

GD26 / GD27

Volume Control Damper

5½" Deep Airfoil Blade Parallel or Opposed Blade • Steel Control Damper



شركة خالد للصناعة
Khalid Manufacturing Company

Construction	Standard
Frame	5½" x ¾" x 16ga galvanized steel hat channel
Blade Material Thickness	22ga Double Skinned airfoil (equivalent to 16ga)
Axles	Plated steel stub
Bearings	Heavy Duty molded Acteal
Blade Seal	Neoprene on Blade edges
Linkage	In-jamb, plated steel bar and crank plate with pivots
Finish	Mill

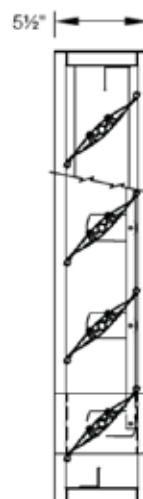
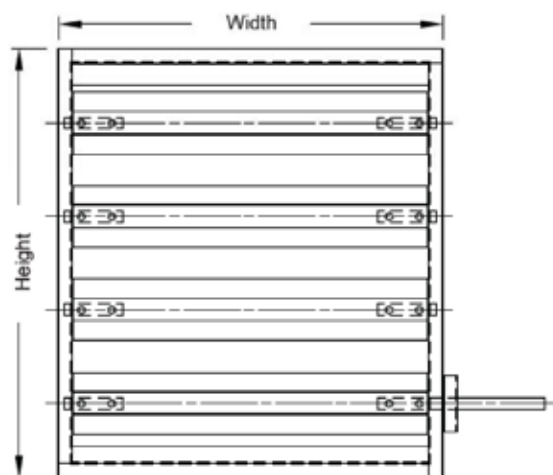
Options

- Exact Size
- Sleeve - Transition - Sideplate
- Flange - Front, Rear, or Both
- Blade Seal - Silicon
- Jamb Seal - Stainless Steel
- Jackshafting
- Actuators - Manual Quadrants, 120V, 24V, 230V or Pneumatic
- Bearings - OIB or Stainless Steel

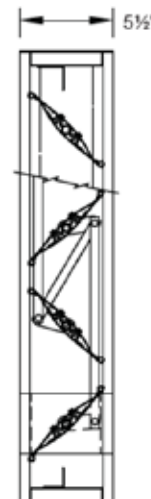
Panels	Min. panel Size Width x Height	Max. Single Panel Size Width x Height
	Inches (mm)	Inches (mm)
GD26 Parallel Blade	8"W x 8"H (203mm x 203mm)	48"W x 72"H (1219mm x 1829mm)
GD27 Opposed Blade	8"W x 16"H (203mm x 406mm)	48" W x 72" H (1219mm x 1829mm)

Notes

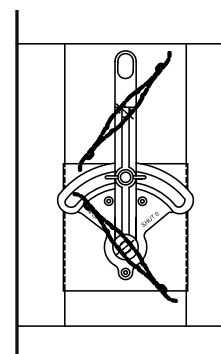
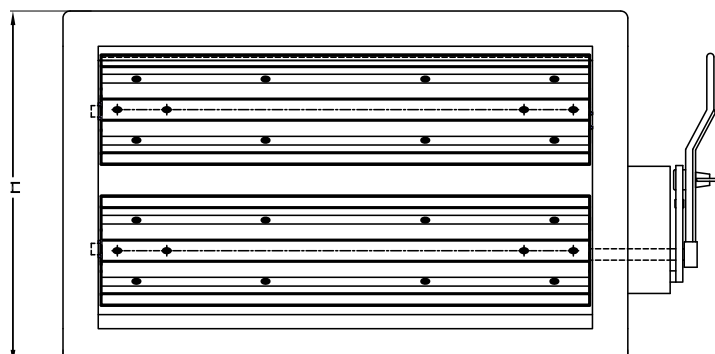
- "A" width and "B" height are opening dimensions. Dampers are provided ¼" undercut
- Depending upon damper height, a variable width blade may be required, which will extend to a maximum of 3¼" from either the front or back of the damper. If the exact dimensions of this variable blade is critical contact the factory
- Dampers more than one panel wide operated with one actuator must be jackshafted.
- Dampers may be installed vertically or horizontally, but we do not recommend installation with the blades in the vertical position



GD26
Parallel Blade
Operation



GD27
Opposed Blade
Operation



February 2013

SD-AB1-2-13.02

*In the interest of product development, KMC reserves the right to make changes without notice.

