

2131000700

TT-1020

Tunnel Horn Loudspeaker



- Tunnel horn loudspeaker ideal for road and long projection applications
- Intelligibility at very high output levels
- Consistent controlled directivity and low distortion
- High efficiency and high power capacity
- Highly resistant to harsh environments

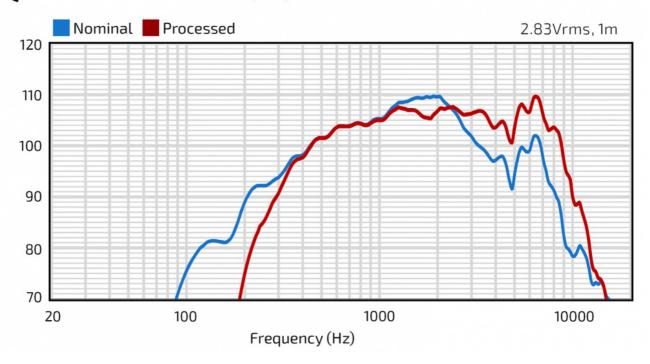
DESCRIPTION

The TT-1020 tunnel horn loudspeaker is designed to provide consistent intelligible emergency notification for enclosed linear spaces and other long projection applications. Precise pattern control and very narrow coverage angles deliver outstanding performance in highly reverberant environments such as road tunnels.

To meet the performance goals for long projection emergency notification, the system utilizes a single high power purpose-built MF transducer, ensuring accurate signal reproduction and very low distortion. Our proprietary 2" (51 mm) exit compression driver delivers high intelligibility at elevated sound pressure levels necessary to overcome the high ambient noise and reflected acoustic conditions. This makes the TT-1020 tunnel horn loudspeaker ideal for road or rolling stock tunnels and similar acoustically challenging environments. The large-format waveguide ensures precision directivity control throughout the entire voice band.

Both the driver's inert materials composition and horn's fiberglass construction make the entire device resistant to potentially caustic tunnel-type environments. All external hardware and mounting brackets are 316 stainless steel.

FREQUENCY RESPONSE (dB)



SPECIFICATIONS

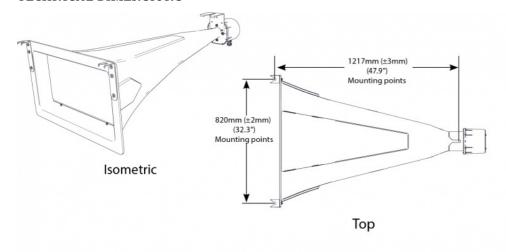
AUDIO

AUDIO	
Operating mode	100V
Operating range	300 Hz to 9 kHz
Nominal beamwidth (H x V)	40° x 30° (1000 Hz to 8 kHz)
Transducers	24 mm x 51 mm exit compression, non metallic diaphragm ferrofluid-cooled driver
Transformer taps	50 watt, 100 watt
Sensitivity (1W / 1m)	114 dB nominal, 113 dB with EQ
Max power output	134 dB nominal, 133 dB with EQ

CONSTRUCTION

Included accessories	Mounting bracket (2 front and 1 in back).
Operating Temperature	-5°C – 55°C [23°F – 131°F]
IP grade	IP65 per IEC 60529
Material	Hand-laminated multilayer fiberglass with black gelcoat on exterior surfaces
Weight	24 kg (53 lbs) including the mounting brackets
Dimension	HxWxD 483 x 876 x 1370 mm (19.0" x 34.5" x 53.9")

TECHNICAL DIMENSIONS



H x W x D 483 x 877 x 1362 mm (19.0" x 34.5" x 53.6")

Unit Weight 53 lbs (24 kg) loudspeaker and mounting brackets

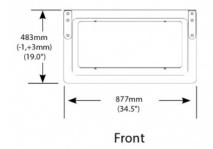
Shipping Weight 158 lbs (71.7 kg) Shipped in pairs

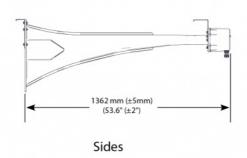
Enclosure / Finish Loudspeaker: Hand-laminated multilayer

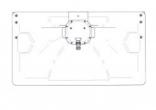
fiberglass with black gelcoat on exterior surfaces

irille

Powder-coated perforated 316 stainless steel backed with hydrophobic (treated) acoustic fabric







Rear

Note: Tunnel horn is shown with the mounting brackets. Overall horn width and height may vary slightly due to fiberglass application thickness.

Created: 23.05.2017, updated: 24.08.2021

page 3/4

www.zenitel.com

info@zenitel.com

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

Created: 23.05.2017, updated: 24.08.2021 page 4/4 www.zenitel.com info@zenitel.com Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice. ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.