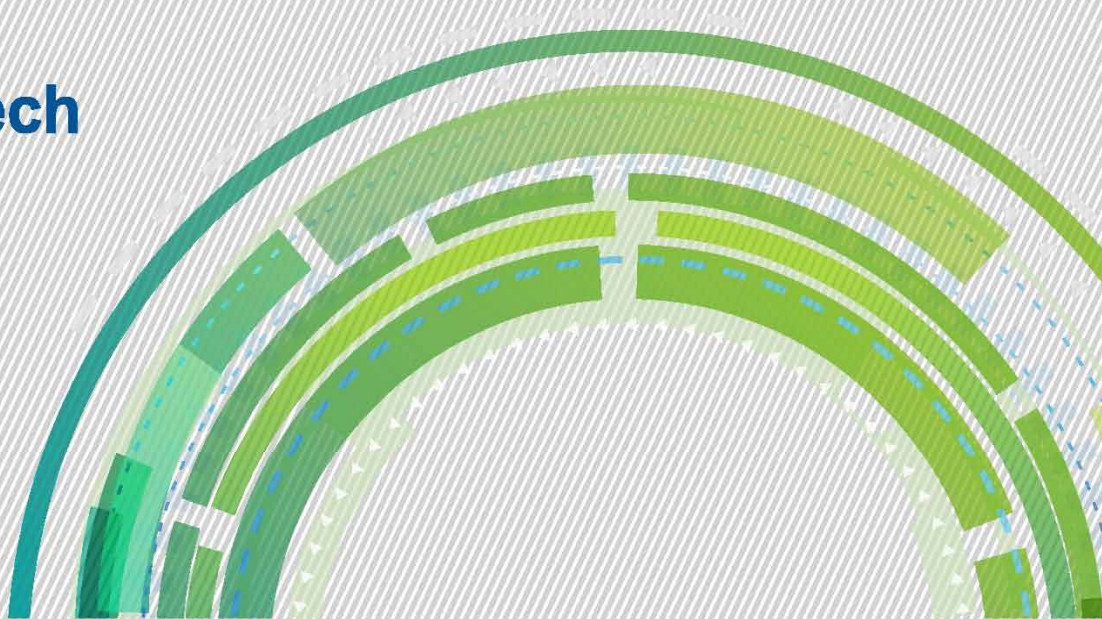


**Reetech**



# **AIR DAMPER**

## **DGE2 SERIES**

**December 2016**



■ DESCRIPTION:

Model: DGE2-WxH

**Application & Installation:**

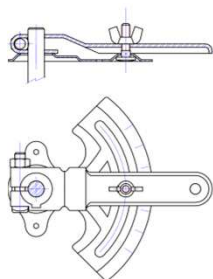
- Application: Provide accurate control of airflow within ventilating and air conditioning systems.
- DGE2 series manufactured by Reetech to meet varied requirements of international standards
- Installation: Reetech volume control dampers are designed to operate with the blades running horizontally or vertically, mounted on rectangular duct.

**Material & Structure:**

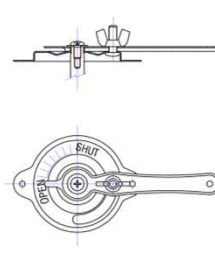
- Frame and Blade: Galvanized steel sheet with the thickness of 0.75mm, 0.95mm, 1.15mm ( $\pm 0.05\text{mm}$ ) or stainless steel sheet (optionally).
- Axles: Rectangular bar steel.
- Bearing: Plastic
- Blade arrangement: Opposite blade.
- Flange: L-shaped, Option: TDC
- Optionally open or close by manual handle worm wheel regulator, or actuator regulator.

**Features:**

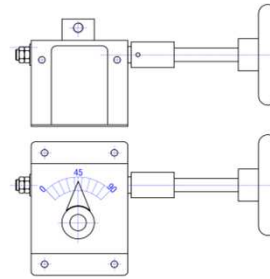
- Dampers with the height H up to 200mm have only one blade.
- Dampers with the height H of over 200mm will be designed with multi-blades. Blades are maximum 200mm wide.
- Wide dimension range.



