

ML25F PA Horn Loudspeaker

The ML25F 25W PA loudspeaker is suitable for harsh environments with high ambient noise levels. Generating a maximum SPL of 124dB with a wide frequency range and superior intelligibility the ML25F is ideal for all applications requiring a robust solution for voice notification.

The ML25F features IP66 & IP67 (Type 4/4X) enclosures and re-entrant flare horns 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, 70 and 100V line transformers or in 8 or 16 Ohm low impedance versions. UL & cUL approved for Fire Alarm & Emergency and Professional & Commercial use.

Features

- 124dB(A) @ 1m at 1.3Khz (Max)
- 119dB +/-3dB @ 25W @ 1m (Rated)
- 104dB +/-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)
 - EAC compliant: RU D-GB.GA05.B.12595-20
 - Russian Maritime Register of Shipping
Cert: No. 19.00193.278
 - CSFM listing: 7320-2279:0502
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- V070 & V725 models are also approved to:
 - UL 1480 (Ed 6)
 - CAN/ULC-541 (Ed 4)



Specification

SPL:	104dB +/-3dB @ 1W @ 1m (Pink) 119dB +/-3dB @ 25W @ 1m (Rated) 124dB(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=196/392/816.67/1.225K/2.45K/4.9K Ohm 70V: z=25/50/104.17/156.25K/312.5K/625 Ohm		
70v line tappings:	25W / 12.5W / 6W / 2W tappings z=196/392/816.67/2.45K 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:	2.2µF or 4.7uF 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:	Max: 3.00kg/6.6lbs		
Performance data:			
Frequency:	Q Factor:	Directivity Index:	SPL 25W @ 1m:
500Hz	3.2	5.1	115.1
1000Hz	3.0	4.8	122.5
2000Hz	6.9	8.4	121.6
4000Hz	13.1	11.2	121.3
8000Hz	7.7	8.8	112.6

Part Codes

Variable:	Identifier:	Description:
Product:	ML25	25W PA Loudspeaker
Horn type:	F	Flare re-entrant horn
Input:	V100 V070 V725 R008 R016	100V Line 70V 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, EAC, RMRS
Product option:	1	Standard product
Enclosure: [x]	G R	Grey Red
Accessories:	SP65-0001-A4 SP65-0003-A4	Pole Mount Bracket Kit St/St 316 (A4) Sunshade - St/St 316 (A4)

