



# AIR CONTROL DAMPER MODEL KACLO12 or 22 LEAKAGE RATED DAMPER

## APPLICATION

KACLO12 or 22 is an Ultra low leakage damper designed to provide superior air control with high performance and heavy duty construction. Dampers are especially designed for manual & motorized balancing & Shut off applications. They are suitable for use in the majority of commercial medium to high pressure and velocity HVAC systems. They comply to IECC (International Energy Conservation Code) with a leakage rating of 3cfm/ft<sup>2</sup> at 1"Wg pressure (55cmh/m<sup>2</sup> at 0.25Kpa) or less.

## STANDARD CONSTRUCTION

### FRAME:

16 Ga galvanized steel interlocking hat channel frame construction.

### BLADES:

16 Ga galvanized steel 3V type blades  
Parallel blades model KACLO12  
Opposed blades model KACLO22

### SEALS:

Stainless Steel Jamb Seal  
Rubber Foam Blade Seal

### BEARINGS:

Nylon bearings

### AXLES:

0.47"(12mm) Square zinc plated steel stud

### LINKAGE:

Concealed in frame 10Ga (3mm) zinc plated steel

### MANUAL HAND-QUADRANT:

Galvanized steel die cast hand-quadrant plated for square or round shaft installed on an elevated bearing bracket

### BRACKET:

1" (25mm) elevated hand bracket

### FINISH:

Mill galvanized

## MINIMUM SIZES:

- a) SINGLE BLADE: 6"W(152mm) x 6"H(152mm)
- b) MULTI-BLADES: 6"W(152mm) x 14"H(355mm) & 19"W(482mm) x 12"H(305mm)

## MAXIMUM SIZES:

- a) SINGLE BLADE: 48"W(1219mm) x 10"H(254mm) & 18"W(457mm) x 12"H(305mm)
- b) MULTI-BLADES SINGLE SECTION: 48"W(1219mm)x 48"H(1219mm)

### MULTI-SECTIONS: UNLIMITED

Dampers are supplied 1/4" less than order WIDTH & HEIGHT unless specified "ACTUAL SIZE"



## OPTIONS:

### 1) BEARINGS:

Bronze bearings (std for motorized dampers) or stainless steel bearings.

### 2) FRAME CONSTRUCTION

Aluminum or stainless steel frame construction.

### 3) BLADES CONSTRUCTION

Aluminum or stainless steel blades construction.

### 4) ACTUATORS:

- a) Electric (24,120 & 230V) or pneumatic.
- b) Spring return or non spring return.
- c) With or without auxiliary switch.

### 5) Blades indicator switch - BIS

### 6) FLANGES:

Standard duct flanges 35 mm (with 1.5 mm thickness for damper without sleeve or same as sleeve thickness) or duct mate flanges 35mm

