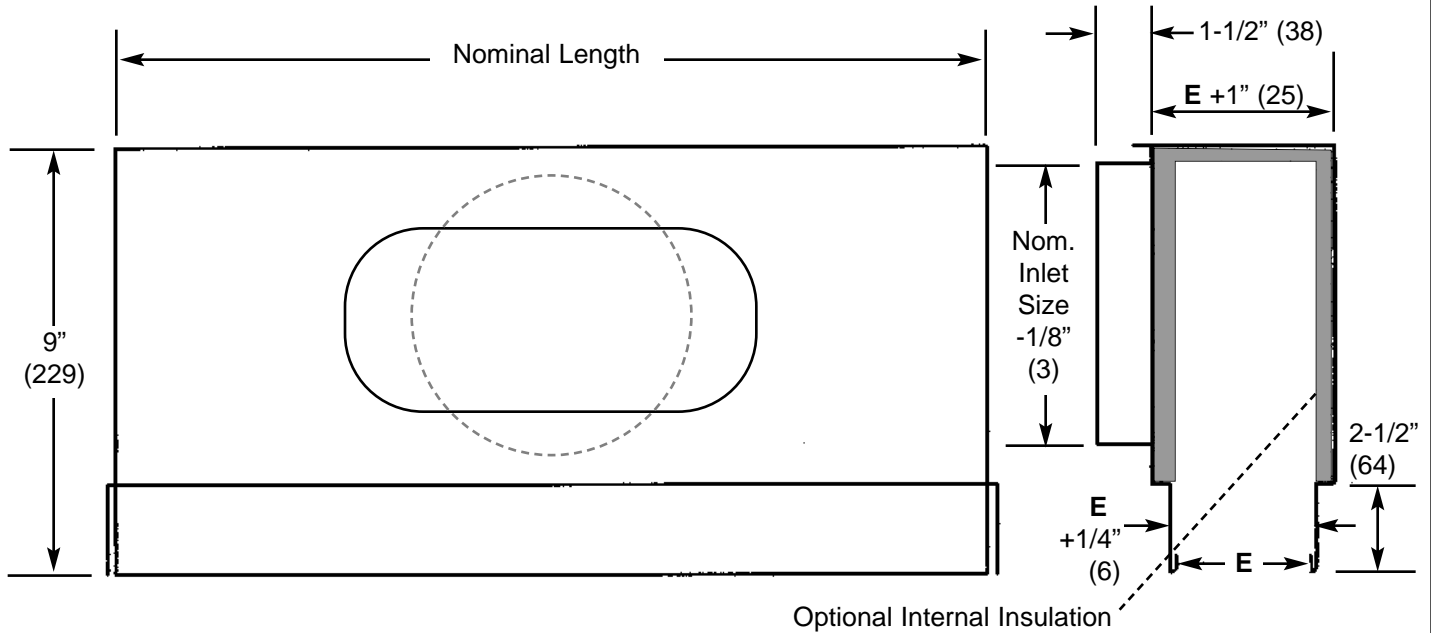


Imperial [IP] Dimensions  
Metric (SI) in Parentheses

CARNES COMPANY 448 S. Main St., P. O. Box 930040, Verona, WI 53593-0040 Phone: (608)845-6411 Fax: (608)845-6504 www.carnes.com



Dimensions for Widebody Diffuser (Dimension "E")		
Slot Width	Slot Quantity	
	1	2
1" (25)	3" (76)	5-3/8" (137)
1-1/2" (38)	3-1/2" (89)	6-3/8" (162)
2" (51)	4" (102)	7-3/8" (187)
2-1/2" (64)	5-3/4" (146)	10-7/8" (276)
3" (76)	6-1/4" (159)	11-7/8" (302)

**Notes:**

- Construction is 24 gauge galvalume steel.
- When specified, insulation is 1/2" (13), 2-pound density matte finish fiberglass.
- Inlets are oval as standard. Round inlets are available upon request for an additional charge. Height of plenum with round inlet will be diameter plus 4" (102).
- Metric dimensions are shown in millimeters.
- Recommend Ceiling Opening:
  - Length - nominal size + 3/8"
  - Width - E + 1/2"

**Continuous Run Length Option 2**

For continuous run applications the plenum must be slightly shorter than the diffuser to minimize interference in mounting. When specified, Option 2 provides that the plenum length is shortened by 1/4" (6).

**Volume Damper Option D**

When specified, a single blade volume control damper is shipped installed in the inlet collar. The damper is accessible through the slot in the face of the diffuser.

Dimensions for Channelaire Diffuser (Dimension "E")								
Slot Width	Slot Quantity							
	1	2	3	4	5	6	7	8
1/2" (13)	1-5/8" (41)	2-15/16" (75)	4-1/4" (108)	5-9/16" (141)	6-7/8" (175)	8-3/16" (208)	9-1/2" (241)	10-13/16" (275)
3/4" (19)	1-7/8" (48)	3-7/16" (87)	5" (127)	6-9/16" (167)	8-1/8" (206)	9-11/16" (246)	11-1/4" (286)	12-13/16" (325)
1" (25)	2-3/8" (60)	4-7/16" (113)	6-1/2" (165)	8-9/16" (217)	10-5/8" (270)	12-11/16" (322)	14-3/4" (375)	16-13/16" (427)