

ML25H PA Horn Loudspeaker

The ML25H 25W PA loudspeaker is suitable for harsh environments with high ambient noise levels. Featuring a high output flare horn generating a maximum SPL of 129dB along with a wide frequency range and exceptional acoustic clarity the ML25H is ideal for all applications requiring wide area notification.

The ML25H features IP66 & IP67 (Type 4/4X) enclosures manufactured from high impact, fire retardant ABS. All models have dual cable entries and large termination areas containing in & out terminals. The 316 stainless steel bracket is ratchet adjustable permitting optimum positioning. Available with 25 and 70V line transformers or in 8 or 16 Ohm low impedance versions. UL & cUL approved for Fire Alarm & Emergency and Professional & Commercial use.

Features

- 129dB(A) @ 1 m at 1.3Khz (Max)
- 120dB +/-3dB @ 25W @ 1m (Rated)
- 106dB +/-3dB @ 1W @ 1m (Pink)
- Rated power: 25 Watts RMS
- Ingress protection IP66/67 Type 4/4X/13/3R
- Large termination area
- Dual M20 or 1/2"NPT cable entries - adaptors available
- Stopping plug included
- 316 (A4) Stainless steel mounting bracket
- Ratchet adjustable 'U' bracket for 360° positioning
- Duplicate cable terminations
- Fire Alarm & Emergency and Professional & Commercial use

Approvals

- All models comply with the following standards:
- UL 1480A (Ed 1)
- CSA C22.2 No. 205 (Ed 3)

- V725 model is also approved to:
- UL 1480 (Ed 6)
- CAN/ULC-541 (Ed 4)



Specification

SPL:	106dB +/-3dB @ 1W @ 1m (Pink) 120dB +/-3dB @ 25W @ 1m (Rated) 129dB(A) @ 1 m at 1.3Khz (Max)
Rated power:	25 Watts RMS
25/70v line tappings:	25W / 12.5W / 6W / 2W / 1W tappings 25V: z=25/50/104.17/156.25/312.5K/625 Ohm 70V: z=196/392/816.67/1.225K/2.45K/4.9K Ohm
100v line tappings:	25W / 12.5W / 6W / 2W tappings z=400/800/1.67K/5K Ohm
Low impedance:	8 Ohm or 16 Ohm
Frequency range:	300Hz to 8000 Hz
DC Line monitoring:	4.7µF Capacitor (Transformer) 470µF Capacitor (Low impedance)
Ingress protection:	IP66 & IP67 (Third party tested) UL50E/NEMA250: 4/4X/3R/13
Enclosure:	High impact UL94 V0 & 5VA FR ABS
Enclosure colour:	Grey and Red
Cable entries:	2 x M20; 1 x M20 & 1 x 1/2"NPT; 2 x 1/2"NPT supplied with blanking plug
Stopping plugs:	Nylon, Brass, Nickel Plated Brass or Stainless Steel
Terminals:	0.5 - 2.5mm ² (20-14 AWG) Duplicated terminals
Operating temp:	-40 to +66°C [-40° to +151°F]
Storage temp:	-40 to +70°C [-40° to +158°F]
Relative humidity:	99% at 20°C [68°F] - tropicalised
MTBF V100/V070/V725:	630.69 years / 5,524,861 hours - MIL 217
MTBF R008/R016:	830.22 years / 7,272,727 hours - MIL 217
Weight:	Line transformer version: 3.35kg/7.4lbs Low impedance: 2.85kg/6.3lbs

Performance data:

Frequency:	Q Factor:	Directivity Index:	SPL 25W @ 1m:
500Hz	5.4	7.3	118.9
1000Hz	5.5	7.4	127.7
2000Hz	10.8	10.4	126.3
4000Hz	8.1	9.1	113.9
8000Hz	6.8	8.3	113.3

Part Codes

Variable:	Identifier:	Description:
Product:	ML25	25W PA Loudspeaker
Horn type:	H	High output flare re-entrant horn
Input:	V100 V725 R008 R016	100V Line 25/70V Line 8 Ohm Low impedance 16 Ohm Low impedance
Cable entries: [e]	A B C	M20x1.5 & 1/2" NPT M20x1.5 & M20x1.5 (Default) 1/2" NPT & 1/2" NPT
Stopping plug/ adaptor material: [m]	N B P S	Nylon Brass Nickel plated brass Stainless steel
Bracket material: [s]	1 3 5	316 (A4) Stainless Steel 316 (A4) Stainless Steel with Equipment tag 316 (A4) Stainless Steel with Equipment tag & Duty label
Product version:	A	UL, cUL, CE
Product option:	1	Standard product
Enclosure colour: [x]	G R	Grey Red
Accessories:		
SP65-0001-A4		Pole Mount Bracket Kit St/St 316 (A4)
SP65-0003-A4		Sunshade - St/St 316 (A4)

