

## Commercial Multi System

For shops, restaurants and small offices



# Commercial Multi System

Ideal solution for light commercial spaces



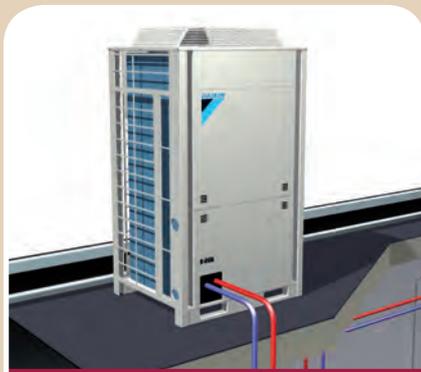
The CMSQ inverter controlled heat pump system is especially designed for light commercial applications with multiple areas requiring great flexibility and control. The CMSQ is ideal for shops, restaurants, small offices and even 2-storey areas.

This R-410A system is available in 8 and 10HP, three phase versions and reaches a COP as high as 4.1. Inverter control ensures constant room temperatures and maximum efficiency, especially in partial load situations.

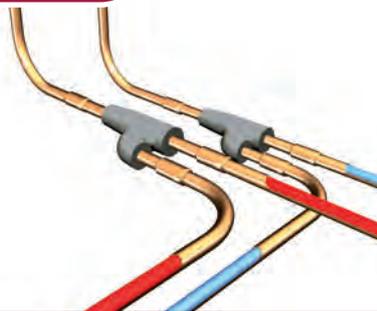
CMSQ is ideal for applications which require flexible control, but do not have a need for simultaneous heating and cooling. The outdoor units are very flexible in installation thanks to the increased piping length of 165m and the possibility to install the unit on the roof, placed against an outside wall or even indoors.

The CMSQ outdoor units are supported by Daikin's Roundflow cassette (FMCQ) and the inverter fan concealed ceiling unit (FMDQ). Up to four indoor units can be installed in any combination of capacity and type, with each unit individually controllable via its own infrared or hard-wired remote control. CMSQ also optionally supports Daikin's Intelligent Touch Controller and Intelligent Manager control systems.

When combined with a Roundflow cassette, the new self-cleaning option can be chosen for total comfort and energy savings of up to 30%.



**OUTDOOR UNIT:** Can be mounted easily on a roof, placed against an outside wall or even located indoors



**REFNET:** Designed for simple installation





**PIPING LENGTH INDOOR – OUTDOOR:**

Maximum piping length outdoor-all indoors: up to 165m  
 Maximum installation height difference outdoor-indoor: up to 30m



**ASYMMETRIC COMBINATION:**

Different size and types of indoor units are possible



**SELF-CLEANING OPTION:**

Maintenance time & costs reduction and energy savings up to 30%



**REMOTE CONTROLLERS:**

All indoor units can be controlled individually via wired or infrared remote control

# CMSQ



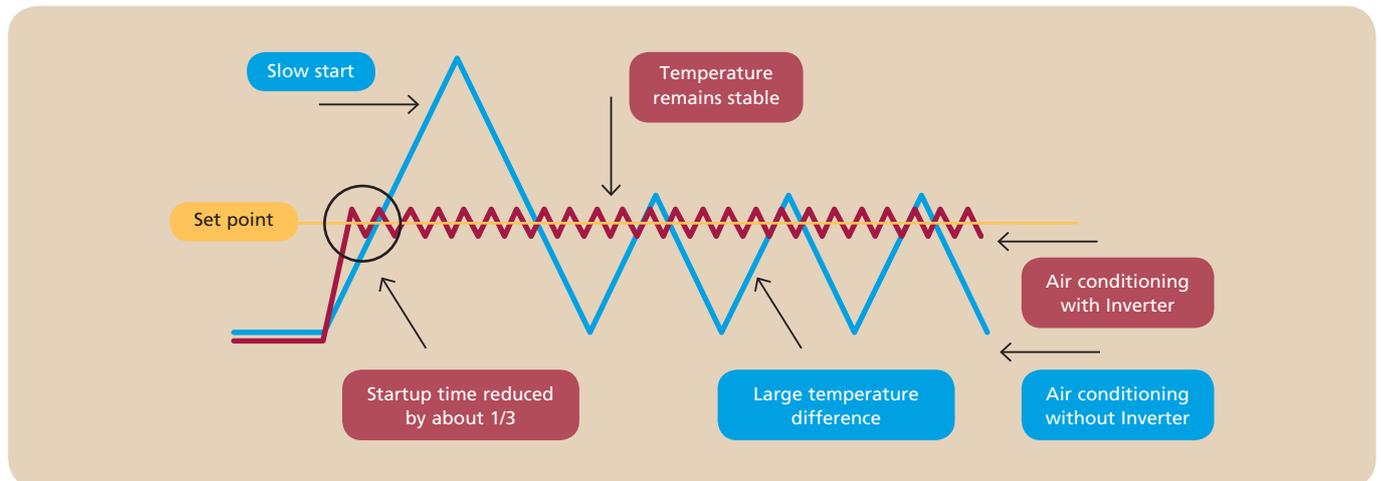
## Creating the highest comfort levels

Inverter technology used in the Commercial Multi System (CMSQ) ensures the highest comfort levels. The automatic control of room temperature means that the actual sensed temperature in the room is at the pre set level, ensuring it is never too cool or too hot.

