

### Shop CFM Calculation

Port Diameter	3"	4"	5"	6"	7"	8"	9"	10"	12"
Machine # 1									
Machine # 2									
Machine # 3									
Machine # 4									
Machine # 5									
Machine # 6									
Machine # 7									
Machine # 8									
Machine # 9									
Machine # 10									
Machine # 11									
Machine # 12									
Multiply by: for 4500 ft/min:	220	393	614	884	1203	1571	1988	2454	3534
Multiply by: for 5500 ft/min:	270	480	750	1080	1470	1920	2430	3000	4320
Total CFM									

### Example Shop CFM Calculation

Port Diameter	3"	4"	5"	6"	7"	8"	9"	10"	12"
Table Saw		1	1						
Sander						2			
Edge Bander		1	2						
Grinder								1	
Rip Saw									
Moulder				6					
Gang Rip			2			1			
Multiply by: for 4500 ft/min:	220	393	614	884	1203	1571	1988	2454	3534
Multiply by: for 5500 ft/min:	270	480	750	1080	1470	1920	2430	3000	4320
Total CFM		786	3070	6480		4713		3000	

**Total Shop CFM    18049**

\*For heavy dust load machines like Moulders, Grinders, and CNC's, use 5500 ft/min air speed multiplier