



KONGSBERG

# Transducer 15 - 17

## 15 kHz single beam transducer for ocean depth and subbottom details in shallow water

### Introduction

The 15 - 17 is a transducer with beam width 17°. The transducer has low Q and low frequency ceramic arrays for ocean depth measurement and accurate data.

It has 13 elements encapsulated in a cast Urethane housing. Adapted for use as a portable mount.

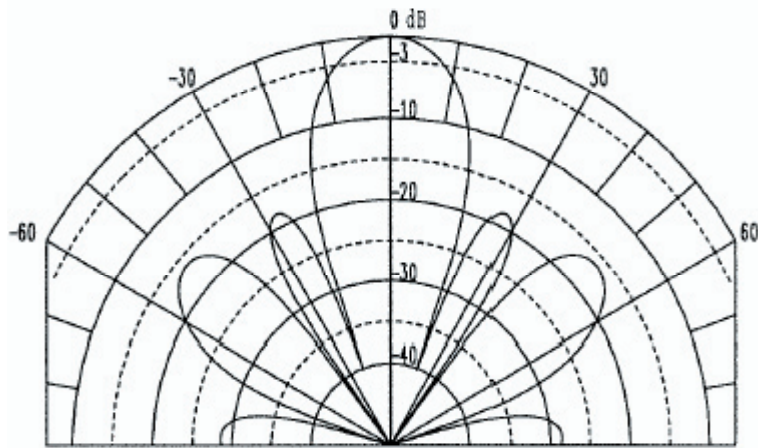
**KM order number:** KSV-223313



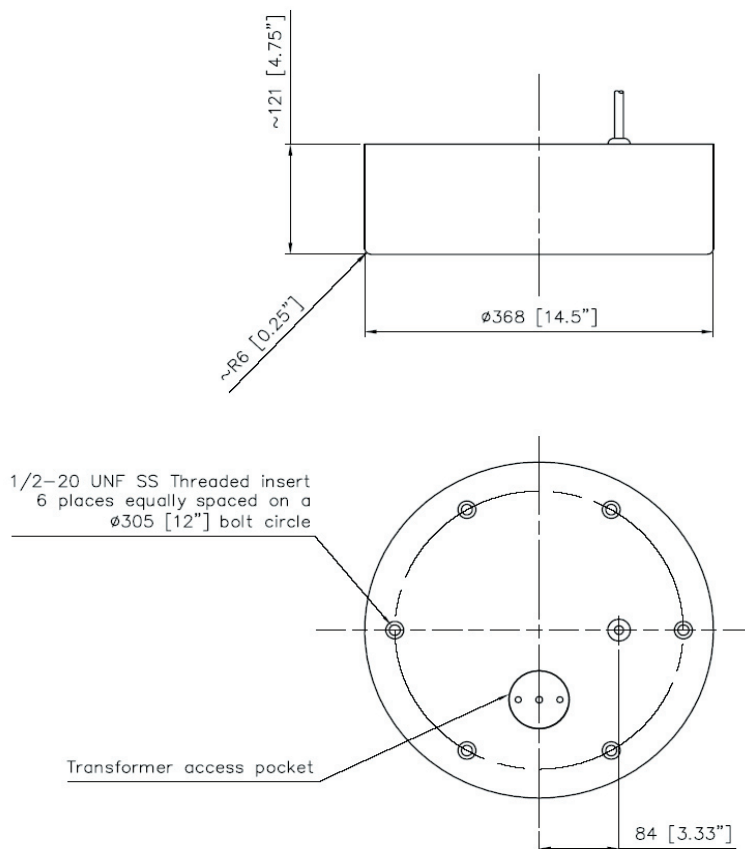
### Technical specifications

Resonant frequency.....	15 kHz
Circular beam width.....	17 degrees
Directivity:	
D .....	100
DI = 10 log D.....	19.9 ±1 dB
Equivalent two-way beam angle:	
$\Psi$ .....	0.049
10 log $\Psi$ .....	-13 ±1 dB
Side lobes .....	Less than 17 dB
Impedance nominal value .....	60 ohm
Transmitting Voltage Response.....	165 ±2 dB re 1μPa per V
Receiving Voltage Response.....	-169 ±2 dB re 1 V per μPa
Electroacoustic efficiency .....	0.45
Maximum pulse power input .....	3.5 kW @ 2% duty
Maximum continuous power input .....	70 W
Cable length .....	15 m
Cabel diameter .....	10 mm
Weight with/without cabel .....	28 / 25 kg
Storage temperature .....	+48 to -6°C

## Beam pattern



## Outline dimensions



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