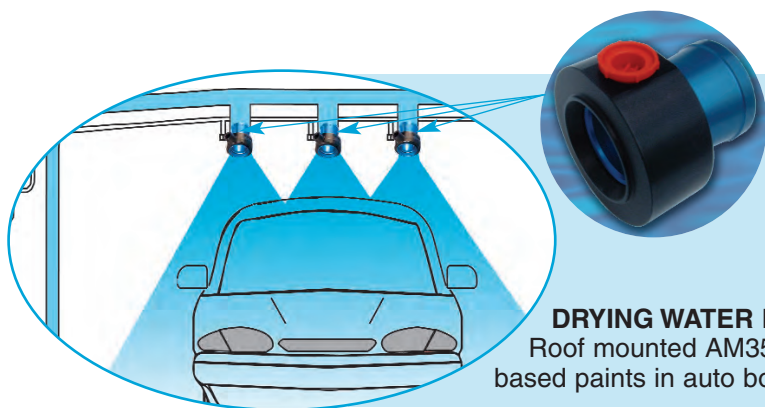


## FIXED GAP AIRMOVERS

BRAUER has been the leading manufacturer of fixed gap airmovers for 40 years, and these products form the core of our airmover product range. Other manufacturers have copied these products – a compliment to our air mover engineering design and success.

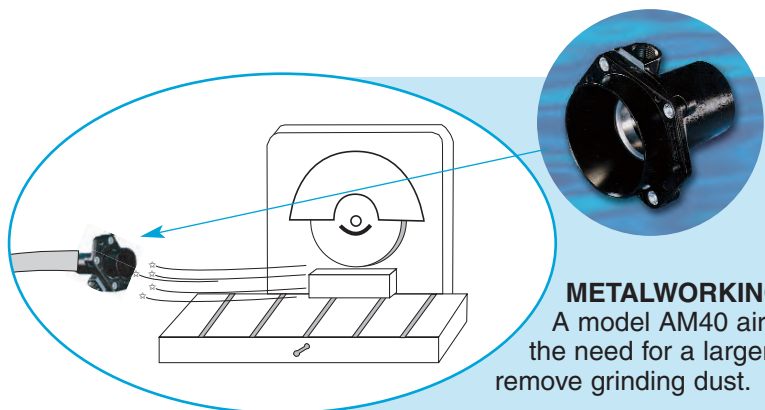
Our range of inexpensive fixed gap airmovers should provide a solution for the great majority of possible applications. However, our design engineers continue to develop our range, and we are also prepared to consider, the design and manufacture of special products to meet the customers specific requirements.

## SOME TYPICAL APPLICATIONS – AIRMOVERS/AIR AMPLIFIERS



### DRYING WATER BASED PAINTS

Roof mounted AM35 airmovers drying environmentally friendly water based paints in auto body shops or assembly lines.



### METALWORKING - GRINDING

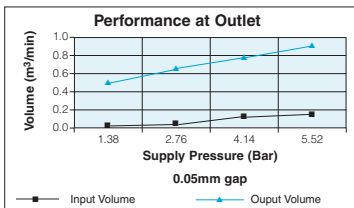
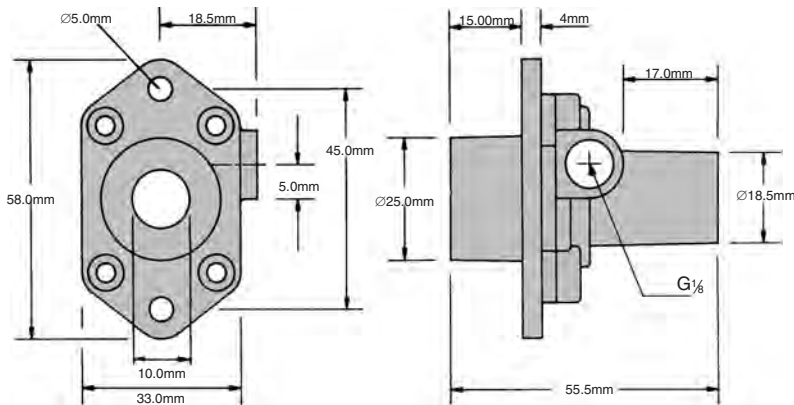
A model AM40 airmover boosts a vacuum system negating the need for a larger, more expensive ventilation system to remove grinding dust.



### DRYING ENAMEL BASED PAINTS

Side mounted AM40 airmover drying enamel paint on a radiator manufacturing line.

