

## Daikin air conditioners for shops, restaurants and offices

Roundflow ceiling mounted cassette **R-410A**



**FCQ-C**  
**FCQH-C**

## ***The new Daikin Sky Air Roundflow Cassette:***

*Daikin has extended its Sky Air ceiling mounted cassette range with a new stylish, compact and unique Roundflow cassette series. The introduction of this new range marks a major step forward by Daikin in offering the market cassette solutions with improved performance over a wider range of applications.*

*The Roundflow cassette offers several improvements in various areas such as customer comfort, ease of installation and energy efficiency. Its 360° radial airflow pattern creates improved and uniform air distribution and reduces room temperature differentials, whilst its greater horizontal airflow ensures less draughts and keeps energy consumption to a minimum.*

*The unit is available in two series and an extensive range of sizes:*

*The Thin Body FCQ-C series represents a very low installation height solution for customers requiring a compact unit for use in false ceilings.*

*The High COP FCQH-C series offers extremely high energy savings for customers requiring top class energy levels. Both models incorporate a new and visually attractive decorative front panel in 'fresh white' (RAL 9010).*



## **MAIN FEATURES**

### ***COMFORT***

- Year round comfort results from 360° radial air discharge with:
  - uniform air flow distribution
  - uniform temperature distribution
- Less draughts and lower air velocities as a result of increased horizontal airflow
- A wide range of airflow patterns
- Fresh air intake increased to 20%
- Improved dehumidification
- Quiet in operation

### ***ENERGY EFFICIENT***

- Energy saving. Very high COP values for the FCQH-C
- Inverter technology

### ***PROFESSIONALS CHOICE***

- Low minimum installation heights, from 214mm for the FCQ-C and from 246mm for the FCQH-C
- Light weight
- Standard connection to D3-net without the need of an adapter PCB
- Easy condensate drain check
- Available in an extensive range of sizes

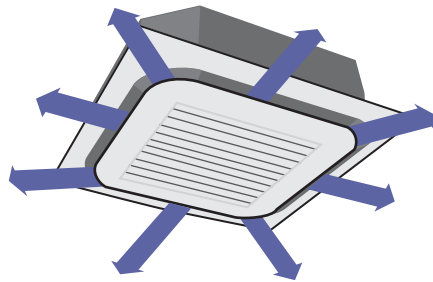
### ***DESIGN***

- New attractively finished decoration panel in 'fresh white' RAL9010 color
- New grille fixture that is less visible and has a better outlook

# COMFORT

The Roundflow cassette creates a high level of comfort as a result of:

## UNIFORM AIRFLOW

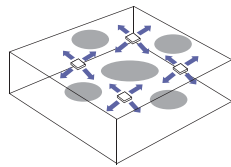


- 360° radial air distribution.
- Greater horizontal airflow reducing draughts.
- Lower air velocities result in less direct exposure to cool air draughts in occupied areas.


## MORE UNIFORM TEMPERATURE

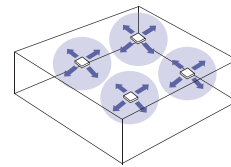
- Air discharge from the corners avoids dead zones that could be subject to temperature variations.
- Reduced temperature differentials create a more **uniform temperature** in all areas of the room.

Comfortable Air Flow: 360° radial round flow



### Standard 4-way blow cassette

 : 4-way blow has some dead spots in the operation

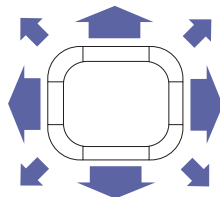


### Round flow cassette

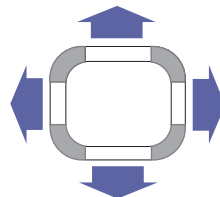
360° radial round flow enables uniform air flow distribution

- **Wide selection of 23 different airflow patterns** enables unit installation in corners or small rooms, whilst air discharge outlets can be closed off without detriment to comfort levels:

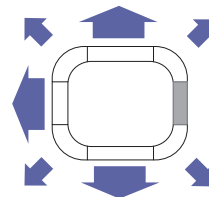
- in 4-way flow the air volume is slightly decreased when the corners are closed off
- in 3-way and 2-way flow the air is deflected slightly downwards



