

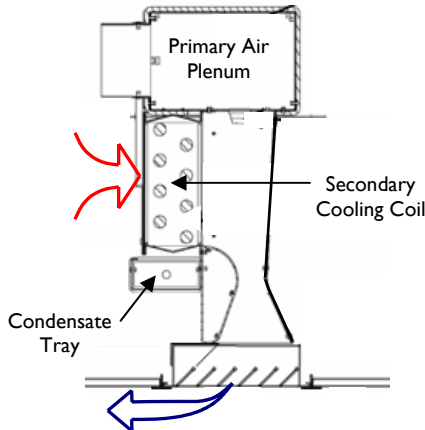
Induction Terminal Unit - CM10

Dadanco Starline™ Dadanco CM10 Ceiling Mounted Induction Terminal Units are well suited to hidden active chilled beam applications where the ceiling void is available as a return air plenum.

Dadanco Starline™ CM10 Induction Terminal Units provide efficient, effective and whisper-quiet air conditioning for almost any perimeter zone application at lower static pressures than older induction units.



Dadanco Pty Ltd Participates in the ECC programme for Active Chilled Beams
Check ongoing validity of the certificate:
www.eurovent-certification.com



CM10 Induction Terminal Units are ideally suited for ceiling void mounted installations in perimeter zones with supply air discharged away from the facade



Induction Terminal Unit Advantages

- Dadanco CM10 Induction Terminal Units supply cooling, heating and the outdoor air required for ventilation in the conditioned space
- Compact dimensions and intrinsically smaller duct sizes offer real savings in ceiling void space requirements for HVAC new construction and refurbishment projects.
- Fan power is dramatically reduced. The low primary air quantity is treated by the AHU and distributed at low pressure. The primary air is typically only 30% of the total air supplied by Dadanco CM10 Induction Terminal Units due to the use of efficient induction technology.
- Secondary air is induced over the secondary heat exchanger, delivering localized cooling, for NO FAN ENERGY REQUIREMENT
- CM10 Induction Terminal Units are designed for in-ceiling 'Lay-In' installation in T-Bar ceiling tile systems or in plasterboard ceilings with builders' continuous grilles
- CM10 Induction Terminal Units operate at lower primary air pressures than most conventional induction units
- CM10 Induction Terminal Units deliver more cooling capacity using less treated air than any all-air system
- CM10 Induction Terminal Units offer 2-stage capacity control through control of secondary water flow separate from primary air control
- Noise radiated from Dadanco CM10 Induction Terminal Units is very low...
- CM10 Induction Terminal Units require minimal maintenance (no moving parts)

Application Data – CM10

COOLING	40 to 250 W/m ²
LENGTH	Unit lengths from 700mm to 1500mm available on request for any application
FEATURES	Side or End entry primary air connections Integral Condensate Drain tray Secondary Air Lint Screen
HEIGHT	305 - 409mm 4 & 6 Tube High Unit Versions
INSULATION	Thermal insulation for the primary air plenum is standard
GRILLE	Suitable for use with low resistance individual or continuous ceiling grilles (supplied by others)
CONTROLS	CM10 units can be controlled individually or in groups of units

APPLICATIONS:

- Dadanco Induction Terminal Unit CM10 is designed specifically for in-ceiling perimeter installations in:
- High Efficiency Office Buildings & HVAC Refurbishment Projects
 - Ceiling mounted induction unit replacements
 - Schools and Institutional Buildings
 - Airports

Proudly Australian



Owned, Manufactured & Supported

Typical CM10 Installation



CM10 Ceiling Mounted Units During Installation



CM10 Ceiling Mounted Units with Continuous Air Grille

Eurovent Certified Product to Rating Standard EN15116

General Product Technical Data

MODEL	Coil Finned Length (mm)	Air Plenum Length (mm)	H = Unit Height (mm)		Unit Width (mm)	Primary Air Flow Range * (≤250Pa) (L/s) *	Sensible Cooling Capacity Range * (W) *
			4 Tube	6 Tube			
CM10.03-0700.--	700	800	346	409	185	10 ~ 29	466 ~ 1071
CM10.03-0800.--	800	900				12 ~ 33	548 ~ 1208
CM10.03-0900.--	900	1000				13 ~ 36	629 ~ 1340
CM10.03-1000.--	1000	1100				15 ~ 41	711 ~ 1503
CM10.03-1100.--	1100	1200				16 ~ 46	715 ~ 1650
CM10.03-1200.--	1200	1300				18 ~ 50	846 ~ 1780
CM10.03-1300.--	1300	1400				20 ~ 53	815 ~ 1905
CM10.03-1400.--	1400	1500				22 ~ 58	950 ~ 2036
CM10.03-1500.--	1500	1600				23 ~ 62	1031 ~ 2162

Note: Nominal cooling capacities @ 24°C Room Air, 12°C Primary Air, 13°C Secondary Chilled Water & 0.09 L/s Water Flow

* Minimum primary air & capacity from 4TH unit at ≤ 100Pa. Maximum primary air & capacity from 6TH unit ≤ 250Pa.

Different performance results can be achieved for varying secondary water flow rates, entering water temperatures, primary air conditions and primary air pressures.

For selections at conditions other than those above please contact DADANCO for further assistance.

New Technologies

Dadanco's Starline™ multi-lobe high performance induction nozzles and superior fluid dynamics design are combined into Dadanco CM10 Induction Terminal Units for improved performance and lower noise characteristics.

Rather than relying on high primary air velocities and pressures as with older induction units, Dadanco CM10 Induction Terminal Units require less primary air pressure for delivery of equal or greater amounts of primary air to induce higher rates of secondary room air through the secondary cooling coil; delivering improved cooling performance in one simple ceiling void mounted package.

All Dadanco Active Chilled Beams incorporate Starline™ Multi-Lobe induction nozzles for enhanced performance per liter/second of primary air delivered.

DISCLAIMER

While every effort is made to ensure the details contained herein are kept up to date, in the interests of ongoing product development, Dadanco reserves the right to alter the information without notice

DADANCO
Breathing Life Into Your Building

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