



JREX-HSA explosion-proof loudspeaker is an explosion-proof horn loudspeaker suitable for inflammable and explosive places. It can be used with various power amplifiers and sound amplification equipment. It can also be used for IP equipment access systems for amplification calls or alarms. The sound transmission part of the equipment adopts the most advanced stainless steel wire mesh explosion-proof component in China. The component has the characteristics of low sound attenuation, large flow capacity, high mechanical strength, and large explosion-proof safety factor.

It is suitable for inflammable and explosive places in the petroleum, chemical, textile, military, electric power, metallurgy, pharmaceutical and other industries, and is used as a terminal device for production scheduling, communication, and fire broadcasting.

Explosion-proof standard (ATEX and IECEx)

II 2GD

Ex db IIC T6/T5 Gb

Ex tb IIIC T80°C/T95°C Db

Features



- Explosion proof speaker designed and approved by ATEX, IECEx, CE, FCC and RoHs standards
- Material: Anti-static ABS for housing, stainless steel for base and fixing bracket
- Rated resistance or Constant voltage type for speakers (Optional)
- Weather proof rating for IP66
- Wall mounted for installation
- Operation temperature: -40°C ~ +65°C

Technical Parameters

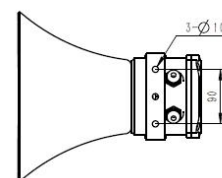
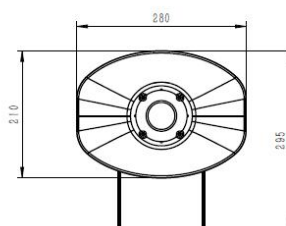
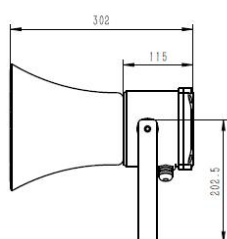
SIP		Analog	
Power supply	POE / DC12V	Constant voltage: AC70V/AC110V: 8.5W, 17.5W, 35W	Constant impedance: 8Ω: 15W, 20W, 25W, 30W, 35W
Power	15W, 20W, 25W, 30W, 35W		
Impedance	8Ω		
Effective frequency range	250Hz~5000Hz	Effective frequency range	250Hz~15000Hz
Sound level	105~115dB	Sound level	110~120dB
Relative humidity	≤95% without condensation	Relative humidity	≤95% without condensation
Atmospheric pressure	80kPa~110kPa	Atmospheric pressure	80kPa~110kPa
Outlet thread	M20*1.5	Outlet thread	M20*1.5

Product dimensions:

