

ペント
PENTON

PT 10/T | PT 20/T | PT 30/T | MSH 30/T

ホーンスピーカー



PH 10/T

¥15,100



PH 20/T

¥20,800



PH 30/T

¥25,800



MSH 30/T

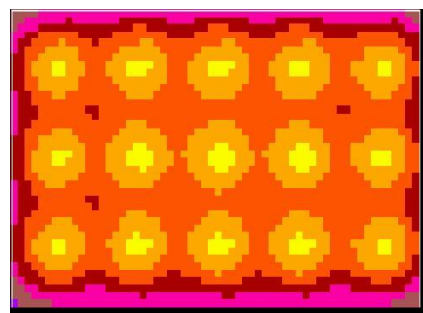
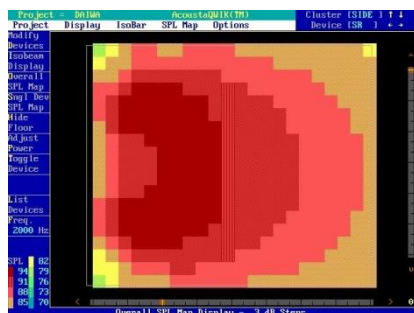
¥61,800

標準小売価格は 2014 年 5 月 1 日現在 消費税は含んでおりません

- エクスポーネンシャル曲線を備えたサウンドの透過性に優れたホン・スピーカーシステムです。
- 100V/70.0 ボルトの定電圧伝送(ハイ・インピーダンス)トランスを内蔵しています。
- 紫外線対策(UV)がなされた ABS 樹脂エンクロージャーを使っています。
- **MSG 30/T** 以外は錆びに強いステンレス製 U ブラケットが取り付けられています。
- 全天候仕様で、直接水がかかっても問題はありません。
- 取り付け用ブラケットは、防錆性に優れたステンレス鋼またはアルミニウムを使用しています。

		PH 10/T	PH 20/T	PH 30/T	MSH 30/T
定格入力		10 W	20 W	30 W	30 W
100V タップ		10/5/2.5/1.25W	20/10/5/2.5W	30/15/7.5/3.75W	30/15/7.5/3.75W
ドライバー インピーダンス		20 Ω	20 Ω	20 Ω	8 Ω
周波数特性		400-8,000Hz	250-8,000Hz	330-8,000Hz	70-16,500
能率(1m/1W)		97	101	103	99
最大出力		107	114	118	114
指向 角度	1kHz	180°	130°	110°	70° (水平), 110° (垂直)
	2kHz	110°	70°	70°	120° (水平), 110° (垂直)
指向 係数	1kHz	2.8	4.9	6.2	8.5
	2kHz	6.6	13.6	15.1	6.5
寸法	高さ	φ 138mm	φ 203mm	φ 238mm	442mm
	幅				260mm
	奥行	200mm	254mm	287mm	287.5mm
質量		1.3kg	1.7kg	2.3kg	5.5kg
防塵/防水規格		IP56	IP56	IP66	IP66
仕上げ色		灰色 RAL7035			
ホーン材質		ABS 樹脂 紫外線対策[UV 加工]			
U ブラケット材質		ステンレス鋼			アルミニウム

- ☆ 全製品に定電圧伝送(ハイ・インピーダンス)の結線がなされています。
- ☆ 全製品に EASE,CATT 音響シミュレーションデータが用意されています。
- ☆ 弊社にて音響シミュレーション作業を承ります。平面図と立面図をご用意ください。費用は別途お見積りいたします。



音響シミュレーション結果

WEATHERPROOF HORN

Loudspeakers



➤ **PH10/T**

➤ **PH10/TC**

TECHNICAL SPECIFICATIONS

Rated power, Watts	10
Tappings 100 volt line, Watts	10/5/2.5/1.25
Transformer Impedance, Ohms, 100V	1k/2k/4k/8k
Tappings 70.7 volt line, Watts	5/2.5/1.25/0.625
Driver impedance, Ohms	20
Effective frequency range, Hz (BSEN60268-5)	400-8,000
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100Hz-10 kHz	97
S.P.L. @ Full power Octave Bandwidth, dB	107
Acoustic Power (dB-PWL@1 watt) 1 k/2kHz, dB	95/97
Dispersion at 1k/2kHz, Degrees	180/110
Directivity Axial Q factor, 1 k/2kHz	2.8/6.6
Dimensions, front & depth, mm	Ø138 x 200
Net weight, Kgs	1.30
Colour/Finish	Grey RAL7035
Material	ABS plastic housing with UV inhibitors
Mounting	Stainless Steel U Bracket

