

Signalling devices

STAHL

Audible signalling device Loudspeaker

In flameproof enclosure Increased safety

8494/C-S-EN-ST-13-00 Art. No. 242301



- Loudspeaker: Directional/max. 121 dB(A)
- Type of protection: Ex d with Ex e connection chamber
- Class: IP66/67 (IEC 60529)
- Corrosion-resistant polyamide enclosure
- Including stainless steel fixings

MY R. STAHL 8494A



The **8494 product series** is a range of 25 W or 15 W loudspeakers designed for use in hazardous and harsh environments. These are unique as they are constructed using antistatic polyamide which provides a lightweight, robust, corrosion-resistant enclosure. For ultimate flexibility, wattage, impedance and transformer variants with 25, 15, 6.5, 5, 2.5 and 1.5 W connections are available. The variant with the short trumpet comes in a compact enclosure and provides wide sound distribution.

The variant with the long trumpet provides an increased sound pressure level and improved audibility.

Technical Data

Explosion Protection

Area of application	IECEX European Union (ATEX) USA Canada
Application range (zones)	1, 2, 21, 22
IECEX gas certificate	IECEX PRE 14.0058X
IECEX gas explosion protection	Ex de mb IIC T4 Gb
IECEX dust certificate	IECEX PRE 14.0058X
IECEX dust explosion protection	Ex tb IIIC T105 °C Db
ATEX gas certificate	PRE 14ATEX 5555X
ATEX gas explosion protection	Ex II 2 G Ex de mb IIC T4 Gb
ATEX dust certificate	PRE 14ATEX 5555X
ATEX dust explosion protection	Ex II 2 D Ex tb IIIC T105 °C Db
Certificates	ATEX (PRE), Canada / USA (LC), IECEX (PRE)

Electrical Data

Power	25 W
Impedance	20 Ω
Frequency range	450 – 6000 Hz

Acoustic Data

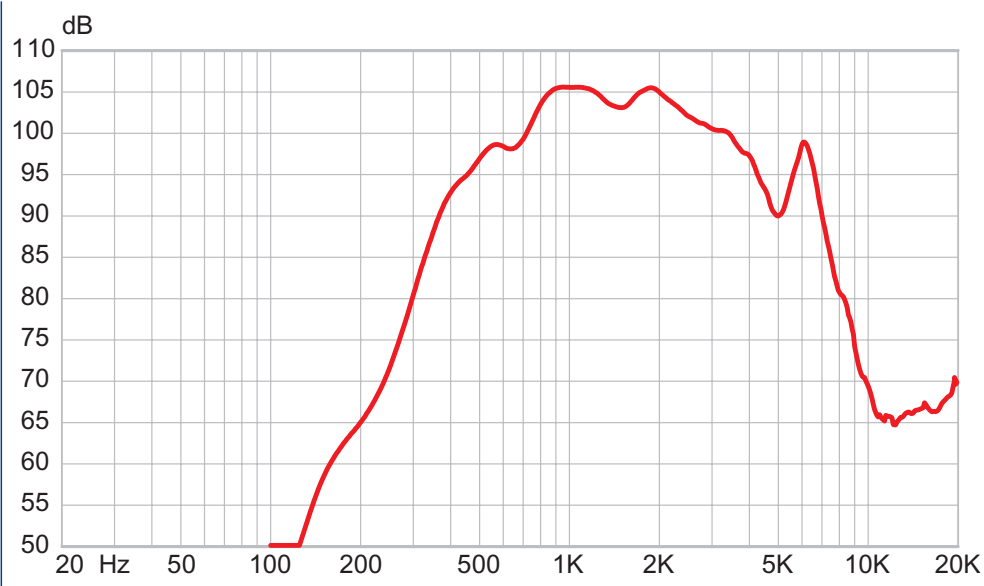
Sound pressure level	max. 115 dB(A) @ 1 m
----------------------	----------------------

Signalling devices



Audible signalling device Loudspeaker
In flameproof enclosure Increased safety
8494/C-S-EN-ST-13-00 Art. No. 242301

Sound pressure level vs frequency at
1 W



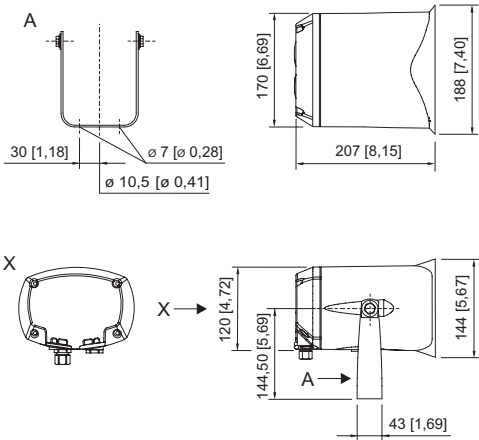
Ambient Conditions	
Ambient temperature	-50 °C ... +60 °C
Mechanical Data	
Degree of protection (IP) (IEC 60529)	IP66/IP67
Enclosure material	Polyamide, antistatic
Enclosure colour	Black
Trumpet material	Polyamide, antistatic
Max. solid connection terminals	4 mm²
Max. finely stranded connection terminals	4 mm²
Width	188 mm
Height	144 mm
Length	207 mm
Flare size	Short trumpet
Weight	2.2 kg
Weight	4.85 lb
Mounting / Installation	
Connection type	Spring clamp terminal
Mounting part material	Polyamide, antistatic
Note about mounting	Pre-mounted
Components	
Drilled holes	2 x M20
Cable glands and entries	can be ordered as an accessory
Stopping plugs	2 x dust cap

Signalling devices



Audible signalling device Loudspeaker
In flameproof enclosure Increased safety
8494/C-S-EN-ST-13-00 Art. No. 242301

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations



Hazardous area loudspeaker – short trumpet
Bracket (A) supplied as standard

Accessories

Plastic cable gland		Art. No.
	8161/7-M20-1304, Ex e Plastic, M20 x 1.5, cable outer diameter 4 to 13 mm Lot size 50 pieces	239156
Stopping plug		Art. No.
	8290/3-M20 Plastic, M20 x 1.5 Lot size 1 piece	143522
	8290/3-M20 Plastic, M20 x 1.5 Lot size 100 pieces	285773

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.