

**QUALITY WOOD MANUFACTURING**

# **Hoffco, Inc.**

**BLENDING TECHNOLOGY AND TRADITION**

## Calculating lengths of duct runs for specific applications

Calculate equivalent duct lengths for commonly used duct elbows and transitions:

Duct Pieces	Size	Equivalent Length *	Quantity Used	Total Equiv. Length
90° elbow	7" round	8 ft.		
45° elbow	7" round	4 ft.		
90° elbow	3.25" x 10"	10 ft.		
45° elbow	3.25" x 10"	5 ft.		
Transition	7" to 3.25"x10"	2 ft.		
Roof cap	7" round	5 ft.		
Roof cap	3.25" x 10"	5 ft.		
Wall cap	7" round	5 ft.		
Wall cap	3.25" x 10"	5 ft.		

**TOTAL** \_\_\_\_\_

\*Equivalent lengths are estimates only. Above ducting devices vary in equivalent length estimates based on individual manufacturers of devices.

### HC300 CFM FLOW RATE ESTIMATES

10 ft	20 ft	30 ft	40 ft	50 ft	60 ft
375	345	325	300	275	250

### HC200 CFM FLOW RATE ESTIMATES

10 ft	20 ft	30 ft	40ft
220	180	140	100

All above references are estimates. Contact a HVAC contractor for more specific information. Individual performance can not be guaranteed by Hoffco. Hoffco reserves the right to change product specifications.