

Illusion Product Specifications

Note: 1. Capacity is rated at ARI conditions of  $80^{\circ}/67^{\circ}$  FDB/FWB for Indoor &  $95^{\circ}$  FDB for Outdoor  
2. Outdoors units dimensions do not include the dimensions of waste heat

2. Outdoor unit dimensions depth is not included the dimensions of units less than 1000 mm.

4. Product design and specification are subjected to change without notice.

Insight Product Specifications

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WISCONSIN PRACTICE STATUTES

Model	Indoor Unit	MCDA30DB	MCDA36DB	MCDA36DB	MCDB48DB	MCDB60DB
	Outdoor Unit	TTKA30KB	TTKA36KB	TTKA36KB	TTKB42KD	TTKB60KD
Electrical Data	Power Supply	V/ph/Hz				
Performance Data	Cooling Capacity	Btu/h	30,000	33,000	36,000	42,000
	Airflow	CFM	1,000	1,200	1,200	1,600
Indoor Unit			220-240/1/50			380-415/3/50
Expansion Device					Capillary Tube	
Fan Motor	RLA x Qty	A	1.27	1.38	1.38	1.56
Dimensions	H x W x D	mm	300x1,098x625	300x1,251x625	300x1,251x625	408x1,098x759
Weight		kg	37	41	41	49
Outdoor Unit				Rotary		Scorll
Compressor	Type					
	RLA	A	13.3	13.3	16.1	5.7
Fan Motor	RLA x Qty	A	0.88	0.88	0.50	0.50
Dimensions	H x W x D	mm			795 x 1,018 x 360	
Weight		kg	83	83	83	88
Piping Connection Type	Liquid	in	3/8	3/8	Shut-off Valve : Flare Connection	Shut-off Valve : Sweat Connection
Refrigerant Pipe Size	Suction	in	5/8	5/8	3/8	3/8
			3/4	3/4	7/8	7/8

**Refrigerant** \_\_\_\_\_

Note: 1. Capacity is rated at ARI conditions of  $80^{\circ}/67^{\circ}$  FDB/FWB for Indoor &  $95^{\circ}$  FD  
 2. Outdoor unit dimensions do not include the dimensions of units lens

2. Outdoor unit dimensions depicted is not included the dimensions of units legs.
3. Certified TIS 21/34-2553 for 12,000 - 36,000 Btu/h models.



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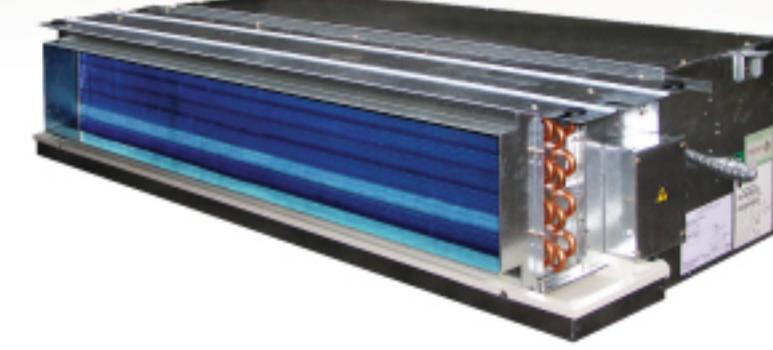
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MS-SLB-MCD2-EN June 1<sup>st</sup>, 2017



