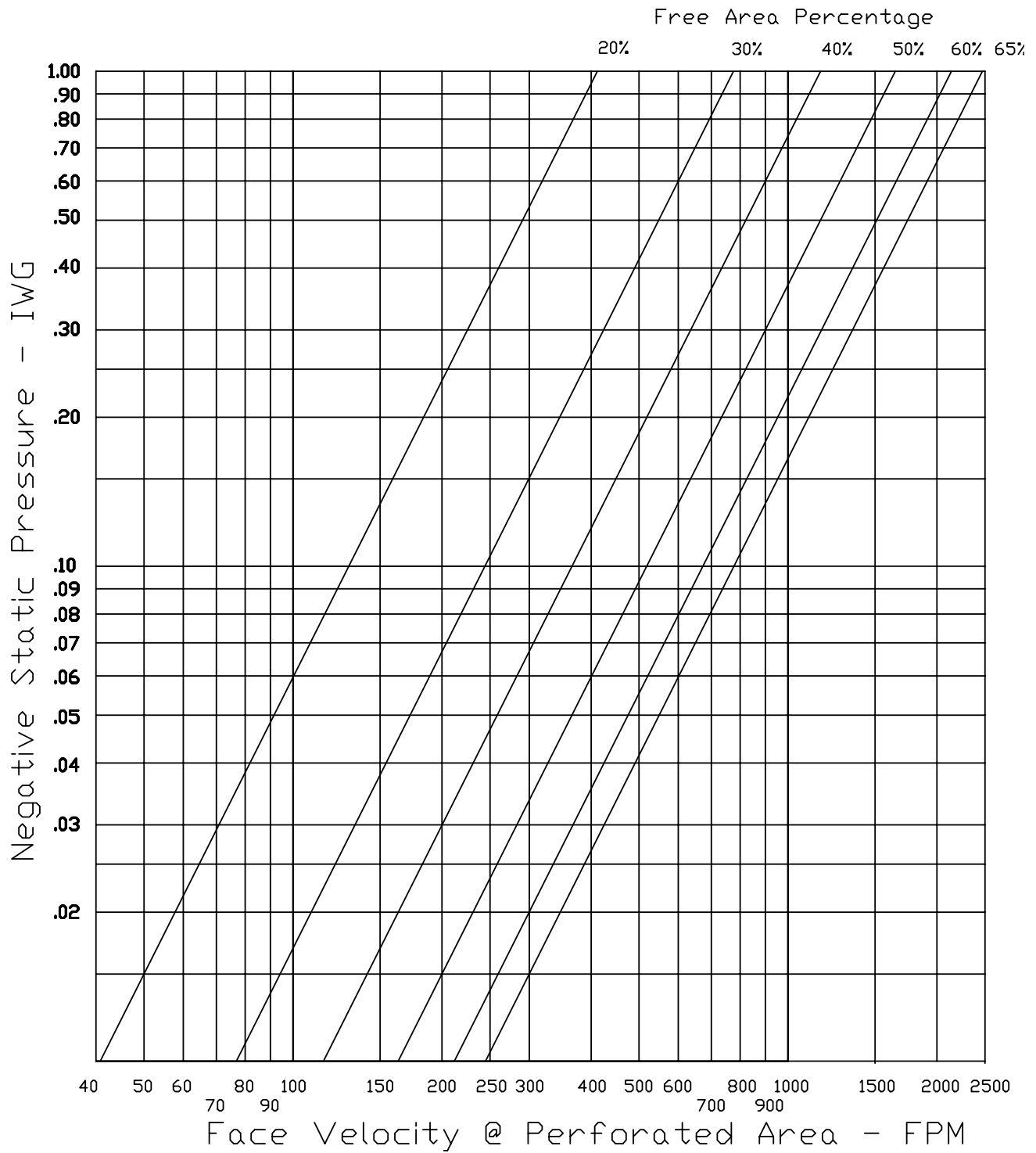


RETURN STAMPED GRILLE PRESSURE DROP



KEES INCORPORATED
 400 S. Industrial Dr.
 Elkhart Lake, WI 53020

Phone: (920) 876-3391
 Fax: (920) 876-3065
 Website: www.kees.com

RETURN STAMPED GRILLE NC LEVELS

PERCENT OPEN	SIZE	FACE VELOCITY @ PERFORATED AREA - FPM							
		150	200	300	400	500	600	800	1000
20%	6" X 6"	<25 NC	<25 NC	31	41	49			
	12" X 12"	<25 NC	<25 NC	39	50	>50 NC			
	18" X 18"	<25 NC	29	44	>50 NC	>50 NC			
	24" X 24"	<25 NC	33	47	>50 NC	>50 NC			
	36" X 36"	27	38	>50 NC	>50 NC	>50 NC			
	48" X 48"	31	41	>50 NC	>50 NC	>50 NC			
30%	6" X 6"		<25 NC	<25 NC	29	37	44		
	12" X 12"		<25 NC	27	37	45	>50 NC		
	18" X 18"		<25 NC	32	42	>50 NC	>50 NC		
	24" X 24"		<25 NC	35	46	>50 NC	>50 NC		
	36" X 36"		25	40	>50 NC	>50 NC	>50 NC		
	48" X 48"		29	44	>50 NC	>50 NC	>50 NC		
40%	6" X 6"			<25 NC	<25 NC	28	35	45	
