

WOODWORKING DUST COLLECTOR WORK SHEET

FIRM NAME: _____ DATE: _____

STREET ADDRESS: _____

CITY: _____ STATE: _____ ZIP: _____

CONTACT: _____ CONTACT: _____

TELEPHONE NO.: (____) _____ FAX: (____) _____

SALES REP FIRM: _____ SALES REP: _____

I. PRELIMINARY INFORMATION

A. Existing Dust Collector: Yes () No () (If No, proceed to System Sizing)

Shop Vac () Enclosureless () Cyclone ()
With After Filter () Jet Pulse Bag House () Other ()

Manufacturer: _____

Model: _____

B. Existing Duct Work: Yes () No ()

II. SYSTEM SIZING

According to NFPA 664, "Standard For The Prevention Of Fires And Explosions In Wood Processing and Woodworking Facilities", if the shop is greater than 5,000 sq.ft. or if the total airflow requirement is greater than 1,500 CFM, then the system should be sized for 100% of the machines. NFPA publishes recommended standards. We feel their recommendations should be followed as closely as possible.

A. Number of woodworking machines: _____

B. Please itemize wood working machines on Wood Working Machine Survey page.

C. How far will the farthest machine be from the dust collector? _____

D. Hours per day system will operate: _____

E. The collected material will be primarily: Sawdust () Sanding dust () Shavings ()

F. Type of wood: Common () Hard () Composition Board ()

G. Type of dust collector desired: Cyclone () Shaker () Jet Pulse () Don't Know ()

H. Type of dust receptacle desired:
Single 55 gal. Drum () Two 55 gal. Drums () Hopper (105 cu. ft.) ()
() Rotary airlock and clearance for: Dumpster () Other ()

III. **SYSTEM FACTS**

- A. Type of facility: Production () School () Maintenance ()
- B. Dust collector location: Indoor () Outdoor ()
- C. Available floor or yard space: _____ x _____ in.
- D. Available height: _____ ft. _____ In.
- E. Cleaned air to be recirculated: Yes () No ()
- F. Available Electrical Service: (Volts, Phase, Hertz) _____
- G. Is 90 - 100 PSI compressed air available: Yes () No ()

WOOD WORKING MACHINE SURVEY

1. Please indicate quantity of each machine in second column.
2. Common size woodworking machines are listed with their typical blade or belt size and required airflow. If you have a machine(s) that is larger than the size shown, **write in the size and pipe connection if known.**
3. NFPA #664 recommends that the system be sized for 100% capacity. If you size the dust collector for less than 100% capacity, you may not be in compliance with your local fire dept. and/or liability insurance company. If you want extra capacity for future expansion, indicate the % desired on line Z.

ITEM CODE	QTY.	MACHINE	DETAILS	PIPE CONN.	AIR FLOW CFM
A		Table Saw	Blade Dia.: Up to 12"	4"	350
B		Radial Arm Saw	Blade Dia.: Up to 12"	4"	350
C		Band Saw	Blade Width: 1/2"	4"	350
D		Swing Saw	Blade Dia.: Up to 20"	4"	350
E		Panel Saw	Blade Dia.: Up to 12'	3"	150
F		Gang Rip	Blade Dia.: Up to 24"	4" (top) 5" (bottom)	350 550
G		Disc Sander	Disc Dia.; Up to 12"	4"	350
H		Drum Sander	Drum Surface 200 sq. in.	4"	350
I		Edge Sander	Belt Width: 6"	4"	350
J		Stroke Sander	Belt Width: 6"	4"	350
K		Belt & Disc Combo Sander	Disc Dia.: Up to 12" Belt Width: Up to 6"	4" 5"	350 550
L		Wide Belt Sander	Belt Width: 36"	7"	1,000
M		Vertical Belt Sander	Belt Width: Up to 6"	5"	550
N		Router	Bit Size: 1/32" to 3/4" Horse Power: 7 1/2	4"	350
O		CNC Router	No. of Heads: ()	4" per head	350 per head
P		Single Planer*	Knife Width: Up to 20"	6"	800
Q		Double Sander	Knife Width: Up to 20"	6" (top) 5" (bottom)	800 450
R		Jointer	Blade Width: Up to 6"	4"	400
S		Moulder*	No. of Heads: ()	6" per head	1000 per head
T		Shaper	Horse Power: Up to 1 HP	4"	350
U		Lathe	Use A Floor Sweep**	--	--
V		Drill Press	Use A Floor Sweep**	--	--
W					
X					
Y					
Z		Extra Capacity	% extra		
Total airflow of all machines:					

* If more than occasional use, a cyclone with rotary airlock discharge, clearance stand & suitable container is required.

** A floor sweep is a branch (typically 6") that terminates with a wide hood at the floor. It is closed when not in use and therefore, is not included in computing total air volume.

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