

# Model DSA1 Power amplifiers

- \* *Continuously rated*
- \* *Safety interlocks to protect the amplifier and load*
- \* *Output power metering*
- \* *Internal sine wave generator for system proving*



The DSA1 is a switched mode power amplifier based on the extremely reliable DSA4 design. The DSA1 is available in two output versions—1kVA or 2kVA. The amplifier is a compact size for bench top or rack mounting operations and incorporates the field supply and the de-gaussing supply for an electro-dynamic shaker. The amplifier is air cooled and may be remotely controlled for combined operations with a climatic chamber.

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# Specifications

## Specification

Amplifier	DSA1-1k	DSA1-2k	General	
Output Voltage	72V	72V	Field Voltage	140V
Output Current	13.9A	27.8A	Field Current	8A
Height mm	266mm	266mm	Power Supply DSA1-1k	3kVA
Width mm	438mm	438mm	Current / phase DSA1-1k at 220/240V	13A
Depth mm	522mm	522mm	Power Supply DSA1-2k	6.8kVA
Weight kg	50kg	50kg	Current / phase DSA1-2k 380/415V	9.5/6.4A

## Performance

Signal to noise ratio	> -75dB	Frequency range	5Hz to 5kHz Derate below 5Hz
Distortion 5Hz to 2kHz	< 0.4% thd	Input sensitivity	2V into 10k ohms
Distortion 2kHz to 5kHz	< 1.0% thd	Relative humidity	0% to 90% Non-condensing
Distortion typical	0.2% thd	Working temperature	0 to 40 deg C



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