

SPECIFICATIONS

IMPORTANT

The specifications given in this publication do not include normal manufacturing tolerances. Therefore, this unit may not exactly match the listed specifications. Also, this product is tested and calibrated under closely controlled conditions, and some minor differences in performance can be expected if those conditions are changed.

Motor Electrical Rating: 24 Vac, 60 Hz, 8VA.

Motor Electrical Connection: Push terminals. Solid (not stranded) wire is recommend.

Motor Nominal Angular Rotation: 90°.

Motor Torque: Minimum 71 in.-oz. (500 millinewton meters) output torque available when motor is energized and device is at the spring return initial start position.

Nominal Motor Timing at 77°F (25°C) Ambient:

Energized at rated load: 30 seconds.

De-energized (spring return): 10 seconds.

Motor Ambient Temperature Rating: 40° to 140°F (5° to 60°C).

Leakage: Less than 1% at 1/2 in. wc.

Pressure Drop: Maximum at full open: 0.0329 in. wc at 800 ft/min.

Maximum Static Pressure: 1 in. wc for all models except 0.3 in. wc for ARD20.

Motor Shaft Rotation Direction: Clockwise, when energized and viewed from the base or shaft end.

Motor Mounting Means: Direct connection to damper shaft.

Motor Mounting Position: Multi-poise.

Motor Dimensions: See Fig. 1.

Construction

ARD Dampers

Frame: Galvanized steel spiral duct, crimped on downstream side.

ARD Sizes: 5 in., 6 in., 7 in., 8 in., 9 in., 10 in., 12 in., 14 in., 16 in., 18 in., and 20 in. diameters.

Gauge: ARD5-ARD12: 24 Gauge frame, and 22 Gauge

Blade: ARD14-ARD20: 22 Gauge frame, and 20 Gauge Blade

EARD Dampers

Frame: Galvanized steel spiral duct

EARD Sizes: 5-, 6-, 7-, and 8-, inch diameter sizes

ZD Dampers

Frame: Solid construction using extruded aluminum frame and blades

ZD Sizes: Even sizes from 6in. x 6in. up to 36 in x 36 in.

Damper dimensions: All ZD dampers are actually sized 5/32 in. smaller than the listed size to ensure correct fit.

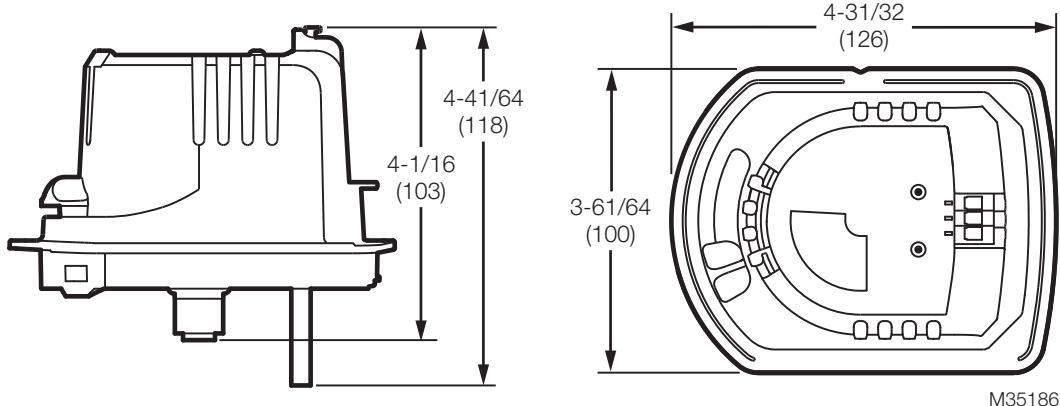


Fig. 1. Motor and damper dimensions in in. (mm).