R75 handle regulator



R30 handle regulator



Worm wheel regulator



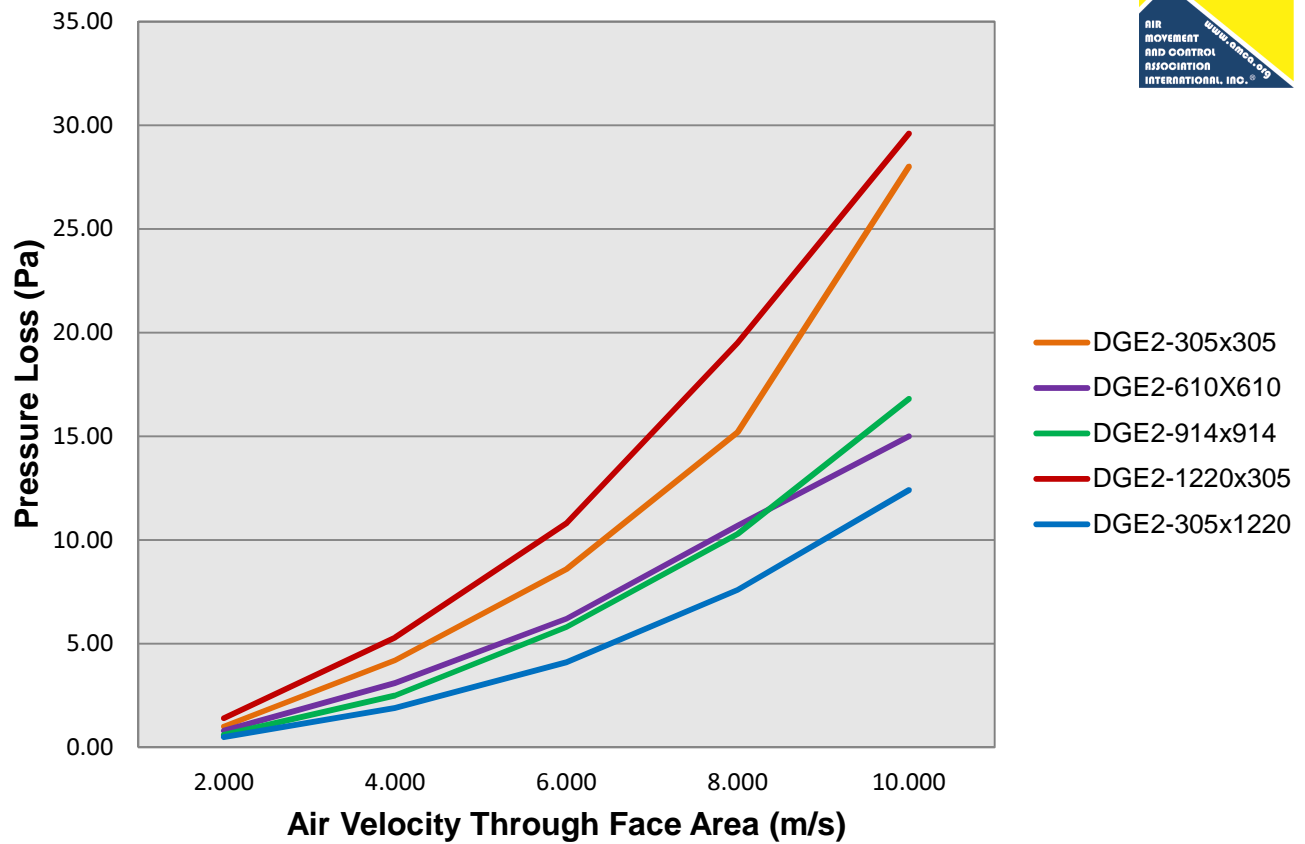
**MULTI-BLADE DAMPER**

**DGE2**

**Performance data**



**AIR VELOCITY - PRESSURE LOSS CHART**



Test Method per ANSI / AMCA Standard 500-D (Pressure Drop), Figure 5.3

**Air Leakage Classification**

**Air Leakage Classification Achieved:  
CLASS 3 (\*)**

**MULTI-BLADE DAMPER**

**DGE2**

**Air Leakage Classification**



Width x Height (mm)	Leakage Class Test Results			
	0.25 kPa (1" w.g.)	1.0 kPa (4" w.g.)	1.5 kPa (6" w.g.)	2.0 kPa (8" w.g.)
<b>305x1220</b> (12x48 in.)	3	3	3	3
<b>1220x914</b> (48x36 in.)	3	3	3	3

