

# MQ 90S

## BAND PASS SUBWOOFER



### MAIN APPLICATIONS

- Music applications
- Audio visual applications
- Shopping malls
- Restaurants
- Pubs
- Hotels
- Office building

### DESCRIPTION

The MQ 90S subwoofer is innovative and compact. Unlike competing models, that require all of the satellite speakers to be wired directly to the subwoofer, the MQ 90S can be parallel wired anywhere along the constant voltage wire pair.

The high power transducer is a unique 8" woofer design that achieves truly impressive performance for its size when matched with the special bandpass and enclosure design of the MQ 90S.

It includes a transformer inside for the connection to (100 – 70 V) constant voltage lines, yet it can also be set to 16  $\Omega$  (low impedance connection). When connected to a 100 V line, its power can be selected among the values 60-30-15-7.5 W through a rotary switch (thanks to internal transformer taps). The cabinet material is MQ 90S is available in white (MQ 90S-W) or black (MQ 90S-B) colour

### MAIN FEATURES

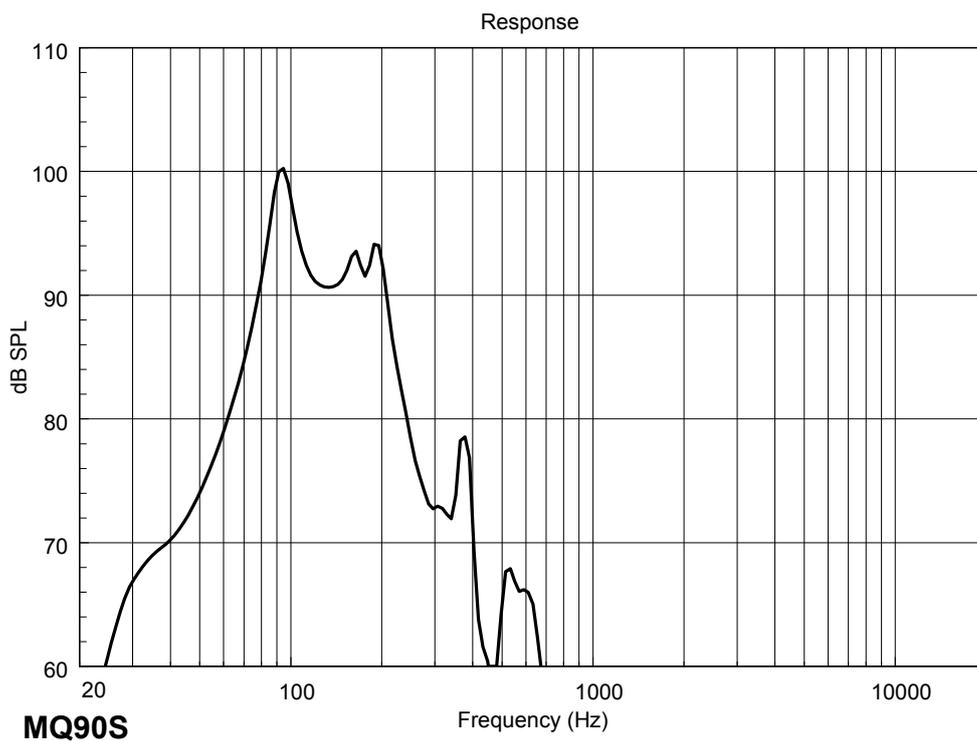
- Band pass 8" subwoofer
- 60 / 120 Watt (RMS/Music Power)
- 70 Hz ÷ 220 Hz
- 107 dB (1 m / POWER MAX) max. SPL
- Incl. 100V transformer multitap
- Power rotary switch
- Filter frequency: 200 Hz
- Type of filter 12 dB/oct
- Direct connection to Low-Z speaker lines
- Easy to install
- Simple power settings

