

# SUBMITTAL DATA SHEET

MODEL: 1-WAY CASSETTE 60 Hz - FXEQ25AVE

**PROJECT NAME:**

Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:

**FEATURES AND BENEFITS**

Units are "Cassette" decorative ceiling type, manufactured in high impact PVC and supplied in one color. The air flow is on One Way Blow, unidirectional, cool white, impact resistant type of air distribution with a washable panel. Supplied air is distributed through motorized vertical and horizontal louvers that can be adjusted from 0° to 45° and 20° to 70° respectively. Computerized PID control is used to control overheating to provide a comfortable room temperature. The unit is equipped with a programmed drying mechanism that dehumidifies by limiting changes in room temperature when used with the Daikin BRC1E62 remote control. The sound pressure of the indoor units are on the range from 26 dB (A) to 38 dB (A) at low speed measured at a maximum of 1 meter below the unit.

The evaporator units that serve individual offices will each have their own remote control wired to the wall at 1.6 meters above the floor, there will also be a central remote control from which all the indoor units will be operated.

Open spaces that are served by several units will be managed from a central group control.

**EXTERNAL APPEARANCE**



### SPECIFICATIONS

Model			FXEQ20AVE		
Power supply			1 phase, 220 V, 60 Hz		
*1 *3 Cooling capacity			kcal/h	1,900	
			Btu/h	7,500	
			kW	2.2	
*2 *3 Heating capacity			kcal/h	2,200	
			Btu/h	8,500	
			kW	2.5	
Power input	Cooling	60 Hz	kW	0.026	
	Heating	60 Hz	kW	0.022	
Casing / Colour			Galvanized steel plate		
Dimensions: (HxWxD)			mm	200x840x470	
Coil (Cross fin coil)	Rows x Stages x Fin pitch		mm	2x14x1.24	
	Face area		m <sup>2</sup>	0.158	
Fan	Model			—	
	Type			Sirocco fan	
	Motor output x Number of units			W	87x1
	Airflow rate (H/HM/M/ ML/L)	Cooling	m <sup>3</sup> /min	6.0/5.4/4.9/4.4/4.0	
			cfm	212/191/173/155/141	
		Heating	m <sup>3</sup> /min	6.0/5.6/5.1/4.7/4.2	
cfm			212/198/180/166/148		
Drive			Direct drive		
Sound absorbing thermal insulation material			Foamed polyurethane		
Piping connections	Liquid pipes		mm	φ6.4 (Flare connection)	
	Gas pipes		mm	φ12.7 (Flare connection)	
	Drain pipe		mm	PVC26 External dia. 26 / Internal dia. 20	
Mass			kg	17	
*4 Sound pressure level (H/HM/M/ML/L)	Cooling		dB(A)	30/29/28/27/26	
	Heating		dB(A)	33/31/29/28/26	
Refrigerant control			Electronic expansion valve		
Decoration panels (Option)	Model			BYEP40AW1	
	Panel colour			Fresh white	
	Dimensions: (HxWxD)			mm	80x950x550
	Air filter			Resin net (with mould resistance)	
	Mass			kg	8
Standard accessories			Operation and installation manual, Paper pattern for installation, Drain hose sealing material, Sealing material, Accessories bag, Plain washer (M10), C tight cup screw M5 (3 kinds), Wire clamp material, Hose band, Washer fixing material, Antisweat material, Thermal insulation joint, Thermal insulation tube, Inside drain hose		
Drawing No.	Specification		C: 3D084985		
	Sound level		C: 3D085028		
<p>NOTES:</p> <ol style="list-style-type: none"> <li>Indoor temp.: 27°CDB, 19°CWB / outdoor temp.: 35°CDB / Equivalent piping length: 7.5 m, level difference: 0 m.</li> <li>Indoor temp.: 20°CDB / outdoor temp.: 7°CDB, 6°CWB / Equivalent piping length: 7.5 m, level difference: 0 m.</li> <li>Capacities are net, including a deduction for cooling (an addition for heating) for indoor fan motor heat.</li> <li>Anechoic chamber conversion value, measured at a point 1 m in front of the unit and 1 m downward. During actual operation, these values are normally somewhat higher as a result of ambient conditions.</li> </ol> <p>Conversion formulae — kcal/h=kWx860 — Btu/h=kWx3412 — cfm=m<sup>3</sup>/minx35.3</p>					