## FIXED GAP AIRMOVER AM10



| Bar  | Vol in<br>m³/min | Vol out<br>m³/min |
|------|------------------|-------------------|
| 1.38 | 0.048            | 0.490             |
| 2.76 | 0.065            | 0.660             |
| 4.14 | 0.125            | 0.733             |
| 5.52 | 0.164            | 0.886             |

### PERFORMANCE DATA – DUCTED

| METRIC                    |              | Back Pressure (mm water gauge) and guide to equivalent pipe length |                         |                   |                         |                   |                         |                   |                         |                   |                         |
|---------------------------|--------------|--------------------------------------------------------------------|-------------------------|-------------------|-------------------------|-------------------|-------------------------|-------------------|-------------------------|-------------------|-------------------------|
|                           |              | 125mm water gauge                                                  |                         | 250mm water gauge |                         | 375mm water gauge |                         | 500mm water gauge |                         | 625mm water gauge |                         |
| Supply Pressure<br>kg/cm² | Vi<br>m³/min | Vc<br>m³/min                                                       | Equiv. Pipe<br>length m | Vo<br>m³/min      | Equiv. Pipe<br>length m | Vo<br>m³/min      | Equiv. Pipe<br>length m | Vo<br>m³/min      | Equiv. Pipe<br>length m | Vo<br>m³/min      | Equiv. Pipe<br>length m |
| 2                         | .060         | .26                                                                | 7                       | .13               | 50                      |                   |                         |                   |                         |                   |                         |
| 3                         | .070         | .47                                                                | 2                       | .31               | 9                       | 20                | 37                      |                   |                         |                   |                         |
| 4                         | .115         | .64                                                                | 1                       | .51               | 3                       | .36               | 10                      | .33               | 15                      | .13               | —                       |
| 5                         | .150         | .76                                                                | 1                       | .65               | 2                       | .54               | 4                       | .51               | 6                       | .37               | 14                      |
| 6                         | .180         | .87                                                                | 0.5                     | .78               | 2                       | .72               | 3                       | .64               | 4                       | .58               | 6                       |



**Material:** Zinc and aluminium alloy.

**Weight:** 0.100Kg

**Standard Gap:** 0.05mm

**dB(A) at:** 5.5 bar is 72

**Shims:** 0.04, 0.05, 0.08mm

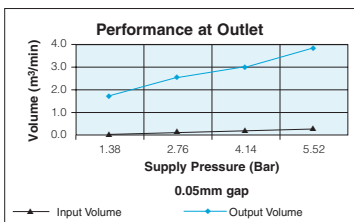
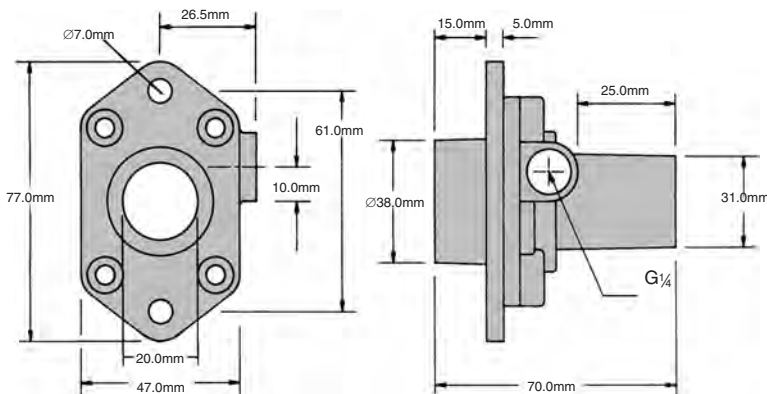
*Optional Extra*

**Standard Inlet Thread:** G $\frac{1}{8}$

**Options:**  $\frac{1}{8}$  NPT  
Please specify on order  $\frac{1}{8}$  NPTF

Replacement shims

## FIXED GAP AIRMOVER AM20



| Bar  | Vol in<br>m³/min | Vol out<br>m³/min |
|------|------------------|-------------------|
| 1.38 | 0.105            | 1.614             |
| 2.76 | 0.164            | 2.492             |
| 4.14 | 0.224            | 3.030             |
| 5.52 | 0.286            | 3.681             |