(\*) Air leakage Class based on pressure differential of 0.25kPa – 1.0kPa – 1.5kPa - 2.0kPa

Air leakage is based on operation between 0°C–49°C (32°F–120°F)

Applied Torque: 16N.m

Data are based on a torque of 14.4 N.m/m<sup>2</sup> for model DGE2-1220x914 and 43.8 N.m/m<sup>2</sup> for model DGE2-305x1220 applied to close and seat the damper during the test.

**Test Method per ANSI / AMCA Standard 500-D (Leakage), Figure 5.4 Alternate**

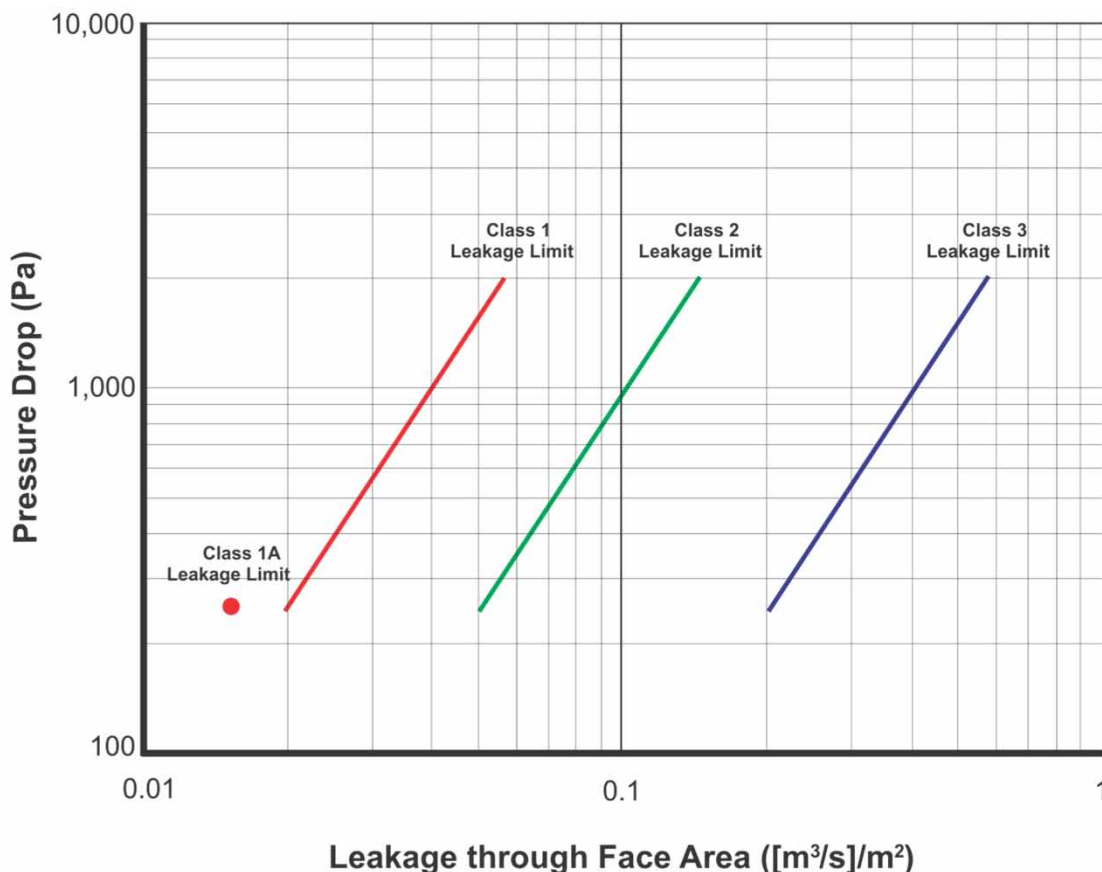
R.E.E. Electric Appliances Jsc certifies that the DGE2 shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program.

