



DATA SHEET DS92-01

MUSTANG COMMUNICATIONS LTD

EASTFIELD INDUSTRIAL ESTATE, SCARBOROUGH, ENGLAND YO11 3UT

Telephone +44 (0) 1723 582555, FAX +44 (0) 1723 581673

Web: www.mustang.co.uk

email: service@mustang.co.uk

INDUSTRIAL LOUDSPEAKERS

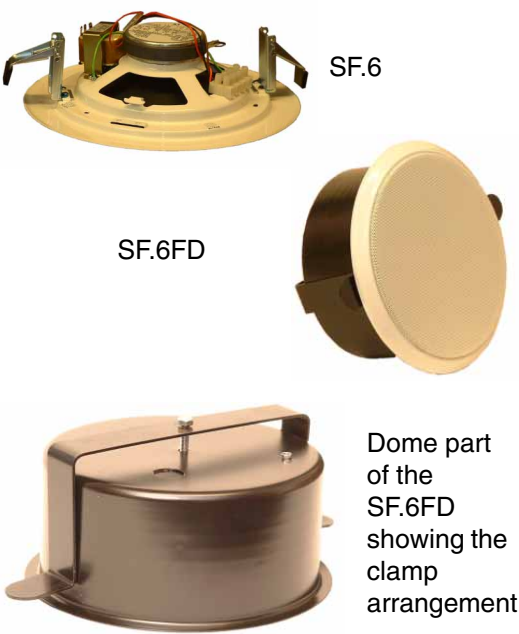


A range of quality loudspeakers to suit most Public Address and sound reinforcement requirements. All units are fitted with multi-tap 100V line marching transformers and supplied with fixings where applicable. Use of the finest mechanical components ensures a long and maintenance-free life, dramatically reducing the long-term 'cost of ownership'.

CEILING LOUDSPEAKERS

High power multi-purpose ceiling loudspeakers. Particularly suitable for use in suspended ceilings. SF.6FD features a metal dome to meet fire regulations. A mouting template is supplied, to simplify the marking out process, and with the hole cut into the ceiling, mounting is simple and quick, using the integral spring clips.

	SF.6	SF.6FD
100V Taps	10W, 6, 3, 1.5, 0.75	
Connections	Nylon connection block	Ceramic connection block. Access through dome by two 20mm dia knock-outs in top surface
Response	100Hz - 15kHz	
Dispersion @ 1kHz	183°	170°
SPL @ 1W 1M	93	
Driver	140mm	
Mounting	Easy spring clips through 192mm cut-out in ceilings up to 40mm thick	Easy spring clip into pre-fixed dome in 195mm hole. Dome can accommodate ceilings up to 20mm thick
Material & colour	Steel chassis and dome. Grill white enamelled to RAL 9010	
Dimensions WxHxD mm	230 dia x 60	230 dia. Dome requires 110mm clear above ceiling
Net Weight Kg	1.0	1.8
Shipping Volume CuM	0.005	0.008



The SF.6FD is compliant to BS.5839 part 8, featuring high temperature wiring and connections, and two thermal fuses.

CABINET LOUDSPEAKERS

Traditional wall mounted cabinet loudspeakers suitable for paging and background music. Easy access to transformer tapplings lifting the cabinet from its mounting bearer. A wide range of power tapplings aids accurate SPL zones for large sites and areas of differing ambient noise.



	CAB.4	CAB.6
100V Taps	4W, 2, 1, 0.5, 0.25	6W, 3, 1.5, 0.75
Connections	internal connection block	
Response	150Hz - 10kHz	110Hz- 12kHz
Dispersion @ 1kHz	110°	120°
SPL @ 1W 1M	90	90
Driver	105mm	135mm
Mounting	wooden bearer	
Material & colour	particle board with teak effect veneer and black fabric grill	
Dimensions WxHxD mm	155 x 245 x 83	200 x 300 x 101
Net Weight Kg	1.25	1.75
Shipping Volume CuM	0.005	0.008

FULL RANGE MUSIC CABINETS

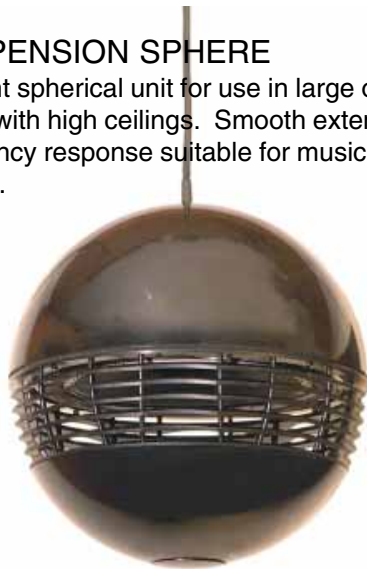
Music quality loudspeakers in a stylish, compact format. The CAB.30 features a two-way reflex design with extended bass response

	CAB.15	CAB.30
100V Taps	15W, 7.5, 4, 2	30W, 15, 7.5, 5
Connections	Spring loaded connection block	
Response	100Hz - 16kHz	80Hz-20kHz
Dispersion @ 1kHz	110°	95°
SPL @ 1W 1M	90	88
Driver	92mm	120mm & 45mm
Mounting	Keyhole or swivel balljoint bracket (supplied) Standoff 55mm	
Material & colour	Pearl-grey plastic. RAL9002/BS22B15	
Dimensions WxHxD mm	155 x 157 x 152	155 x 260 x 162
Net Weight Kg	1.4	2.25
Shipping Volume CuM	0.0075	0.01



SUSPENSION SPHERE

Elegant spherical unit for use in large open areas with high ceilings. Smooth extended frequency response suitable for music and paging.