This is a major improvement over standard fixed speed models, which utilise continuous on/off switching of the compressor, creating greater fluctuations in room temperatures.

### Inverter technology offers improved levels of comfort:

- Less frequent start/stop cycles
- Capacity is automatically throttled back when set point is approached
- Start-up time is reduced by 1/3.

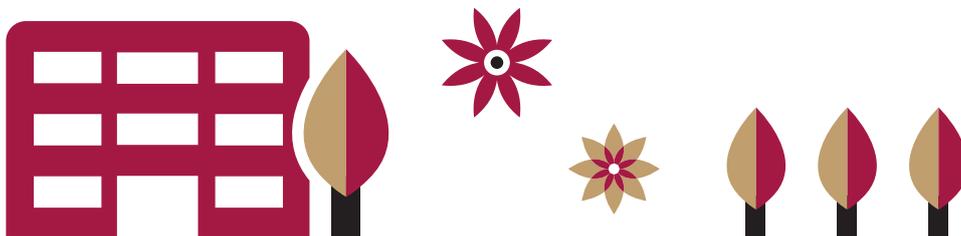


## Saving energy

Based around Daikin's well proven reluctance DC compressor motor technology, the CMSQ units deliver high energy efficiency particularly in the mid to low settings, minimising annual electricity consumption and overall running costs. The system also offers improved COP up to 4.10.

### The application of inverter control saves energy for two basic reasons:

- It enables compressor speed to vary according to the cooling/heating load and therefore consumes only the power necessary to match that load
- In partial load conditions energy efficiency is higher.





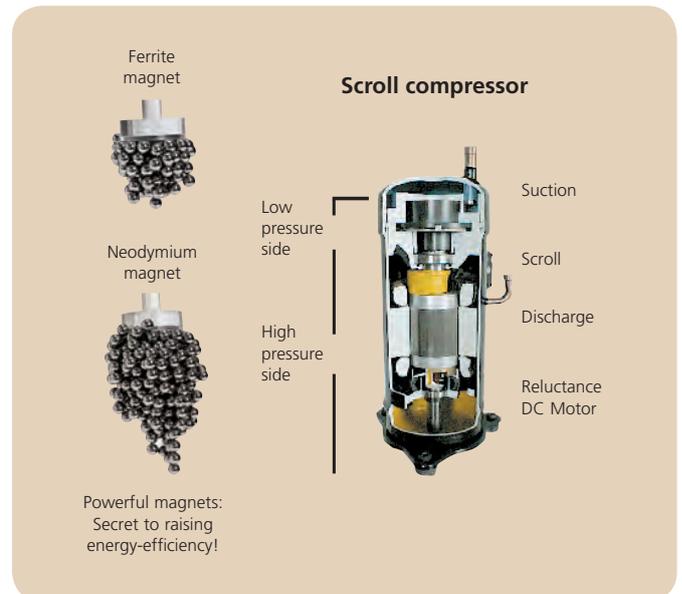
## Energy saving technology

### Reluctance DC compressor

CMSQ outdoor units are equipped with a scroll compressor. The motor in the compressor is transferred from the low pressure side to the high pressure side. In this way superheat can be better controlled, resulting in better performance.

The scroll compressor is driven by the newly developed motor enabling better performance, higher energy efficiency resulting in high energy cost savings:

- Using 4 neodymium magnets. These magnets are more powerful than the widely used ferrite types.



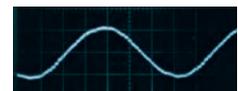
### Sine Wave DC inverter

Generates smooth inverter waveforms to increase efficiency.

#### Rectangular wave



#### Sine wave PWM\*



\*Pulse Width Modulation

### Fan motor

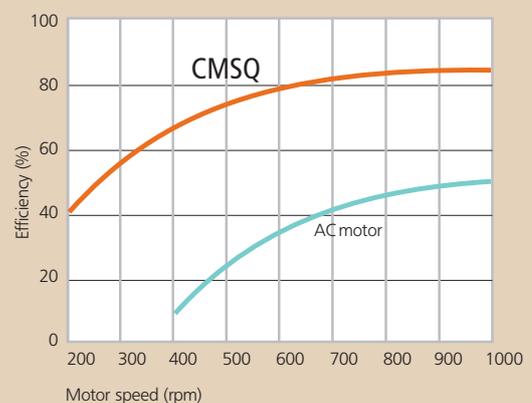
The DC fan motor offers substantial improvements in operating efficiency compared to conventional AC motors, especially during low speed operation. Whole energy efficiency levels have been significantly improved.

#### DC fan motor structure



#### DC motor efficiency

(comparison with a conventional AC motor)



# Individual control

The CMSQ is ideal for applications which require flexible control, but without the need for simultaneous heating and cooling.