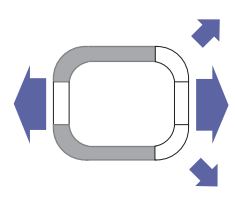
360° Round Flow



4-Way Flow



3-Way Flow

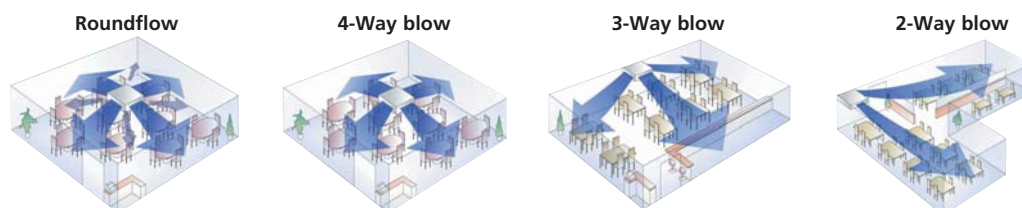


2-Way Flow

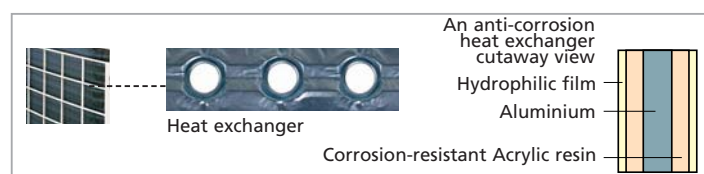
- Comfortable horizontal air discharge **reduces draughts and ceiling soiling**
- Special Daikin **dry program** reduces room humidity without variations in room temperature
- The Roundflow cassette is very **quiet in operation** with noise levels as low as 27dB (A), comparable to rustling leaves.
- Maximum fresh air intake up to 20% with use of fresh air intake kit (only 50mm thick)
- The indoor unit contains an air filter, which removes microscopic particles and dust

## FLEXIBLE INSTALLATION AND EASY TO USE

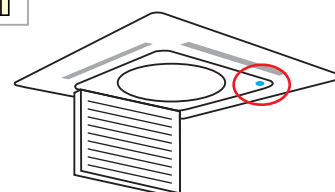
- Simplified Installation and maintenance because of the overall light weight of the unit. Minimum weight of 23kg.
- Flaps can be shut off with closure kits enabling the unit to be installed in the middle or corner of the room or in a small room.



- The **outdoor unit** can be installed on a roof or terrace or placed against an outside wall.
- Special **anti-corrosion treatment** of outdoor unit heat exchanger fins, gives increased resistance against acid rain and salt corrosion. Additional resistance is afforded by a rust proof steel sheet on the underside of the unit.



- Easy visible condensate drain check via the **clear drain socket** and **easily accessible drain plug position**. Checks can be carried out without removing the panel.
- Improved design thanks to the attractively finished '**Fresh White**' decoration panel and a new grill fixture that is less visible and has a better outlook. The new standard panel colour RAL9010 matches well with white ceilings.
- Standard connection to D3-net without the need of an adapter PCB.
- Daikin **remote controls** provide easy finger tip control.
- The **wired remote control** is fitted with a schedule timer, enabling air conditioning to be programmed on a daily or weekly basis.
- The optional **remote ON/OFF** enables the air conditioning to be started/stopped from a mobile phone via a telephone remote control (field supply). The optional **forced OFF** enables the unit to be switched off automatically – when a window is opened for example, the unit switches off. The optional **forced OFF** enables you to switch off the unit automatically. E.g. when a window is opened, the unit switches off.



### COMPACT CASSETTE

The slim Thin Body FCQ-C series represents a very low installation height solution for customers requiring a compact unit for use with false ceilings.



## STYLISH DESIGN

The cassette's smooth and graceful modern lines, new and visually attractive **front decorative panel finished as standard in 'fresh white' (RAL9010) and less visible grille** add an air of studied elegance to its installations and enable it to blend with both traditional and contemporary white ceilings as well as virtually any form of room décor and furnishings.

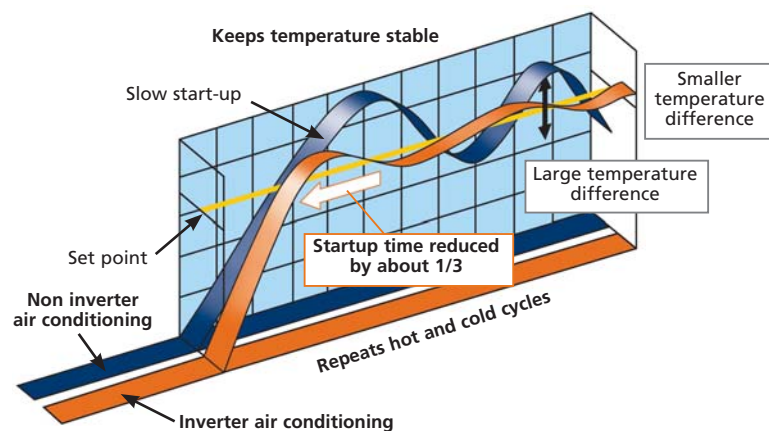
## ENERGY EFFICIENT

- **Class A Energy Efficiency rating**

- **Inverter technology :**

1. Improved energy efficiency:

The use of integrated inverter control ensures maximum **energy efficiency** by matching heating or cooling load to demand, whereas a standard non inverter unit supplies maximum load purely on an on/off basis.



