



Community[®]
PROFESSIONAL LOUDSPEAKERS

Tunnel Solutions

Intelligible Emergency Notification



TT-1020

Tunnel Solutions from the Leaders in Outdoor Sound

Intelligible Emergency Notification

for tunnels and enclosed linear spaces



The acoustic conditions within road tunnels are extremely challenging — highly reflective surfaces and very high background noise levels. Exhaust gases, road treatment chemicals, and fluctuations in moisture levels also contribute to a difficult and corrosive environment for the equipment.

These conditions require a loudspeaker that projects highly focused sound directed toward the intended listening plane as much as possible, while still being incredibly durable. The Community TT-1020 road tunnel horn has been specifically designed with these factors in mind.

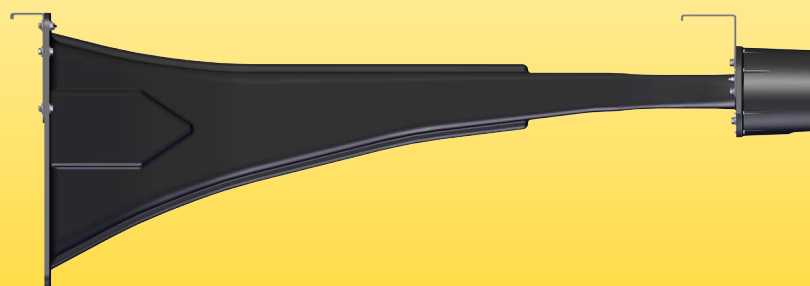
*Consistent
controlled directivity
and low distortion*

*Highly resistant to
caustic environments*

The TT-1020 utilizes optimized horn geometry and a special version of Community's proprietary M200 high power voice band driver, engineered to provide accurate signal reproduction with very low distortion. This results in high intelligibility at the elevated sound pressure levels necessary to overcome the high ambient noise and challenging acoustic conditions of road tunnels.

The driver's inert materials, combined with the horn's fire-resistant fiberglass construction and 316 stainless steel external hardware, make the entire device resistant to potentially caustic environments. The TT-1020 has an IEC 60529 IP66 rating and IEC 60695-11-10:2013 V-0 classification. Customers can order the 100V system configured for 50W or 100W operation.

TT-1020



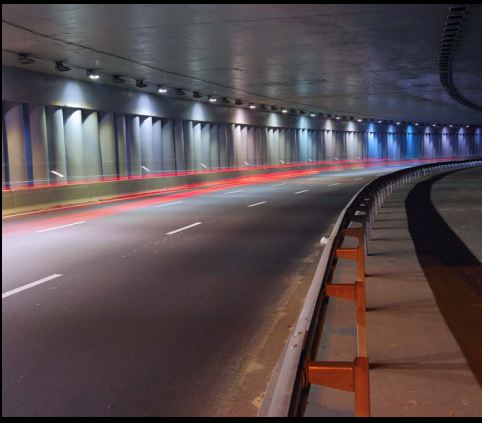
Specifically designed for road tunnel and similar applications

Reliable performance and longer life in demanding environments

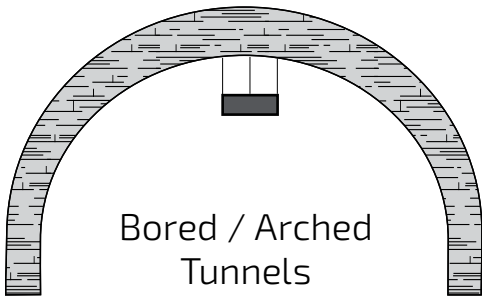
Low distortion voice band driver

Durable fire-resistant fiberglass construction

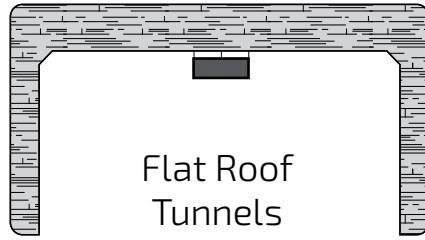
Easy to install and maintain, resulting in lower labor costs



Install in



Bored / Arched
Tunnels



Flat Roof
Tunnels

Mount level and parallel with the road surface.

Versatile mounting options, not limited to boundary mounting.



Signal output faces oncoming traffic.

Spacing determined by tunnel geometry and acoustics.



M200T

Purpose-Designed Voice Band Driver

High temperature non-metallic diaphragm

Extremely resistant to corrosive environments

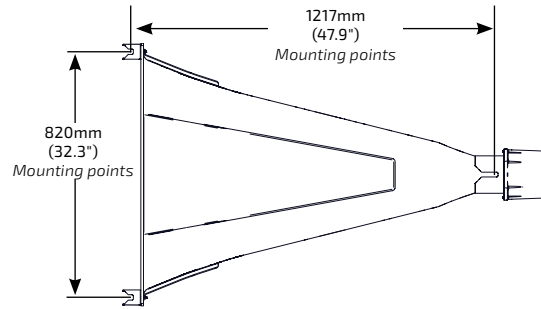
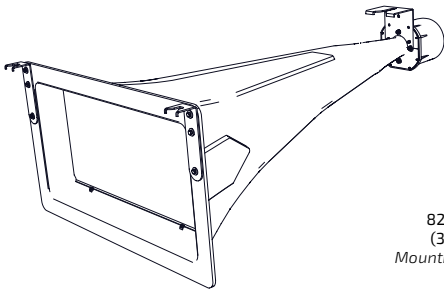
More suitable mechanical and electrical capabilities than high frequency compression drivers





Community®

TT-1020 PHYSICAL INFORMATION



Top

H x W x D

483 x 877 x 1362 mm
(19.0" x 34.5" x 53.6")

Unit Weight

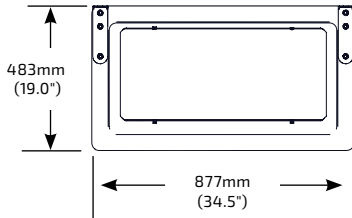
24 kg (53 lbs) loudspeaker and mounting brackets

Enclosure / Finish

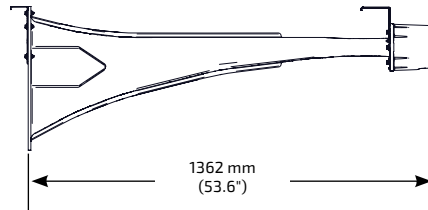
Loudspeaker: Hand-laminated multilayer fiberglass with black gelcoat on exterior surfaces

Grille

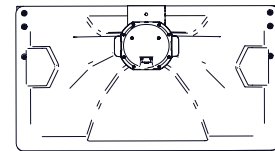
Powder-coated perforated 316 stainless steel backed with hydrophobic (treated) acoustic fabric



Front



Sides



Rear

Note: Tunnel horn is shown with the mounting brackets.