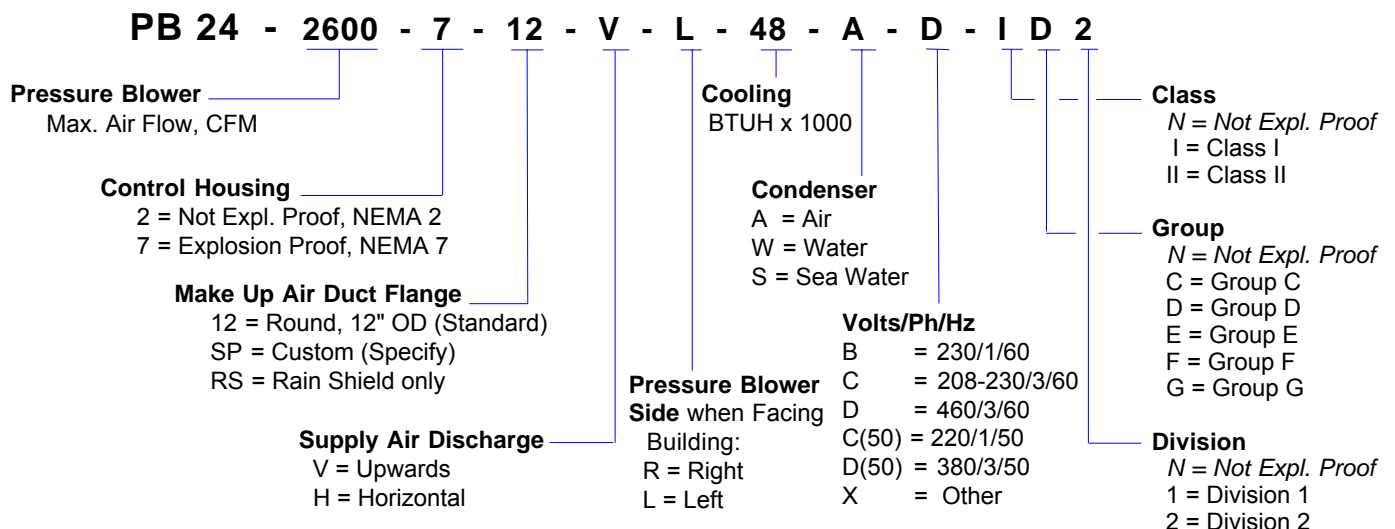# AIR CONDITIONING with PRESSURIZATION

PB 24 Air Conditioning with Pressurization

How to Order

1.- Determine the **maximum** volume of make-up air required. NFPA 496 specifies a **minimum of 60 feet per minute** across door and other room openings. The same velocity is also suggested for preventing dust infiltration.
2.- Select desired control housing of NEMA 2 (Drip proof) or NEMA 7 (Explosion proof).
3.- Specify make-up air duct flange, air discharge direction, side for pressure blower installation and power required.
4.- Determine cooling and (optional) heating requirements. To request computerized load calculations use Technical Support Bulletin HVLO1FRM.
5.- For explosion proof models determine the hazard classification, e.g. NEC Class I, Group D, Division 2.
6.- Using the order numbers below, select the required PB(X) 24 base model and options.
7.- For additional technical or price information contact company sales engineering department.

Model Number Description

PB 24 - 2600 - 7 - 12 - V - L - 48 - A - D - I D 2

Pressure Blower
Max. Air Flow, CFM

Control Housing
2 = Not Expl. Proof, NEMA 2
7 = Explosion Proof, NEMA 7

Make Up Air Duct Flange
12 = Round, 12" OD (Standard)
SP = Custom (Specify)
RS = Rain Shield only

Supply Air Discharge
V = Upwards
H = Horizontal

Pressure Blower Side when Facing Building:
R = Right
L = Left

Cooling
BTUH x 1000

Condenser
A = Air
W = Water
S = Sea Water

Volts/Ph/Hz
B = 230/1/60
C = 208-230/3/60
D = 460/3/60
C(50) = 220/1/50
D(50) = 380/3/50
X = Other

Class
N = Not Expl. Proof
I = Class I
II = Class II

Group
N = Not Expl. Proof
C = Group C
D = Group D
E = Group E
F = Group F
G = Group G

Division
N = Not Expl. Proof
1 = Division 1
2 = Division 2

Options

Model	Description
PB 24-11	Full Corrosion Protection Package: Type 316 stainless steel Cabinet, other Metal Parts Protected with Epoxy Paint; with SaveCoil 101 baked phenoxy coil coating on condenser and evaporator coils
PB EH (kw)	Electric Heat, (specify kw), with pressure interlock, for Division 2 only
PB SH (BTUH)	Steam Heater, (specify BTUH and steam pressure), with control solenoid, less trap
PB 24-DCI	Disconnect Switch with Circuit Breaker, installed
PB 24-ASC-1	Automatic Switchover, Dual Pressure Blowers only, w/disconnect and circuit breaker, installed
PB 24-A2	Replacement Filters, 4" particulate, for Make-Up Air Filter Housing, Box of 3
PB 24-B9	Make-Up Air Stack Support, for connecting PB 24-A3 Make up Air Ducts higher than 20 ft above ground
PB 24-A3	Make-up Air Duct, 12", flanged 10 ft section, with flange bolts
PB 24-A4	Make-Up Air Stack Rain Cap, with bird screen and hardware, for connection to PB 24-A3
PB 24-A5	Alarm Horn, connects to built-in alarm contacts to signal pressure loss
PB 24-A6	Automatic Purge Control, timed purge provides adjustable delay period
PB-24-98	Smoke Detector, Explosion Proof, installed with system interlock
PB 24-99	Gas Detector (specify gas and concentration), installed with shut-off damper and interlock controls

Your Representative is:

SCIENTIFIC SYSTEMS CORPORATION