

Daikin air conditioners for shops,
restaurants, and offices

CONCEALED CEILING UNIT

R-22



www.daikin.eu

FDYM-CV1M



SPACE SAVING ELEGANCE AND PRESTIGE

Installation in the ceiling void with just supply and return air grille visible ensures the unit's "evergreen" status and preserves floor and wall space, making it ideal for small office, hotel, hospital and restaurant applications. The conditioned space is as elegant and prestigious as any with centralized air conditioning but at a fraction of the cost.

DOUBLE PROTECTION DRAINAGE SYSTEM

By introducing 'Built In' double drain pans solution, i.e. primary drain pan and secondary drain pan, water leaking will not be a problem anymore. A drain socket is supplied to connect both drain pans to the drainage pipe.

The secondary drain pan will act as a drip pan to block any water that might be dripped down, thus offering an additional protection to the ceiling. So additional drain pan will not be necessary during installation which means more cost saving and easy installation at site.

EASY AND FLEXIBLE INSTALLATION

Unit depth varies between 261 and 378mm, offering flexibility in unit location. Special accessories make installation easier and improved air distribution can be achieved without extra ductwork.

COMPACT INDOOR UNIT

Indoor models are compact with a twin coil structure, providing extra savings in installation space.

EASY MAINTENANCE

The concealed ceiling unit is maintenance & servicing friendly: the removal of the secondary drain pan and drain guide provides access to all internal components from beneath the unit. Water cannot enter during removal of the secondary drain pan, which makes servicing operations easier.



Specifications indoor units

HEAT PUMP				FDYM30C	FDYM40C
Dimensions		HxWxD	mm	261x765x411	
Weight			kg	17	21
Air flow rate	cooling	H/L	m³/min	7.62/5.94	15.3/9.9
Sound pressure level	cooling	H/L	steps	33/26	37/29
Sound power level	cooling	H/L	dB(A)	57/51	61/52
Piping connections			liquid	6.35	
			gas	9.52	12.7
			drain	mm	

Specifications outdoor units

HEAT PUMP NON INVERTER				RY30C	RY40C
Dimensions		HxWxD	mm	540x700x250	
Weight			kg	32	
Casing colour				Light grey	
Sound pressure level	cooling		dB(A)	46	49
Compressor				Rotary type	
Refrigerant type				R-22	
Maximum piping length			m	12	
Maximum level difference			m	5	
Operation range		cooling	from ~ to	°CDB 19.0~46.0	
		heating	from ~ to	°CWB -9.0~18.0	

Capacity and power input

HEAT PUMP NON INVERTER				RY30C	RY40C	RY60C	RY71C	RY80C	RY80C	RY90C
				FDYM30C	FDYM40C	FDYM60C	FDYM71C	FDYM80C	FDYM90C	FDYM80C
Cooling capacity	nominal	kW		2.780	3.600	5.570	6.890	7.913	8.602	8.792
Heating capacity	nominal	kW		2.780	3.600	5.800	7.030	8.206	8.499	8.792
Nominal input	cooling	nominal	kW	0.900	1.267	1.895	2.616	3.091	3.153	3.090
	heating	nominal	kW	0.790	1.062	1.845	2.536	2.638	2.729	3.060
EER				3.09	2.84	2.94	2.63	2.56	2.73	2.85
COP				3.52	3.39	3.14	2.77	3.11	3.11	2.87
Energy label	cooling			B	C	C	D	E	D	C
	heating			B	C	D	E	D	D	D
Annual energy consumption	cooling	kWh		450	634	948	1,308	1,546	1,535	1,545

Note:

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)

MEDIUM STATIC PRESSURE WITH A LOW NOISE LEVEL

Static pressure is between 0 to 15 mm Aq, depending on ductwork. The casing insulation reduces noise levels.

VERSATILITY

Multiple rooms can be cooled at the same time via a single fan coil unit.

FRESH AIR INTAKE FOR HEALTHY LIVING

Fresh air can be introduced into the building through the fresh air intakes to improve indoor air quality.

SUPERIOR AIR DISTRIBUTION FOR COMFORTABLE LIVING

Conditioned air can be ducted to every corner of the room, ensuring a pleasant and comfortable environment.



FDYM60C	FDYM71C	FDYM90C	FDYM125C	FDYM140C	FDYM160C
261x1,065x411	261x1,200x411	378x929x541	378x1,045x541	378x1,299x541	378x1,499x541
22	25	39	42	54	62
18.42/16.14	21.78/16.44	24.9/20.94	30.00/27.48	37.68/35.94	45.90/41.58
38/34	40/36	46/38	49/41	52/47	53/47
65/60	66/61	73/64	76/68	76/70	78/71
6.35		9.52			12.7
15.9	15.9	15.9		19.1	
19.05					

RY60C	RY71C	RY80C	RY90C	RY90C	RY100C	RY125C	RY125C	RY140C	RY160C
648x88x328	750x88x329		850x1,030x400						
59	62	68	95		100	105	108		
Light grey									
51	52	54	58						61
Rotary type			Scroll type						
R-22			R-22						
15			45		35				
8			25		15				
19.0~46.0									
-9.0~18.0									

RY90C	RY90C	RY90C	RY100C	RY100C	RY125C	RY125C	RY125C	RY125C	RY140C	RY160C
FDYM90C	FDYM80C	FDYM90C	FDYM100C	FDYM125C	FDYM100C	FDYM125C	FDYM100C	FDYM125C	FDYM140C	FDYM160C
8.792	8.792	8.792	10.257	9.818	11.137	11.723	11.137	11.723	14.654	16.410
8.792	8.792	8.792	10.550	10.257	11.280	11.723	11.280	11.723	15.533	16.410
3.145	3.070	3.125	3.303	3.265	3.766	3.728	3.736	3.698	5.047	6.010
3.115	3.040	3.095	3.303	3.265	3.476	3.238	3.436	3.208	4.447	4.980
2.80	2.86	2.81	3.11	3.01	2.96	3.14	2.98	3.17	2.90	2.73
2.82	2.89	2.84	3.19	3.14	3.25	3.62	3.28	3.65	3.49	3.30
D	C	C	B	B	C	B	C	B	C	D
D	D	D	D	D	C	A	C	A	B	C
1,573	1,535	1,563	1,652	1,633	1,883	1,864	1,868	1,849	2,524	3,005



In all of us,
a green heart



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues.

For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment.

This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



Daikin Europe N.V. 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.



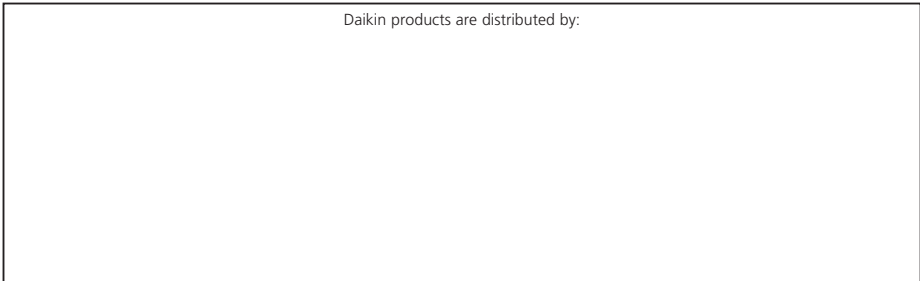
ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



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

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