

**90 Series**

Please refer to Footnote A &amp; C below.

SIZE Eff.Area	Velocity Duct Pt	300 .007	400 .011	500 .017	600 .024	700 .034	800 .044	900 .055	1000 .068
6" .141 ft <sup>2</sup>	CFM	45	56	67	82	98	107	124	138
	Throw	2/2/2	2.5/2.5/3	2.5/3/3.5	3/3.5/4	3.5/4/4.5	4/4.5/5	4/5/6	5/6/7
	NC	<20	20	25	25	30	30	30	35
8" .222 ft <sup>2</sup>	CFM	71	92	118	134	165	184	204	232
	Throw	2/2/2	2.5/3/3.5	3/3.5/4	4.5/5/6	4.5/5.5/6.5	5/6/7	5.5/7/8.5	6/7.5/9
	NC	<20	20	25	25	30	30	30	35
10" .348 ft <sup>2</sup>	CFM	107	143	179	214	245	281	316	352
	Throw	2.5/2.5/3	3/3.5/4	4/4.5/5	4.5/5/6	5/6/7	6/7/8	6.5/8/9.5	7/8.5/10
	NC	<20	20	25	30	30	30	35	35
12" .508 ft <sup>2</sup>	CFM	153	204	250	306	357	408	459	510
	Throw	2.5/3/3.5	3.5/4/4.5	4.5/5/5.5	5/6/7	6.5/7.5/8.5	7.5/8.5/9.5	7/9/11	9/11/13
	NC	<20	20	25	30	30	35	35	35
14" .628 ft <sup>2</sup>	CFM	194	255	321	383	449	510	576	638
	Throw	3/3.5/4	4/4.5/5	5/5.5/6	5.5/6.5/7.5	7/8/9	7.5/9/10.5	8/10/12	9/11/13
	NC	<20	20	25	30	30	35	35	40

**FOOTNOTE A:**

**SIZE:** Nominal size or the duct opening.

**EFFECTIVE AREA:** The space between the vanes actually utilized by the air.

**VELOCITY:** The actual velocity of the air through the vanes measured with a velometer or similar device.

**DUCT Pt:** The total pressure behind the register in the duct forcing that air through the register.

**THROW:** The throws noted in the tables are the distance from the register to where the air stream velocity has dropped to not under 100/75/50 F.P.M.

**FOOTNOTE C:**

**NOISE CRITERIA:** NC "A" scale. (1) Below NC25 extremely quiet. (2) Below NC30 Quiet Office. (3) Below NC35 Conference Rooms; normal voice 10-30 ft. (4) Below NC40 Conference Rooms; 6-12 ft. normal voice. (5) NC45 conference Rooms; 3-6 ft. normal voice.C