

38/200 kHz Combi transducer

Introduction

The **Simrad 38/200 Combi C** transducer combines two transducers and one temperature sensor in a single housing. It is designed with a streamlined shape for hull mounting on small vessels.



Order number

KSV-202192

Common specifications

Nominal impedance	75 ohms
Maximum pulse power input	1000 W
Maximum continuous power input	10 W
Resistance NYC thermistor at 25°	10 kohm
Maximum transducer depth	20 m
Cable length	10 m
Cable diameter	6.3 mm
Weight with cable	6.5 kg
Storage temperature	-20 to 70°C

Technical specifications 38 kHz

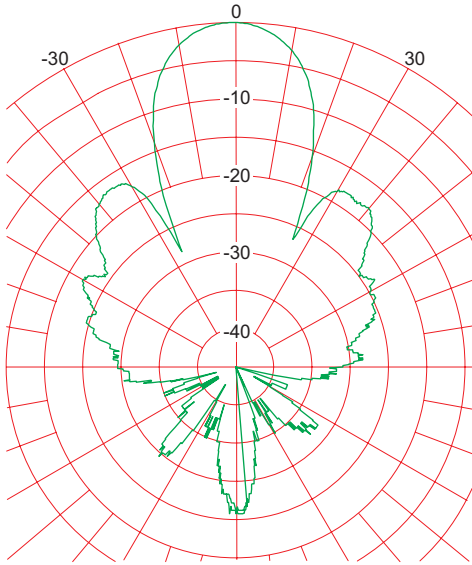
Resonant frequency.....	38 kHz
Beamwidth longitudinal.....	13 deg
Beamwidth transverse.....	21 deg
Directivity, DI=10logD.....	21 dB
Side lobes.....	less than -15 dB
Back radiation.....	less than -25 dB
Source level at 1000 W.....	219 dB re 1µPa
Transmitting response.....	170 dB re 1µPa per V
Receiver sensitivity, open circuit...-	178 dB re 1V per µPa
Electroacoustic efficiency.....	50%

Technical specifications 200 kHz

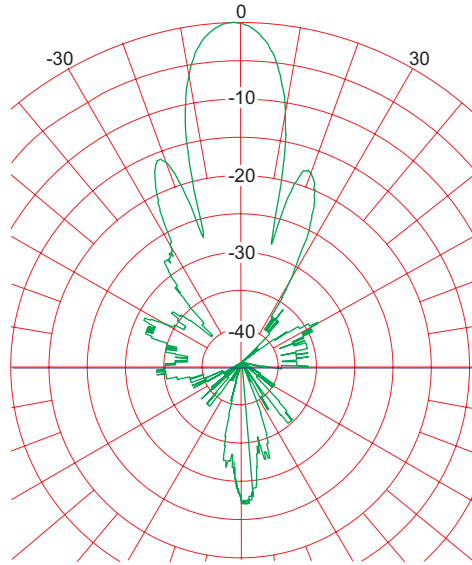
Resonant frequency.....	200 kHz
Beamwidth longitudinal.....	7 deg
Beamwidth transverse.....	7 deg
Directivity, DI=10logD.....	28.5 dB
Side lobes.....	less than -18 dB
Back radiation.....	less than -30 dB
Source level at 1000 W.....	227 dB re 1µPa
Transmitting response.....	178 dB re 1µPa per V
Receiver sensitivity, open circuit...-	185 dB re 1V per µPa
Electroacoustic efficiency.....	60%

NOTE: *The transducer cable must not be exposed to oil or other petroleum fluids.*

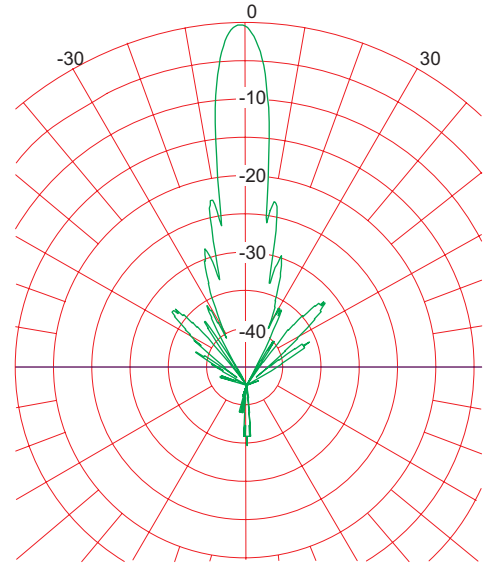
Beam patterns



38 kHz transverse



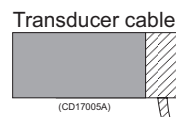
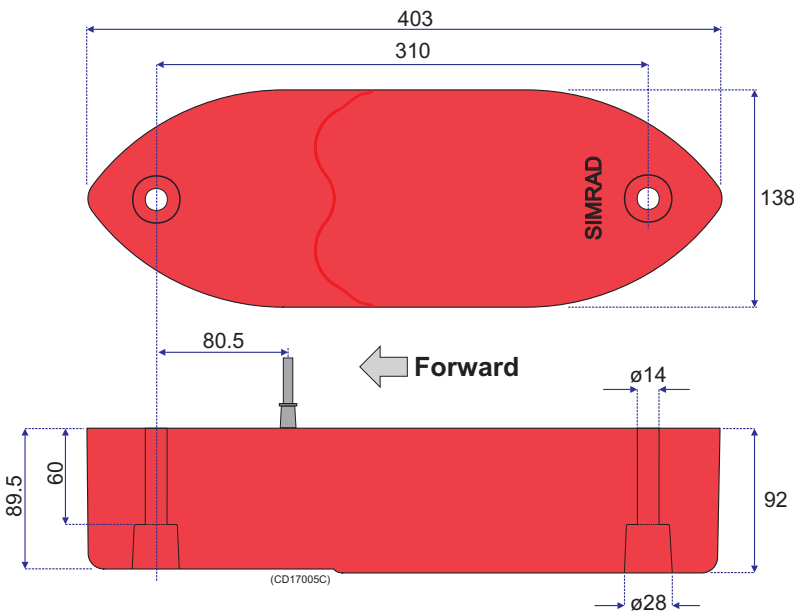
38 kHz longitudinal



200 kHz

(CD17005B)

Installation



Pin	Colour	Signal
1	Red	200 kHz
2	Black	200 kHz
3	Blue	38 kHz
4	Screen	
5	White	38 kHz
6	Green	Thermistor
7	Yellow	Thermistor

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Simrad AS

Strandpromenaden 50

P.O.Box 111

NO-3191 Horten

Norway

Telephone: +47 33 03 40 00

Facsimile: +47 33 04 29 87

www.simrad.com

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