



Compressed-Air and Abrasive Consumption

Nozzle Orifice	Pressure at the Nozzle (psi)								Air (in cfm) Abrasive and HP requirements
	50	60	70	80	90	100	125	140	
No. 2 (1/8")	11	13	15	17	18.5	20	25	28	Air (cfm)
	.67	.77	.88	1.01	1.12	1.23	1.52	1.70	Abrasive (cu.ft./hr and lbs/hr)
	67	77	88	101	112	123	152	170	Compressor hp
	2.5	3	3.5	4	4.5	5	5.5	6.2	
No. 3 (3/16")	26	30	33	38	41	45	55	62	Air (cfm)
	1.5	1.71	1.96	2.16	2.38	2.64	3.19	3.57	Abrasive (cu.ft./hr and lbs/hr)
	150	171	196	216	238	264	319	357	Compressor hp
	6	7	8	9	10	10	12	13	
No. 4 (1/4")	47	54	61	68	74	81	98	110	Air (cfm)
	2.68	3.12	3.54	4.08	4.48	4.94	6.08	6.81	Abrasive (cu.ft./hr and lbs/hr)
	268	312	354	408	448	494	608	681	Compressor hp
	11	12	14	16	17	18	22	25	
No. 5 (5/16")	77	89	101	113	126	137	168	188	Air (cfm)
	4.68	5.34	6.04	6.72	7.40	8.12	9.82	11.0	Abrasive (cu.ft./hr and lbs/hr)
	468	534	604	672	740	812	982	1100	Compressor hp
	18	20	23	26	28	31	37	41	
No. 6 (3/8")	108	126	143	161	173	196	237	265	Air (cfm)
	6.68	7.64	8.64	9.60	10.52	11.52	13.93	15.6	Abrasive (cu.ft./hr and lbs/hr)
	668	764	864	960	1052	1152	1393	1560	Compressor hp
	24	28	32	36	39	44	52	58	
No. 7 (7/16")	146	170	194	217	240	254	314	352	Air (cfm)
	8.96	10.32	11.76	13.12	14.48	15.84	19.31	21.63	Abrasive (cu.ft./hr and lbs/hr)
	896	1032	1176	1312	1448	1584	1931	2163	Compressor hp
	33	38	44	49	54	57	69	77	
No. 8 (1/2")	195	224	252	280	309	338	409	458	Air (cfm)
	11.60	13.36	15.12	16.80	18.56	20.24	24.59	27.54	Abrasive (cu.ft./hr and lbs/hr)
	1160	1336	1512	1680	1856	2024	2459	2754	Compressor hp
	44	50	56	63	69	75	90	101	

*Consumption rates are based on abrasives that weigh 100 lbs per cubic foot.