

Product Guide**PA2053** 10W 100V Line IP66 Rated ABS Horn Speaker

PA2053 10W Weatherproof EWIS Horn Speaker

- ✓ Weather resistant
- ✓ UV stabilised ABS construction
- ✓ Superb speech & music reproduction
- ✓ Excellent sound dispersion
- ✓ EWIS line monitoring system compatible
- ✓ Compatible with PA2052 Wurli-Gig™ Speed Fixing Bracket
- ✓ 5 year warranty



Application

The PA2053 has been engineered to meet the stringent requirements of AS1670.4. Its high efficiency, high SPL output provides excellent speech reproduction and sound distribution for both general PA and emergency evacuation use.

Compact yet very efficient with a high SPL of 104dB, 1W @ 1m. This horn speaker is ideal for car parks, plant rooms, industrial plants, schools, train/bus stations and airports etc.

To reduce installation time, use the C 2052 Wurli-Gig Speed Fixing Bracket (see right).

Installation Guidelines

It is supplied with an in-built bipolar capacitor making it compatible with EWIS control systems employing line monitoring circuitry. It is also fitted with a 4 core termination lead to provide connection points for loop in, loop out wiring, as required by Australian Standards.

A screwdriver adjustable switch is provided to select the desired power tapping.

Supplied with nickel plated chrome hardware.

The neutral grey RAL colour of PA2053 provides an architecturally unobtrusive finish to virtually any installation.

About Redback® Speaker Drivers

Each horn speaker has been specifically engineered to ensure a wide frequency range and dispersion angle, plus a high sound pressure level (SPL) ensuring excellent music and speech intelligibility; which is highly desirable.

Redback® drivers exhibit optimum frequency response and efficiency for BGM & paging applications.

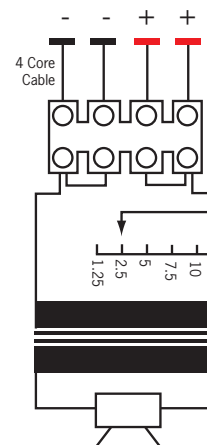
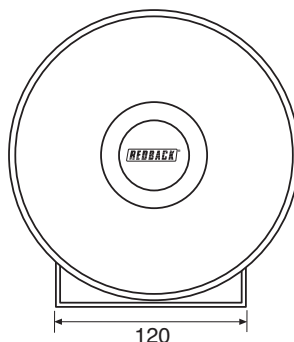
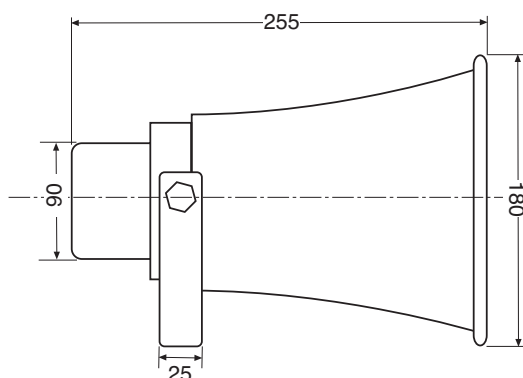
Redback® drivers are subject to strenuous factory testing reducing the risk of unit failure or performance reduction over time.

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Dimensions & Transformer Detail



Specifications

Electrical

Power taps:	1.25, 2.5, 5, 7.5, 10W
SPL 1W @ 1m:	104dB @ 1kHz (+/- 2dB)
SPL Max Tap @ 1m:	114dB @ 1kHz (+/- 2dB)
Frequency response:	340Hz-10kHz
Connection:	4 core fly lead
EWIS line monitoring:	22uF bipolar capacitor fitted
Dispersion angle:	110°

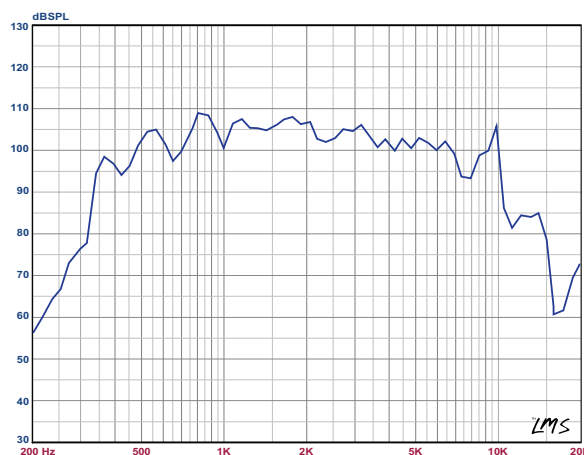
Mechanical

Driver construction:	Aluminium voice coil former
Mounting depth:	275mm
Overall weight:	1.8kg

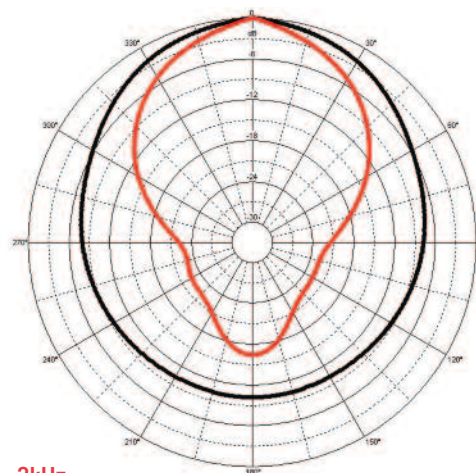
Environmental

Operating temperature:	-20°C to +55°C
Relative humidity:	< 95%

Frequency Response (SPL 1W @ 1m)



Polar Plot (SPL vs Angle)



1kHz 2kHz

Architectural Specifications

The horn speaker shall operate at 100V and have power taps of 10W, 7.5W, 5W, 2.5W and 1.25W. Power settings shall be made by screw driver switch. It shall have SPL of 104 – 114dB. It shall have a frequency response of 340Hz to 10 kHz and a dispersion angle of 110°. It shall have a 22uF bipolar isolation capacitor for line monitoring. The horn will be provided with a four core cable for field wiring connection. Two for the incoming circuit and two for the outgoing circuit.

The speaker body shall be made of ABS and have an IP66 rating. The speaker shall incorporate nickel plated chrom hardware and steel mounting bracket. The horn speaker shall be a REDBACK model PA2053.