Up to 4 indoor units can be controlled individually in order to provide an even higher comfort level for your customers. In this way all different areas in shop (storage room and shop floor), restaurants (bar, kitchen or dining area) and offices (meeting room or desks) can be set at a different temperature.



## In addition, the new BRC1E51A brings:

- New aesthetic design
- Easy navigation through a menu list with minimal number of buttons
- Personalised full dot liquid crystal display
- New temperature sensor position for accurate in room temperature measurement
- More useful information on the display (e.g. installer contact info – model name of the unit in case of malfunction instead of code –...)
- Built-in backup power – when a power failure occurs, all settings remain stored up to 48 hours
- Backlight display.

## Wired remote control (BRC1D52 and BRC1E51A)

- Real time clock: indicates real time and day
- Limit operation (min/max): room temperature is controlled within adjustable upper and lower limits. Limit operation can be activated manually or by schedule timer
- Schedule timer: Provides a 7-day schedule timer, enabling daily or weekly programming. Up to 5 actions per day possible
- Home leave (frost protection): during absence, the indoor temperature can be maintained at a certain level. This function can also switch the unit ON or OFF
- Different levels of disabled buttons can be selected as follows:

**Level 1:** all buttons are accessible

**Level 2:** all buttons are disabled except for: ON/OFF, set temperature up/down, fan speed, cooling/heating mode, enable/disable schedule timer, air flow direction adjustment button

**Level 3:** all buttons are disabled except for: ON/OFF, set temperature up/down, fan speed.

## Infrared remote control

### ON/OFF

- Timer mode start/stop
- Timer mode on/off
- Programme time
- Temperature setting
- Air flow direction
- Operating mode
- Fan speed control
- Filter sign reset
- Inspection / test indication.

INDOOR UNITS	INFRARED REMOTE CONTROL
FMCQ-A	BRC7F532F
FMDQ-A	BRC4C64



### Other control possibilities



### Intelligent touch Controller

#### Connectable to provide:

- Individual control: set point, start/stop, fan speed
- Schedule control
- Flexible grouping in zones
- Yearly schedule
- Fire emergency stop control
- Interlocking control
- Automatic cooling/heating changeover
- Heating optimization
- Temperature limit
- Password security: 3 levels (general, administration and service)
- Quick selection and full control
- Simple navigation
- Easy installation and labour saving
- Compact design: limited installation space
- Overall energy saving

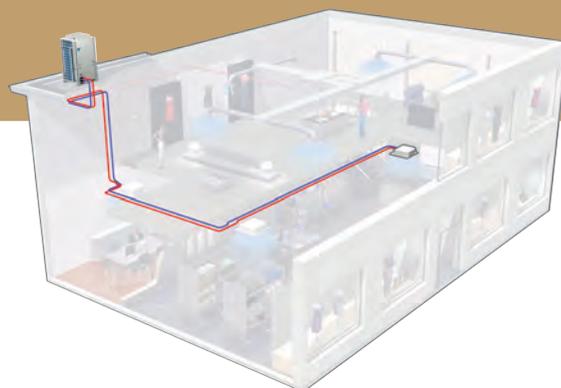


### Intelligent Manager

#### Connectable to provide:

- Individual control: set point, start/stop, fan speed
- Group control
- Schedule control
- Fire emergency stop control
- Interlocking control
- Set point limitation
- Automatic cooling/heating changeover
- Power failure/release control
- Temperature limit (automatic start)
- Timer extension
- Easy installation and labour saving
- Compact design: limited installation space
- Overall energy saving

# Flexible installation and maintenance

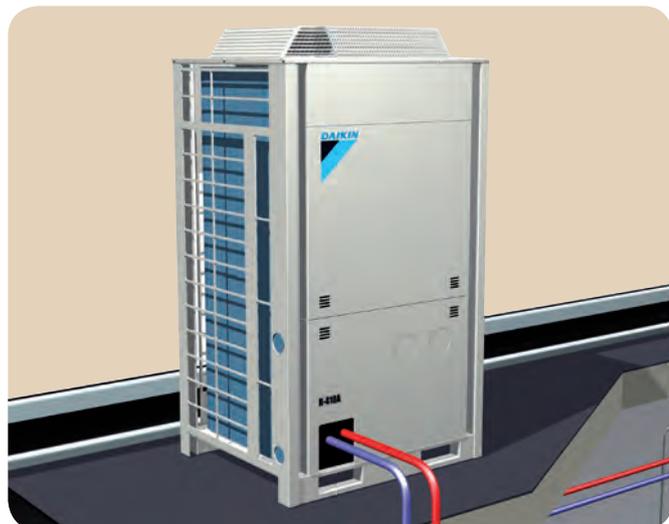


## Extended piping length

CMSQ units offer an extended piping length of 165m (190m equivalent) with a total system piping length (from the outdoor unit to all indoor units) of 200m.

This makes installation more flexible for any required layout. Level difference between outdoor and indoor is up to 30m.