### PERFORMANCE DATA – DUCTED

| METRIC                    |              | Back Pressure (mm water gauge) and guide to equivalent pipe length |                         |                   |                         |                   |                         |                   |                         |                   |                         |
|---------------------------|--------------|--------------------------------------------------------------------|-------------------------|-------------------|-------------------------|-------------------|-------------------------|-------------------|-------------------------|-------------------|-------------------------|
|                           |              | 50mm water gauge                                                   |                         | 100mm water gauge |                         | 150mm water gauge |                         | 200mm water gauge |                         | 250mm water gauge |                         |
| Supply Pressure<br>kg/cm² | Vi<br>m³/min | Vc<br>m³/min                                                       | Equiv. Pipe<br>length m | Vo<br>m³/min      | Equiv. Pipe<br>length m | Vo<br>m³/min      | Equiv. Pipe<br>length m | Vo<br>m³/min      | Equiv. Pipe<br>length m | Vo<br>m³/min      | Equiv. Pipe<br>length m |
| 2                         | .125         | .91                                                                | 2.0                     | .59               | 9                       | .42               | 27                      |                   |                         |                   |                         |
| 3                         | .170         | 1.42                                                               | 0.8                     | 1.03              | 3                       | .85               | 7                       | .62               | 18                      |                   |                         |
| 4                         | .210         | 1.90                                                               | 0.4                     | 1.46              | 2                       | 1.25              | 3                       | 1.05              | 6                       | .74               | 16                      |
| 5                         | .265         | 2.55                                                               | 0.3                     | 1.98              | 1                       | 1.70              | 2                       | 1.51              | 3                       | 1.22              | 6                       |
| 6                         | .295         | 3.45                                                               | 0.2                     | 2.75              | 0.5                     | 2.18              | 1                       | 2.04              | 2                       | 1.78              | 3                       |



**Material:** Zinc and aluminium alloy.

**Weight:** 0.250Kg

**Standard Gap:** 0.05mm

**dB(A) at:** 5.5 bar is 79

**Shims:** 0.04, 0.05, 0.08mm

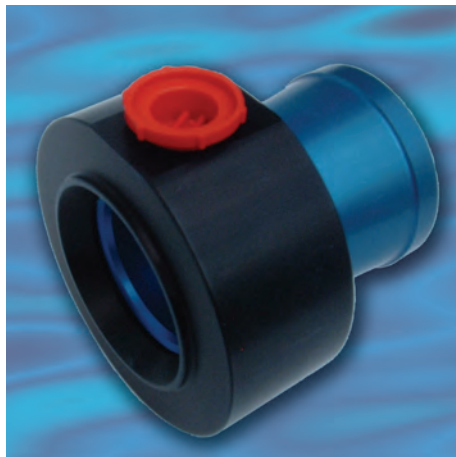
*Optional Extra*

**Standard Inlet Thread:** G $\frac{1}{4}$

**Options:**  $\frac{1}{4}$  NPT  
Please specify on order  $\frac{1}{4}$  NPTF

Replacement shims

## AM35 FIXED GAP AIRMOVER



**Material:** Zinc and aluminium alloy.

**Weight:** 0.19Kg

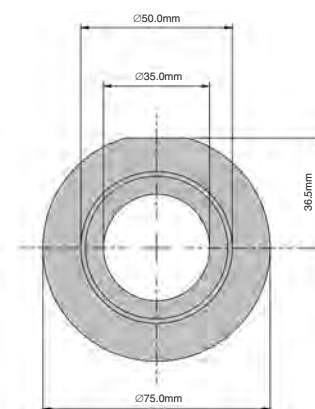
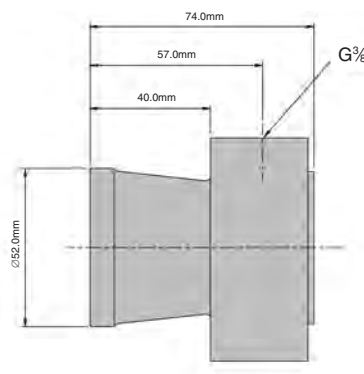
**Standard Gap:** 0.05mm

**dB(A) at:** 5.5 bar is 80

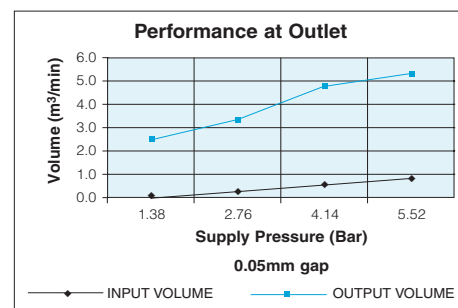
**Shims:** Not required

**Standard Inlet Thread:**  $G\frac{3}{8}$

**Options:**  $\frac{3}{8}$  NPT  
Please specify on order  $\frac{3}{8}$  NPTF



| Bar  | Vol in<br>m <sup>3</sup> /min | Vol out<br>m <sup>3</sup> /min |
|------|-------------------------------|--------------------------------|
| 1.38 | 0.193                         | 2.350                          |
| 2.76 | 0.326                         | 3.361                          |
| 4.14 | 0.484                         | 4.621                          |
| 5.52 | 0.631                         | 5.207                          |



