



JABBOUR POWER SARL



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Weather & Sound Proof Enclosure

JP acoustic enclosures are available for control of noise in all industrial & residential applications



Standard and custom designed enclosures have been developed for diesel driven generators, compressors, pumps, centrifugal fans, gas turbines and machine tools. Many enclosures have also been designed and manufactured for use as industrial noise refuges and offices.



Our experience with enclosure and aerodynamic design is the result of over 25 years of supplying enclosures to manufacturing industry. Each enclosure project is subjected to an individual design study so that the optimum enclosure can be offered.

Optional Models

Special fabricated enclosures are designed and built to individual customer specifications with no restrictions on size.



Fittings include doors, windows, access panels, louvers (acoustic & non acoustic) and attenuators.

Detailed consideration includes:

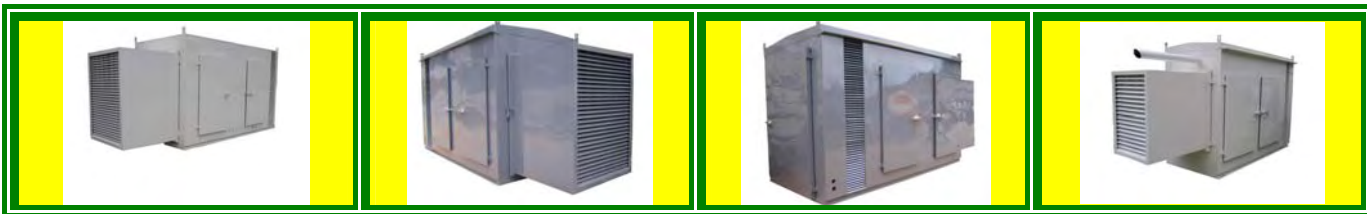
- 1-Airbone noise
- 2-Structural vibration
- 3-noise level to be achieved
- 4-Vibration levels to be achieved
- 5- Ventilation systems
- 6- Machinery maintenance access
- 7-Fire protection
- 8-Simplicity of installation
- 9-Enclosure fittings
- 10-Finish

Normal Enclosure



Enclosure testing:

Acoustic enclosures are used to reduce the noise generated by machines. Prototype tests have been performed to determine the enclosure's acoustic performance when it is in service at the user's plant



General:

Enclosure construction is based on designs, which have been evolved by us to reach the optimum balance between acoustic performance, structural stability, durability, pleasing appearance and economy.

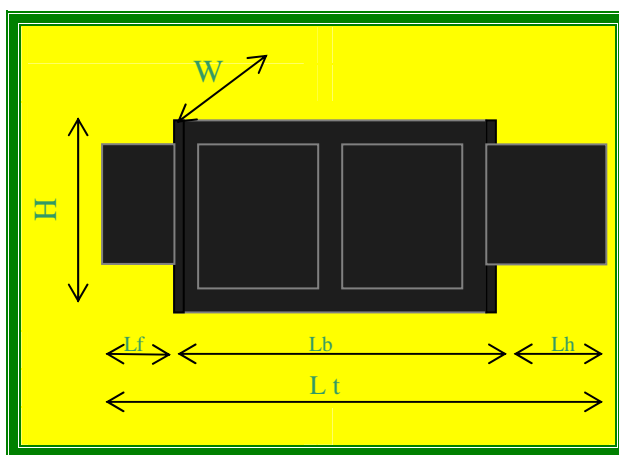
Major features include:

Guaranteed acoustic performance and flexibility of acoustic requirements. Complete size flexibility with either frame or frameless construction. Complete with cooling air attenuators and louvers if required. Comprehensive range of access doors, panels and window to customer specification. Option for demountability. Optional one piece enclosure reducing site installation time to a minimum. Optional electrical equipment, environmental and hazard monitoring control. Factory applied finish to high standard. Standard design range for quick delivery

Max. Dimensions For 60 dBA Enclosure:

Model	Lt	Lb	Lh	Lf	H	W
SPE/P27	325	200	100	25	185	145
SPE/P45	455	245	120	90	185	150
SPE/P65	455	245	120	90	185	150
SPE/P75	455	245	120	90	185	150
SPE/P100	485	275	120	90	200	153
SPE/P110	485	275	120	90	200	153
SPE/P135	510	300	120	90	200	155
SPE/P165	530	320	120	90	230	160
SPE/P200	530	320	120	90	230	160
SPE/P250	530	320	120	90	230	160
SPE/P300	580	360	120	100	240	185
SPE/P350	580	360	120	100	240	185
SPE/P385	580	360	120	100	240	185
SPE/P450	590	370	120	100	280	220
SPE/P500	590	370	120	100	280	220

Dimensions are approximate for indication only, subject to modification during production without prior notice.