**Between the indoor units the difference in height can be up to 4m, this means 2-storey applications are possible.**



## Flexible installation of the outdoor unit

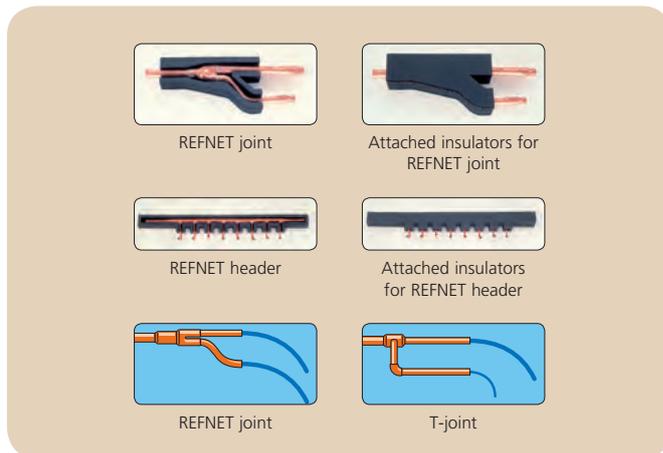
The CMSQ units are flexible in installation. With the extended piping length the outdoor unit can be installed where it suits you. These outdoor units can be mounted easily on a roof, placed against an outside wall or even located indoors.

## Anti corrosion treatment

Special anti corrosion treatment of the heat exchanger provides 5 to 6 times more resistance against acid rain and salt corrosion. The provision of rust proof steel sheet on the underside of the unit gives additional protection providing the quality standard adapted by Daikin.

## Improvement in corrosion resistance

	CORROSION RESISTANCE RATING	
	NON-TREATED	ANTI-CORROSION TREATED
SALT CORROSION	1	5 to 6
ACID RAIN	1	5 to 6



## Unified REFNET piping

The unified Daikin REFNET piping system is especially designed for simple installation.

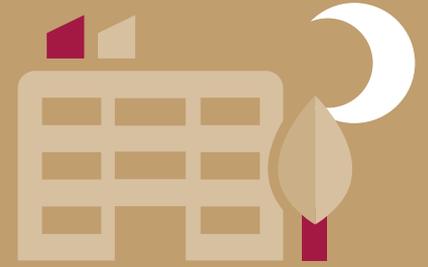
The use of REFNET piping in combination with electronic expansion valves, results in a dramatic reduction in imbalance in refrigerant flowing between indoor units, despite the small diameter of the piping.

REFNET joints and headers (both accessories) can cut down on installation work and increase system reliability.

Compared to regular T-joints, where refrigerant distribution is far from optimal, the Daikin REFNET joints have specifically been designed to optimise refrigerant flow.



# Low noise level



## Daikin outdoor units

The sound pressure levels for CMSQ outdoor units are as low as 57 dB(A).

## Daikin indoor units

Roundflow Cassette FMCQ goes down to 28 dBA, whereas ducted FMDQ goes down to 30 dBA.

DB(A)	PERCEIVED LOUDNESS	SOUND
0	THRESHOLD OF HEARING	-
20	EXTREMELY SOFT	RUSTLING LEAVES
<b>28</b>	<b>FMCQ-A</b>	
<b>30</b>	<b>FMDQ-A</b>	
40	VERY SOFT	QUIET ROOM
60	MODERATELY LOUD	NORMAL CONVERSATION
80	VERY LOUD	CITY TRAFFIC NOISE
100	EXTREMELY LOUD	SYMPHONIC ORCHESTRA
120	THRESHOLD OF FEELING	JET TAKING OFF

## Night quiet function

During the night the sound level of the outdoor unit can be reduced for a certain period: starting time and ending time can be input.

2 modes<sup>\*1</sup> with low sound level at night:

- **Mode 1 Automatic mode**

Set on the outdoor PCB. Time of maximum temperature is memorised. The low operating mode will become active 8 hours<sup>\*2</sup> after the peak temperature in the daytime and operation will return to normal after 10 hours<sup>\*3</sup>.

