

AlNiCo Rola 49-1240 10" (258 mm) 16 ohm Speakers

ROLA



Zenith labeled 10 1/8" (258mm) 16 ohm full range speakers made by Rola. These have a stiff paper cone, a 3/4" (19mm) wide 4-bump treated cloth accordion surround -- treatment is still tacky, an estimated 2" (51mm) voice coil with a stiff domed felt dustcap, and a 4-legged stamped steel basket with a large motor.

Average Measured Parameters

(13.3/13.2 ohm DCR), marked Zenith / 49-1240 / 26322 / 2857438 on the magnet (1974 manufacture), 41-H-4601 on the back of the cone

$F_s$	42.2 Hz	$Q_{ms}$	9.64
$Q_{ts}$	0.56	$Q_{es}$	0.59
$V_{as}$	56.3 litres	BL	15.96
SPL	90.7 dB 1W/1m	$S_d$	346 cm <sup>2</sup>

(13.3/13.5 ohm DCR), marked 49-1240 /26322 /2857425(410) on the basket (1974 manufacture), 41-H-4601 on the back of the cone.

$F_s$	40.6 Hz	$Q_{ms}$	10.65
$Q_{ts}$	0.47	$Q_{es}$	0.49
$V_{as}$	60.3 litres	BL	17.67
SPL	91.3 dB 1W/1m	$S_d$	346 cm <sup>2</sup>

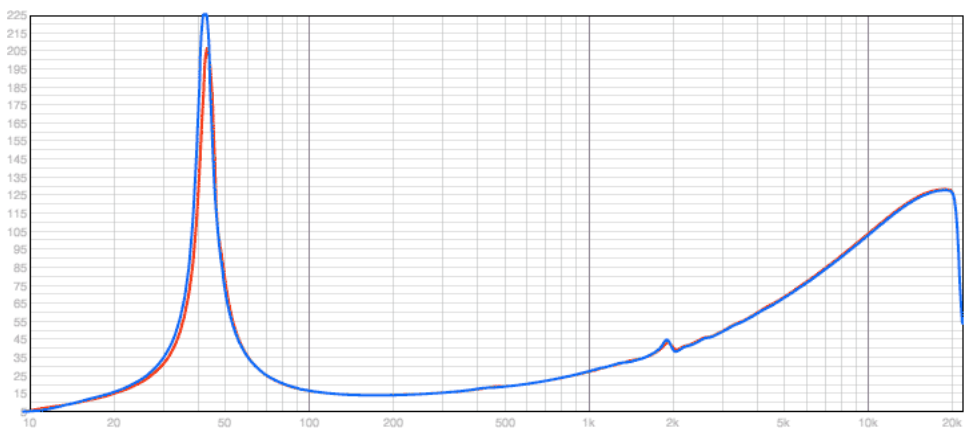
(13.3/13.5 ohm DCR), marked 49-1240 /26322 /2857731(743) on the basket (1973 manufacture), 41-H-4601 on the back of the cone.

$F_s$	41.2 Hz	$Q_{ms}$	16.04
$Q_{ts}$	0.53	$Q_{es}$	0.55
$V_{as}$	50.9 litres	BL	17.36
SPL	90.7 dB 1W/1m	$S_d$	346 cm <sup>2</sup>

(13.2/13.3 ohm DCR), marked 49-1240 /26322 /2857425 (2857426 on the other) on the basket (1974 manufacture), 41-H-4601 on the back of the cone.

$F_s$	41 Hz	$Q_{ms}$	17.4
SPL	91 dB/1m	$Q_{es}$	0.41
$V_{as}$	48.1 liters	$Q_{ts}$	0.40

$V_{as}$  done using added mass method Note: the low voltage computer based. T/S measuring kit produces higher  $F_s$  & lower  $V_{as}$  values than techniques that use higher voltage drive.



Typical impedance curve & T/S parameters were taken using [FuzzMeasure](#) for OS X.