Dimensions (in cm) for guide usage only.

Dimensions, design and shape may vary without prior notice during production

Standard fabricated enclosure:

The outdoor soundproofing canopy is manufactured with reinforced sheets of steel electrowelded and painted. The lockable-hinged access doors are mounted along the enclosure to allow the best accessibility to the machine for the inspection, maintenance and repair. The cover is insulated with certified high-density insulated material retained with a superficial perforated sheet to steel. The air intake and outlet attenuators (with weather louvers) are designed for optimum acoustic performance and minimum pressure loss. Special muffler is offered depending on each application and normally installed inside the enclosure. All the cover is mounted on a rigid U-beam base frame.

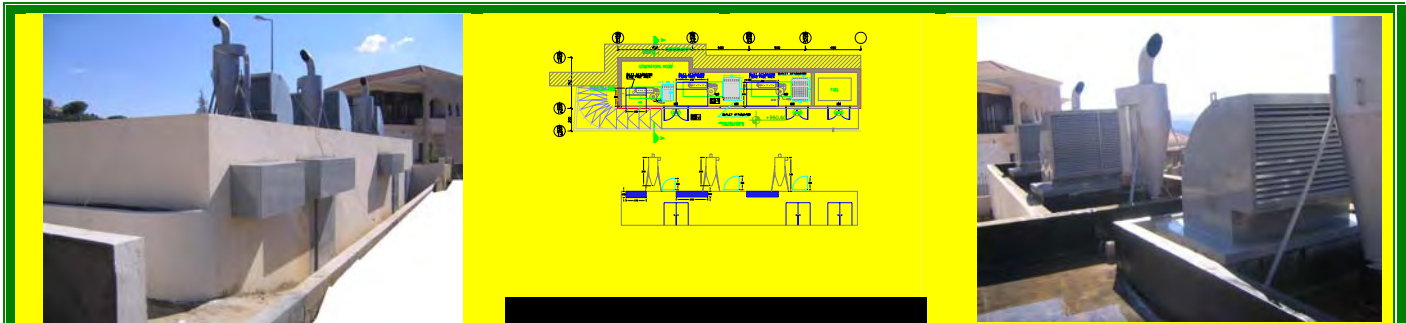
Features:

- Black sheet of steel $\geq 1.5 - 3$ mm thickness.
- Insulation material (fiber glass, rock mineral wool) density $\geq 30 - 80$ kg/m³.
- Perforated sheet of steel $\geq 7/10$ thicknesses.
- Seal for doors and attenuators.
- Insulated residential or critical muffler.
- Rectangular attenuators comprise baffle or splitter elements in metalwork casing.
- Hinged lockable access doors (zinc chromate locks).
- Conical (with gutters) or flat roof.
- Painted with anti-rust & final industrial polyurethane coat (standard JP color).
- Overall sound level 60 - 78 dBA detected at 1 - 5 meters (from the middle side of the enclosure length) in open air depending on type, design and quality of enclosure.

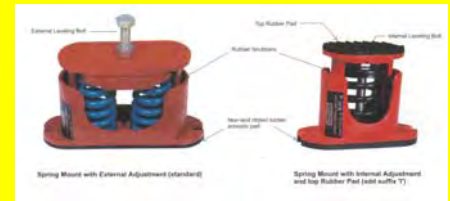




Room sound treatment



- 1- Adequate openings with attenuator baffles for fresh air inlet
- 2- Attenuator baffles for hot air discharge
- 3- Duct system and canvas
- 4- Residential muffler (Hospitalization grade as option)
- 5- Flexible
- 6- Lockable insulated doors
- 7- Wall and ceiling insulation as option
- 8- Cyclone filter as option
- 9- Anti Vibration Mounts (AVM) spring type as option



Residential muffler



Hot air & exhaust outlets



Cyclone filter



Elbow for hot air discharge



Hot / Fresh air attenuators



Duct system



Wall & ceiling insulation



Bellows and elbows

