

# McGuire Air Compressors, Inc

1-888-229-9999 E-mail [compressors@mcguire.biz](mailto:compressors@mcguire.biz)

NOZZLE ORIFICE SIZE and NO.	BLAST NOZZLE CHART						Air Pressure @ Nozzle (PSIG)
	70	80	85	90	95	100	
3/16" No. 3	33	36	39	41	43	45	Compressed Air (CFM)
	196	216	227	238	241	264	Pounds of Sand (PPH)
	39	43	45	47	48	53	Production Rate (SFPH)
1/4" No. 4	61	68	71	74	77	81	Compressed Air (CFM)
	354	408	428	448	475	500	Pounds of Sand (PPH)
	71	82	86	90	95	100	Production Rate (SFPH)
5/16" No. 5	101	113	120	126	131	137	Compressed air (CFM)
	604	672	703	740	770	800	Pounds of Sand (PPH)
	121	135	141	148	154	160	Production Rate (SFPH)
3/8" No. 6	143	161	167	173	184	196	Compressed Air (CFM)
	864	960	1004	1052	1100	1150	Pounds of Sand (PPH)
	173	192	201	210	220	230	Production Rate (SFPH)
7/16" No. 7	194	217	228	240	246	254	Compressed Air (CFM)
	1176	1312	1380	1448	1515	1585	Pounds of Sand (PPH)
	235	262	276	290	303	317	Production Rate (SFPH)
1/2" No. 8	252	280	295	309	323	338	Compressed Air (CFM)
	1512	1680	1768	1856	1925	2000	Pounds of Sand (PPH)
	302	336	354	371	385	400	Production Rate (SFPH)

PSIG = Pounds per Square Inch Gauge    CFM = Cubit Feet per Minute of air used  
 PPH = Pounds Per Hour of sand used    SFPH = Square Feet Per Hour blasted

McGuire Air Compressors, Inc  
1-888-229-9999 E-mail [compressors@mcguire.biz](mailto:compressors@mcguire.biz)

## BLAST NOZZLE AIR PRESSURE EFFICIENCY

Based on "wide-throat long venture" blast nozzle.

Ref.: Abrasive Blast Cleaning Handbook by A.B. Williams. (1986, First Edition)

Blast Nozzle Pressure (PSIG)	Approx. Abrasive Velocity (MPH)	Efficiency Factor (%)
100	420	100
95	400	93
90	365	85
85	330	78
80	270	70
75	210	63
70	190	55