2. Improved comfort:

The rapid start up time provided by the inverter increases **comfort** by reducing the lead time in obtaining the required indoor temperature. Once the required temperature is reached, the inverter unit continuously scans the room for small changes and adjusts the room temperature in seconds in order to maintain room comfort.

- The **'home leave'** function button should be set when the occupant leaves the room for a lengthy period of time, such as a holiday. When the function is activated, the room temperature is automatically set to a minimum of 10°C, at which point all connected indoor units will switch to heating mode. The function ceases to operate when the room temperature reaches 15°C and should also be switched off when the occupant returns home.

## HIGH COP CASSETTE

The High COP FCQH-C series offers extremely high energy savings for customers requiring top class energy levels. The unit has a very high output and one of the highest COP levels available. Its high energy efficiency results in a combination of extremely high performance and low energy consumption. Also, 360° air discharge reduces airflow and temperature differentials and contributes to energy saving by reducing excessive unit operating cycles.

# COMPACT CASSETTE



- This model can be used both in **cooling only or heating**.
- It is possible to use the indoor unit in **pair** (connecting one indoor to one outdoor), **twin, triple, double twin** (connecting up to 4 indoors in the same room to a single outdoor) and **multi** applications (connecting up to 9 units in several rooms to 1 outdoor unit).

## Capacity and power input

COOLING ONLY - INVERTER (air cooled)				FCQ35C	FCQ50C	FCQ60C				
				RKS35F	RKS50F	RKS60F				
Cooling capacity	min ~ nom ~ max	kW	1.4 ~ 3.4 ~ 3.7	0.9 ~ 5.0 ~ 5.6	0.9 ~ 5.7 ~ 6.0					
Nominal input	nominal	kW	0.95	1.41	1.64					
EER			3.58	3.55	3.48					
Energy label			A	A	A					
Annual energy consumption	cooling	kWh	475	705	820					
HEAT PUMP - COMFORT INVERTER (air cooled)				FCQ35C	FCQ50C	FCQ60C	FCQ71C	FCQ100C	FCQ125C	FCQ140C
				RXS35F	RXS50F	RXS60F	RZQS71BV3	RZQS100BV3	RZQS125CV1	RZQS140CV1
Cooling capacity	min ~ nom ~ max	kW	1.4 ~ 3.4 ~ 3.7	0.9 ~ 5.0 ~ 5.6	0.9 ~ 5.7 ~ 6.0	7.1 (nom)	10.0 (nom)	12.5 (nom)	14.0 (nom)	
Heating capacity	min ~ nom ~ max	kW	1.4 ~ 4.2 ~ 5.0	0.9 ~ 6.0 ~ 7.0	0.9 ~ 7.0 ~ 8.0	8.0 (nom)	11.2 (nom)	14.0 (nom)	16.0 (nom)	
Nominal input	cooling	nominal	kW	0.95	1.41	1.64	2.46	3.83	4.14	5.36
	heating	nominal	kW	1.23	1.62	1.99	2.61	3.47	4.52	5.69
EER			3.58	3.55	3.48	2.89	2.61	3.02	2.61	
COP			3.41	3.70	3.52	3.07	3.23	3.10	2.81	
Energy label	cooling		A	A	A	C	D	B	D	
	heating		B	A	B	D	C	D	D	
Annual energy consumption	cooling	kWh	475	705	820	1,230	1,915	2,070	2,680	
HEAT PUMP - SUPER INVERTER (air cooled)				FCQ71C	FCQ100C	FCQ100C	FCQ125C	FCQ125C	FCQ140C	FCQ140C
				RZQ71BV3	RZQ100CV1	RZQ100BW1	RZQ125CV1	RZQ125BW1	RZQ140CV1	RZQ140BW1
Cooling capacity	nominal	kW	7.1	10.0	10.0	12.5	12.5	14.0	14.0	
Heating capacity	nominal	kW	8.0	11.2	11.2	14.0	14.0	16.0	16.0	
Nominal input	cooling	nominal	kW	2.16	2.77	2.64	3.88	3.88	5.36	5.36
	heating	nominal	kW	2.56	3.02	3.14	3.95	4.36	4.98	5.69
EER			3.29	3.61	3.79	3.22	3.22	2.61	2.61	
COP			3.13	3.71	3.57	3.54	3.21	3.21	2.81	
Energy label	cooling		A	A	A	A	A	D	D	
	heating		D	A	B	B	C	C	D	
Annual energy consumption	cooling	kWh	1,080	1,385	1,320	1,940	1,940	2,680	2,680	
HEAT PUMP - NON INVERTER (air cooled)				FCQ71C	FCQ71C	FCQ100C	FCQ100C	FCQ125C		
				REQ71BV3	REQ71BW1	REQ100BV3	REQ100BW1	REQ125BW1		
Cooling capacity	nominal	kW	7.1	7.1	10.0	10.0	12.5			
Heating capacity	nominal	kW	8.0	8.0	11.2	11.2	14.6			
Nominal input	cooling	nominal	kW	2.72	2.66	3.83	3.56	4.66		
	heating	nominal	kW	2.85	2.80	3.75	3.66	5.06		
EER			2.61	2.67	2.61	2.81	2.68			
COP			2.81	2.86	2.99	3.06	2.89			
Energy label	cooling		D	D	D	C	D			
	heating		D	D	D	D	D			
Annual energy consumption	cooling	kWh	1,360	1,330	1,915	1,780	2,330			

