

COMPRESSED AIR REQUIREMENTS

Nozzle Size (Orifice)		Pressure at the Nozzle						
		50 psi	60 psi	70 psi	80 psi	90 psi	100 psi	125 psi
# 2 (1/8")	Air (CFM)	11	13	15	17	18.5	20	25
#3 (3/16")	Air (CFM)	26	30	33	38	41	45	55
#4 (1/4")	Air (CFM)	47	54	61	68	74	81	98
#5 (5/16")	Air (CFM)	77	89	101	113	126	137	168
#6 (3/8")	Air (CFM)	108	126	143	161	173	196	237
#7 (7/16")	Air (CFM)	147	170	194	217	240	254	314
#8 (1/2")	Air (CFM)	195	224	252	280	309	338	409

Calculation for approximate compressor horsepower requirements:

CFM divided by 4 = approximate HP of compressor necessary (for a new air compressor)

For example, #4 Nozzle blasting at 80 psi requires 68 cfm of air. $68 \div 4 = 17$ HP