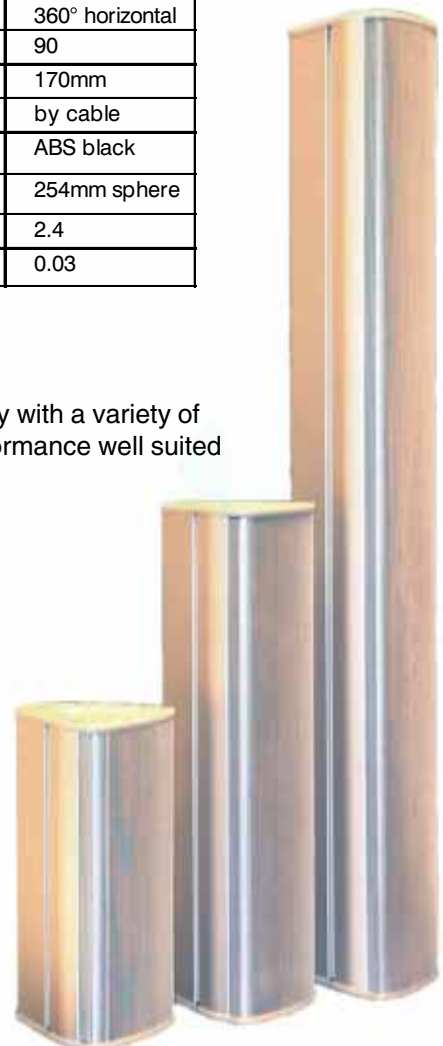


	SP.20B
100V Taps	20W, 10, 5, 2.5
Connections	3 Metre multicore tail
Response	80Hz - 18kHz
Dispersion @ 1kHz	140° vertical 360° horizontal
SPL @ 1W 1M	90
Driver	170mm
Mounting	by cable
Material & colour	ABS black
Dimensions WxHxD mm	254mm sphere
Net Weight Kg	2.4
Shipping Volume CuM	0.03

COLUMN LOUDSPEAKERS

Elegant and discrete column loudspeakers in a finish which blends easily with a variety of internal decoration and building materials and, particularly, stone. Performance well suited to sound reinforcement systems in reverberant locations.

	COL.6	COL.15	COL.30
100V Taps	6W, 3, 2, 1.5, 0.9, 0.5	15W, 7.5, 5, 4, 2, 0.8	30W, 15, 9, 7.5, 3.5, 2
Connections	Internal screw terminals, via gland taking 5.5mm dia. Flex		
Response	110Hz - 20kHz	100Hz-20kHz	95Hz - 20kHz
Vertical dispersion @ 1kHz (& 4kHz)	185° (90°)	170° (45°)	90° (45°)
SPL @ 1W 1M	88	91	92
Drivers	1 x 60mm 1 x 75mm	1 x 60mm 2 x 75mm	1 x 60mm 3 x 75mm
Mounting	Swivel balljoint bracket (supplied) Standoff 55mm		
Material & colour	Anodised aluminium in silver-grey. Plastic caps RAL7038		
IP rating	56	56	56
Dimensions WxHxD mm	100 x 109 x 183	100 x 109 x 300	100 x 109 x 600
Net Weight Kg	1.3	1.8	3.4
Shipping Volume CuM	0.0045	0.006	0.01



INDUSTRIAL LOUDSPEAKERS

TECHNICAL SPECIFICATION

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HORN LOUDSPEAKERS

Matching high efficiency horn loudspeakers for indoor and outdoor applications where directivity and penetration are essential. Particularly effective in high ambient noise locations such as machine rooms. A special gland plate is included for applications where the IP rating is required.

	RHA.15M	RHA.30M
100V Taps	15W, 7.7, 4, 2	30W, 15, 7.7, 4
Connections	Screw clamp. Gland plate supplied with 20mm gland to take 5.5mm dia flex	
Response	355Hz - 6kHz	350Hz-5kHz
Dispersion @	110°	100°
SPL @ 1W 1M	106	107
Mounting	U bracket	
Material &	Aluminium bell in light grey.	
IP rating	66	66
Dimensions WxHxD mm	230 dia x 240	270 dia x 270
Net Weight Kg	2.2	2.6
Shipping Volume CuM	0.015	0.022



MUSIC PROJECTORS

These background music projectors are designed for indoor and outdoor use, and in hostile atmospheric environments such as swimming pools. They may also be used to provide clear speech reproduction



	MHA.20	MHA.30
100V Taps	20W, 15, 10, 5, 2.5	30W, 15, 7.5
Connections	0.5M multicore flying lead	
Response	150Hz - 15kHz	125Hz- 15kHz
Dispersion @ 1kHz	120°	150°
SPL @ 1W 1M	95	97
Driver	100mm	100mm
Mounting	Stainless steel U bracket	
Material & colour	ABS: Ivory/cream RAL9001-BS10C31	ABS: Ivory/cream . RAL9001-BS10B15
IP rating	54	54
Dimensions WxHxD mm	183 dia x 195 inc bracket	314 x 271 x 256 inc bracket
Net Weight Kg	2.2	3.7
Shipping Volume CuM	0.008	0.025

QUALITY ASSURANCE

All procedures meet our internal Quality Assurance standards, which in turn are maintained to ISO.9002.

CONTACT

We will be pleased to receive enquiries regarding application of these products, either by phone, fax, or email.

In the interests of continuous development, specifications are subject to change without notice. E & OE.
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Electromagnetic compatibility (EMC) directive 89/336/EEC and amendment directive 92/31/EEC
This equipment has been designed and manufactured to the highest standards. If connected and operated as set out in this manual, there should be no Electromagnetic Compatibility problems. If any aspect of operation gives rise to concern, then please contact the manufacturer for advice.