



## ARN-180-0000/8

Loudspeaker ARN-180-0000/8 is a direct radiator electrodynamic transducer which irradiates the lower up to medium band of the low-frequency spectrum. The loudspeaker is designed to be used in loudspeaker systems as well as in other applications.

### ACOUSTICAL DATA:

Rated noise power <sup>1</sup>	90 W
Short term maximum power	400 W
Rated impedance	8 Ohm
Resonance frequency $F_s$	40.000 Hz
Rated frequency range	45 - 4.000 Hz
Sensitivity <sup>2</sup>	89 dB

### TS PARAMETERS:

#### Acquired by MLSSA:

Effective piston area $S_d$	134.780 cm <sup>2</sup>
DC resistance of voice coil $R_e$	6,680 Ohm
Mechanical Q factor $Q_{ms}$	3.994
Electrical Q factor $Q_{es}$	0.445
Total Q factor $Q_{ts}$	0.400
Voice coil inductance $L_e$	0.528 mH
Equivalent volume $V_{as}$	14.278 l
Moving mass (including air load) $M_{ms}$	19.713 g
Suspension compliance $C_{ms}$	0.555 uM/N
Force factor $Bl$	9.458 Tm

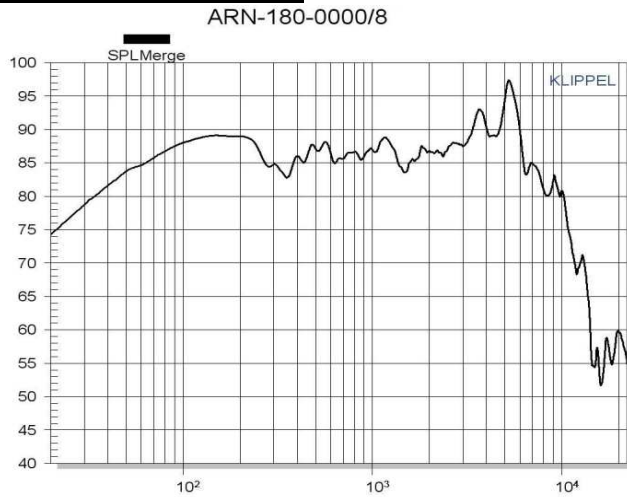
### MECHANICAL DATA:

Voice coil carrier material kapton	kapton
Voice coil diameter	36.2 mm
Winding height of voice coil	16 mm
Yoke diameter	35.6 mm
Air gap height	6 mm
Magnet external diameter	115 mm
Magnet internal diameter	43 mm
Magnet height	19 mm
Weight	2,1 kg

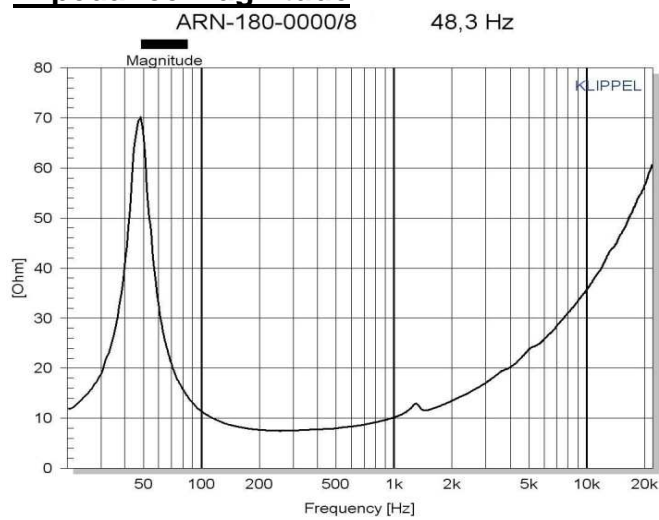
1) ČSN EN 60268-5, acoustic baffle 30 litres

2) ČSN EN 60268-5, standard acoustic baffle 80 Hz - 3000 Hz

### Frequency response:



### Impedance Magnitude:



### Drawing:

