



# VANEC

**Vanec Industrial Silencers**  
 3374 Benzing Road  
 Orchard Park, New York 14127  
 Tel. (716) 827-4959 Fax (716) 827-1041  
 E-Mail: info@vanec.com

## CENTRIFUGAL COMPRESSOR SILENCER APPLICATION DATA SHEET

Customer:		RFQ:	
Contact:	Phone:	Fax:	
Project Ref:	Email:		

### **Centrifugal Compressor Data** (please fill in applicable data and units)

Make:	Model:		
RPM:	No. Of Blades:	bHp:	

### **Operating Conditions** (please include units where applicable)

Service:	Intake	Discharge	Process Gas:	Gas MW:	$C_p/C_v$ :	Compressibility:
Process Gas Flow Rate at Intake Conditions:			Compressor Intake Pressure:	Compressor Intake Temp.:		
Compressor Discharge Pressure:		Discharge Temp.:	Site Elevation:	Site Relative Humidity:		
*Unsilenced Compressor Sound Power Level:				dB re $10^{-12}$ watts		
*Unsilenced Sound Pressure Level:      dBA at      feet from compressor    intake    outlet						

\*If available, please attach any unsilenced octave band noise data. This may be measured or predicted by the engine manufacturer.

### **Centrifugal Compressor Silencer Performance Requirements**

Required Silenced Noise Level:	dBA at	feet from silencer	intake	outlet
Maximum Allowable Silencer™ Pressure Drop:      psi				

### **Centrifugal Compressor Silencer Design Requirements**

Shell Materials:	Internal Materials:	Silencer Inlet Size & Rating:	<i>Silencer Outlet Size &amp; Rating:</i>
External Finish:		<i>Internal Finish:</i>	
Wind Load:		<i>Seismic Load:</i>	
Supports:	Legs	Vertical Shell Brackets	Saddles    Other (specify):
Customer Specifications:			
Comments:			

**\*\* Please fax or Email completed data sheet to VANEC \*\***