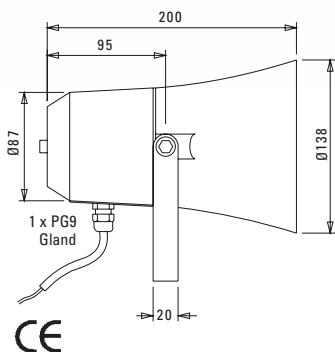
- PH10/TC is BS5839 Part 8 Voice Alarm compliant
- PH10/T Supplied with 300mm 5 core cable
- PH10/TC Fire Rated Cable can be supplied on request

EASE, CATT, ULYSSES and Architectural specifications are supplied on the disc inserted at the back of this folder
 Manufacturer reserves the right to alter specifications without notice – June 2008

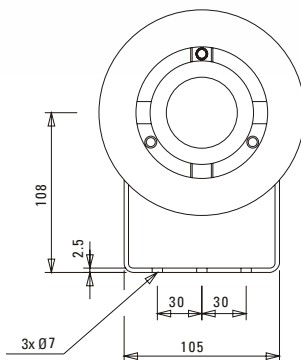
PH10/T PH10/TC

WEATHERPROOF HORN LOUDSPEAKERS

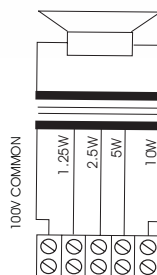
side view unit: mm



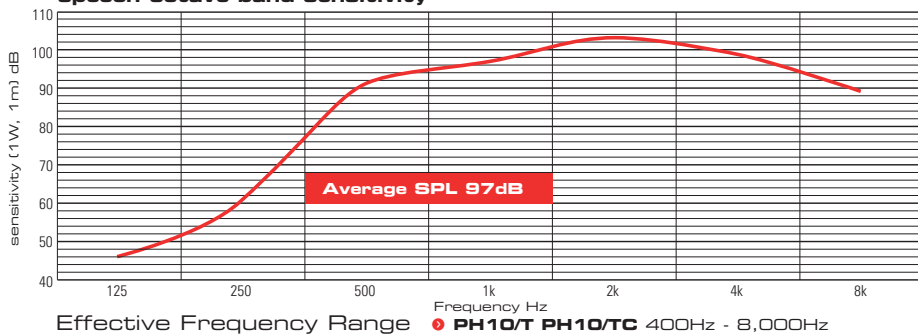
front view unit: mm



circuit diagram PH10/T



speech octave band sensitivity



Penton UK Ltd

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www.penton.org

WEATHERPROOF HORN

Loudspeakers



➤ **PH20/T**

➤ **PH20/TC**

TECHNICAL SPECIFICATIONS

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	20
Effective frequency range, Hz (BSEN60268-5)	250-8,000
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100Hz-10 kHz	101
S.P.L. @ Full power, Octave Bandwidth, dB	114
Acoustic Power (dB-PWL@1 watt) 1 kHz, dB	98/98
Dispersion at 1k/2kHz, Degrees	130/70
Directivity Axial Q factor, 1 k/2kHz	4.9/13.6
Dimensions, front & depth, mm	Ø203 x 254
Net weight, Kgs	1.7
Colour/Finish	Grey RAL7035
Material	ABS plastic housing with UV inhibitors
Mounting	Stainless Steel U Bracket

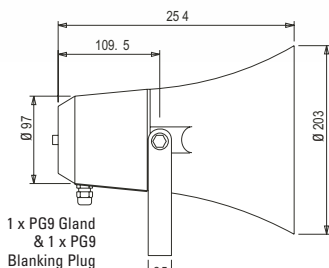
➤ PH20/TC is BS5839 Part 8 Voice Alarm compliant

