

Air Conditioning Contractors of America, Manual D, Third Edition

Effective Length Worksheet								
Element	Supply Run ID Number							
Straight Run	Bed 2		Hall Bath		Bed 1			
		Length		Length		Length		Length
Trunk Length		22		22		31		
Trunk Length								
Trunk Length								
Runout Length		20		5		5		
Fittings	Group Letters	Effective Length	Group Letters	Effective Length	Group Letters	Effective Length	Group Letters	Effective Length
Group 1 ◀	1B	10	1B	10	1B	10	0.445555556	10
Group 2 ◀			2N	35	2N	35		35
Group 3 ◀								
Group 4 ◀	4AA	35	4AA	35	4AA	35		35
Group 8 ◀	8A 45, 8A 90	40	8A 45, 8A 90	40	8A 45, 8A 90	40		40
Group 9 ◀								
Group 11 ◀		-65		-65		-65	00FPM/0.08FR	
Group 12 ◀	12J	10						
Other								
Other								
Other								
Other								
Other								
Total Length		72		82		91		120
Design TEL	120							
Element	Return Run ID Number							
Straight Run	Main Return							
		Length		Length		Length		Length
Trunk Length		15.5						
Trunk Length								
Trunk Length								
Runout Length								
Fittings	Group Letters	Effective Length	Group Letters	Effective Length	Group Letters	Effective Length	Group Letters	Effective Length
Group 5 ◀	5D	40						
Group 6 ◀	6N	10						
Group 7 ◀								
Group 8 ◀	8A 45, 8A 90	40						
Group 10 ◀								
Group 11 ◀								
Group 12 ◀		-25	00FPM/0.06FR					
Other		p						
Other								
Other								
Other								
Total Length		80.5		0		0		0
Design TEL	80.5							