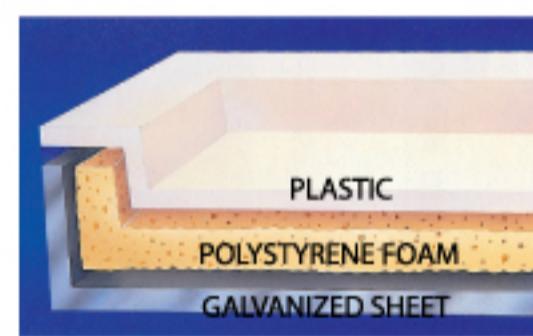
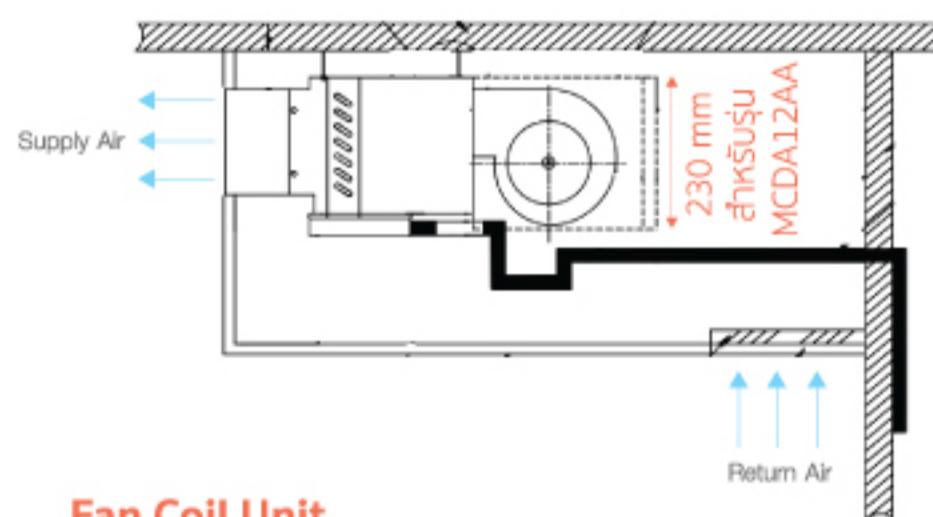
**TRANE**



# ILLUSION & INSIGHT



*Mini-Split Air Conditioner  
12,000 - 60,000 BTU/H Concealed Model  
MCD R-410A Series 50 Hz*



#### Fan Coil Unit

- The product is available from 12,000 – 60,000 BTU.
- Concealed type of air conditioners, designed to be easily installed on a confined ceiling.
- New compact design, easy to install, especially for 30,000 – 36,000 BTU/h models with heights of only 30 centimeters.
- Suitable for free-blow or low static applications.
- Distribute airflow with low speed.

#### Control Options for Illusion and Insight

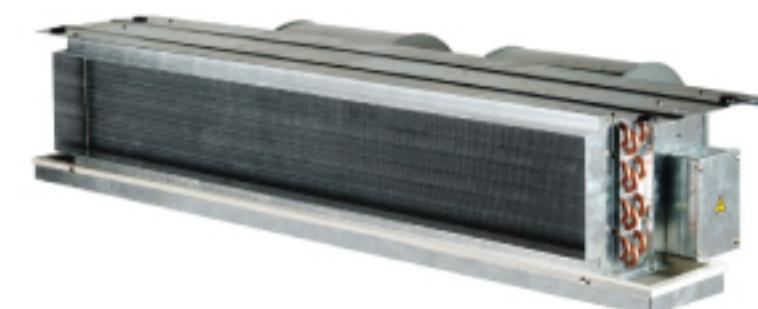


#### Trane Wall Thermostat II (optional)

Trane's Wall Thermostat II is used to control four levels of fan speed. Its temperature setting ranges from 15 °C - 30 °C. It has compressor's status display and is equipped with a receiver for a remote controller.