**Notes:**

- 1) Energy label: scale from A (most efficient) to G (less efficient).
- 2) Annual energy consumption: based on average use of 500 running hours per year at full load (= nominal conditions)

# COMPACT CASSETTE



POSSIBLE COMBINATIONS MULTI - COOLING ONLY		4MKS58E (1)	4MKS75F (1)	5MKS90E (1)					
Max. n° of indoor units		4	4	5					
Cooling only	FCQ35C	•	•	•					
	FCQ50C	•	•	•					
	FCQ60C		•	•					
Max. cooling capacity	kW	730	933	1050					
Max. Pl cooling	kW	2.24	3.06	3.98					
POSSIBLE COMBINATIONS MULTI - HEAT PUMP		2MXS50F* (1)	3MXS52E* (1)	4MXS68F* (1)	4MXS80E* (1)	5MXS90E* (1)	RMXS112E*	RMXS140E*	RMXS160E*
Max. n° of indoor units		2	3	4	4	5	7	8	9
Heat pump	FCQ35C	•	•	•	•	•	•	•	•
	FCQ50C	•	•	•	•	•	•	•	•
	FCQ60C			•	•	•	•	•	•
Max. cooling capacity	kW	5.40	730	8.73	9.60	10.50	11.20	14.00	15.50
Max. heating capacity	kW	6.40	8.30	10.68	11.00	11.50	12.50	16.00	17.50
Max. Pl cooling	kW	1.70	2.25	2.95	3.56	4.01	3.50	5.09	5.40
Max Pl heating	kW	1.65	2.51	2.58	3.11	3.46	3.93	5.21	5.43

## Notes:

(1) The indicated cooling, heating capacities and power input are indicative and are those connected to wall mounted D (25,35 class) / E (50,60 class) series.

\* At least two indoors should be connected to these multi outdoor units.

For more detailed information, please consult our multi model/combination tables catalogue or your local dealer.

TWIN/TRIPLE/DOUBLE TWIN APPLICATION	FCQ35C	FCQ50C	FCQ60C	FCQ71C	FCQ100C	FCQ125C	FCQ140C
RZQ(S)71	2						
RZQ(S)100	3	2					
RZQ(S)125	4	3	2				
RZQ(S)140	4	3		2			
RZQ200		4	3	3	2		
RZQ250			4			2	