The AMCA Certified Ratings Seal applies to air performance and air leakage ratings only

Class	Leakage (L/s/m <sup>2</sup> )			
	0.25 kPa (1" w.g.)	1.0 kPa (4" w.g.)	2.0 kPa (8" w.g.)	3.0 kPa (12" w.g.)
1A	15.2	N/A	N/A	N/A
1	20	41	56.5	69.2
2	51	102	144.2	176.7
3	203	406	574.2	703.2



*Leakage Classifications per AMCA Standard 511*

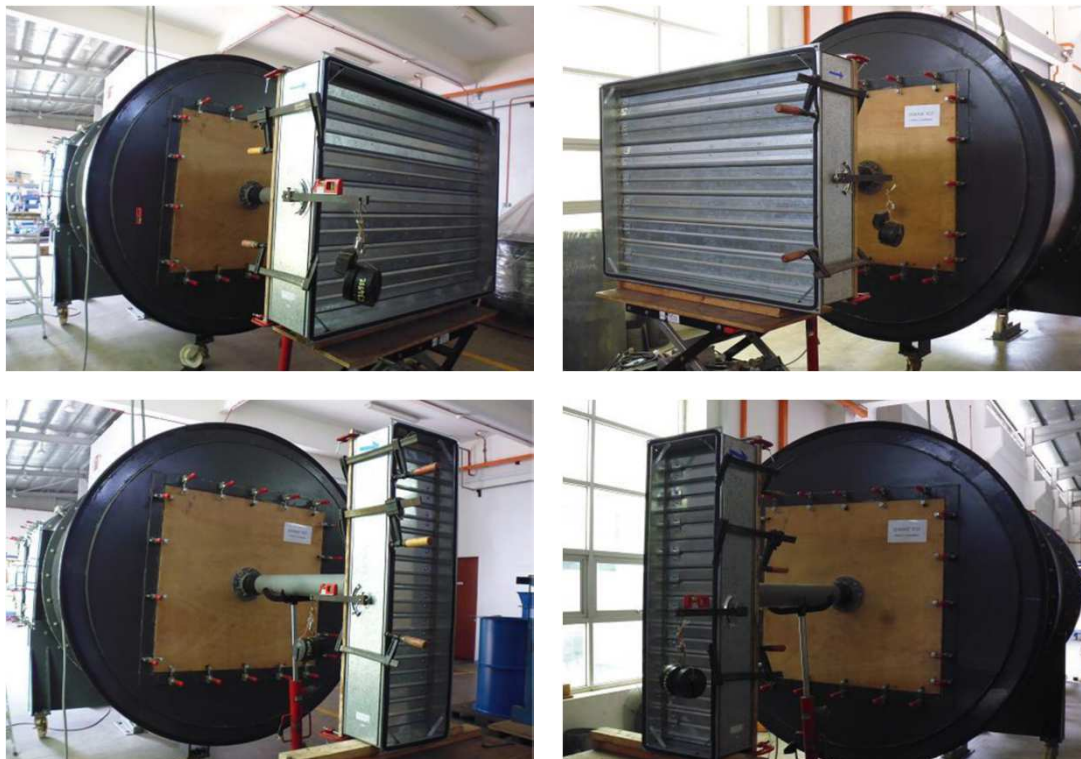




**Flow Direction EXHAUST/INTAKE Performance Test**



**Flow Direction EXHAUST/INTAKE Air Leakage Test**



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