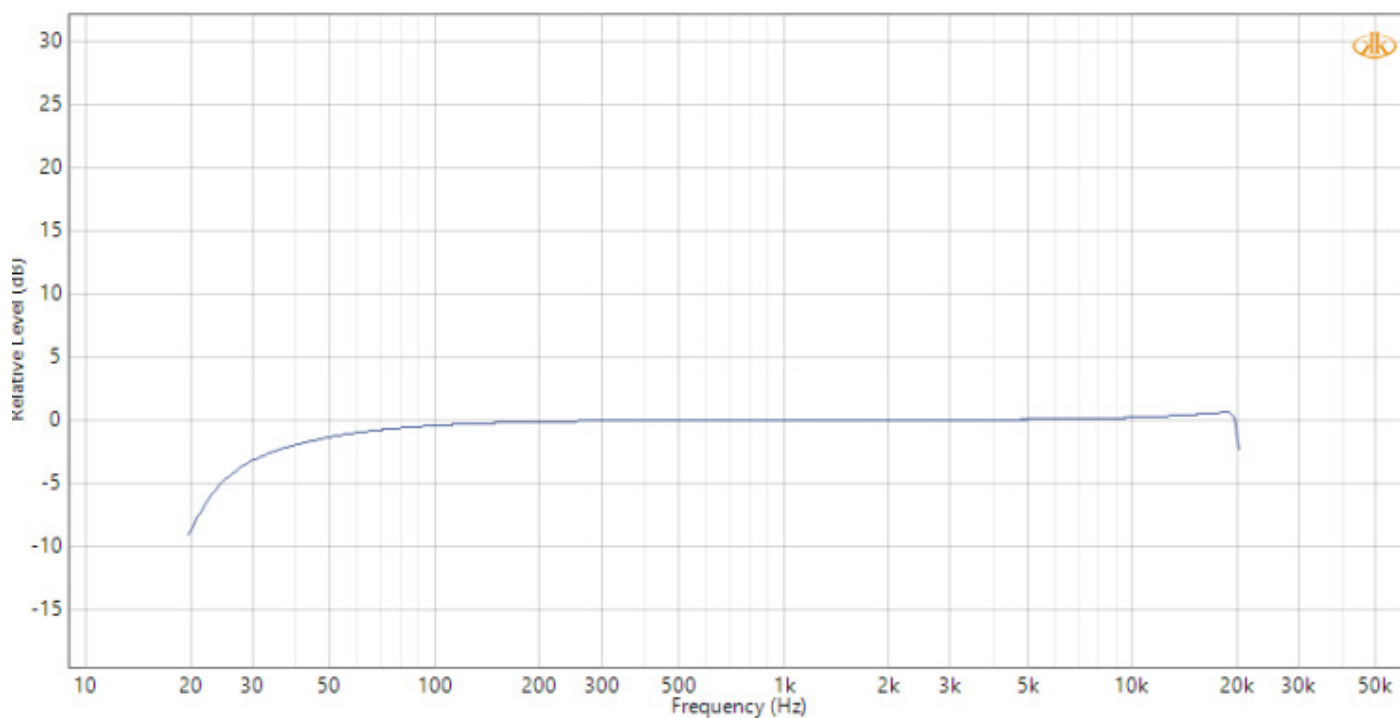
302 × 280 × 295 mm (L × W × H)

Packaging material:

EPE foam lining + carton box



Frequency Response



Model Specifications

JREX-HSA-aa

aa=Power

01:15W

02:20W

03:25W

04:30W

05:35W

A1: 8.5W/17.5W, 70V Constant Voltage

A2: 17.5W/35W, 110V Constant Voltage

P: 15~35W, VOIP

Explosion proof products

Model	Electrical parameters	Temperature class	Ambient temperature
JREX-HSA-A1	RV: 70V, RW: 8.5W/17.5W	T6	(-40℃ ~ 60℃)
JREX-HSA-A2	RV: 110V, RW:17.5W/35W	T6	(-40℃ ~ 44℃)
		T5	(-40℃ ~ 59℃)
JREX-HSA-01	RR: 8Ω, RW: 15W	T6	(-40℃ ~ 50℃)
		T5	(-40℃ ~ 65℃)
JREX-HSA-02	RR: 8Ω, RW: 20W	T6	(-40℃ ~ 50℃)
		T5	(-40℃ ~ 65℃)
JREX-HSA-03	RR: 8Ω, RW: 25W	T6	(-40℃ ~ 45℃)
		T5	(-40℃ ~ 60℃)
JREX-HSA-04	RR: 8Ω, RW: 30W	T6	(-40℃ ~ 42℃)
		T5	(-40℃ ~ 57℃)
JREX-HSA-05	RR: 8Ω, RW: 35W	T5	(-40℃ ~ 50℃)
JREX-HSA-P	RR: 8Ω, RW: 15W~35W	T6	(-40℃ ~ 45℃)
		T6	(-40℃ ~ 60℃)

Label


J&R TECHNOLOGY LIMITED

Model number:JREX-HSA-X
Serial No. :JRXXXXXXX


Ex

Ex db IIC T6/T5 Gb
Ex tb IIIC T80℃/T95℃ Db
II2GD IECEx CSA 25.0050X., CSANe 25ATEX1091X
T6/T80℃ : -40℃≤ Ta ≤+X℃
T5/T95℃ : -40℃≤ Ta ≤+X℃
RR:8Ω RP:XX W RV:XX V

