

# CIARE (PNDI6,38MR)

MIDRANGE

## GENERAL SPECIFICATIONS

NOMINAL DIAMETER	165 mm (6 in)
RATED IMPEDANCE	8 Ω
AES POWER (1)	150 W
PROGRAM POWER (2)	300 W
PEAK POWER (3)	W
SENSITIVITY (4)	96 dB
POWER COMPRESSION @-10 dB (5)	(15W) 00 dB
POWER COMPRESSION @-3 dB	(75W) 00 dB
POWER COMPRESSION @FULL POWER	(150W) 00 dB
MAX RECOMM. FREQUENCY	Hz
RECOMM. ENCLOSURE VOLUME	+ lt. (0,00 ± 0,00 cu.ft)
MINIMUM IMPEDANCE	07 Ω at 25°
MAX PEAK TO PEAK EXCURSION	mm (0,00 in)
VOICE COIL DIAMETER	38 mm (1,50 in)
VOICE COIL WINDING MATERIAL	0
SUSPENSION	Half roll, Nomex
CONE	paper, water protected

## THIELE SMALL PARAMETERS (6)

Fs	165 Hz
Re	4,8 Ω
Sd	0,0147 sq.m (22,79 sq.in)
Qms	3,30
Qes	0,59
Qts	0,50
Vas	02 lt. (0,07 cu.ft)
Mms	13 gr. (0,03 lb)
BL	10,5 Tm
Linear Mathematical Xmax (7)	±2,5 mm (±0,10 in)
Le (1kHz)	1,10 mH
Ref. Efficiency (half space)	1,5 %

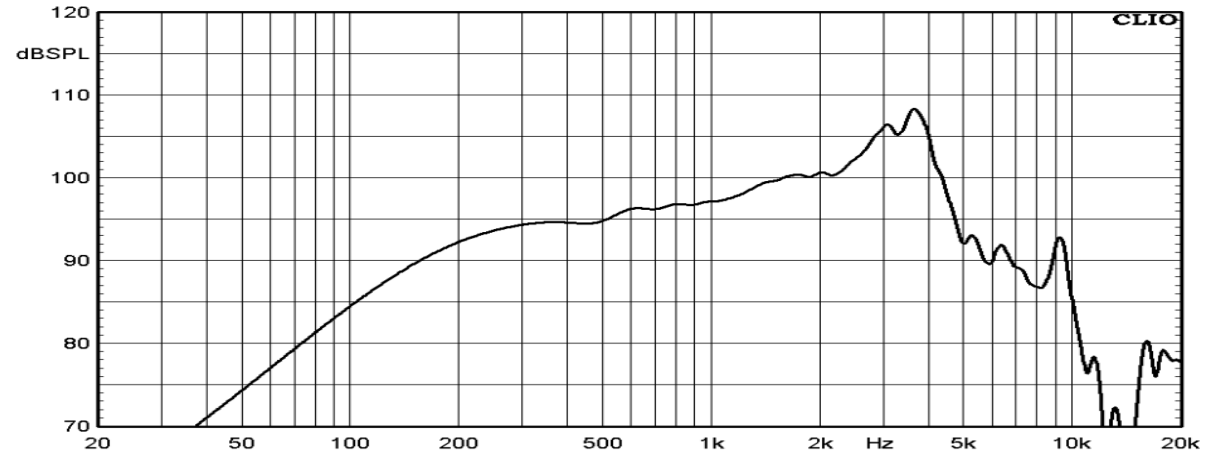
## MOUNTING INFORMATION

Overall diameter	186 mm (7,32 in)
N. of mounting holes	4
Mounting holes diameter	#VALORE!
Bolt circle diameter	170 mm (6,69 in)
Front mount baffle cutout ø	mm (0,00 in)
Rear mount baffle cutout ø	146 mm (5,75 in)
Total depth	82 mm (3,23 in)
Flange and gasket thickness	8,2 mm (0,32 in)
Net weight	kg (0,00 lb)
Shipping weight	kg (0,00 lb)
CardBoard Packaging dimensions	xx mm (0,00x0,00x0,00 in)

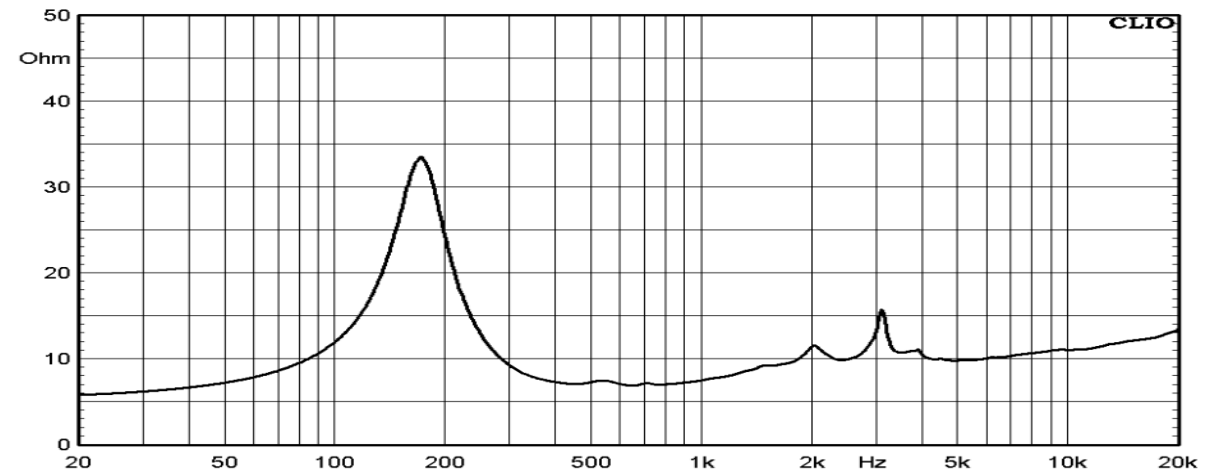
## TECHNOLOGIES

Copper Ring

FREQUENCY RESPONSE MADE IN LT. ENCLOSURE TUNED AT Hz IN FREE FIELD (4π) ENVIRONMENT. ENCLOSURE CLOSES THE REAR OF THE DRIVER, THE THIN LINE REPRESENTS 45 DEG. OFF AXIS FREQUENCY RESPONSE



## FREE AIR IMPEDANCE CURVE



(1) AES power is determined according to AES2-1984 standard.

(2) Program power rating is measured in lt. enclosure tuned at Hz using a - Hz band limited pink noise test signal applied for 2 hours and with 50% duty cycle.

(3) The peak power rating represent the maximum permitted instantaneous peak power level over a maximum period of 10 ms which will be withstood by the loudspeaker without damage.

(4) Sensitivity represents the averaged value of acoustic output as measured on the forward central axis of cone, at distance 1m from the baffle panel, when connected to V sine wave test signal swept between Hz and Hz with the test specimen mounted in the same enclosure as given for 2 above.

(5) Power compression represents the loss of sensitivity for the specified power, measured from to Hz after a 5 min pink noise preconditioning test at the specified power.

(6) Thiele - Small parameters are measured after the test specimen has been conditioned by 1 hour 20 Hz sine and represent the expected long term parameters after a short period of use.

(7) Linear Mat. Xmax is calculated as;  $(Hvc-Hg)/2 + Hg/4$  where Hvc is the coil depth and Hg is gap depth.