



Illusion™
mini-split air conditioner
Compact, yet quiet and powerful

Concealed type 12,000-60,000 Btu/h MCD R407C Series 50/60 Hz



Trane Illusion™ mini-split air conditioner: Great things do/still come in small packages



The Trane Illusion mini-split series features a high-quality design in a complete family of low profile models. Comfortable, reliable and durable, each unit provides energy-efficient heating and cooling with a small, inconspicuous profile.

Complete family of concealed models

Choose from standard models with capacities ranging from 12,000 to 60,000 Btu/h, or high-efficiency models from 9,000 to 40,900 Btu/h.

Compact

Standard models measure only 258mm — very compact and easy to install in tight ceiling spaces.

Energy efficient

You get full-capacity power, yet due to its high efficiency rating, Illusion consumes less energy than most other similar models.

Quiet operation

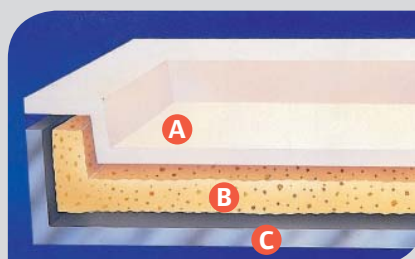
Most models are equipped with the return air plenum for low air face velocity, so they are quiet even while working hard.



- High performing and energy efficient ($EER \geq 11.0$ Btu/h/W or $COP \geq 3.2$ W/W)
- Compact design with minimum height requirements
- High-quality drain pan



- A** Plastic
- B** Polystyrene foam
- C** Galvanized sheet



Triple protection drain pan

- Effectively prevents ceiling damage from drain pan leaks
- Decreases chance of mold
- Enhances indoor air quality

Illusion drain pans consist of three layers: a single piece of galvanized sheet, a single piece of polystyrene foam, and a vacuum formed plastic liner. It also features a high-quality, flexible drain hose, which is suitable for PVC size.

High efficiency condensing unit

- Compact size — easy to install in small spaces
- Reliable slit-type aluminum fin
- Options: Blue or copper fin, stainless casing, 45-degree louver, and aeris™ coating



Fan speed:

Four fan levels provide continuous, cool airflow



Temperature setting:

set temperature range is from 15 °C to 30 °C.



Powercool (turbo) mode:

Cool off quicker (Turbo mode for LCD wired control)



Sleep mode:

Stay comfortable with automatic room temperature adjustment during the night



Econo mode:

Save energy while keeping cool



Dry mode:

provides effective humidity reduction with high efficient cooling capacity.



24 hours programmable timer:

Select on/off times to schedule even more energy and cost savings



Touch wired control
(ACYSTAT160AA cooling only)
(ACYSTAT260AA cool and heat)



LCD wired control
(ACYSTAT110AA cooling only)
(ACYSTAT210AA cool and heat)



LCD wireless
remote control



LCD wired
control

(ACYSTAT120AA cooling only)
(ACYSTAT220AA cool and heat)



LCD wireless
remote control



Touch wired
control

(ACYSTAT170AA Cooling Only)
(ACYSTAT270AA Cool & Heat)

Digital touch-control series

- Choose from wired or wireless control
- Touch-control switch
- Intelligent features add more convenience

Product specification 50Hz: high efficiency models

Model	Indoor Unit		MCDD09AA5 TTKC09PB5	MCDD12AA5 TTKC12LB5	MCDD18AA5 TTKC18LB5	MCDD24AA5 TTKC24LB5	MCDD30EB5 TTKC30KB5	MCDD36EB5 TTKC36KB5	MCDD36EB5 TTKC36KB5	MCDD42EB5 TTKD42KD5
Electrical Data	Power Supply	V/ph/Hz	10,600	13,400	18,100	25,400	31,100	36,100	36,200	40,900
Performance Data	Cooling Capacity	Btu/h	11.31	11.85	11.31	11.14	11.15	11.10	11.52	11.71
	Energy Efficiency Rating (EER)	Btu/h/W	300	400	600	800	1,000	1,200	1,200	1,200
	Nominal Airflow	cfm								
Indoor Unit										
Expansion Device	Type									
Fan Motor	RLA/LRA	A	0.49/0.71	0.49/0.71	0.86/1.26	1.71/3.19	1.71/3.19	1.56/3.01	1.56/3.01	2.29/3.15
Control Type	LCD Control Series									
	Touch Control Series									
Accessories	Return Air Plenum									
Installed Position	Ceiling Concealed									
Dimension	Height	mm	258	258	270	325	348	408	408	408
	Width	mm	946	946	1,098	1,098	1,251	1,098	1,098	1,098
	Depth	mm	456	456	482	520	672	759	759	759
Weight		kg	23	24	27	28	41	47	47	50
Piping Connection Type										
Refrigerant Pipe Size	Liquid	in	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Suction	in	1/2	5/8	5/8	5/8	3/4	3/4	3/4	7/8

1. At ARI system rating conditons of 80°F - DB / 67°F - WB Indoor & 95°F - DB Outdoor.
2. Rated for 25 feet (7.5 meters) of evacuated refrigerant piping.
3. Outdoor unit's dimensions exclude the size of the mounting feet. For more detail, please see the drawing in the installation manual.

