

Enclosures Made Better



**For Generator Sets:  
250kW Through 500kW**

**12-15 dB(A) reduction\***

The C-Pack level 2 consists of a sound attenuated radiator discharge plenum coupled to an existing factory packaged generator enclosure. The air discharge plenum is constructed from mild steel or aluminum, painted to color-match your generator set. The framework is built from welded 1.5" square aluminum tubing with an 1/8" wall thickness thus giving the air discharge scoop the rigidity needed for all run times and loads required. The exterior skin is fastened to the framework using blind rivets spaced on 4" centers. The interior of the plenum is insulated with polyvinylchloride foam with acrylic adhesive. For applications that require a higher heat index, we use a spun fiberglass product covered in .032" perforated aluminum.

The enclosure interior is lined with polyvinylchloride foam with acrylic adhesive on all doors and interior walls adding further sound reduction and sound transmission loss reducing sound averages at certain octave bands an additional 3-5 dB(A).

**BARRIER**

Physical Property	Description Value	Tolerance
Material	Flexible PVC vinyl (polyvinylchloride)	
Color	Charcoal gray	
Weight	1.0lb/sf	0.1lb/sf
Flammability	MVSS-302	
Service Temperature	-40oFto220oF	
Chemical Resistance	Excellent for most acids, mild alkalis, oils and grease	

**POLYESTERFIBERABSORBER**

Physical Property	Description Value	Tolerance
Material	Polyester Fiber	
Thickness	25mm	+/-10%
Color	White	
Density	650g/sm	+/-7%

**FACING**

Physical Property	Description Value
Material	aluminum
Thickness	0.001inch
Color	silver

**ADHESIVE**

Physical Property	Description Value	Tolerance
Type	Unsupported	
Material	Acrylic	
Thickness	0.004inch	+/-0.0003inch

**FIREANDSMOKE-PF-060-40-RA**

Fire/Smoke Standard	Rating
UL-723,ASTME 84	ClassA
Flame Spread Index	5
Smoke Development Index	20

**SOUND TRANSMISSION LOSS ASTM E90 and E413 on 1lb/sfbARRIERonly**

Frequency (Hz)	125	250	500	1000	2000	4000	STC
TL (dB)	17	19	24	29	34	40	28

**ABSORPTION COEFFICIENT AND NRC to ASTM E1050**

Octave (Hz)	125	250	500	1000	2000	4000	STC
Absorbtion Coeff.	0.3	0.72	0.82	0.75	0.79	0.34	0.77

\* sound levels described herein are estimated averages at certain octave bands measured in a free field/lab environment.

**COLOR SWATCHES**