### SPECIFICATIONS

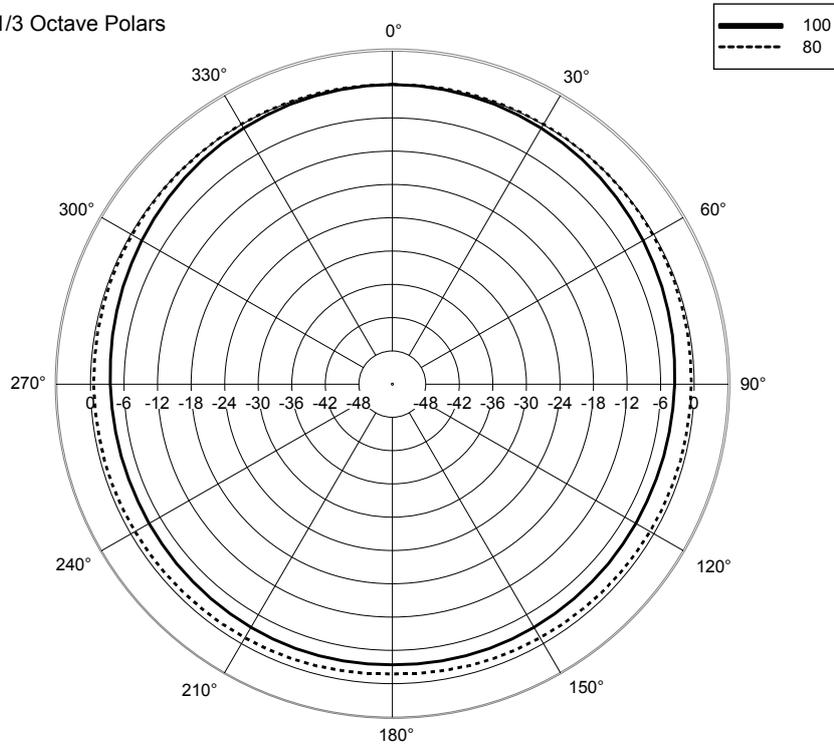
Loudspeaker	8" band pass subwoofer
Power (on 8 Ohm load)	60 / 120 W (RMS / Music power)
Power	60 W - 30 W - 15 W - 7.5 W (100V)
Sensitivity	89 dB (1 W / 1 m)
Mx. SPL (6 W / 1 m)	107 dB(A) (1 m / POWER MAX)
Frequency Response ( $\pm$ 10 dB)	70 Hz – 200 Hz
Angle of coverage	360°
Connector	Euroblock 4 pole
Body colour	White / Black
Main body material	High-density MDF
Cover material	PVC with scratch resistant surface
Dimensiones (HxWxD)	300 mm x 203 mm x 400 mm
Installation	On ground
Use	Indoor
Net weight	8 kg
Operating temperature	-25° to +55°
Relative humidity	90% non condensing



# MQ 90S



1/3 Octave Polars

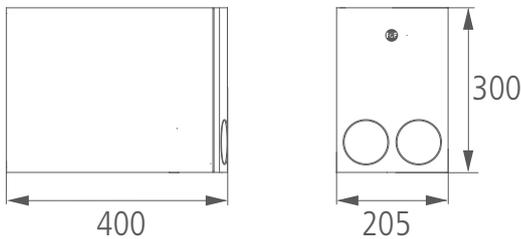


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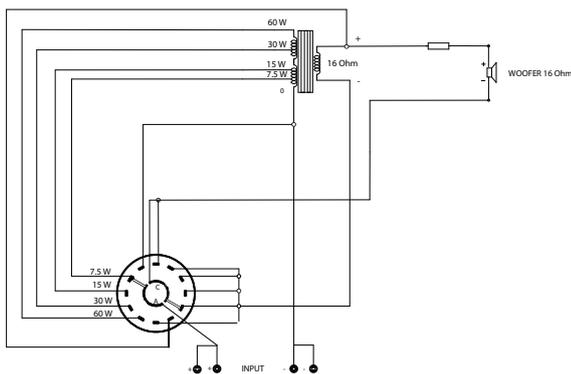
## PART NUMBERS

13000098 - MQ 90S-W White  
13000097 - MQ 90S-B Black

## DIMENSIONS (All data are in mm)



## SCHEMATICS



## INSTALLATION NOTES

Installation of the MQ 90S should be put on the floor of a room where "satellite" loudspeakers (for mid / high frequencies) are already present. MQ 90S belongs to RCF Monitor Q series.

It is for indoor use only (avoid to use it in very humid places).

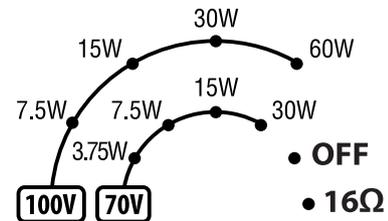
The power can be easily selected by using the Rotary switch present on the front panel; the knob is accessible using screwdriver.

Connections to the loudspeaker line are made by using Euroblock connector.

The enclosure is constructed in MDF with a scratch resistant surface

## POWER SELECTION

Set the rotary switch to selected the chosen power value referring to the 100 V line (among 7.5 W – 15 W – 30 W – 60 W) so the correspondence impedance (among 1333  $\Omega$  – 666  $\Omega$  – 333  $\Omega$  – 166  $\Omega$ ) or to the 16  $\Omega$  position (for low impedance connection).



Note: if the rotary switch is set to the OFF position, the loudspeaker will be muted.

## CERTIFICATIONS AND APPROVALS

- CE comply with European Community Directive 73/23/EEC and 93/768/EEC
- Self-Extinguishing plastic according to UL 94V0
- Environmental protection IP 40 homologation
- Speaker data according to IEC 268-5
- Safety according to IEC EN 60065:2002

## ACCESSORIES (included)

- Connection Terminal 4 pole