# SPECIFICATIONS INDOOR UNITS

COOLING ONLY / HEAT PUMP			FCQ35C	FCQ50C	FCQ60C	FCQ71C	FCQ100C	FCQ125C	FCQ140C	
Dimensions	HxWxD	unit	204x840x840				246x840x840			
		decoration panel	50x950x950							
Weight		unit	19			21	23			
		decoration panel	5.5							
Colour		decoration panel	White (RAL 9010)							
Air flow rate	cooling	H/L	m³/min	10.5/8.5	12.5/8.5	13.5/8.5	15.5/9.0	23.5/16.0	27.5/19.0	
	heating	H/L	m³/min	12.5/10.0	12.5/8.5	13.5/8.5	16.0/9.5	23.5/16.0	27.5/19.0	
Fresh Air	max. fresh air intake		%	20.0	20.0	20.0	20.0	18.4	15.7	15.7
	max. fresh air intake		m³/min	2.7	2.7	3.0	3.0	4.3	4.3	4.3
Fan speed			2							
Sound pressure level	cooling	H/L	dB(A)	31/27		33/28		37/32	41/35	41/35
	heating	H/L	dB(A)	31/27	31/27	33/28		37/32	41/35	
Sound power level	cooling	H	dB(A)	49		51	54	58		
Piping connections	liquid	mm	6.25 (flare connection)			9.25 (flare connection)				
		gas	mm	9.25 (flare connection)	12.7 (flare connection)		15.9 (flare connection)			
	drain (VP25)	ID mm	25							
		OD mm	32							
Heat insulation			Foamed Polystyrene / Foamed Polyethylene							

# COMPACT CASSETTE



## SPECIFICATIONS OUTDOOR UNITS

COOLING ONLY - INVERTER				RKS35E	RKS50F	RKS60F				
Dimensions	HxWxD	mm		550x765x285	735x825x300					
Weight			kg	34	47	47				
Casing colour				Ivory White						
Sound pressure level	H/L	dB(A)		47/44	47/44	49/46				
Sound power level	H	dB(A)		62	61	63				
Compressor	type			Hermetically sealed swing type						
Refrigerant type				R-410A						
Additional refrigerant charge			kg/m	0,02 (for piping length exceeding 10m)						
Maximum piping length				30						
Maximum level difference				20						
Operation range	from ~ to	°CDB		-10 ~ 46						
HEAT PUMP - COMFORT INVERTER				RXS35E	RXS50F	RXS60F	RZQ571BV3	RZQ5100BV3	RZQ5125CV1	RZQ5140CV1
Dimensions	HxWxD	mm		550x765x285	735x825x300			770x900x320		
Weight			kg	34	48		68			103
Casing colour				Ivory White						
Sound pressure level (night quiet mode)	cooling	H	dB(A)	47	47 (44)	49 (46)	49 (43)	51 (45)	51 (49)	52 (50)
	heating	H	dB(A)	48	48 (45)	49 (46)	51	55	53	54
Sound power level	cooling	H	dB(A)	62	61	63	65	67	67	68
	heating	H	dB(A)	63	62	63	-	-	-	-
Compressor	type			Hermetically sealed swing type					Hermetically sealed scroll type	
Refrigerant type				R-410A						
Refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			2.80		3.70	
Maximum piping length				30		30 (equiv. length 40)		50 (equiv. length 70)		50 (equivalent length 95)
Maximum level difference				20		15		30		30
Operation range	cooling	from ~ to	°CDB	-10 ~ 46			-5 ~ 46			
	heating	from ~ to	°CWB	-15 ~ 18			-15 ~ 15.5			
HEAT PUMP - SUPER INVERTER				RZQ71B8V3	RZQ100CV1	RZQ100BW1	RZQ125CV1	RZQ125BW1	RZQ140CV1	RZQ140BW1
Dimensions	HxWxD	mm		770x900x320	1170x900x320	1,345x900x320	1,170x900x320	1,345x900x320	1,170x900x320	1,345x900x320
Weight			kg	68	103	106	103	106	103	106
Casing colour				Ivory White						
Sound pressure level (night quiet mode)	cooling	H	dB(A)	47 (43)	49 (45)		50 (45)		50 (46)	50 (45)
	heating	H	dB(A)	49	51		52			
Sound power level	cooling	H	dB(A)	63	65		66		67	66
Compressor	type			Hermetically sealed swing type			Hermetically sealed scroll type			
Refrigerant type				R-410A						
Refrigerant charge			kg/m	2.8	3.7	4.3	3.7	4.3	3.7	4.3
Maximum piping length				50 (equiv. length 70)	75 (equiv. length 70)	75 (equivalent length 95)				
Maximum level difference				30						
Operation range	cooling	from ~ to	°CDB	-15 ~ 50						
	heating	from ~ to	°CWB	-20 ~ 15.5						
HEAT PUMP - NON INVERTER				REQ71BV3	REQ71BW1	REQ100BV3	REQ100BW1	REQ125BW1		
Dimensions	HxWxD	mm		770x900x320			1,170x900x319			
Weight			kg	83	83	102	100	108		
Casing colour				Daikin White						
Sound pressure level	cooling	H	dB(A)	53	53	57	57	57		
Sound power level	cooling	H	dB(A)	65	65	70	70	70		
Compressor	type			Hermetically sealed scroll type						
Refrigerant type				R-410A						
Refrigerant charge			kg/m	2.5			3.6			
Maximum piping length				50 (equivalent length 70)						
Maximum level difference				30						
Operation range	cooling	from ~ to	°CDB	10 ~ 46						
	heating	from ~ to	°CWB	-10 ~ 15						