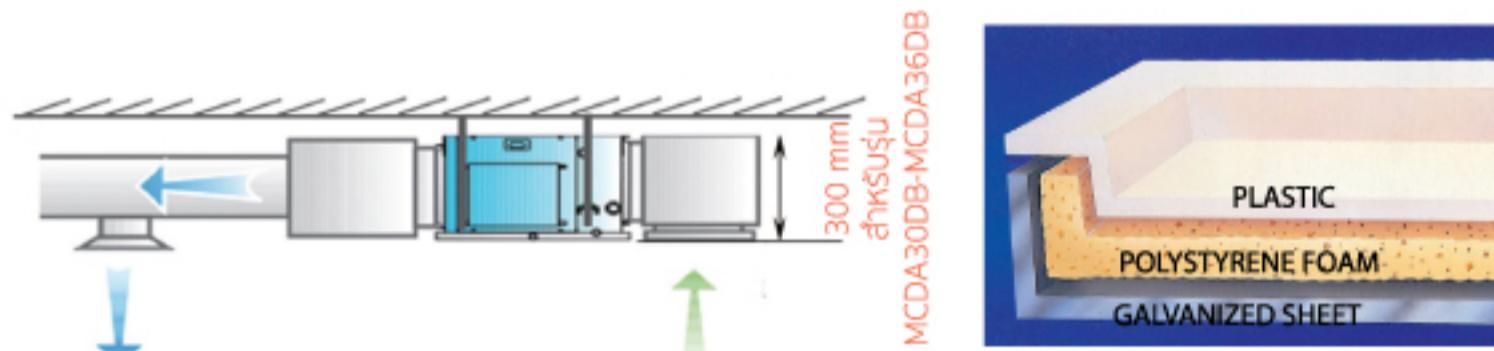
## Illusion

**Concealed Type  
12,000-36,000 Btu/h  
MCD Series 50Hz**



Equipped with the return-air-plenum for quieter operation (comes as a standard for 30,000-60,000 Btu/h models).

- Various fan speeds are available especially Extra-High speed mode which is available for 30,000-60,000 Btu/h models.
- All models have full cooling capacity and save more electricity.
- The 12,000, 18,000 and 24,000 BTU/h models are applicable for the Multi-split system.
- 3-layer drain pan equipped with insulator is specially inclined, for high efficiencies in draining.
- Specially designed high-grade plastic drainage pipe with high durability.
- Distribute airflow with low speed.



#### Fan Coil Unit

- The product is available from 30,000 – 60,000 BTU/h
- Concealed type of air conditioners, designed to be easily installed on a confined ceiling.
- New compact design, easy to install, especially for 30,000 – 36,000 BTU/h models have heights of only 30 centimeters.
- Suitable for high-static applications.
- Distribute airflow with low speed.

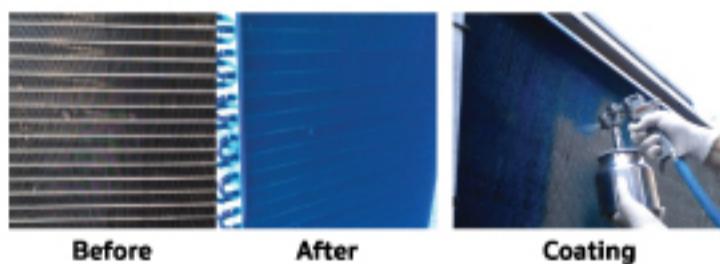
#### Condensing Unit

- Aluminum fin condenser coil designed for effective operation.
- Compactly-designed condensing units that can be installed anywhere, even within a small area and which are highly effective in cooling.
- Equipped with shut-off valves.
- The terminal block in the condensing unit is fire retardant material and certified with IEC 60335-2-40 standard
- 5-Year warranty for compressor.

#### Optional Equipment

- Blue fin and Copper fin condenser coil equipped with a quality stainless casing for usage in highly-corrosive areas such as the seaside.
- 45° Discharge Grilles help increase the cooling efficiency even in confined places.

#### Anti-Corrosive Agent (optional)



#### Condensate Drain Pump (optional)

Trane's small-sized water pump for the fan coil unit. The water pump set consists of the pump body and water level controller (suitable for 1-5 ton air conditioners).

\*Please calculate the drainage flow rate according to the actual range of the suction and compression pipes (refer to the manual) appropriate to the usage.

#### Voltage / Phase Protection

This safety device helps protect compressor in case operation voltage is not steady or mis-phase wiring connection happen.



TR-DTM helps to slow down coil corrosion caused from exposure to corrosive environments such as the seaside or from chemicals in industrial factories. It passes the Salt-Spray Test under the ASTM B117 standard for more than 5,000 – 10,000 hours.

## Insight

**Concealed Type  
30,000-60,000 Btu/h  
MCD Series 50 Hz**



Equipped with the return-air-plenum for quieter operation.

- Choose from various fan speed modes, with an Extra-High speed mode to cater to the various needs.
- Cooling coils coated with hydrophilic substance for efficient heat transfer.
- All models have full cooling capacity and save more electricity.
- 3-layer drain pan equipped with insulator is specially inclined for high efficiencies in draining.
- Specially designed high-grade plastic drainage pipe with high durability.