

# Retrotec Model Q52 Tight House Testing System

...testing tight houses

The Q52 is an automated low-flow blower-door for tight and super-tight houses.



Retrotec Model Q52 consists of a DM-2A, a DU-220 Low Flow Fan and Single Fan Modular Panel Set-Up.

<u>Airchanges at 50Pa</u>	<u>Maximum Volume</u>
1.5	28,000 ft <sup>3</sup> (793 m <sup>3</sup> )
3.0	14,000 ft <sup>3</sup> (396 m <sup>3</sup> )

- **Hard Panels**
- Set includes 1 Fan panel with 2 filler pieces, 1 XY Panel, 1 X panel, 1 fan strap, 1 roll of special panel seal and 1 panel case and 1 Hard Panel Adapter for the Low Flow Fan.



## DM-2A Automatic Digital Gauge

- Controls pressure or flow
- Results without a computer!
  - flow at any pressure, CFM50
  - air-changes / hour, ACH50
  - leakage area, EqLA @ 10 Pa
  - air-flow / area (eg. m<sup>3</sup>/h/m<sup>2</sup>)



## DU-220 Automatic Calibrated Fan

- built-in computer controller
- 3 calibrated flow ranges for leakage measurement of tight and super tight buildings.
- Available in 110 and 240 Volts

# Retrotec Model Q52 Specifications

## Specifications

	CFM	Litres/s	m <sup>3</sup> /h
Maximum Flow (Free Air):	756	357	1284
Maximum Flow (at 25Pa):	700	330	1190
Minimum Flow (Low Range at 10Pa)	5	2	8
Accuracy:	Flow: ± 3%		
	Pressure: ± .2 Pa		
Calibration Meets:	Canadian CGSB-149.1-2002 & SuperE, USA ASTM E 779 - 03, European EN 13829 & CEN, UK TM-23 Energy Standards.		
Fits Door Sizes:			
Door widths (min/max)	32 to 48.75 inches (81 to 124 cm)		
Door height	76.5 to 87 inches (194 to 221 cm)		
Fan:	14" x 14" x 12" (35 x 35 x 30 cm)		10.0 lb (4.5 kg)
Hard Panels	53" x 10" x 4" (134 x 25 x 10 cm)		14.2 lb (6.4 kg)
Motor:	115 or 230V (185 Watt), Backward Curved Impeller		
Control:	Using DM-2A (or optional Manual Speed Control)		

## Q52 System Comes Complete With

Digital Gauge	2-Channel DM-2A Digital Gauge with Automatic Control 10' Umbilical for Fan Control, Power, Room Pressure and Flow Pressure DM-2 Users Manual
Low-Flow Fan	Long-life rechargeable Ni-MH Batteries DU220 Digital Low-Flow Fan with Automatic Control Mid-Range and Low-Range Flow Plates
Hard Panels	

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

## Other Infiltrometer™ products from Retrotec



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