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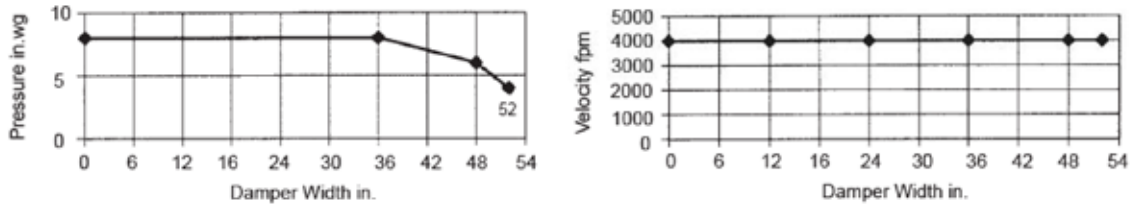


Khalid Manufacturing Company

5½" Deep Airfoil Blade 150°F Max Temperature Parallel or Opposed Blade • Steel Control Damper

Pressure Limitations:

The Pressure limitations shown below are based on the design limits of the axes or blade deflection. another model should be selected if pressure exceeds the values shown.



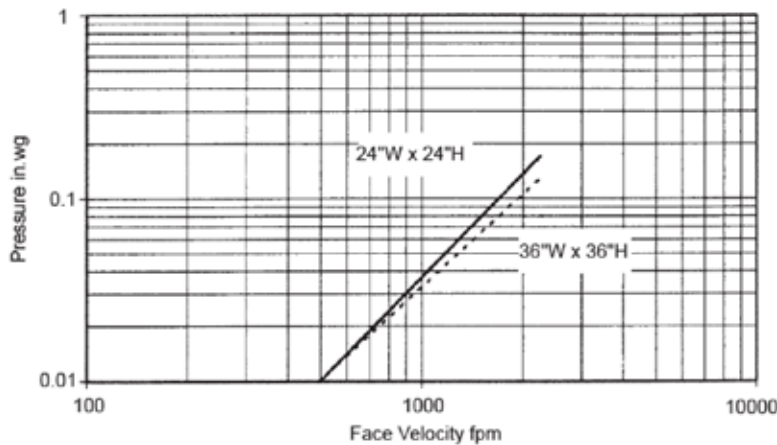
Torque:

Differential Pressure	In. lbs / Sq.ft. Required
2"WG	5
4"WG	10
6"WG	15

Pressure Drops : Typical Performance Curve

Tested per AMCA Standard 500; Figure 5.3. Size tested: 24"W x 24"H and 36"W x 36"H.

Note: Curves are for the two sizes indicated. Pressure drops will be somewhat lower for larger sizes and somewhat higher for smaller sizes.



Leakage

Leakage for the GD26 / GD27 shall not exceed 4.0 CFM Per Sq. ft. at 1 in.wg differential pressure and temperature of 70° with a minimum of .85" pounds of torque applied to the damper shaft. Data based on a 48" square sample tested in accordance with AMCA standard 500, Figure 5.4 or 5.5.

Values shown in the note above are derived from tests performed in accordance with AMCA standard 500 and are stated in SCFM at 1 in.wg. for leakage values at greater pressures use the conversion factors in the table below.

Pressure	Conversion Factor
500 Pa(2"WG)	1.41
750 Pa(3"WG)	1.73
1000 Pa(4"WG)	2.00