



THE NEW YORK BLOWER COMPANY

Fan and Blower Specification Sheet

Job Name: _____

Job Number: _____ Project Manager/Contact Name: _____

Date: _____

Number of fans required: _____

City and Country of the location where the fan will be located: _____

Will the fan be: Inside a building Outside in the weather

Type of gas being moved: Fresh Air Gas Other: _____

Connections to the fan:

- Open Inlet to atmosphere and Ducted Outlet
- Ducted Inlet and Ducted Outlet
- Ducted Inlet and Open Outlet to atmosphere
- Plug fan (installed in customers duct/plenum)

Corrosives in gas stream: Y N If yes what? _____

Particles in the gas stream: Y N If yes what? _____ Dust loading: _____

Fan Driver: Motor Engine Steam Turbine Fluid Drive

If Motor: Voltage: _____ Phase: _____ Frequency: _____

Fan Driver Connection: Direct Coupled Belt Drive Fan on motor shaft

Type of fan needed: Axial Centrifugal Mixed flow

Configuration: Centrifugal: SWSI DWDI Axial: single-stage multi-stage

Aerodynamic Design Data units: cfm, inches w.g., lbs/ft³, °F m³/s, Pa, kg/m³, °C

m³/min, PA, kg/m³, °C m³/s, mm w.g., kg/m³, °C m³/s, kPa, kg/m³, °C,

lb/sec, inches w.g., lbs/ft³, °F, kg/sec, Pa, kg/m³, °C

Volume specified as: ___ Actual ___ AMCA Standard ___ ISO Normal ___ ISO Standard

If not Standard Conditions:

Elevation above sea level: _____ Density: _____ Humidity: _____

Inlet Temperature to the fan at PT 1 _____

Pressure rise is: _____ Static _____ Total _____ AMCA Static Pressure

Flow: _____ Pressure Rise from Plane 1 to Plane 2: Density: Temperature:

Units:	Flow:	Pressure Rise from Plane 1 to Plane 2:	Density:	Temperature:
PT 1	_____	_____	_____	_____
PT 2	_____	_____	_____	_____
PT 3	_____	_____	_____	_____
PT 4	_____	_____	_____	_____

Do you want to include an outlet evase or diffuser in the required pressure rise: Y N

Required Fan Design Temperature: _____

What rotor arrangement do you prefer?

Overhung Impeller or Impeller between the shaft bearings



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Fan Control: Centrifugal or Axial:

Inlet vane control Inlet damper Variable speed Outlet damper
Axial Blade Control:

automatic blade adjust no blade adjust manual blade adjust

Fan Noise: Require Sound pressure at 3 ft (1 meter) from the fan casing: _____ db or dba
If open inlet or open outlet: Required noise level: _____

Fan to be constructed of: _____ The required design life required for the fan: _____ years

Scope of supply to be included with the fan:

Motor: _____ VFD: _____ Turbine: _____ Engine: _____ Fluid Drive: _____

Pedestals: _____ Fan and motor baseframe: _____

Inlet silencer and transition: _____ Outlet silencer and transition: _____

Standard paint: Y N If special paint, what? _____

Mechanical Run-In test: Y N Performance Test: Y N Shop Inspection: Y N

Specific fan rotation required: CW CCW

Specific inlet angle of the inlet box (looking from the motor): _____ degrees

Specific outlet angle of the centrifugal fan housing (looking from the motor) _____ degrees

Fan is installed on a:

- concrete foundation supported by the ground
- steel base frame on a concrete foundation supported by the ground
- steel base frame on springs on building beams or building floor
- steel base frame on concrete isolation base on building beams or building floor
- oil platform
- ship

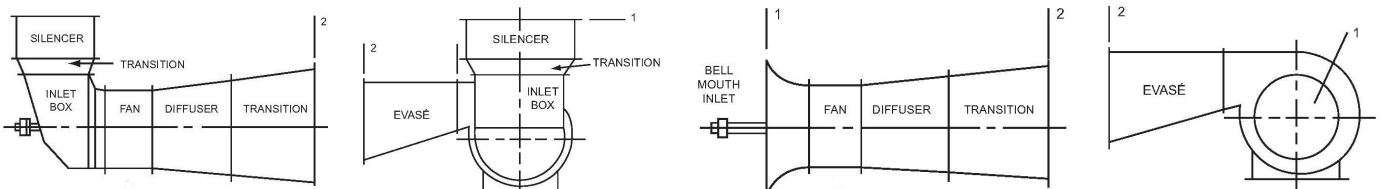
Use nyb standard recommended design specifications for this application:

- Yes No - Use only Customer Supplied Specifications

Are you replacing or upgrading an existing fan or is this a new fan:

- New Build Replacement Replacement rotor only Upgrade, Repair Other

Please tell us any other information that is important for the specification of the fan(s):



Reference figures to identify pressure rise needed from Plane 1 to Plane 2