- **Mode 2 Customized mode**

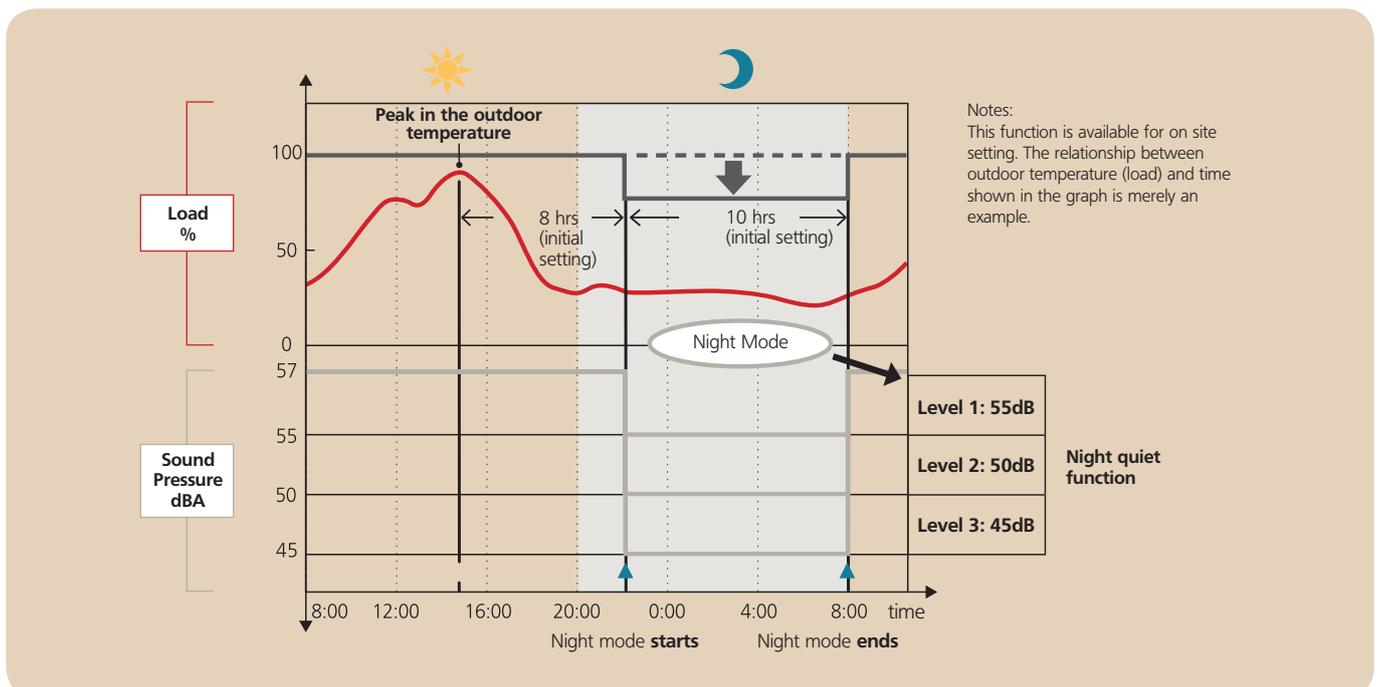
Starting and ending times can be input. (External control adapter for outdoor unit, DTA104A61 or DTA104A62 and a separately ordered timer are necessary.)

Notes:

\*1. Determine which mode to select depending on the climatic characteristics of each country.

\*2. Initial setting. Can be selected from 6, 8 and 10 hours.

\*3. Initial setting. Can be selected from 8, 9 and 10 hours.



# Indoor – outdoor combinations



The CMSQ outdoor units can be connected to following indoor units:

- FMCQ-A8, Roundflow cassette
- FMDQ-B, Concealed ceiling unit with DC Inverter driven fan

Asymmetric combination of all indoor units can be connected to the outdoor unit.

The indoor units may be of different types (e.g. combination of Round flow cassette and concealed ceiling unit) and even in different capacities (e.g. 71 and 125 class). All indoor units can be installed in the same room or in different rooms and are always **controlled individually** from their own wired or infrared remote control, providing your customers a higher comfort level.

OUTDOOR TYPE	NUMBER OF CONNECTABLE INDOORS	INDOOR TYPE	CAPACITY INDEX 1	CAPACITY INDEX 2	CAPACITY INDEX 3	CAPACITY INDEX 4	TOTAL CAPACITY INDEX	REFNET
CMSQ200A	2	FMCQ/FMDQ	50	50			100	KHRQ22M20TA
			50	60			110	KHRQ22M20TA
			50	71			121	KHRQ22M20TA
			50	100			150	KHRQ22M20TA
			50	125			175	KHRQ22M20TA
			60	60			120	KHRQ22M20TA
			60	71			131	KHRQ22M20TA
			60	100			160	KHRQ22M20TA
			60	125			185	KHRQ22M20TA
			71	71			142	KHRQ22M20TA
			71	100			171	KHRQ22M20TA
			71	125			196	KHRQ22M20TA
			100	100			200	KHRQ22M20TA
CMSQ200A	3	FMCQ/FMDQ	50	50	50		150	2 x KHRQ22M20TA
			50	50	60		160	2 x KHRQ22M20TA
			50	50	71		171	2 x KHRQ22M20TA
			50	50	100		200	2 x KHRQ22M20TA
			50	60	60		170	2 x KHRQ22M20TA
			50	60	71		181	2 x KHRQ22M20TA
			50	71	71		192	2 x KHRQ22M20TA
			60	60	60		180	2 x KHRQ22M20TA
			60	60	71		191	2 x KHRQ22M20TA
CMSQ200A	4	FMCQ/FMDQ	50	50	50	50	200	3 x KHRQ22M20TA