## AM40 FIXED GAP AIRMOVER



**Material:** Zinc and aluminium alloy.

**Weight:** 0.900Kg

**Standard Gap:** 0.05mm

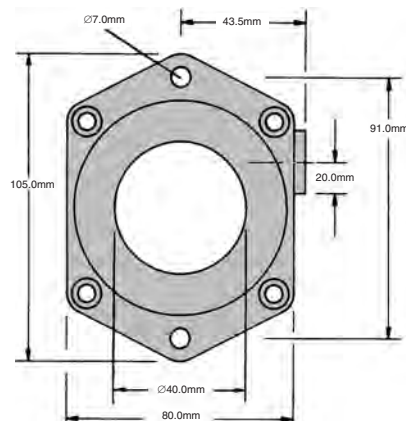
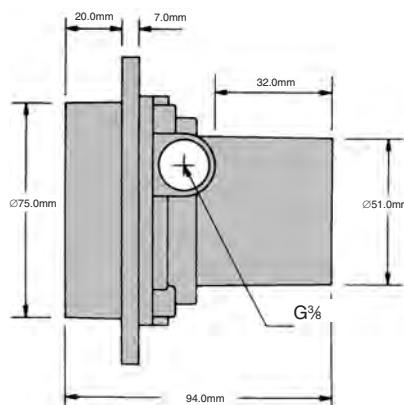
**dB(A) at:** 5.5 bar is 80

**Shims:** 0.04, 0.05, 0.08mm

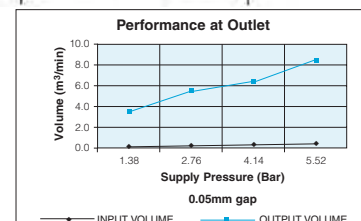
*Optional extra*

**Standard Inlet Thread:**  $G\frac{3}{8}$

**Options:**  $\frac{3}{8}$  NPT  
Please specify on order  $\frac{3}{8}$  NPTF  
Replacement shims



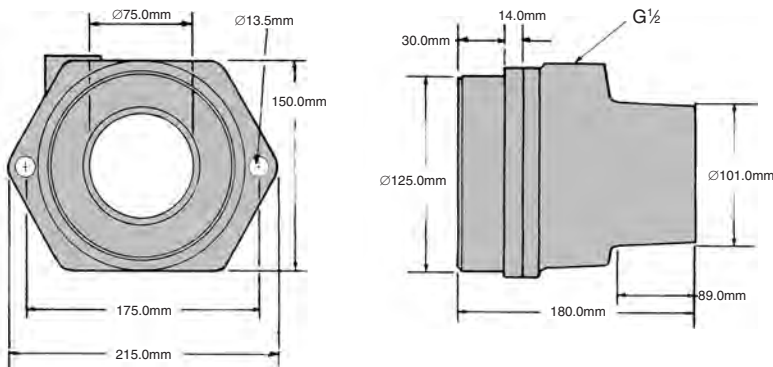
| Bar  | Vol in<br>m <sup>3</sup> /min | Vol out<br>m <sup>3</sup> /min |
|------|-------------------------------|--------------------------------|
| 1.38 | 0.207                         | 3.256                          |
| 2.76 | 0.323                         | 5.182                          |
| 4.14 | 0.439                         | 6.513                          |
| 5.52 | 0.555                         | 8.297                          |