Product specification 50Hz: standard models

Model	Indoor Unit		MCDC12DB TTKC12LB	MCDC18DB TTKC18PB	MCDC24DB TTKC24PB	MCDC30DB TTKC30PB	MCDC36DB TTKC36KB	MCDC36DB TTKC36KD	MCDD48DB TTKD48KD	MCDD48DB TTKD48KD	MCDD60DB TTKD60KD
Electrical Data	Power Supply	V/ph/Hz			220-240/1/50				380-415/3/50		
Performance Data	Nominal Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000	36,000	42,000	48,000	60,000
	Nominal Airflow	cfm	400	600	800	1,000	1,200	1,200	1,400	1,600	2,000
Indoor Unit											
Expansion Device	Type										
Fan Motor	RLA/LRA	A	0.48/0.80	0.82/1.86	1.37/3.15	1.98/5.28	2.20/5.77	2.20/5.77	3.33/5.08	3.33/5.08	4.30/6.98
Control Type	LCD Control Series										
	Touch Control Series										
Accessories	Return Air Plenum										
Installed Position	Electric Heater										
	Ceiling Concealed										
Dimension	Height	mm	258	258	258	258	258	258	408	408	408
	Width	mm	946	946	946	1,098	1,251	1,251	1,098	1,098	1,251
	Depth	mm	494	494	531	531	531	531	759	759	759
Weight		kg	21	23	24	27	30	30	49	49	55
Piping Connection Type											
Refrigerant Pipe Size	Liquid	in	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Suction	in	1/2	1/2	5/8	5/8	3/4	3/4	7/8	1 1/8	1 1/8

1. At ARI system rating conditons of 80°F - DB / 67°F - WB Indoor & 95°F - DB Outdoor.
2. Rated for 25 feet (7.5 meters) of evacuated refrigerant piping.
3. Outdoor unit's dimensions exclude the size of the mounting feet. For more detail, please see the drawing in the installation manual.

Product specification 60Hz: standard models

Model	Indoor Unit		MCDC12D1 TTKC12L1	MCDC18D1 TTKC18P1	MCDC24D1 TTKC24P1	MCDC30D1 TTKC30P1	MCDC36D1 TTKC36K1	MCDC36D1 TTKC36K4	MCDD48D1 TTKD42K4	MCDD48D1 TTKD48K4	MCDD60D1 TTKD60K4
Electrical Data	Power Supply	V/ph/Hz			230/1/60				460/3/60		
Performance Data	Nominal Capacity	Btu/h	12,000	18,000	24,000	30,000	36,000	36,000	42,000	48,000	60,000
	Nominal Airflow	cfm	400	600	800	1,000	1,200	1,200	1,400	1,600	2,000
Indoor Unit											
Expansion Device	Type										
Fan Motor	RLA/LRA	A	0.58/0.70	0.81/1.20	1.42/2.04	1.87/2.59	2.07/3.65	2.07/3.65	3.00/7.22	3.00/7.22	3.80/5.43
Control Type	LCD Control Series										
	Touch Control Series										
Accessories	Return Air Plenum										
Installed Position	Electric Heater										
	Ceiling Concealed										
Dimension	Height	mm	258	258	258	258	258	258	408	408	408
	Width	mm	946	946	946	1,098	1,251	1,251	1,098	1,098	1,251
	Depth	mm	494	494	531	531	531	531	759	759	759
Weight		kg	21	23	24	27	30	30	49	49	55
Piping Connection Type											
Refrigerant Pipe Size	Liquid	in	1/4	1/4	3/8	3/8	3/8	3/8	3/8	3/8	3/8
	Suction	in	1/2	1/2	5/8	5/8	3/4	3/4	7/8	1 1/8	1 1/8

1. At ARI system rating conditons of 80°F - DB / 67°F - WB Indoor & 95°F - DB Outdoor.
2. Rated for 25 feet (7.5 meters) of evacuated refrigerant piping.
3. Outdoor unit's dimensions exclude the size of the mounting feet. For more detail, please see the drawing in the installation manual.



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Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.
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