## COMPACT CASSETTE



## ACCESSORIES: CONTROL SYSTEMS

INDOOR UNITS	FCQ35C	FCQ50C	FCQ60C	FCQ71C	FCQ100C	FCQ125C	FCQ140C
Wired remote control				BRC1D52			
Infrared remote control	cooling only			BRC7F533F			
	heat pump			BRC7F532F			
Centralised remote control				DCS302C51			
Unified ON/OFF control				DCS301B51			
Schedule timer				DST301B51			
Wiring adapter for electrical appendices				KRP1B57 / KRP4A53			
Wiring adapter (hour meter)				EKR1C11			
Installation box for adapter PCB				KRP1H98			
Remote ON/OFF				EKROR02			
Remote sensor				KRC501-4			
Fixing box				KJB212A			

## ACCESSORIES: INDOOR UNITS

INDOOR UNITS	FCQ35C	FCQ50C	FCQ60C	FCQ71C	FCQ100C	FCQ125C	FCQ140C
Decoration panel				BYCQ140C			
Replacement long-life filter				KAFP551K160			
Fresh air intake kit (max. 20% fresh air)				KDDQ55C140			
Sealing member of air discharge outlet				KDBHQ55C140			

## ACCESSORIES: OUTDOOR UNITS

OUTDOOR UNITS	RKS/RXS35E	RKS/RXS50E	RKS/RXS60F			
Air direction adjustment grille	KRW937A4	KPW945A4				
Central drain plug	KKP937A4	-	-			
OUTDOOR UNITS	REQ71B	REQ100B	REQ125B			
Central drain plug	KKP55F180					
Refrigerant branch piping	for twin	-	-			
	for triple	-	-			
OUTDOOR UNITS	RZQ(S)71B	RZQ(S)100B/C	RZQ(S)125B/C	RZQ(S)140B/C	RZQ200C	RZQ250C
Central drain plug	KKP55F180				KWC26B280	
Refrigerant branch piping	for twin	KHRQ22M20TA (KHRQ58T) (1)			KHRQ22M20TA	
	for triple	-	KHRQ127H (KHRQ58H) (1)		KHRQ250H	
	for double twin	-	-	KHRQ22M20TA (KHRQ58H) (3x) (1)	KHRQ22M20TA (3x)	
Demand adapter kit	KRP58M51				KRP58M51	

### Notes:

1) For RZQ100-140BW1 in combination with FCQ35-71C, use the refrigerant branch piping mentioned between brackets.

### Note:

- V1 = 1~230V,50Hz; VM = 1~, 220-240V/220-230V, 50Hz/60Hz; V3 = 1~, 230V, 50Hz
- Nominal cooling capacities are based on: indoor temperature 27°CDB/19°CWB • outdoor temperature 35°CDB • refrigerant piping length 7.5m • level difference 0m.
- Nominal heating capacities are based on: indoor temperature 20°CDB • outdoor temperature 7°CDB/6°CWB • refrigerant piping length 7.5m • level difference 0m.
- Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- Units should be selected on nominal capacity. Max. capacity is limited to peak periods.
- The sound pressure level is measured via a microphone at a certain distance from the unit (for measuring conditions: please refer to the technical databooks).
- The sound power is an absolute value indicating the "power" which a sound source generates.

# HIGH COP CASSETTE



- This model can be used both in **cooling only or heating**.
- It is possible to use the indoor unit in **pair** (connecting one indoor to one outdoor) and **twin**.

