

Retrotec Model QMG

Commercial Blower Door System

(Professional Performance, with Automatic
Pressure Control)



Retrotec Model QMG consists of one DM-2A, one DM-2, three 3300 Fans and a Light weight hard door-panel for 3 fans. Add fan cases, software, grill mask and accessory options.



Rapid Set-Up Door Panel is light enough to be carried under your arm. Panel case as shown on right is included.

Large and mid size building test kit. Carry the lightweight components under your arm and set up in minutes in any doorway. Ideal for LEEDS and ATTMA: TS-1 standards up to 4,800 m² floor area or for pressurizing large buildings for thermography. Heavy duty commercial 3 phase fans will run all day at any speed without over heating. The Variable Frequency Drive creates the 3-phase power but uses regular single phase wall outlet power; either 110 or 240 Volts!

Splitter box allows control of all 3 fans as one.

One DM-2A measures and controls one fan automatically, a second DM-2A displays flow pressure for the other two fans. A third DM-2 could optionally be added so that each fan would display the flow for that particular fan.



Three 3200 Fans have 3 variable frequency drives that run on both 110 and 240 Volts. On 50 Hz other fans slow down to 4000 + cfm while this fan still puts out 8000 cfm! Built-in computer controls pressure or flow.

Retrotec Model QMG Specifications

Specifications

	CFM	m ³ /s	m ³ /h	
Maximum Flow (Free Air, 3 fans):	27,000	12.74	45,870	*Note: No power loss at 50Hz!
Maximum Flow (at 50Pa, 3 fans):	25,200	11.9	42,820	
Minimum Flow (Range L1 at 10 Pa):	5	0.00236	8.5	
Accuracy:	Flow: ± 5%, ± 3% with Retrotec software and formal calibration Pressure: ± 0.2 Pa or 1% whichever greater			
Calibration Meets:	Energy Standards: Canadian CGSB-149.1-2002 & SuperE, USA ASTM E 779 - 03, European EN 13829 & CEN, UK TM-23 & ATTMA: TS-1			
	<u>Dimensions</u>		<u>Weight</u>	
Fan:	26" x 25" x 9.5" (66 x 63.5 x 24.1 cm)		37 lb (16.8 kg)	
Panels in Carry Case:	50" x 30.5" x 5" (127 x 77.5 x 12.5 cm)		26 lb (12 kg)	
Fits Door Sizes:	Width: 47" (120 cm)		Height: 81" (205 cm)	
Fan Inlet Diameter	22" (56 cm)			
Motor:	2 hp 3-phase, 2000W (100v to 260v, 50hz or 60hz, single phase power input)			
Control:	Using DM-2A (or optional Manual Speed Control)			

QMG System Comes Complete With

Digital Gauge	1x 2-Channel DM-2A Digital Gauge with Automatic Control 1x 2-Channel DM-2 Digital Gauge without Control 1x DM-2A 3-Fan Splitter (controls 3 fans from one DM-2A) Umbilicals, Cables, and tubing for Fan Control, Power, Room Pressure and Flow Pressure for 3-fan Test
Fan	3 x 3300 High Power, Auto-switching, Fans with Automatic Control 1 set of Range Rings A, B, C8, C6, C4, C2, C1, L4, L2, L1 and Plug-set
Door	3-Fan Hard-Panel Door Cordura Carry Case

See literature on gauges, fans, software, accessories and panels for additional information and options.

Options from Retrotec



Now that is a tool bag designed to handle everything you could possibly use while testing. Laptop case will fit as well.

