

SELECTION GUIDE FOR TEFC MOTOR SILENCERS

Selection and sizing of the correct silencer for any particular TEFC motor is simple; the primary elements to be considered are:

1. Air flow (CFM) requirements
2. Motor air inlet diameter
3. Motor HP
4. Space restrictions around the motor
5. Noise levels at inlet, exhaust, and frame

The chart below will help you in the selection of the correct VA Series silencer for your particular motor. If you have any questions, our technical staff will work with you to confirm the correct size for your specific application.

Airflow (CFM) @ 0.50" W.G.	Airflow (CFM) @ 0.75" W.G.	Motor Inlet Size	Motor HP	Silencer Model
1,420	1,650	up to 12"	15-30	VA 77-2S
2,600	2,900	up to 14"	25-75	VA 88-2S
2,900	3,350	up to 16"	40-75	VA 99-2S
4,900	5,600	up to 18"	75-100	VA 1010-2S
6,500	7,400	up to 21"	100-250	VA 1212-2S
7,900	8,200	up to 24"	125-300	VA 1414-2S
9,400	10,300	up to 24"	125-450	VA 1420-2S
12,000	13,800	up to 30"	500-800	VA 1624-2S
15,000	16,100	up to 36"	800 +	VA 1826-2S

Simple Installation

There are two methods of installation:

1. Use of an acoustically treated adapter fitting.
2. Direct mounting with required air inlet opening and bolt holes built into the silencer base.

Either type of installation may be offset to one side to avoid moving electrical controls, conduits or structural supports.