### PERFORMANCE DATA – DUCTED

| METRIC |     | Back Pressure (mm water gauge) and guide to equivalent pipe length |                           |                           |                         |                           |                         |                           |                         |                           |                         |                           |                         |
|--------|-----|--------------------------------------------------------------------|---------------------------|---------------------------|-------------------------|---------------------------|-------------------------|---------------------------|-------------------------|---------------------------|-------------------------|---------------------------|-------------------------|
|        |     | 50mm water gauge                                                   |                           |                           | 100mm water gauge       |                           |                         | 150mm water gauge         |                         |                           | 200mm water gauge       |                           |                         |
|        |     | Supply Pressure<br>kg/cm <sup>2</sup>                              | Vi<br>m <sup>3</sup> /min | Vc<br>m <sup>3</sup> /min | Equiv. Pipe<br>length m | Vo<br>m <sup>3</sup> /min | Equiv. Pipe<br>length m | Vo<br>m <sup>3</sup> /min | Equiv. Pipe<br>length m | Vo<br>m <sup>3</sup> /min | Equiv. Pipe<br>length m | Vo<br>m <sup>3</sup> /min | Equiv. Pipe<br>length m |
| 2      | .26 |                                                                    | 1.22                      | 10                        | 1.00                    | 29                        |                         |                           |                         |                           |                         |                           |                         |
| 3      | .36 |                                                                    | 1.97                      | 4                         | 1.44                    | 14                        |                         | 1.16                      | 34                      |                           |                         |                           |                         |
| 4      | .42 |                                                                    | 2.88                      | 2                         | 2.20                    | 6                         |                         | 1.75                      | 15                      | 1.00                      | 58                      |                           |                         |
| 5      | .50 |                                                                    | 4.14                      | 1                         | 3.08                    | 3                         |                         | 2.49                      | 7                       | 1.80                      | 18                      | 1.33                      | 43                      |
| 6      | .58 |                                                                    | 5.41                      | 0.6                       | 4.25                    | 2                         |                         | 3.20                      | 5                       | 2.63                      | 9                       | 2.20                      | 15                      |

## FIXED GAP AIRMOVER AM75



**Material:** Zinc and aluminium alloy.

**Weight:** 2.7Kg

**Standard Gap:** 0.05mm

**dB(A) at:** 5.5 bar is 80

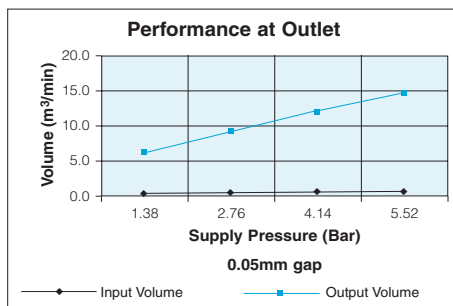
**Shims:** Not required

**Standard Inlet Thread:** G $\frac{1}{2}$

**Options:**  $\frac{1}{2}$ " NPT

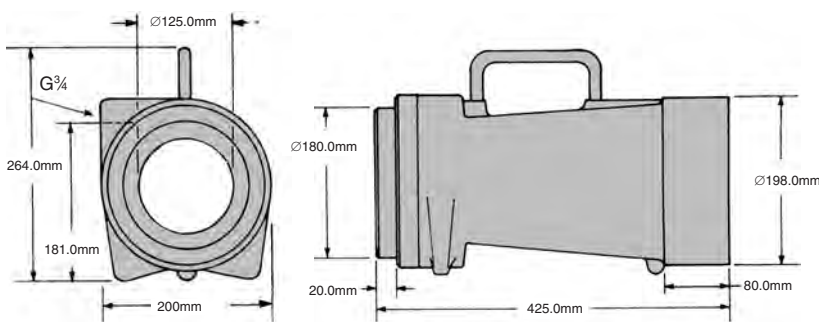
Please specify on order  $\frac{1}{2}$ " NPTF

Replacement shims



| Bar  | Vol in m³/min | Vol out m³/min |
|------|---------------|----------------|
| 1.38 | 0.425         | 6.230          |
| 2.76 | 0.651         | 9.203          |
| 4.14 | 0.906         | 12.035         |
| 5.52 | 1.133         | 14.866         |

## FIXED GAP AIRMOVER AM125



**Material:** Zinc and aluminium alloy.

**Weight:** 7.55Kg

**Standard Gap:** 0.15mm

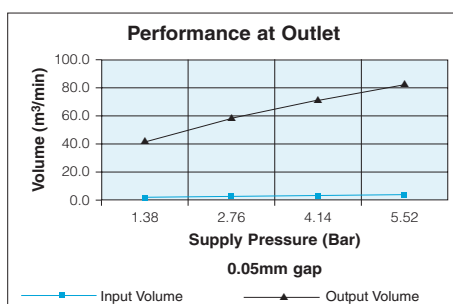
**dB(A) at:** 5.5 bar is 85

**Shims:** Not required

**Standard Inlet Thread:** G $\frac{3}{4}$

**Options:**  $\frac{3}{4}$ " NPT

Please specify on order  $\frac{3}{4}$ " NPTF



| Bar  | Vol in m³/min | Vol out m³/min |
|------|---------------|----------------|
| 1.38 | 1.982         | 38.936         |
| 2.76 | 3.115         | 53.660         |
| 4.14 | 4.276         | 68.668         |
| 5.52 | 5.324         | 80.137         |