



BURGESS-MANNING

Burgess-Manning, Inc., Subsidiary of Nitram Energy, Inc.

227 Thorn Avenue, Orchard Park, NY 14127

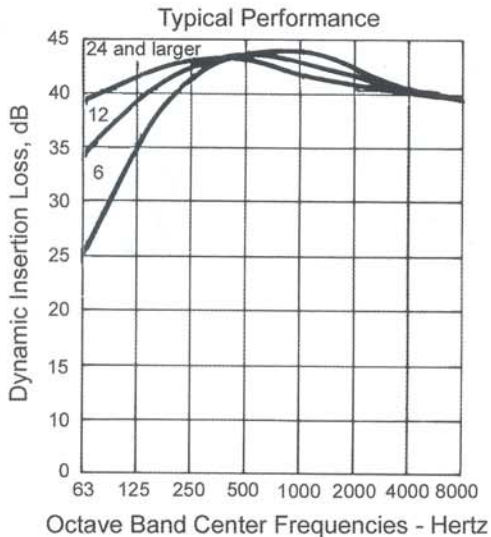
Phone: (716) 662-6540 Fax: (716) 662-6548 Website: www.burgess-manning.com

MODEL BEOA - Engine Exhaust Silencer

Burgess-Manning, Pioneer of Industrial Silencing Reintroduces The Original Combination Reactive/Absorptive Type Engine Exhaust Silencer

Description:

Burgess-Manning chambered reactive type engine silencers are specifically designed to provide ideal noise reduction of reciprocating engine exhaust gas and are available in six different grades. Burgess-Manning offers the industrial grade model BMEI (15-20 dB), residential grade model BMER (20-25 dB), critical grade model BMEC (25-30), critical plus grade model BMA (30-35 dB) hospital grade model BEO (35-40 dB), and hospital plus grade model BEOA (40+ dB).



Specifications:

Maximum Noise Attenuation:	40+ dB
Typical Sizes:	8" - 48"
Standard End Connections:	NPT or 125# ANSI Flanged
Standard Material of Construction:	Carbon Steel
Finish:	Prime Coated Exterior

Features:

- Noise reduction exceeding 40 dB
- Economically priced
- Long service life
- All welded steel construction for explosion resistant service



Figure 1.0

Typical Burgess-Manning combination reactive/absorptive type silencer

Theory of Operation:

The Burgess-Manning patented principle used in the design of Burgess-Manning silencers involves passing the flow of air or gas through an acoustic absorption section, an arrangement of ported tubes and snubbing chambers which attenuate the noise over a wide frequency range.



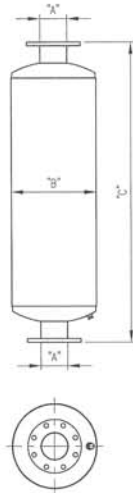
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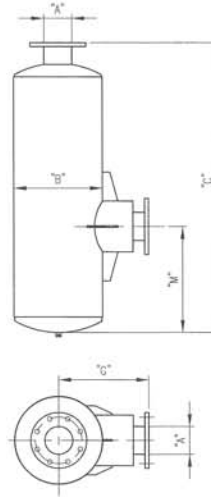
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MODEL BEOA - Engine Exhaust Silencer



BEOA



BEOA-L

Catalog Number	Dimensions in Inches							Estimated Weight in lbs.	
	All Models		BEOA	BEOA-L			BEOA		
	A	B	C	C	G	M			
						Min.	Max.		
BEOA-8	8	24	110	108	26	13	31	575	670
BEOA-10	10	30	136	133	31	15	37	1,020	1,095
BEOA-12	12	36	143	141	36	16	43	1,350	1,395
BEOA-14	14	36	199	196	42	18	66	1,865	2,430
BEOA-16	16	42	213	209	48	20	65	2,705	2,850
BEOA-18	18	48	214	211	53	22	65	3,280	3,590
BEOA-20	20	54	228	225	58	24	65	3,900	4,325
BEOA-22	22	60	232	228	64	26	71	5,275	5,800
BEOA-24	24	60	268	264	69	27	83	6,325	7,145
BEOA-26	26	66	282	278	74	30	89	7,540	8,410
BEOA-28	28	72	283	280	80	32	88	8,425	9,435
BEOA-30	30	72	319	316	85	33	100	9,430	10,700
BEOA-32	32	78	321	318	89	35	99	11,925	14,095
BEOA-36	36	84	332	326	101	38	97	13,670	16,040

- Notes:
- Flanges are drilled to match 125 lb. American Standard Flanges
 - Larger Units available upon request
 - Specifications subject to change without notice

BEOA-E0903