Engineering Data Sheet

General Ventilation Requirements
(Verify General Requirements to Local Codes)

SPACE TO BE VENTILATED	RATE OF CHANGE	
	NO. OF AIR CHANGES/HR.	NO. OF MIN./AIR CHANGE
Auditorium	12	5
Bakeries	20	3
Banquet Halls	20	3
Boiler Rooms	60	1
Bowling Alleys	12	5
Cafeterias	12	5
Classrooms	10	6
Cleaning & Drying	12	5
Club Rooms	12	5
Churches	12	5
Creameries	10	6
Dance Halls	12	5
Dining Rooms	12	5
Dormitories	10	6
Engine Rooms	30	2
Factories	10	6
Foundries	12	5
Garages	10	6
Kitchens	30	2
Laboratories	12	5
Laundries	20	3
Lodge Rooms	12	5
Machine Shop	10	6
Mills	12	5
Offices	12	5
Packing Houses	20	3
Plating Rooms	20	3
Printing Plants	15	4
Projection Booths	60	1
Recreation Rooms	12	5
Residences	15	4
Restrooms	12	5
Sales Rooms	10	6
Ship Holds	6	10
Stores	12	5
Toilets	20	3
Transfer Rooms	20	3
Tunnels	6	10

Formulas for determining fan Capacity:

$$\text{CFM Required} = \frac{\text{Volume of Space (w x h x L)}}{\text{No. of Min. per Air change}}$$

OR

$$\text{CFM Required} = \frac{[\text{Volume of Space(w x h x L)}][\text{No. of air changes/hr.}]}{60 \text{ min./hr.}}$$