



DNH

HEAD OFFICE, NORWAY

DNH AS

Phone..... + 47 35 98 56 00

Fax..... + 47 35 98 56 10

E-mail..... dnh@dnh.no

Web-Site..... www.dnh.no

ENGLAND

DNH WW Ltd

Phone..... + 44 1908 275 000

Fax..... + 44 1908 275 100

E-mail..... dnh@dnh.co.uk

GERMANY

DNH GmbH

Phone... + 49 040 6569 30-0

Fax..... + 49 040 6569 30-30

E-mail..... dnh@dnh.de

USA

DNH Speakers Inc

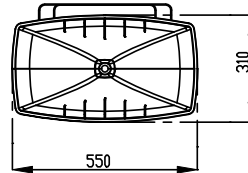
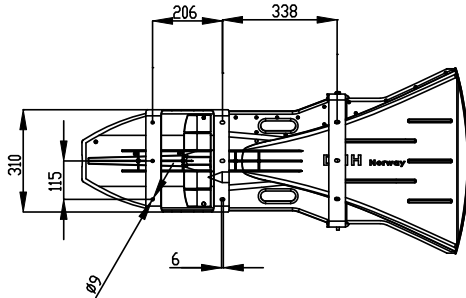
Phone..... + 1 484 494 5790

Fax..... + 1 484 494 5793

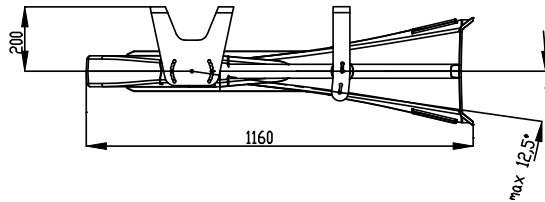
E-mail..... dnh@dnhspeakers.com

ISO 9001 CERTIFIED

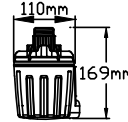
TUNNEL-40-54(T)



Tested acc. To EN54-24
Type: B
Manufactured by DNH A/S
Kragerø, Norway
17 1438-CPR-0546



DUP-40

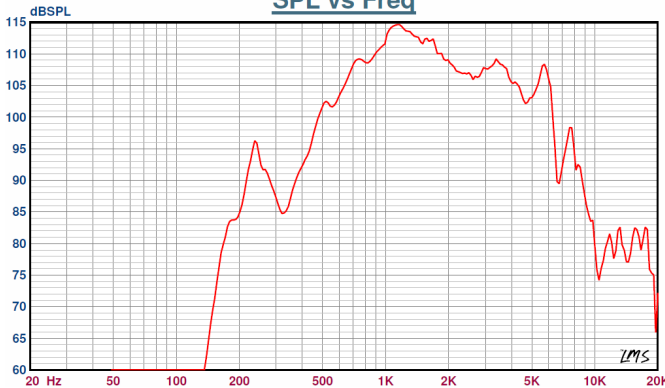


T-48 transformer max 40W

1 : 4	40W Imp. 250 Ω
1 : 3	23W Imp. 435 Ω
2 : 4	15W Imp. 667 Ω
1 : 2	12W Imp. 833 Ω
3 : 4	6W Imp. 1100 Ω
2 : 3	3W Imp. 1200 Ω

Sound pressure levels at 1W/1m

SPL vs Freq



Horizontal coverage angles (HCA) / Vertical coverage angles (VCA) (-6dB)

1 Oct. Pink noise	500Hz	90°	160°
1 Oct. Pink noise	1KHz	55°	105°
1 Oct. Pink noise	2KHz	35°	50°
1 Oct. Pink noise	4KHz	35°	25°

Equalization of -1,5dB at 800 Hz, -2dB at 1 kHz, -3dB at 1,25 kHz, -1dB at 1,6 kHz, +7dB at 6,3 kHz, +6dB at 8 kHz, +7dB at 10 kHz

Specifications acc. testing CNBOP / DNH

Material / Color	ABS
Mounting	2 brackets
Brackets material	V4A / A4 / 316
Termination	Ceramic terminal
Weight w/transformer	13 Kg
IP-rating	33C / 67
Max. / min. amb. temp	70°C to -25°C / 90°C to -40°C
Rated power	40W
Sensitivity 1W/4m	93 dB
SPL 40W/4m	106 dB
Freq. range	100 Hz – 13000Hz
Measurement environment	Free field

Sensitivity 100Hz-10KHz 1/3 Oct. Pink noise 1W/4 Meters

100Hz:	20 dB	125Hz:	30 dB	160Hz:	45 dB
200Hz:	59 dB	250Hz:	66 dB	315Hz:	60 dB
400Hz:	65 dB	500Hz:	73 dB	630Hz:	78 dB
800Hz:	81 dB	1KHz:	85 dB	1250Hz:	86 dB
1600Hz:	86 dB	2KHz:	78 dB	2500Hz:	82 dB
3150Hz:	80 dB	4KHz:	80 dB	5KHz:	78 dB
6300Hz:	78 dB	8KHz:	66 dB	10KHz:	61 dB

Installation, Operation and Maintenance Procedures

- Loudspeaker designed to be very directional and therefore excellent for tunnel applications.
- When connecting the driver use enclosed gasket without any lubricants. Screw the driver unit into TUNNEL – 500 until the driver is in contact with the gasket, then continue screwing the driver for 90° to 115°.
UNEF 1 3/8 -18 thread.
- Remove lid, lead cable through cable gland, connect to terminal and choose required power on transformer.
- Screw lid back into place 2 Nm.
- Fasten brackets and choose wanted angle of loudspeaker with intervals of 2,5° max. 12,5°.
- To change the position of the loudspeaker please adjust the brackets (by loosening / tightening the screws) as required.
- For optimum performance, always use the correct voltage / power and operate within the frequency limits as stated.
- Do not open loudspeaker when energized.
- This loudspeaker is supplied with a two years warranty against defective workmanship.

DNH reserves the right to alter specifications without notice.

