

# TECHNICAL DATA

## For Model 427 Toe Space Grille

TOE SPACE GRILL FREE AREA		CFM (CUBIC FEET PER MINUTE)										
		50	75	100	125	150	175	200	225	250	275	300
10 X 2 <sup>1</sup> / <sub>4</sub> 14.8 SQ. IN.	PRESSURE LOSS (IN. W.G.)	.020	.014	.079	.124	.178	.243					
	HORIZ. SPREAD (FT)	5.5	8.5	11.5	14	17	20					
	VERTICAL THROW (FT)	3.5	5	6.5	8.5	10	12					
	AVG. FACE VELOCITY (FPM)	487	731	974	1218	1461	1704					
12 X 2 <sup>1</sup> / <sub>4</sub> 17.5 SQ. IN.	PRESSURE LOSS (IN. W.G.)	.012	.028	.049	.077	.111	.151	.198				
	HORIZ. SPREAD (FT)	5	7.5	10.5	13	15.5	18	20.5				
	VERTICAL THROW (FT)	3	4.5	6	7.5	9	10.5	12				
	AVG. FACE VELOCITY (FPM)	413	620	827	1033	1240	1447	1653				
14 X 2 <sup>1</sup> / <sub>4</sub> 20.5 SQ. IN.	PRESSURE LOSS (IN. W.G.)	.011	.025	.044	.069	.099	.135	.175	.222			
	HORIZ. SPREAD (FT)	5	7	9.5	12	14	16.5	19	21			
	VERTICAL THROW (FT)	3	4	5.5	7	8.5	10	11	12.5			
	AVG. FACE VELOCITY (FPM)	387	581	704	880	1162	1355	1549	1743			
10 X 4 26.9 SQ. IN.	PRESSURE LOSS (IN. W.G.)	.005	.011	.020	.032	.046	.062	.082	.104	.127	.154	.184
	HORIZ. SPREAD (FT)	4	6	8	10	12	14.5	16.5	18.5	20.5	22.5	24.5
	VERTICAL THROW (FT)	2.5	3.5	4.5	6	7	8	9.5	10.5	11.5	13	14
	AVG. FACE VELOCITY (FPM)	267	401	535	668	802	936	1070	1203	1337	1470	1602