OUTDOOR TYPE	NUMBER OF CONNECTABLE INDOORS	INDOOR TYPE	CAPACITY INDEX 1	CAPACITY INDEX 2	CAPACITY INDEX 3	CAPACITY INDEX 4	TOTAL CAPACITY INDEX	REFNET
CMSQ250A	2	FMCQ/FMDQ	50	100			150	KHRQ22M29T9
			50	125			175	KHRQ22M29T9
			60	71			131	KHRQ22M29T9
			60	100			160	KHRQ22M29T9
			60	125			185	KHRQ22M29T9
			71	71			142	KHRQ22M29T9
			71	100			171	KHRQ22M29T9
			71	125			196	KHRQ22M29T9
			100	100			200	KHRQ22M29T9
			100	125			225	KHRQ22M29T9
			125	125			250	KHRQ22M29T9
CMSQ250A	3	FMCQ/FMDQ	50	50	50		150	KHRQ22M29T9 + KHRQ22M20TA
			50	50	60		160	KHRQ22M29T9 + KHRQ22M20TA
			50	50	71		171	KHRQ22M29T9 + KHRQ22M20TA
			50	50	100		200	KHRQ22M29T9 + KHRQ22M20TA
			50	50	125		225	KHRQ22M29T9 + KHRQ22M20TA
			50	60	60		170	KHRQ22M29T9 + KHRQ22M20TA
			50	60	71		181	KHRQ22M29T9 + KHRQ22M20TA
			50	60	100		210	KHRQ22M29T9 + KHRQ22M20TA
			50	60	125		235	KHRQ22M29T9 + KHRQ22M20TA
			50	71	71		192	KHRQ22M29T9 + KHRQ22M20TA
			50	71	100		221	KHRQ22M29T9 + KHRQ22M20TA
			50	71	125		246	KHRQ22M29T9 + KHRQ22M20TA
			60	60	60		180	KHRQ22M29T9 + KHRQ22M20TA
			60	60	71		191	KHRQ22M29T9 + KHRQ22M20TA
			60	60	100		220	KHRQ22M29T9 + KHRQ22M20TA
			60	60	125		245	KHRQ22M29T9 + KHRQ22M20TA
			71	71	71		213	KHRQ22M29T9 + KHRQ22M20TA
			71	71	100		242	KHRQ22M29T9 + KHRQ22M20TA
CMSQ250A	4	FMCQ/FMDQ	50	50	50	50	200	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	50	50	60	210	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	50	50	71	221	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	50	50	100	250	KHRQ22M29T9 + 2 x KHRQ22M20TA (1) 2 x KHRQ22M29T9 + KHRQ22M20TA (2)
			50	50	60	60	220	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	50	60	71	231	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	60	60	60	230	KHRQ22M29T9 + 2 x KHRQ22M20TA
			50	60	60	71	241	KHRQ22M29T9 + 2 x KHRQ22M20TA
			60	60	60	60	240	KHRQ22M29T9 + 2 x KHRQ22M20TA
			60	60	60	71	251	KHRQ22M29T9 + 2 x KHRQ22M20TA

Notes: (1) when indoor 100 is the first - (2) when indoor 50 is the first

Remark: in case 2 different Refnets are being used, KHRQ22M29T9 needs to be installed first in line



# CMSQ-A

Outdoor Unit

Especially developed for light commercial multi applications such as shops, restaurants and small offices. Ideal for two-storey applications.



Outdoor unit

- **Two classes available:** 20kW and 25kW
- **Energy efficient:** EER up to 3.71 and COP up to 4.1
- **Two types of connectable indoor units:** unique Roundflow cassette (FMCQ) and concealed ceiling unit (FMDQ), both in a range of capacities from 5.0 to 12.5 kW
- **Individual control:** up to 4 indoors can be connected and controlled individually
- **Asymmetric combination:** different capacities between indoor units is allowed
- **Quiet in operation:** sound levels as low as 57 dBA (normal operation) and 45 dBA (night mode).
- **Flexible solution:**
  - Can be mounted on a roof, placed against an outside wall, or installed indoors
  - Total system piping length of 200m
  - Level difference between outdoor and indoor unit up to 30m
  - Height difference between the indoor units up to 4m (two-storey shop application possible)
  - REFNET piping system for optimum refrigerant flow
  - Connectable to the Intelligent Touch Controller and Intelligent Manager control systems

HEAT PUMP				CMSQ-A			
Outdoor Unit				CMSQ200A7W1B		CMSQ250A7W1B	
Nominal capacity	cooling	kW		20.0		25.0	
	heating	kW		22.4		28.0	
Nominal input	cooling	kW		6.60		6.74	
	heating	kW		5.80		6.83	
EER				3.03		3.71	
COP				3.86		4.10	
Power supply			P <sub>N</sub> VHz	3N~, 400V, 50Hz			
Dimensions			HxWxD	mm	1,680x635x765	1,680x930x765	
Weight				kg	159	187	
Colour				Daikin White			
External static pressure				78 Pa in high static pressure			
Sound pressure level	cooling	dB(A)		57		59	
	cooling	dB(A)		55-50-45			
Sound power level (nom)			cooling	dB(A)	78	81	
Compressor				Hermitically sealed scroll compressor			
Refrigerant type				R-410A			
Refrigerant charge			kg	6.2		7.7	
Refrigerant oil				Synthetic (ether) oil			
Refrigerant oil charged volume			l	1.7		2.1	
Total system piping length (outdoor to all indoor units)			m	200			
Maximum piping length (outdoor-indoor units)			m	165			
Maximum installation height difference (outdoor-indoor units)			m	30			
Maximum interunit level difference (indoor-indoor)			m	4			
Maximum connectable indoor units				4			
Piping connections			liquid (O.D.)	mm	9.52		
			gas (O.D.)	mm	15.9		19.1
Operation range	cooling	from ~ to	°CDB	- 5.0 ~ 43.0			
	heating	from ~ to	°CWB	- 20.0 ~ 15.0			

