

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)

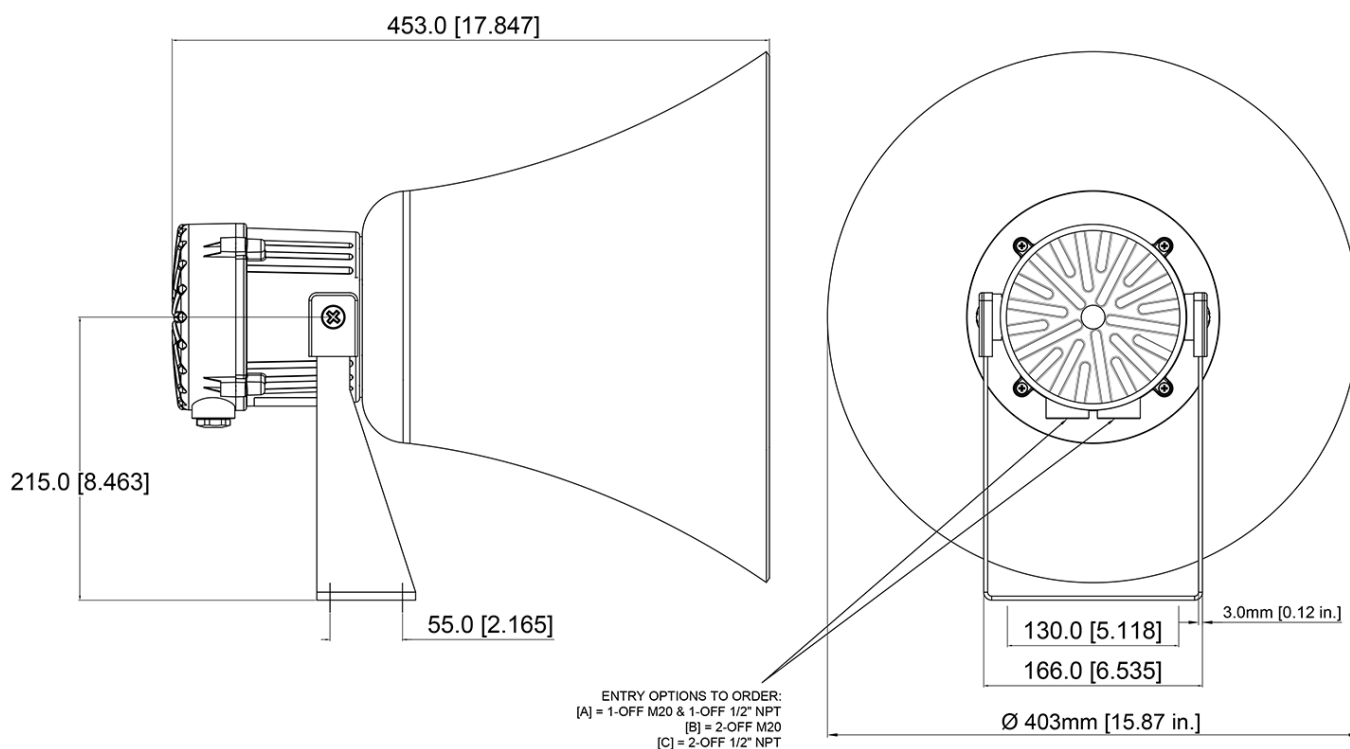


Specification

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 × 1/2"NPT; 2 × 1/2"NPT supplied with blanking plug		
Stopping plugs:	Nylon, Brass, Nickel Plated Brass or Stainless Steel		
Terminals:	0.5 – 2.5mm² (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	100V Line
	V725	25/70V Line
	R008	8 Ohm Low impedance
	R016	16 Ohm Low impedance
Cable entries: [e]	A	M20x1.5 & ½” NPT
	B	M20x1.5 & M20x1.5 (Default)
	C	½” NPT & ½” NPT
Stopping plug/ adaptor material: [m]	N	Nylon
	B	Brass
	P	Nickel plated brass
	S	Stainless steel
Bracket material: [s]	1	316 (A4) Stainless Steel
	3	316 (A4) Stainless Steel with Equipment tag
	5	316 (A4) Stainless Steel with Equipment tag & Duty label
Product version:	A	UL, cUL, CE
Product option:	1	Standard product
Enclosure colour: [x]	G	Grey
	R	Red
Accessories:		
SP65-0001-A4	Pole Mount Bracket Kit St/St 316 (A4)	
SP65-0003-A4	Sunshade – St/St 316 (A4)	



Brooks Equipment • 10926 David Taylor Dr, Suite 300 • Charlotte, NC 28262 • 800.826.3473 (P) • 800.433.9265 (F)

Sales@BrooksEquipment.com • www.BrooksEquipment.com

No liability is accepted for any consequence of the use of this document. The technical specification of this unit is subject to change without notice due to our policy of continual product development. All dimensions are approximate. This unit is sold subject to our standard conditions of sale, a copy of which is available on request.