

DLS COMPETITION GRADE SPEAKERS SCANDINAVIA 30, 75, 165, 165W INSTALLATION TIPS

DLS SCANDINAVIA 30 COMPETITION GRADE TWEETER

- Please install very firmly on-axis or semi on-axis.
- Use HP crossover point above 3000 Hz.
- Optimum HP crossover points are above 4000 Hz
- Use a high grade Head Unit and amplifier like DLS CC or better.
- For optimum performance do not install the Scandinavia 30 behind cars original speaker grills.

DLS SCANDINAVIA 75 COMPETITION GRADE MIDRANGE

- Please install very firmly in a sealed box of minimum 1 litre (0,0035 cuft) and maximum 4 litres (0,141 cuft).
- Use a HP crossover point above 180 Hz, and a LP crossover point below 6000 Hz.
- Use a high grade Head Unit and amplifier like DLS CC or better.

DLS SCANDINAVIA 165 COMPETITION GRADE BASS MID-RANGE WOOFER

- Please install very firmly in a well dampened door / door panel.
- Optimum crossover points are LP: 50 60 Hz, HP: 3000 4000 Hz
- It is optimized foor door panel installs but can be installed in sealed boxes of 9 litres (0,31 cuft) as well.
- Use a high grade Head Unit and amplifier like DLS CC or better.

DLS SCANDINAVIA 165W COMPETITION GRADE BASS MID-BASS WOOFER

- Can only be used in sealed boxes of 7-9 litres (0,25-0,32 cuft)
- Can NOT be used in door panel installs (it will brake and sound bad).
- Use HP crossover point between 50 60 Hz and LP crossover point between 180 300 Hz
- Use a high grade Head Unit and amplifier like DLS CC or better.

DLS SCANDINAVIA 2-WAY CROSSOVER

- For passive use with Scandinavia 30 and Scandinavia 165

BREAK-IN PERIOD

Allow the speakers to play at normal volume for at least 15-20 hours. After this time the performance is correct.

TECHNICAL ASSISTANCE

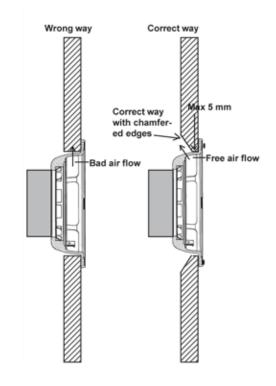
For technical assistance ask the shop where the product was sold or the distributor in your country. You can also send an e-mail to info@dls.se Information can also be found on our web-site www.dls.se We follow a policy of continuous advancement in development. For this reason all or part of specifications & designs may be changed without prior

WARRANTY SERVICE

This speaker is covered by warranty, depending on the conditions in the country where it is sold. If the speaker is returned for service, please include the original dated receipt (or a copy) with the product.

BAFFLE INSTALLATIONS

It is very important that the baffle is stable, but it is just as important that it is shaped in a way that allows the driver to "breath" backwards, otherwise there will be a lack in the drivers bass reproduction.



DLS Svenska AB P.O. Box 13029 SE-40251 Göteborg, Sweden

Tel: +46 31 840060 Fax: +46 31 844021

E-mail: info@dls.se www.dls.se

notice.



SPECIFICATIONS

Specifications Scandinavia 30

Art.no. 10-22030 EAN Bar code 7331644824107

 Size
 30 mm

 Impedance
 4 ohm

 Rec. amp. power (RMS)
 50 - 200 W

 Freq. range
 25 Hz - 2,5 kHz

 Cone material
 Textile

Cone material Textile
Outer diameter 68 mm / 2,67"
Mounting depth 18 mm / 0,75"
Sensitivity 92,2 dB
Fs 750 Hz



Art.no. 10-22075 EAN Bar code 7331644824602

 Size
 75 mm

 Impedance
 4 ohm

 Rec. amp. power (RMS)
 50 - 200 W

Freq. range 100 Hz - 10 kHz (in axis) +- 3 dB

Cone material Polypropylene
Outer diameter 84 x 84 mm / 3,31 x 3,31"

Mounting depth 38 mm / 1,5"
Sensitivity 86 dB
Fs 98 Hz
Rec. HP x-over above 180 Hz
Rec. LP X-over below 6 kHz

Specifications Scandinavia 165

10-22165 Art.no. EAN Bar code 7331644824701 165 mm Size 4 ohm Impedance Rec. amp. power (RMS) 50 - 200 W Freq. range 50 Hz - 4,5 kHz Fibre glass Cone material Outer diameter 165 mm / 6.5" Mounting depth 65 mm / 2,56' 91,9 dB / 2,83V Sensitivity Fs / Qts / Vas 61 Hz / 0,54 / 10,2 Rec. HP x-over above 3 - 4 kHz

Rec. LP X-over

Sensitivity

Optimized for door panel mount but can also be used in sealed boxes 9 litre (0,31 cu ft)

below 50 - 60 Hz

Specifications Scandinavia 165W

Art.no. 10-22165W EAN Bar code 7331644824800 165 mm Size 4 ohm Impedance Rec. amp. power (RMS) 50 - 200 W Freq. range 30 Hz - 500 Hz Cone material Aluminium Outer diameter 165 mm / 6.5" Mounting depth 65 mm / 2,56"

Fs / Qts / Vas 52,4 Hz / 0,64 / 9,5 Rec. HP x-over 50 - 60 Hz Rec. LP X-over 180 - 300 Hz

84,3 dB

Recommended sealed box 7 - 9 litres













