



Perfecting the Air

- SLIM AND COMPACT DESIGN**
- EFFICIENCY AND COMFORT**
- PERFECT FIT FOR COMMERCIAL APPLICATIONS**



HEATING AND COOLING SOLUTIONS

FXDQ-TV1C



SLIM DUCT (COMPACT) TYPE

2.2kW
-TO-
7.1kW

RATED COOLING CAPACITIES

3.2kW
-TO-
8.0kW

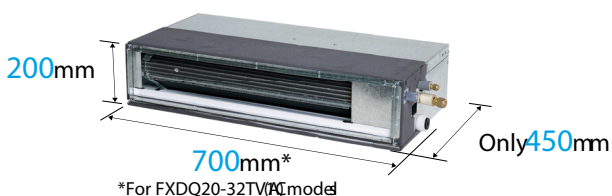
RATED HEATING CAPACITIES

6

MODELS

A compact, lightweight, low static bulkhead unit makes it an ideal solution for bulkhead applications with tight clearances.

The FXDQ-TV1C(A) series is a compact, light weight, low static bulkhead unit designed for installation in drop ceilings with ceiling voids of as little as 240 mm in height and in limited spaces such as wardrobes.



COMFORT

5-step & auto airflow control

- Control of airflow rate can be selected from 5-step and Auto to provide comfortable airflow.



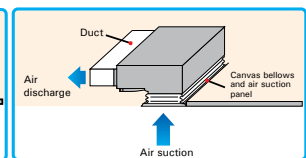
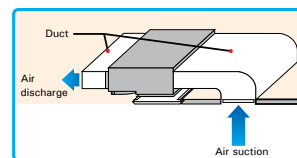
ENERGY SAVING

Adoption of a DC motor for both the fan motor and the drain pump has greatly reduced power consumption and also operation noise.



INSTALLATION FLEXIBILITY

Features rear or bottom return to suite site constraints.



Air filter included

Clip-on resin net filter attached to the rear of the unit as standard.



DRAIN PUMP

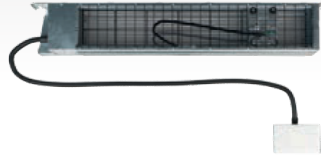
Drain pump is equipped as standard accessory with 750 mm lift.



EASY MAINTENANCE

Auto clean air filter module (Option)

A unique rear suction mounted motorised filter cleaning module with included polyester filter for convenient filter maintenance to ensure optimal performance and increased energy savings.



Mounts to the rear of the indoor unit with the vacuum port



Cleaning unit moves across the filter removing dust which is collected in the dust box



Dust in the dust box can be emptied by vacuuming out the dust via the vacuum port

MODEL	COMPATIBILITY	HxWxD (mm)
BAE20A62	20 - 32 Class	210x840x188
BDG20A82	40 - 50 Class	210x1,040x188
BDG20A102	63 Class	210x1,240x188



DESIGN FLEXIBILITY

Two series available

FXDQTV1C – Standard Model

FXDQTV1CA – Features Built-in Multi Tenancy Kit

Multi Tenancy Kit allows an independent 24V power source to be supplied to the indoor unit PCB in conjunction with 1 phase power from the tenants board. This ensures critical operations, such as oil return are not affected should there be an interruption to the main indoor unit power.



3D AIR FLOW DISTRIBUTION

3-D auto swing discharge grille (Option)

- Motorised louvres provide 3-D airflow distribution. Operations via BRC1E63 with functions including 3-D Auto Swing, Horizontal Auto Swing, Vertical Auto Swing & Fixed Positioning.



MODEL	COMPATIBILITY	HxWxD (mm)
BDG20A09	20 - 32 Class	180x722x70
BDG20A15	40 - 50 Class	180x922x70
BDG20A20	63 Class	180x1,122x70

SPECIFICATIONS

MODEL		FXDQ20TV1C(A)	FXDQ25TV1C(A)	FXDQ32TV1C(A)	FXDQ40TV1C(A)	FXDQ50TV1C(A)	FXDQ63TV1C(A)
Power Supply		1-phase, 220-240/220-230 V, 50/60 Hz					
Cooling Capacity	Btu/h	7,500	9,600	12,300	15,400	19,100	24,200
	kW	2.2	2.8	3.6	4.5	5.6	7.1
Heating Capacity	Btu/h	8,500	10,900	13,600	17,100	21,500	27,300
	kW	2.5	3.2	4.0	5.0	6.3	8.0
Power Consumption*1	Cooling	kW	0.030	0.037	0.050	0.075	
	Heating	kW	0.025	0.032	0.045	0.070	
Casing		Galvanised Steel Plate					
Airflow rate (H/M/L)	ℓ/s	135	150	210	250	325	
	m ³ /min	8.1	9.0	12.6	15.0	19.5	
External static pressure		Pa	40-10 ⁻²	50-10 ⁻²	60-10 ⁻²	45-10 ⁻²	
Sound level (HH/H/L)**1,3		dB(A)	32.0/30/28	33.0/30.5/28	34/31.5/29	35/32.5/30	37/35/33
Dimensions (HxWxD)		mm	200x700x450		200x900x450		200x1,100x450
Machine Weight		kg	18		21		24
Piping Connections	Liquid (Flare)	mm	φ 6.4				φ 9.5
	Gas (Flare)	mm	φ 12.7				φ 15.9
	Drain		PVC26 (External Dia. 26 / Internal Dia. 20)				

Notes: Specifications are based on the following conditions;

- Cooling: Indoor temp.: 27°CDB, 19°CWB, Outdoor temp.: 35°CDB, Equivalent piping length: 5 m, Height difference: 0 m.
- Heating: Indoor temp.: 20°CDB, Outdoor temp.: 7°CDB, 6°CWB, Equivalent piping length: 5 m, Height difference: 0 m.
- Capacity of indoor unit is only for reference. Actual capacity of indoor unit is based on the total capacity index. (See Engineering Data Book for details.)
- Sound level: Anechoic chamber conversion value, measured at a point 1.5 m downward from the unit centre. During actual operation, these values are normally somewhat higher as a result of ambient conditions.

- *1: Values are based on external static pressure of 10 Pa. For FXDQTV1CA models, +0.0005kW on top of cooling/heating power consumption values.
- *2: External static pressure is changeable to set by the remote controller. This pressure means "High static pressure Standard". (Factory setting is 10 Pa)
- *3: The values of operation sound level represent those for rearsuction operation. Sound level values for bottomsuction operation can be obtained by adding 5 dB(A).
- The specifications, designs & information in this flyer are subject to change without notice. Unit colours shown are as close as possible to actual unit colours. Colours depicted in this flyer may vary slightly.

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