	12" X 12"			<25 NC	28	37	43	>50 NC	
	18" X 18"			<25 NC	33	41	48	>50 NC	
	24" X 24"			26	37	45	>50 NC	>50 NC	
	36" X 36"			31	42	50	>50 NC	>50 NC	
	48" X 48"			35	45	>50 NC	>50 NC	>50 NC	
50%	6" X 6"			<25 NC	<25 NC	<25 NC	28	39	47
	12" X 12"			<25 NC	<25 NC	30	36	47	>50 NC
	18" X 18"			<25 NC	27	35	41	>50 NC	>50 NC
	24" X 24"			<25 NC	30	38	45	>50 NC	>50 NC
	36" X 36"			<25 NC	35	43	50	>50 NC	>50 NC
	48" X 48"			28	39	47	>50 NC	>50 NC	>50 NC
60%	6" X 6"				<25 NC	<25 NC	<25 NC	33	41
	12" X 12"				<25 NC	<25 NC	31	41	50
	18" X 18"				<25 NC	29	36	46	>50 NC
	24" X 24"				<25 NC	33	39	50	>50 NC
	36" X 36"				29	38	44	>50 NC	>50 NC
	48" X 48"				33	41	48	>50 NC	>50 NC
65%	6" X 6"				<25 NC	<25 NC	<25 NC	31	39
	12" X 12"				<25 NC	<25 NC	28	39	47
	18" X 18"				<25 NC	27	33	44	>50 NC
	24" X 24"				<25 NC	30	37	47	>50 NC
	36" X 36"				27	35	42	>50 NC	>50 NC
	48" X 48"				31	39	45	>50 NC	>50 NC