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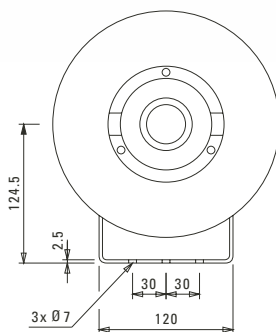
PH20/T PH20/TC

WEATHERPROOF HORN LOUDSPEAKERS

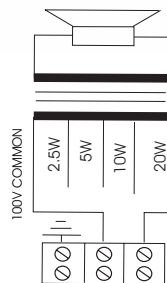
side view
unit: mm



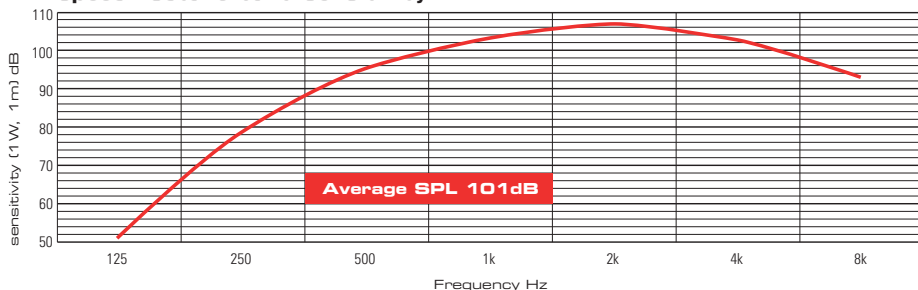
front view
unit: mm



circuit diagram
PH20/T



speech octave band sensitivity



Effective Frequency Range ● PH20/T PH20/TC 250Hz - 8,000Hz



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WEATHERPROOF HORN

Loudspeakers



- **PH30/T**
- **PH30/TC**

TECHNICAL SPECIFICATIONS

Rated power, Watts	30
Tappings 100 volt line, Watts	30/15/7.5/3.75
Transformer Impedance, Ohms, 100V	330/660/1.32k/2.64k
Tappings 70.7 volt line, Watts	15/7.5/3.75/1.875
Driver impedance, Ohms	20
Effective frequency range, Hz (BSEN60268-5)	330-8,000
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100Hz-10 kHz	103
S.P.L. @ Full power Octave Bandwidth, dB	118
Acoustic Power (dB-PWL@1 watt) 1 kHz, dB	101/100
Dispersion at 1k/2kHz, Degrees	110/70
Directivity Axial Q factor, 1 k/2kHz	6.20/15.1
Dimensions, front & depth, mm	Ø238 x 287
Net weight, Kgs	2.30
Colour/Finish	Grey RAL7035
Material	ABS plastic housing with UV inhibitors
Mounting	Stainless Steel U Bracket

- PH30/TC is BS5839 Part 8 Voice Alarm compliant

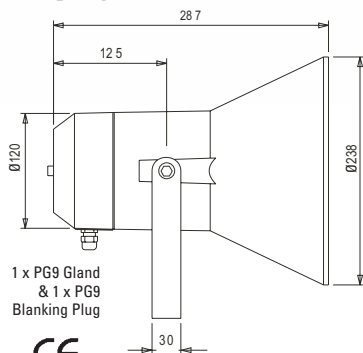
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► PH30/T ► PH30/TC