### 7) SLEEVES :

Refer to the air control damper sleeve catalogue for standard type of sleeve

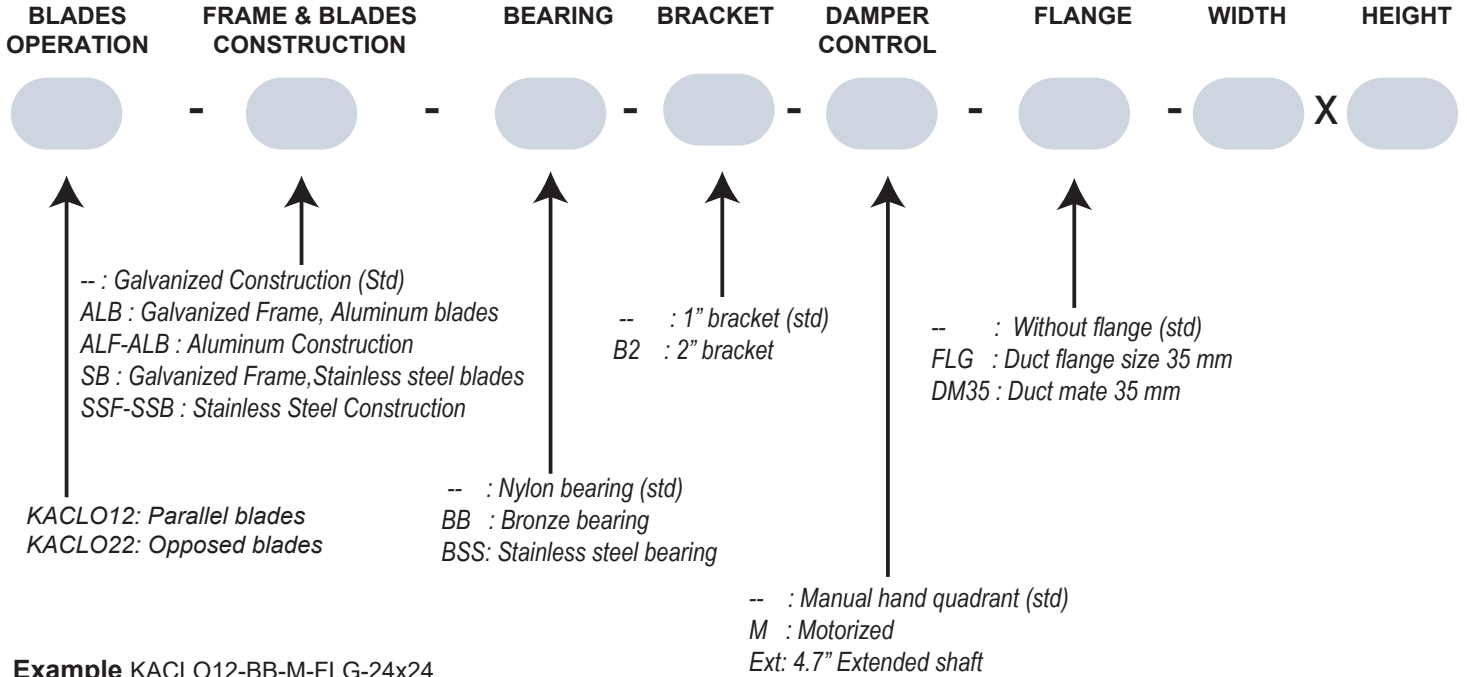
### 8) EXTENDED SHAFT (without Hand Qaudrant):

4.7" (120mm) extended Shaft (round or square) beyond the air control frame.

### 9) 2" Elevated hand bracket.



# AIR CONTROL DAMPER MODEL KACLO12 or 22 ORDERING INFORMATION

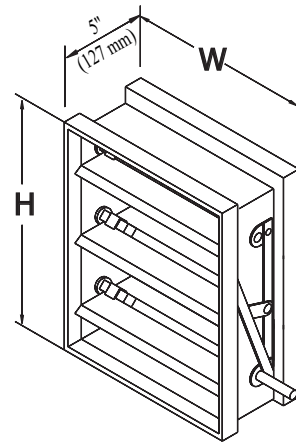


**Example** KACLO12-BB-M-FLG-24x24

**ACTUATOR SELECTION:**

Please select the specifications needed for the actuator:

Electric	<input type="checkbox"/>	Pneumatic	<input type="checkbox"/>
24 VAC	<input type="checkbox"/>	230VAC	<input type="checkbox"/>
Spring return	<input type="checkbox"/>	Non spring return	<input type="checkbox"/>
On/Off	<input type="checkbox"/>	Modulating	<input type="checkbox"/>
With auxiliary switch	<input type="checkbox"/>	Without auxiliary switch	<input type="checkbox"/>



Note:  
Volume Dampers with width or height that exceeds 48" (1200mm) are manufactured as multiple section and field assembled by others.

	6	8	10	12	14	16	18	...	46	48
6	<b>Single Blade Hat Type</b>									
8										
10										
12										
14	<b>Multi Blade Hat Type</b>									
...										
46										
48										