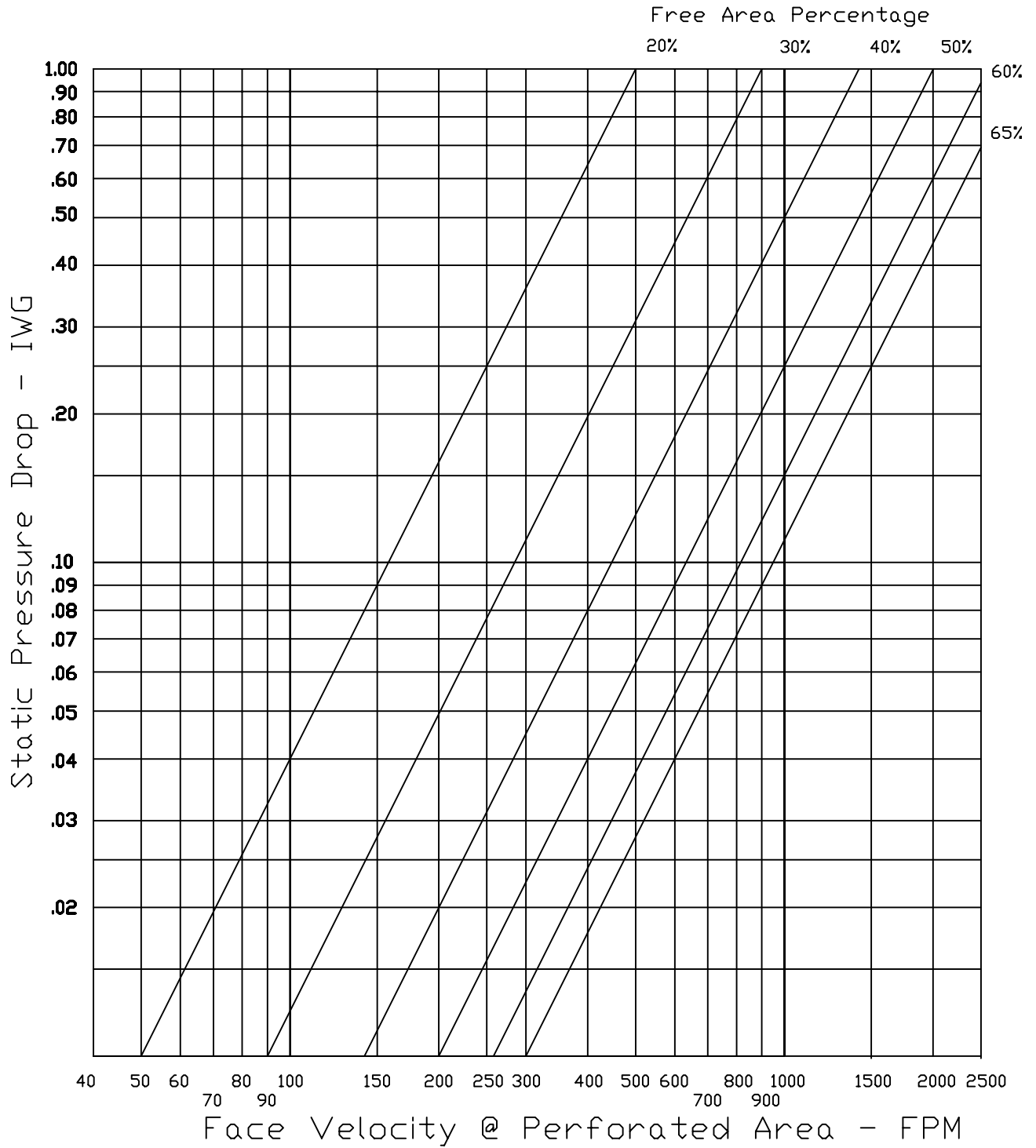
NC based on 10dB room absorption



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SUPPLY STAMPED GRILLE PRESSURE DROP



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SUPPLY STAMPED GRILLE NC LEVELS

PERCENT OPEN	SIZE	FACE VELOCITY @ PERFORATED AREA - FPM							
		150	200	300	400	500	600	800	1000
20%	6" X 6"	<25 NC	<25 NC	29	39	47			
	12" X 12"	<25 NC	<25 NC	37	48	>50 NC			
	18" X 18"	<25 NC	27	42	>50 NC	>50 NC			
	24" X 24"	<25 NC	31	45	>50 NC	>50 NC			
	36" X 36"	25	36	>50 NC	>50 NC	>50 NC			
	48" X 48"	29	39	>50 NC	>50 NC	>50 NC			
30%	6" X 6"		<25 NC	<25 NC	27	35	42		
	12" X 12"		<25 NC	<25 NC	35	43	50		
	18" X 18"		<25 NC	30	40	48	>50 NC		
	24" X 24"		<25 NC	33	44	>50 NC	>50 NC		
	36" X 36"		<25 NC	38	49	>50 NC	>50 NC		
	48" X 48"		27	42	>50 NC	>50 NC	>50 NC		
40%	6" X 6"		<25 NC	<25 NC	<25 NC	26	33	43	
	12" X 12"		<25 NC	<25 NC	26	35	41	>50 NC	
	18" X 18"		<25 NC	<25 NC	31	39	46	>50 NC	
	24" X 24"		<25 NC	<25 NC	35	43	50	>50 NC	
	36" X 36"		<25 NC	29	40	48	>50 NC	>50 NC	
	48" X 48"		<25 NC	33	43	>50 NC	>50 NC	>50 NC	
50%	6" X 6"			<25 NC	<25 NC	<25 NC	26	37	45
	12" X 12"			<25 NC	<25 NC	28	34	45	>50 NC
	18" X 18"			<25 NC	<25 NC	33	39	50	>50 NC
	24" X 24"			<25 NC	28	36	43	>50 NC	>50 NC
	36" X 36"			<25 NC	33	41	48	>50 NC	>50 NC
	48" X 48"			26	37	45	>50 NC	>50 NC	>50 NC
60%	6" X 6"				<25 NC	<25 NC	<25 NC	31	39
	12" X 12"				<25 NC	<25 NC	29	39	48
	18" X 18"				<25 NC	27	34	44	>50 NC
	24" X 24"				<25 NC	31	37	48	>50 NC
	36" X 36"				27	36	42	>50 NC	>50 NC
	48" X 48"				31	39	46	>50 NC	>50 NC
65%	6" X 6"				<25 NC	<25 NC	<25 NC	29	37
	12" X 12"				<25 NC	<25 NC	26	37	45
	18" X 18"				<25 NC	<25 NC	31	42	>50 NC
	24" X 24"				<25 NC	28	35	45	>50 NC
	36" X 36"				25	33	40	>50 NC	>50 NC
	48" X 48"				29	37	43	>50 NC	>50 NC

NC based on 10dB room absorption



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