

## ZETFON 300/310 DC

### General Features

The ZÖLLNER ZETFON is a robust electrically operated whistle which is equally suitable for all types of inland and maritime navigation. The whistle operates on 24 V DC.

### Essentials

- full compliance with the Colregs 1972
- type approved by all wellknown international authorities, certificates by the classification societies on request
- application:
  - vessels of 20 m but less than 75 m in length
  - land alarm, i.e. bunker stations, oil refineries, airports, powerplants, factories
- system voltage: 24V DC
- entirely made of best non-corrosion, seawater-resistant materials (no plastic!)



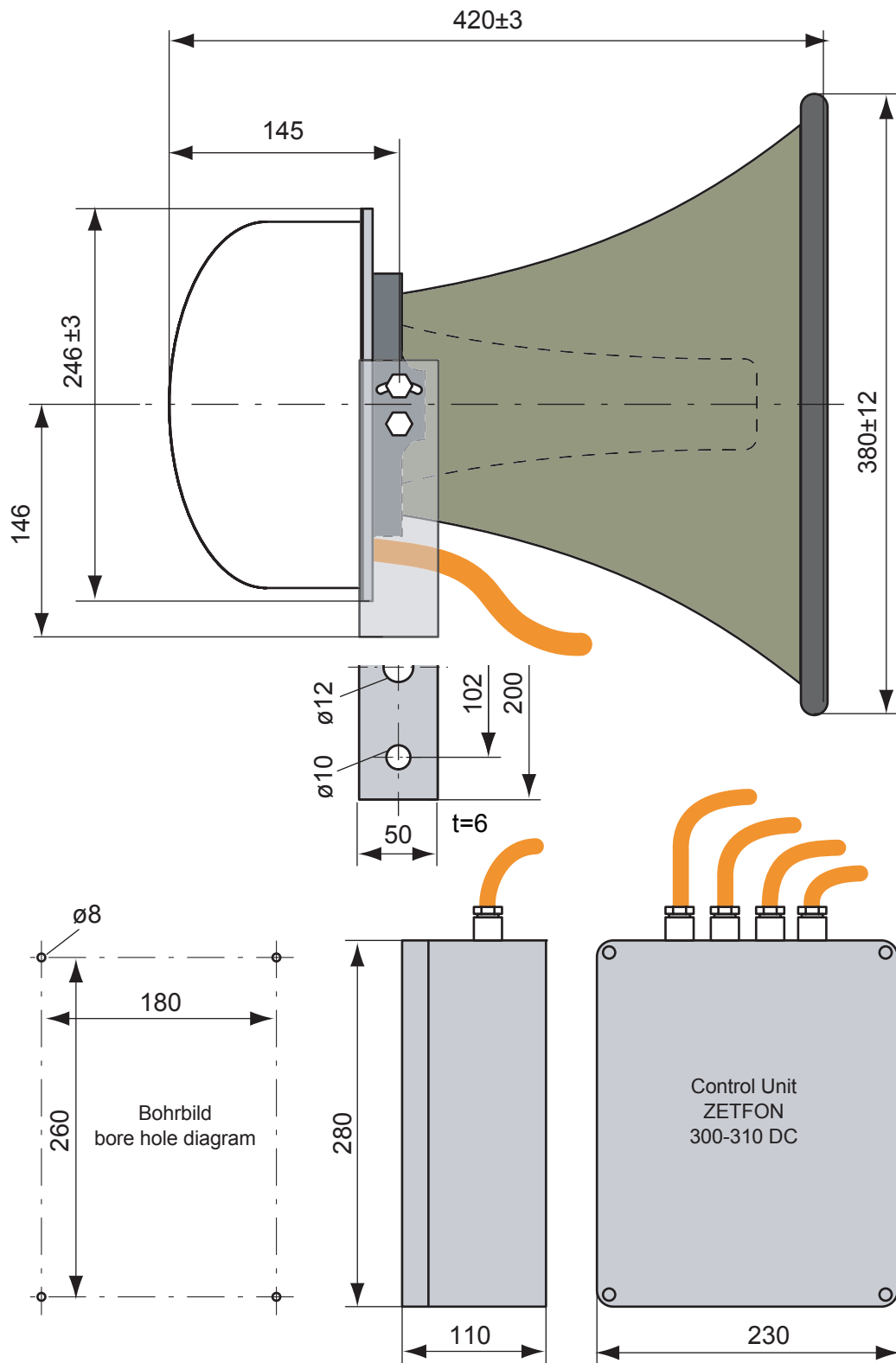
### Sound Characteristics

- broad frequency spectrum with many higher harmonics
- signals with strong overtones for best penetration of background noise level

*Even when a background noise covers the actual basic frequency the residual tone forms a parent frequency in the human hearing. Two or three harmonics are sufficient for the hearing to perceive the basic frequency.*
- sound frequency of 310 Hz very advantageously ranks in the lower admissible range (250-700 Hz)

### Advantages

- decades of experience
- best material and workmanship - made in Germany
- optional address facility (*with microphone attached to foghorn*)
- body heating for cold areas available on request
- control and amplifier unit provided with reverse polarity protection of supply voltage
- low power consumption of 170 W
- easy installation
  - only 4-core cable required for standard design
  - low weight
- easy exchange of all parts with onboard tools



type	ship length [m]	voltage	cable gland [mm] max.	fundamental frequency [Hz]	sound intensity in 1/3rd-octave band level at 1 m distance		max input when sounding [W]	body heating [W]	protection type	weight [kg]	type approval BSH(DHI) no.
					dB(A)	mind. IMO 1/3rd oct					
300/ 310DC	20-<75	24V DC	ø15/ ø18,8	310	131	130dB	170	10	IP 56	7+6,5	4615/ 6021225/09