MOULDED CABINET LOUDSPEAKERS

PBC6T/EN
PBC6T/ENC

TECHNICAL SPECIFICATIONS

EN54-24:2008
Certificate No: 0359-CPD-0167 TYPE A

ELECTRICAL

Rated power, Watts	6
Tappings 100 volt line, Watts	6/3/1.5/0.75/0.25
Transformer Impedance, Ohms 100V	1.67k/3.33k/6.66k/13.3k/39.9k
Tappings 70.7 volt line, Watts	3/1.5/0.75/0.375/0.125
Driver impedance, Ohms	8
Effective Frequency Range, Hz (BSEN60268-5)	160-18,000
S.P.L. @ 4m, 1watt, dB,1/3 Octave, 1KHz	70
S.P.L. @ 1m, 1watt, dB, Test Signal Bandwidth 100Hz-10kHz	96
S.P.L. @ 4m, Full power, dB, 1/3 Octave 1KHz	78
S.P.L. @ 1m, Full power, Test Signal Bandwidth 100Hz-10kHz	104
Dispersion at 1k/2k Hz, Degrees	119/100

ENVIRONMENTAL

IP-Rating	21
Max/Min Amb Temp	55°/-10°c
Relative Humidity	≤95%

MECHANICAL

Dimensions, WxHxD mm	330x240x90
Net Weight, Kgs	1.15
Colour (Unless Specified)	RAL 9016
Material	Low smoke zero Halogen UL-94V0 Plastic with UV inhibitors
Mounting	Keyhole and/or screws

- PBC6T/ENC is supplied with capacitor for DC line monitoring

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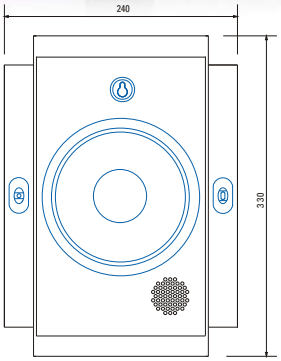
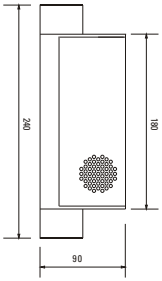
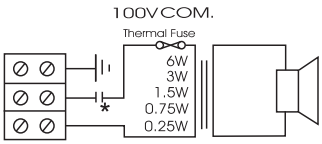




CIRCUIT DIAGRAM



PBC6T/ENC
*with capacitor

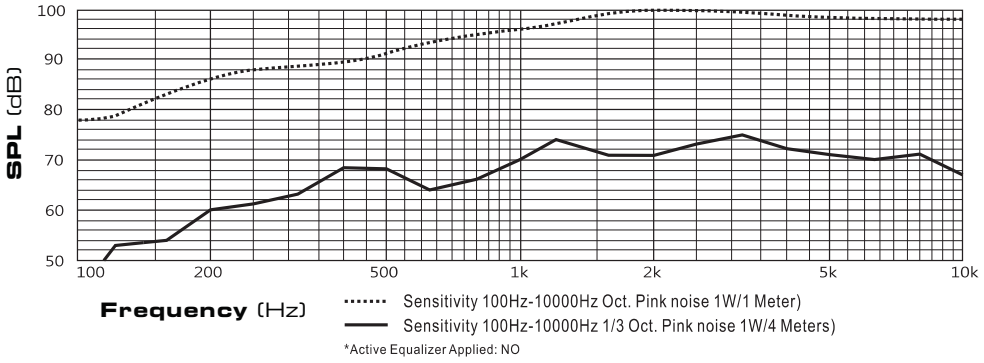
WITH TRANSFORMER: 100V/70V LINE

	WHITE WIRE PLUS TAPPING					BLACK
100V	0.25W	0.75W	1.5W	3W	6W	COM
70V	0.125W	0.375W	0.75W	1.5W	3W	COM
IMP(Ω)	39.9k	13.3k	6.66k	3.33k	1.67k	

DISPERSION ANGLES

		HORIZONTAL	VERTICAL
1 OCT.PINK NOISE	500 Hz	218°	186°
1 OCT.PINK NOISE	1K Hz	119°	77°
1 OCT.PINK NOISE	2K Hz	100°	99°
1 OCT.PINK NOISE	4K Hz	67°	58°

FREQUENCY RESPONSE



*Active Equalizer Applied: NO

PBC6T/EN and PBC6T/ENC have been tested in 100 hours max power (6W). 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)

PENTON

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RoHS CE