## Capacity and power input

HEAT PUMP - COMFORT INVERTER (air cooled)				FCQH71C	FCQH100C	FCQH125C	FCQH140C
				RZQS71BV3	RZQS100BV3	RZQS125CV1	RZQS140CV1
Cooling capacity		nominal	kW	7.1	10.0	12.5	14.0
Heating capacity		nominal	kW	8.0	11.2	14.0	16.0
Nominal input	cooling	nominal	kW	2.36	3.56	3.88	4.98
	heating	nominal	kW	2.34	3.28	4.11	4.98
EER				3.01	2.81	3.22	2.81
COP				3.42	3.41	3.41	3.21
Energy label	cooling			B	C	A	C
	heating			B	B	B	C
Annual energy consumption	cooling		kWh	1180	1780	1940	2490

HEAT PUMP - SUPER INVERTER (air cooled)				FCQH71C	FCQH100C	FCQH100C	FCQH125C	FCQH125C	FCQH140C	FCQH140C
				RZQ71BV3	RZQ100CV1	RZQ100BW1	RZQ125CV1	RZQ125BW1	RZQ140CV1	RZQ140BW1
Cooling capacity		min ~ nom ~ max	kW	7.1 (nom)	10.0 (nom)	10.0 (nom)	12.5 (nom)	12.5 (nom)	14.0 (nom)	14.0 (nom)
Heating capacity		min ~ nom ~ max	kW	8.0 (nom)	11.2 (nom)	11.2 (nom)	14.0 (nom)	14.0 (nom)	16.0 (nom)	16.0 (nom)
Nominal input	cooling	nominal	kW	1.98	2.66	2.44	3.70	3.54	4.64	4.65
	heating	nominal	kW	1.97	2.55	2.56	3.57	3.59	4.43	4.52
EER				3.58	3.76	4.10	3.38	3.53	3.02	3.01
COP				4.06	4.39	4.38	3.92	3.90	3.61	3.54
Energy label	cooling			A	A	A	A	A	B	B
	heating			A	A	A	A	A	A	B
Annual energy consumption	cooling		kWh	990	1329	1220	1849	1770	2319	2325

**Notes:**

- 1) Energy label: scale from A (most efficient) to G (less efficient).
- 2) Annual energy consumption: based on average use of 500 running hours per year at full load (= nominal conditions)

TWIN/TRIPLE/DOUBLE TWIN APPLICATION	FCQH71C	FCQH100C	FCQH125C	FCQH140C
RZQ(S)71				
RZQ(S)100				
RZQ(S)125				
RZQ(S)140	2			

## SPECIFICATIONS INDOOR UNITS

COOLING ONLY / HEAT PUMP				FCQH71C	FCQH100C	FCQH125C	FCQH140C
Dimensions	HxWxD	unit	mm	246x840x840			
		decoration panel	mm	50x950x950			
Weight		unit	kg	23			
		decoration panel	kg	5.5			
Colour		decoration panel		Pure White (RAL 9010)			
Air flow rate	cooling	H/L	m <sup>3</sup> /min	20.0/12.0	32.5/18.0	32.5/21.5	32.5/21.5
	heating	H/L	m <sup>3</sup> /min	20.0/12.0	32.5/18.0	32.5/21.5	32.5/21.5
Fresh Air	Max. fresh air intake		%	20.0	13.0	12.7	12.7
	Max. fresh air intake		m <sup>3</sup> /min	4.3	4.3	4.3	4.3
Fan speed			steps	2			
Sound pressure level	cooling	H/L	dB(A)	34/28	43/32	43/36	43/38
	heating	H/L	dB(A)	34/28	43/32	43/36	43/38
Sound power level	cooling	H	dB(A)	52.0		60.0	
Piping connections		liquid	mm	9.52 (flare connection)			
		gas	mm	15.9 (flare connection)			
		drain (VP25)	ID mm	25			
			OD mm	32			
Heat insulation			Foamed Polystyrene / Foamed Polyethylene				

# HIGH COP CASSETTE



## SPECIFICATIONS OUTDOOR UNITS

HEAT PUMP - COMFORT INVERTER				RZQS71BV3	RZQS100BV3	RZQS125CV1	RZQS140CV1
Dimensions	HxWxD	mm		770x900x320	770x900x320	1,170x900x320	1,170x900x320
Weight		kg		68	68	103	103
Casing colour				Ivory White	Ivory White	Ivory White	Ivory White
Sound pressure level (night quiet mode)	cooling	H/L	dB(A)	49 (43)	51 (45)	51 (49)	52 (50)
	heating	H/L	dB(A)	51	55	53	54
Sound power level	cooling	H	dB(A)	65	67	67	68
Compressor		type		Hermetically sealed swing type		Hermetically sealed scroll type	
Refrigerant type				R-410A	R-410A	R-410A	R-410A
Refrigerant charge		kg/m		2.80	2.80	3.70	3.70
Maximum piping length		m		30 (equiv. length 40)	50 (equiv. length 70)	50 (equiv. length 95)	50 (equiv. length 95)
Maximum level difference		m		15	30	30	30
Operation range	cooling	from ~ to	°CDB	-5 ~ 46	-5 ~ 46	-5 ~ 46	-5 ~ 46
	heating	from ~ to	°CWB	-15 ~ 15.5	-15 ~ 15.5	-15 ~ 15.5	-15 ~ 15.5