OPTIONAL ACCESSORIES			
Name of Option			
REFNET header		KHRQ22M29H	
		KHRQ22M20T	
REFNET joint		KHRQ22M29T9	
Central drain pan kit		KWC26B160	KWC26B280

# FMCQ-A8

## Roundflow Cassette



White with white louvres



Self-cleaning cassette

- The thin body of the unit is the solution for customers requiring a compact unit for use with false ceilings: the required installation height is only 214mm for class 50-60 (294mm for Self-cleaning cassette)
- Modern style decoration panel, in 2 different variations:**
  - Standard** – available in full white or in white with grey louvres
  - Self-cleaning** – available in white with grey louvres. This innovative technology ensures maintenance time and costs are reduced and energy savings up to 30%. The panel is equipped with a special rounded filter, which automatically cleans itself once a day. The dust coming from this filter is stored in the indoor unit and can be removed with a normal vacuum cleaner once or twice a year depending on the application
- Wired remote controller:** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible (BRC1D52 standard / BRC1E51A optional)
- BRC1E51A – New optional wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons
- Horizontal air discharge:** ensures draught free operation and prevents ceiling soiling
- Air flow flexibility:** a wide selection of 23 different airflow patterns enables unit installation in corners or small rooms. Air discharge from the corners avoids dead zones that may be subject to temperature differences
- Fresh air intake:** up to 20%
- Air purification filter:** removes airborne dust particles to ensure a steady supply of clean air
- Quiet operation:** down to 29 dBA sound pressure level
- Fan speed:** 2 fan speeds can be selected
- Standard high-lift drain pump kit (850mm):** increases reliability of the drain system

			FMCQ-A8				
Indoor Unit			FMCQ50A8	FMCQ60A8	FMCQ71A8	FMCQ100A8	FMCQ125A8
Nominal capacity	cooling	kW	5.0	6.0	7.1	10.0	12.5
	heating	kW	5.6	6.7	8.0	11.2	14.0
Dimensions (HxWxD)	unit	mm	204x840x840		246x840x840		288x840x840
Weight	unit	kg	21		24		26
Casing	Galvanised steel plate						
Air flow rate (H/L)	cooling	m <sup>3</sup> /min	15.5/10.0	16.5/11.0	23.5/14.5	26.5/17.0	33.0/20.0
	heating	m <sup>3</sup> /min	15.0/9.5	17.5/12.0	23.5/14.5	28.0/17.5	33.0/20.0
Sound pressure level (H/L)	cooling	dB(A)	33/28	34/29	38/32	41/33	44/34
	heating	dB(A)	33/28	36/30	38/32	42/34	44/34
Sound power level	cooling	dB(A)	51	52	55	58	61
Power supply	P <sub>h</sub> VHz		1~,220-240/220,50/60				
Refrigerant type	R-410A						
Piping connections	liquid (O.D.)	mm	6.35	9.52			
	gas (O.D.)	mm	12.7	15.9			
	drain	mm	VP25 (O.D. 32, I.D. 25)				
Infrared remote control	BRC7F532F						
Wired remote control	BRC1D52 (standard) / BRC1E51A (optional)						
Decoration panel (model / colour / dimensions (HxWxD) (mm))	Option 1 – Standard Roundflow Cassette		BYCQ140CW1 / White (RAL9010) with grey louvres / 50x950x950				
	Option 2 – Standard Roundflow Cassette		BYCQ140CW1W / White with white louvres (RAL 9010) / 50x950x950				
	Option 3 – Self-cleaning Roundflow Cassette		BYCQ140CG / White (RAL9010) with grey louvres / 130x950x950				
Decoration panel weight	All options	kg	11.5				

OPTIONS			FMCQ50A8	FMCQ60A8	FMCQ71A8	FMCQ100A8	FMCQ125A8
Decoration panel			BYCQ140CW1 / BYCQ140CW1W / BYCQ140CG				
Long life replacement filter	non woven type		KAFP551K160				
Fresh air intake kit (20% fresh air intake)	chamber type		KDDQ55C140				
Sealing member of air discharge outlet			KDBHQ55C140				



# FMDQ-B

## Inverter Fan Ducted

The new ducted unit with DC inverter driven fan offers lower energy input and higher performance and comfort.



