressure (e. s./ b. c.) (Hi/Med/Low)	dB(A)		47/41/39		49/46/44		53/46/45	54/47/46	55/49/48	53/47/45	55/49/48	
Dimensions (WxDxH)	mm		840x840x205		840x840x245		840x840x287		840x840x287		840x840x287	
Net weight	kg		23		25.6		30.3		30		30.1	
Refrigerant piping - Liquid side/gas side	mm		Φ6.35/Φ12.7		Φ9.52/Φ15.9		Φ9.52/Φ19		Φ9.52/Φ22		Φ9.52/Φ22	

- Notes: 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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