HEAT PUMP - SUPER INVERTER				RZQ71B8V3	RZQ100CV1	RZQ100BW1	RZQ125CV1	RZQ125BW1	RZQ140CV1	RZQ140BW1
Dimensions	HxWxD	mm		770x900x320	1,170x900x320	1,345x900x320	1,170x900x320	1,345x900x320	1,170x900x320	1,345x900x320
Weight		kg		68	103	106	103	106	103	106
Casing colour				Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White	Ivory White
Sound pressure level (night quiet mode)	cooling	H/L	dB(A)	47 (43)	49 (45)	49 (45)	50 (45)	50 (45)	50 (46)	50 (45)
	heating	H/L	dB(A)	49	51	51	52	52	52	52
Sound power level	cooling	H	dB(A)	63	65	65	66	66	67	66
Compressor		type		Hermetically sealed swing type	Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type	Hermetically sealed scroll type
Refrigerant type				R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Refrigerant charge		kg/m		2.8	3.7	4.3	3.7	4.3	3.7	4.3
Maximum piping length		m		50 (equiv. length 70)	75 (equiv. length 70)	75 (equiv. length 95)	75 (equiv. length 95)	75 (equiv. length 95)	75 (equiv. length 95)	75 (equiv. length 95)
Maximum level difference		m		30	30	30	30	30	30	30
Operation range	cooling	from ~ to	°CDB	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50	-15 ~ 50
	heating	from ~ to	°CWB	-20 ~ 15.5	-20 ~ 15.5	-20 ~ 15.5	-20 ~ 15.5	-20 ~ 15.5	-20 ~ 15.5	-20 ~ 15.5

## ACCESSORIES: CONTROL SYSTEMS

INDOOR UNITS	FCQH71C	FCQH100C	FCQH125C	FCQH140C
Wired remote control			BRC1D52	
Infrared remote control			BRC7F533F	
	cooling only			
			BRC7F532F	
Centralised remote control			DCS302C51	
Unified ON/OFF control			DCS301B51	
Schedule timer			DST301B51	
Wiring adapter for electrical appendices			KRP1B57 / KRP4A53	
Wiring adapter (hour meter)			EKRP1C11	
Installation box for adapter PCB			KRP1H98	
Remote ON/OFF			EKROR02	
Remote sensor			KRCS01-4	
Fixing box			KJB212A	

# HIGH COP CASSETTE



## ACCESSORIES: INDOOR UNITS

INDOOR UNITS	FCQH71C	FCQH100C	FCQH125C	FCQH140C
Decoration panel			BYCQ140C	
Replacement long-life filter			KAFP551K160	
Fresh air intake kit (max. 20% fresh air)			KDDQ55C140	
Sealing member of air discharge outlet			KDBHQ55C140	

## ACCESSORIES: OUTDOOR UNITS

OUTDOOR UNITS	RZQ(S)71B	RZQ(S)100B/C	RZQ(S)125B/C	RZQ(S)140B/C	RZQ200C	RZQ250C
Central drain plug		KKP5F180			KWC26B280	
Refrigerant branch piping	for twin	KHRQ22M20TA (KHRQ58T) (1)			KHRQ22M20TA	
Demand adapter kit		KRP58M51			KRP58M51	

**Notes:**

1) For RZQ100-140B/W1 in combination with FCQH71C, use the refrigerant branch piping mentioned between brackets.

**Note:**

- V1 = 1~, 230V/50Hz; VM = 1~, 220-240V/220-230V, 50Hz/60Hz; V3 = 1~, 230V, 50Hz
- Nominal cooling capacities are based on: indoor temperature 27°CDB/19°CWB • outdoor temperature 35°CDB • refrigerant piping length 7.5m • level difference 0m.
- Nominal heating capacities are based on: indoor temperature 20°CDB • outdoor temperature 7°CDB/6°CWB • refrigerant piping length 7.5m • level difference 0m.
- Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.
- Units should be selected on nominal capacity. Max. capacity is limited to peak periods.
- The sound pressure level is measured via a microphone at a certain distance from the unit (for measuring conditions: please refer to the technical databooks).
- The sound power is an absolute value indicating the "power" which a sound source generates.

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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.



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