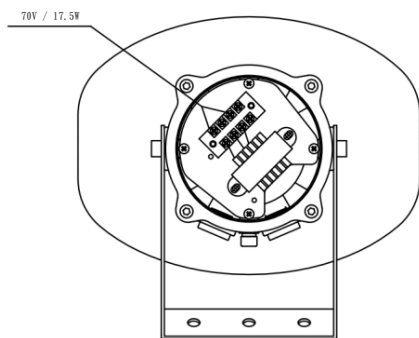

2813

IP66

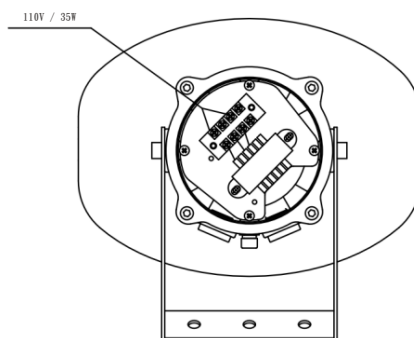
⚠ DO NOT OPEN WHEN AN EXPLOSIVE ATMOSPHERE IS PRESENT
DO NOT OPEN WHEN ENERGIZED
POTENTIAL ELECTROSTATIC CHARGING HAZARD-SEE INSTRUCTION
SEE INSTALLATION INSTRUCTION DOCUMENTS

Room 404/601, Unit 1, No.3 Xingyi Road, Baishixia East, Fuyong Street, Baoan District, Shenzhen, China

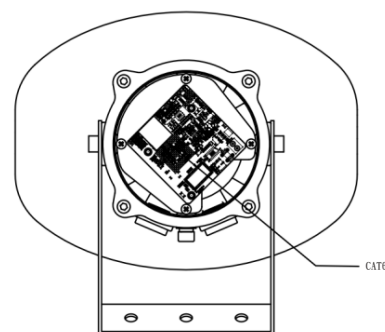
Electronic Diagrams



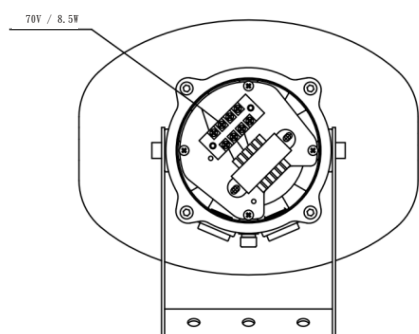
Constant Voltage Speaker



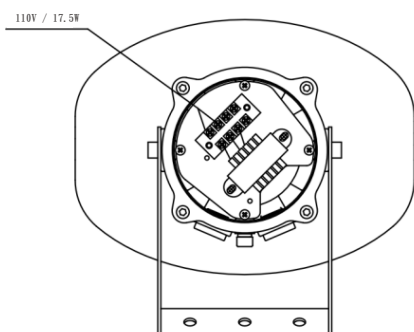
Constant Voltage Speaker



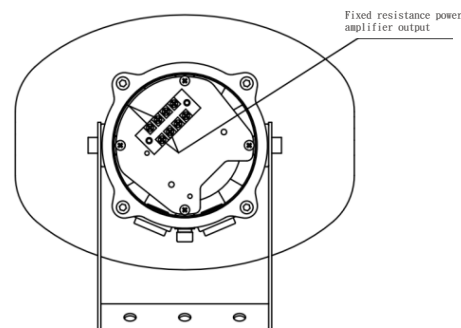
SIP Speaker



Constant Voltage Speaker



Constant Voltage Speaker



Rated Resistance Speaker

Instruction for installation, operation and maintenance

- Remove the back cover with four screws, lead the cables through the cable gland and connect to the terminals with the required tapping size.
- After each removal of the back cover, check that the gasket is properly mounted on the back cover before refitting it.
- Do not use any lubricants on the gasket.
- Screw the back cover back into place with four screws, torque 1.8Nm to ensure IP protection.
- If the position of the loudspeaker needs to be adjusted, adjust the standard U-bracket as required (by loosening/tightening the screws).
- Only use IECEx/ATEX certified "Ex eb" cable glands and blind plugs with the same IP protection and temperature range as the loudspeaker.
- Standard models are equipped with two M20*1.5 Ex certified metal blind plugs.
- For optimal performance, always use the correct voltage/power and operate within the specified frequency range.
- Do not open the loudspeaker when power is applied.
- This loudspeaker is covered by a two-year warranty against non-human damages.

