

Technical Specifications

Current Draw	12 V	24 V
Output power with 13.5V		
with one 11 ohm speaker:	100 W	100 W
with two 11 ohm speakers:	180 W	180 W
Intensity with one 11 ohm speaker:	10 A maximum	5 A maximum
with two 11 ohm speakers:	18 A maximum	8 A maximum
Output voltage:	60 V	60V
Frequencies (depending on siren version)	600- 1350 Hz	
WAIL	12 cycles per minute	
YELP	180 cycles per minute	
BITONAL	450 - 600Hz	
Harmonic distortion	0,87% (35 W, 100 Hz)	
Passing band +/- 3 dB	90 Hz - 28,000 Hz	
Radio signal level	2,5 V maximum	
Intensity of auxiliary outputs		
Lights relay	10 A maximum	
Auxiliary relay	1 A maximum	
Operating temperatures	-30°C - +50°C	
Shipping weight	1300 gr (each siren)	
Amplifier dimensions	55 x 135 x 170 mm	

FEDHORN System

Electronic Sirens System



HOW TO ORDER

Select option from the following list:

Sirens

Voltage **Version** **Public Address**
 12V 24V Country Public address kit

Speakers

AL-252 AL-257 ES100

Control head

BCT2000 BCT500-CB

Control head connectors

Kit 8299753 (necessary when there is no lightbars on the system).

FEDHORN System

Federal Signal Vama presents the new **Electronic Sirens System FEDHORN**, with horn sound.

HORN SOUND: Two synchronized sirens connected to two 100W speakers reproduce the sound of horn by electronic technology.

EASY INSTALLATION: Compact and modular system with an easy fitting into the vehicle, taking advantage of every space inside it.

EASY MAINTENANCE: Elimination of maintenance cost associated to oil compressor and air membranes systems due to use of a fully electronic system.

FLEXIBILITY: Specific configuration for different countries.

PUBLIC ADDRESS OPTION: Remote microphone connection.

DAY/NIGHT: An internal sound damping assure a sound reduction during the night.

CANBUS: Communication System between lights, sirens and controller head. This system minimizes wiring installation and allows controlling all the elements by a single remote control.

MAIN FEATURES

System composed by two electronic synchronized sirens (master/slave) connected to two 100W speakers synchronized too. All the equipment is controlled by a CAN BUS control head (*).

- Siren tone change through horn activation.
- Lamp failure detection.
- Relay outputs for priority lights.
- Relay output for tachograph.
- Easy to install mounting bracket for amplifier.
- Standard sound functions: wail, yelp and two-tones.
- Specific configurations for different countries.
- Small size and easy installation.
- Available in 12V and 24V.

* CANBUS control head selected will establish the different functions.

Approvals:

Comply with the European Directive 2004/104/CE on Electromagnetic Compatibility.

European Standard sounds (Germany TUV certified, Italy, France, etc.)

SPEAKERS

- AL-252, 100W Speaker with round horn and metallic brackets.
- AL-257, 100W Speaker with rectangular horn and driver housing. Available in white.
- ES100, 100W Compact speaker.

FEDHORN System



AL-252



AL-257



ES100