Concealed ceiling unit inverter fan

- Ideal for areas requiring maximum floor space for furniture, decorations and fittings. Only air suction and discharge grilles are visible
- **DC inverter fans:** large reduction in power consumption
- **3-step airflow control:** Comfort improved
- **External Static Pressure (ESP):** up to 120Pa. Flexible ducts of varying lengths can be easily used. Possibility to change ESP through wired remote control allows optimisation of the supply air volume
- **Automatic air flow adjustment:** towards nominal air flow rate to ease installation
- **Standard high-lift drain pump kit (625mm):** increases reliability of the drain system
- **Standard air filter:** removes airborne dust particles to ensure a steady supply of clean air
- **Low noise:** down to 29 dBA sound pressure level
- **Wired remote controller:** provides a 7-day schedule timer, enabling the user to program the air conditioning daily or weekly, with up to 5 different actions per day possible (BRC1D52 standard / BRC1E51A optional)
- **BRC1E51A – New optional wired controller:** allows easy navigation through menu items, via a personalised display and minimal number of buttons
- **Fan speed:** 3 fan speeds can be selected

			FMDQ-B				
Indoor Unit			FMDQ50B	FMDQ60B	FMDQ71B	FMDQ100B	FMDQ125B
Nominal capacity	cooling	kW	5.0	6.0	7.1	10.0	12.5
	heating	kW	5.6	6.7	8.0	11.2	14.0
Dimensions (HxWxD)	unit	mm	300x700x700	300x1,000x700		300x1,400x700	
Weight	unit	kg	26	35	46		
Casing			Galvanised steel / non painted				
Air flow rate (H/L)	cooling	m³/min	16/11	19.5/16	25/20	32/23	39/28
	heating	m³/min	16/11	19.5/16	25/20	32/23	39/28
ESP (H/M)	max	Pa	100/30		100/40	120/40	120/50
Sound pressure level (H/L)	cooling	dB(A)	37/29	37/30	38/32	38/32	40/33
	heating	dB(A)	37/29	37/30	38/32	38/32	40/33
Sound power level	cooling	dB(A)	63	59	63	61	66
Refrigerant type			R-410A				
Piping connections	liquid (O.D.)	mm	6.4	9.5			
	gas (O.D.)	mm	12.7	15.9			
	drain	mm	VP25 (O.D.32/I.D25)				
Air filter			Resin net with mold resistance				
Drain-up height		mm	625				
Power supply		PhVHz	1~, 220-240/220, 50/60				
Infrared remote control			BRC4C65				
Wired remote control			BRC1D52 (standard) / BRC1E51A (optional)				
Decoration panel	model		BYBS45DJW1	BYBS71DJW1	BYBS125DJW1		
	dimensions (HxWxD)	mm	55x800x500	55x1,100x500	55x1,500x500		
	weight	kg	3.5	4.5	6.5		

OPTIONS		FMDQ50B	FMDQ60B	FMDQ71B	FMDQ100B	FMDQ125B
Decoration panel		BYBS45D		BYBS71D		BYBS125D
Air discharge adapter for round duct		KDAJ25K56A		KDAJ25K71A		KDAJ25K140A
Simplified remote control				BRC2C51		
Remote control for hotel use				BRC 3A61		
Remote sensor				KRCS 01-1		
Central remote control				DCS302CA51		
Unified ON /OFF control				DCS301BA51		
Schedule timer				DST301BA51		

# Power supply

V1 = 1~, 230V, 50Hz

V3 = 1~, 230V, 50Hz

VE = 1~, 220-240V, 50Hz/60Hz

W1 = 3N~, 400V, 50Hz

The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value, depending on the distance and acoustic environment (for measuring conditions: please refer to the technical databooks).

The sound power level is an absolute value indicating the 'power' which a sound source generates.

For more detailed information please consult our technical databooks.

# Measuring conditions

## Heating and cooling

### 1) Nominal cooling capacities are based on:

Indoor temperature	27°CDB/19°CWB
Outdoor temperature	35°CDB
Refrigerant piping length	7.5m
Level difference	0m

### 2) Nominal heating capacities are based on:

Indoor temperature	20°CDB
Outdoor temperature	7°CDB/6°CWB
Refrigerant piping length	7.5m
Level difference	0m





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Daikin UK is approved by LRQA for its Quality Management System in accordance with the ISO9001 standard. ISO9001 pertains to quality assurance regarding design, development, manufacturing as well as to services related to the product.



Daikin units comply with the European regulations that guarantee the safety of the product.



ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



Daikin Europe N.V. participates in the Eurovent Certification Programme for Air Conditioners (AC), Liquid Chilling Packages (LCP) and Fan Coil Units (FC); the certified data of certified models are listed in the Eurovent Directory. Multi units are Eurovent certified for combinations up to 2 indoor units. VRV products, Rooftops, FV8-J and FWD-units are not within the scope of the Eurovent Certification Programme.



Authorised User No. 00061



Visit [www.eca.gov.uk/etl](http://www.eca.gov.uk/etl) and type 'Daikin' in the quick search box for details of the latest ECA qualifying Daikin units

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