



AIR CONDITIONERS

for shops, restaurants and offices

CONCEALED CEILING UNIT

R-22



www.daikin.eu

FDYB-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				FDYB30C	FDYB40C
Dimensions		HxWxD	mm	261x765x411	
Weight			kg	17	21
Air flow rate	cooling	H/L	m ³ /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	mm	6.35	
		gas	mm	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
				FDYB30C	FDYB40C
Cooling capacity		nominal	kW	2.782	3.605
Heating capacity		nominal	kW	2.782	3.515
Nominal input	cooling	nominal	kW	0.876	1.222
	heating	nominal	kW	0.841	1.062
EER				3.18	2.95
COP				3.31	3.31
Energy label	cooling			B	C
	heating			C	C
Annual energy consumption	cooling		kWh	438	611

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.



FDYB60C	FDYB71C	FDYB90C	FDYB125C	FDYB140C	FDYB160C
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				
8					25				
19.0~46,0									
-9.0~18,0									

RY60C	RY71C	RY80C	RY90C	RY90CY1M	RY100C	RY125C	RY125C	RY140C	RY160C
FDYB60C	FDYB71C	FDYB90C	FDYB90C	FDYB90CV1M	FDYB125C	FDYB125C	FDYB125C	FDYB140C	FDYB160C
5.570	6.740	8.602	8.792	8.792	9.818	11.723	11.723	14.654	16.410
5.800	7.330	8.499	8.792	8.792	10.257	11.723	11.723	15.533	16.410
1.837	2.286	3.124	3.116	3.096	3.210	3.673	3.643	5.070	5.884
1.746	2.260	2.700	3.086	3.066	3.210	3.383	3.353	4.470	4.854
3.03	2.95	2.75	2.82	2.84	3.06	3.19	3.22	2.89	2.79
3.32	3.24	3.15	2.85	2.87	3.20	3.47	3.50	3.47	3.38
B	C	D	C	C	B	B	A	C	D
C	C	D	D	D	D	B	B	B	C
919	1,143	1,562	1,558	1,548	1,605	1,837	1,822	2,535	2,942



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.



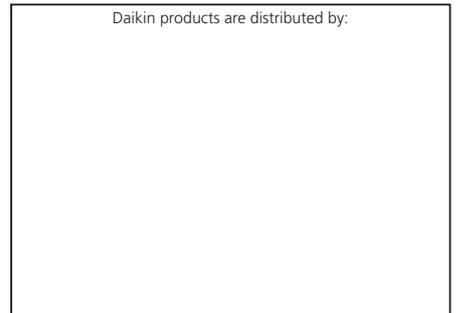
ISO14001 assures an effective environmental management system in order to help protect human health and the environment from the potential impact of our activities, products and services and to assist in maintaining and improving the quality of the environment.



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

The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V.. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.

Daikin products are distributed by:



DAIKIN EUROPE N.V.

Naamloze Vennootschap
Zandvoordestraat 300
B-8400 Oostende, Belgium
www.daikin.eu
BTW: BE 0412 120 336
RPR Oostende



Mixed Sources

Product group from well-managed forests and other controlled sources
www.fsc.org Cert no. SGS-COC-003924
© 1996 Forest Stewardship Council



EPLEN08-117

EPLEN08-117 • 250 • 03/08 • Copyright © Daikin
The present publication supersedes EPLEN07-117.
Printed on non-chlorinated paper. Prepared by La Mowida, Belgium
Responsible Editor: Daikin Europe N.V., Zandvoordestraat 300, B-8400 Oostende