



Arad Tajhiz

Vacuum and Acoustic Technology

Fan Silencer Specification Sheet

Please provide the requested information and fax to ARAD TAJHIZ CO. at 031-36642680

Company name:

Email:

Contact:

Phone number:

Fax number:

Address:

1. Operating Conditions			
APPLICATION:	<input type="checkbox"/> Intake	<input type="checkbox"/> Discharge	<input type="checkbox"/> Other:
FLUID	<input type="checkbox"/> Steam	<input type="checkbox"/> Air	<input type="checkbox"/> Other:
	Molecular Weight:		Specific Gravity:
	k:		Compressibility
Flow rate (Kg/h):		Intake PRESSURE (bar):	
Inlet TEMPERATURE (K):		Discharge PRESSURE (bar):	
Discharge TEMPERATURE (K):		Allowable Pressure Drop (bar):	
2. Design Data			
Type of FAN	<input type="checkbox"/> Tubular Centrifugal	<input type="checkbox"/> Centrifugal Airfoil Blades	
	<input type="checkbox"/> Vane axial	<input type="checkbox"/> Centrifugal Radial Blades	
	<input type="checkbox"/> Tube axial	<input type="checkbox"/> Centrifugal Backward Curved Blades	
	<input type="checkbox"/> Propeller	<input type="checkbox"/> Centrifugal Forward Curved Blades	
Number of Blades on Fan		Rotational Speed of Fan (rev/sec):	
Radius of Blades (m):	Inlet Size (m):	Outlet Size (m):	
Fan Manufacturer:		Fan Model No:	

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3. Ambient Conditions										
Temperature (K):					Pressure (bar):					
Wind velocity (m/s):			Elevation (m):			Humidity (10 - 90)%:				
4. Acoustical Data										
Un silenced Noise (Sound Pressure level) "If available"										
Frequency (Hz)	31.5	63	125	250	500	1k	2k	4k	8k	16k
SPL (Pressure) dB										
Required Silenced Exhaust Noise Level (dB) @ 1m & 0.0 degree:										
5. Silencer Specifications										
Number of Silencers required (Nos.)										
Max. Silencer Diameter (mm)										
Max. Silencer Length (mm)										
Max Silencer Weight (Kg)										
6. Optional Material Requirement										
Supporting Brackets	<input type="checkbox"/> Skirt and Base Ring					<input type="checkbox"/> Axial Inlet Orientation				
	<input type="checkbox"/> Shell Lugs					<input type="checkbox"/> Radial Inlet Orientation				
	<input type="checkbox"/> Legs					<input type="checkbox"/> Elbow				
	<input type="checkbox"/> Saddles					<input type="checkbox"/> Outlet Flange				
Silencer Orientation	<input type="checkbox"/> Vertical					<input type="checkbox"/> Rain hood				
	<input type="checkbox"/> Horizontal					<input type="checkbox"/> Paint/ Coating				
<input type="checkbox"/> Thermal External Insulation					<input type="checkbox"/> Drain Valve					
8. Your Remarks and Recommendations:										
9. Please Attach General Arrangement Drawing or Sketch of installation location										
10. Please Specify Other terms and Conditions if any										
11. Date:					12. Signature:					