

ABS SPHERICAL LOUDSPEAKERS

- **GB20T/EN**
- **GB20T/ENC**

EN54-24



TECHNICAL SPECIFICATIONS

EN54-24:2008

Certificate No: 0359-CPR-00290 TYPE B

ELECTRICAL

Rated power, Watts	20
Tappings 100 volt line, Watts	20/10/5/2.5
Transformer Impedance, Ohms 100V	500/1k/2k/4k
Tappings 70.7 volt line, Watts	10/5/2.5/1.25
Driver impedance, Ohms	8
Effective Frequency Range, Hz (BSEN60268-5)	80-18,000
S.P.L. @ 4m, 1watt, dB, 1/3 Octave, 1KHz	78
S.P.L. @ 1m, 1watt, dB, Test Signal Bandwidth 100Hz-10kHz	97
S.P.L. @ 4m, Full power, dB, 1/3 Octave 1KHz	91
S.P.L. @ 1m, Full power, Test Signal Bandwidth 100Hz-10kHz	110
Dispersion at 1k/2k Hz, Degrees	82/37 Horizontal 90/35 Vertical

ENVIRONMENTAL

IP-Rating	33
Max/Min Amb Temp	70°/-25°C
Relative Humidity	≤95%

MECHANICAL

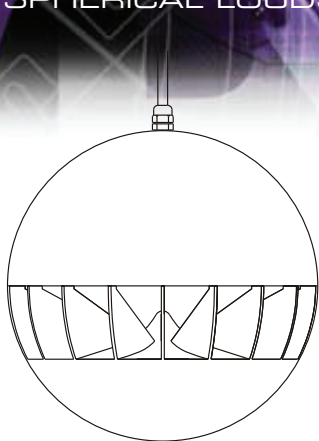
Dimensions, WxHxD mm	254 x 254 x 254
Net Weight, Kgs	2.4
Colour (Unless Specified)	RAL9016
Material	Low smoke zero halogen UL-94V0 Plastic with UV inhibitors
Mounting	Pendant hung

- GB20T/ENC is supplied with capacitor for DC line monitoring
- For UK supply only a 3m cable tail is fitted as standard. We can supply different lengths on request. Because the cable tail is pre-fitted the tapping needs to be specified when ordering otherwise the speaker will be tapped at 10w. **For all other countries** the GB 20T/EN & ENC will **NOT** be supplied with a cable tail.
- Recommended for internal use only

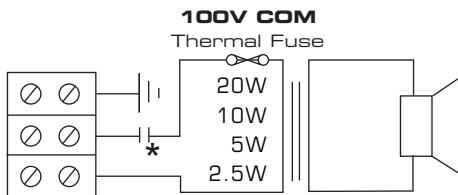
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CIRCUIT DIAGRAM



GB20T/ENC
*with capacitor

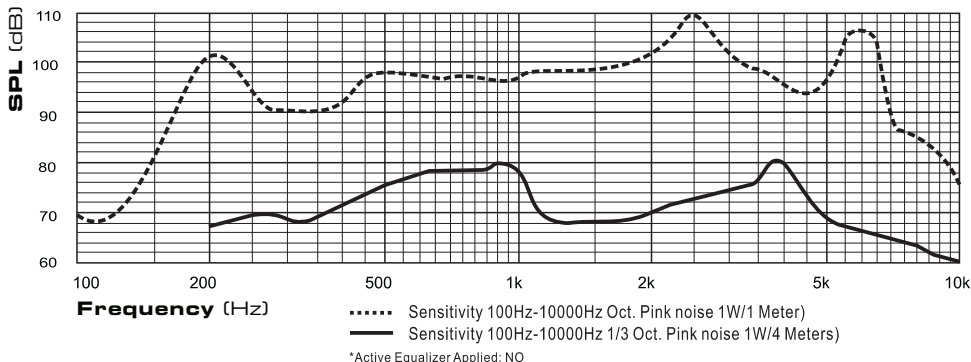
**WITH TRANSFORMER:
100V/70V LINE**

	WHITE WIRE PLUS TAPPING				BLACK
	2.5W	5W	10W	20W	
100V	2.5W	5W	10W	20W	COM
70V	1.25W	2.5W	5W	10W	COM
IMP(Ω)	4K	2K	1K	500	

DISPERSION ANGLES

		HORIZONTAL	VERTICAL
1 OCT. PINK NOISE	500 Hz	154°	149°
1 OCT. PINK NOISE	1K Hz	82°	90°
1 OCT. PINK NOISE	2K Hz	37°	35°
1 OCT. PINK NOISE	4K Hz	20°	18°

FREQUENCY RESPONSE



GB20T/EN & GB20T/ENC has been tested in 100 hours max power (10W). The model does not deviate by more than ± 3dB from the original test value. The frequency response curve and impedance complies with the original one. All SPL tests are performed in an anechoic chamber (<70m³)



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