WEATHERPROOF HORN LOUDSPEAKERS

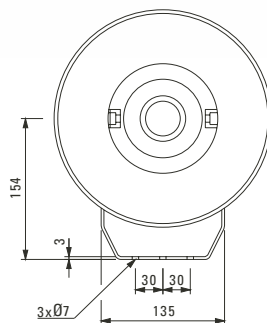
▼ side view

unit: **mm**



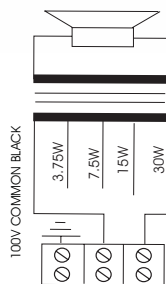
▼ front view

unit: **mm**

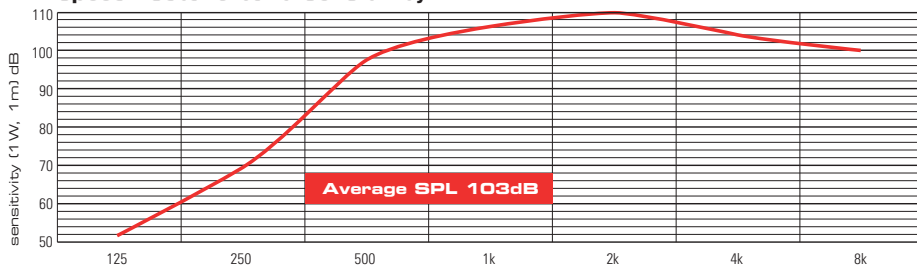


▼ circuit diagram

PH30/T



speech octave band sensitivity



Frequency Hz

Effective Frequency Range ● **PH30/T PH30/TC** 330Hz - 8,000Hz



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MUSIC HORN

Loudspeakers



- **MSH30/T**
- **MSH30/TC**

TECHNICAL SPECIFICATIONS

Rated power, Watts	30
Tappings 100 volt line, Watts	30/15/7.5/3.75
Transformer Impedance, Ohms, 100V	333/667/1.33k/2.66k
Tappings 70.7 volt line, Watts	15/7.5/3.75/1.875
Driver impedance, Ohms	8
Effective frequency range, Hz (BSEN60268-5)	70-16,500
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100Hz-10 kHz	99
S.P.L. @ Full power Octave Bandwidth, dB	114
Acoustic Power (dB-PWL@1 watt) 1 k/2kHz, dB	91/94
Dispersion at 1k/2kHz, Degrees	70/120 (horizontal), 110/110 (vertical)
Directivity Q factor, 1k/2kHz	8.5/6.5
Dimensions, front & depth, mm	442 x 260 x 287.5
Net weight, Kgs	5.5
Colour/Finish	Grey RAL7035
Material	ABS Plastic with UV inhibitors
Mounting	Aluminium U bracket

- MSH30/TC is BS5839 Part 8 voice alarm compliant

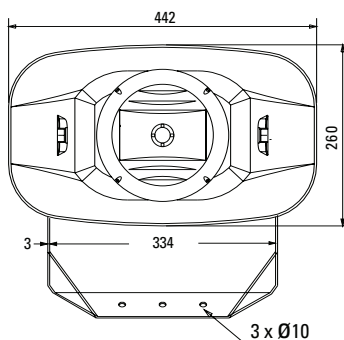
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MSH30/T

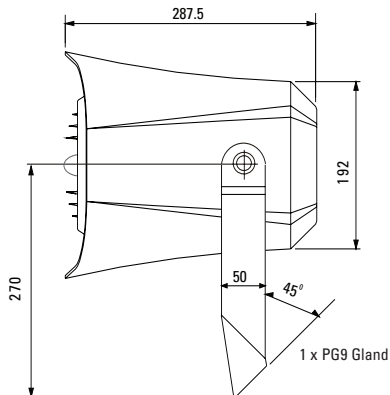
MSH30/TC

MUSIC HORN LOUDSPEAKERS

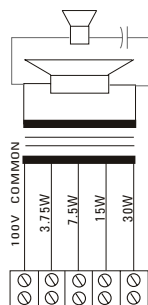
front view
unit: mm



side view
unit: mm

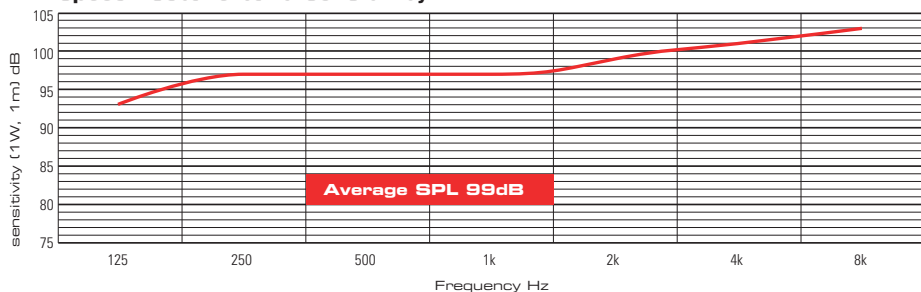


circuit diagram
MSH30/TC



CE

speech octave band sensitivity



Effective Frequency Range **MSH30/T MSH30/TC** 70Hz - 16,500Hz



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