



THE REIGNMAKER™ 16

RED COAT™

The 16 ohm ReignMaker™ with patent-pending FDM™ technology puts tonal control at your fingertips. Just turn the modulator knob to adjust speaker output and amplifier interaction, helping you find that sweet spot of saturated tube tone but at a significantly lower volume. Tweak the knob for a wide range of tones: More attenuation affords a warmer tone while less attenuation restores volume and brightness.

See Thiele & Small Parameters on next page.

Specification

Nominal Basket Diameter	12", 304.8 mm
Nominal Impedance*	16 ohms
Power Rating**	75W
Resonance	103.85 Hz
Usable Frequency Range***	80 Hz - 6.2 kHz
Sensitivity	91.5 dB (No knob turn) 100 dB (Full turn)
Magnet Weight	38 oz.
Gap Height	0.312", 7.92 mm
Voice Coil Diameter	1.75", 44.5 mm

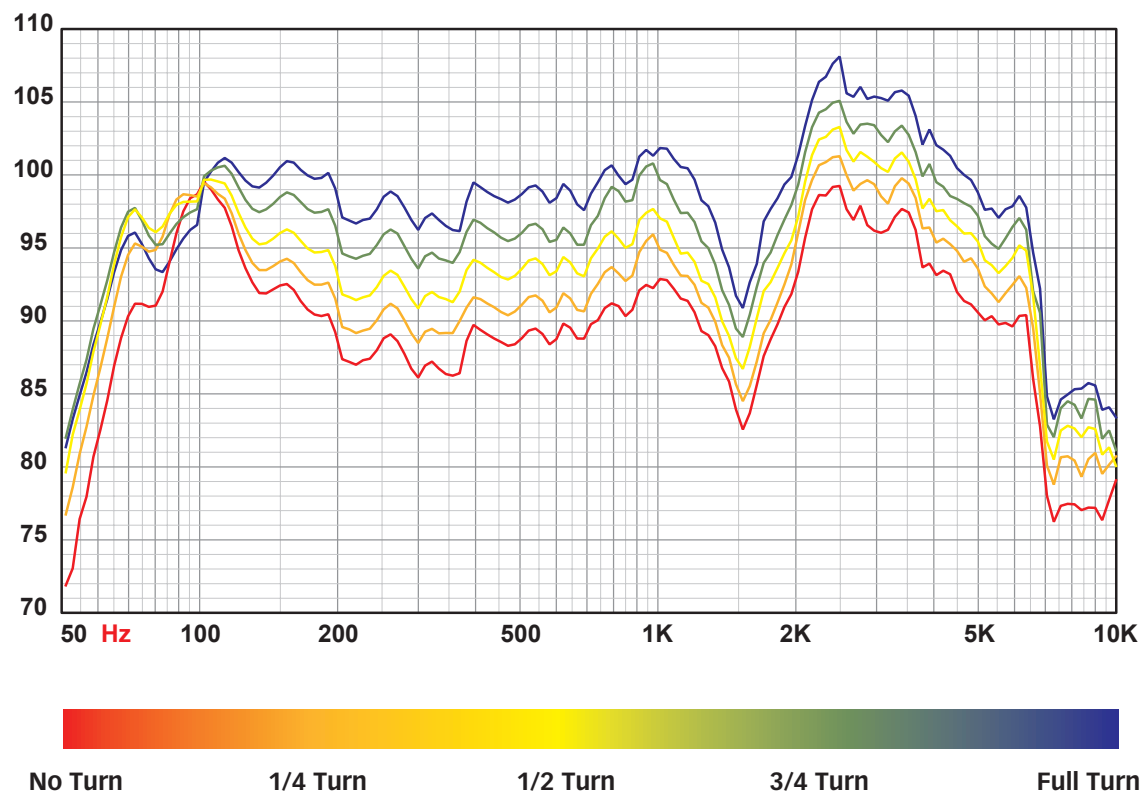
Mounting Information

Recommended Enclosure Volume	
Sealed	N/A
Vented	Acceptable
Driver Volume Displaced	134.25 cu.in., 2.2 liters
Overall Diameter	12.03", 305.5 mm
Baffle Hole Diameter	10.95", 278.1 mm
Front Sealing Gasket	Yes
Rear Sealing Gasket	Yes
Mounting Holes Diameter	0.25", 6.4 mm
Mounting Holes B.C.D.	11.59", 294.3 mm
Depth	6.562", 166.6 mm
Net Weight	7.8 lbs., 3.54 kg
Shipping Weight	9.7 lbs., 4.39 kg

Materials of Construction

Copper voice coil	Pressed steel basket
Polyimide former	Full molded paper cone
Ferrite magnet	Paper cone edge
FDM™ Core Technology	Zurette dust cap

dB SPL A 300° knob turn offers warmer tones and nearly 9 dB of attenuation.



* Please inquire about alternative impedances.

** Multiple units exceed published rating evaluated under EIA 426A noise source and test standard while in a free-air, non-temperature controlled environment.

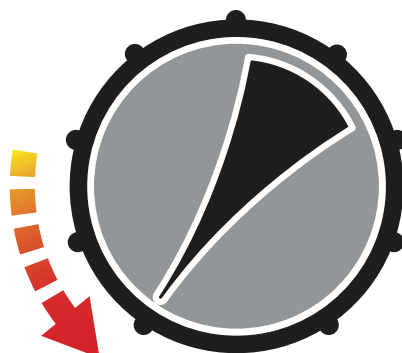
*** The average output across the usable frequency range when applying 1W/1M into the nominal impedance. $I_e: 2.83V/8\Omega, 4V/16\Omega$.

Eminence response curves are measured under the following conditions: All speakers are tested at 1w/1m using a variety of test set-ups for the appropriate impedance | LMS using 0.25" supplied microphone (software calibrated) mounted 1m from wall/baffle | 2ft. X 2ft. baffle is built into the wall with the speaker mounted flush against a steel ring for minimum diffraction | Hafler P1500 Trans-Nova amplifier | 2700 cu.ft. chamber with fiberglass on all six surfaces (three with custom-made wedges)

THIELE & SMALL PARAMETERS

The Thiele & Small parameters vary when the knob is turned. These figures indicate the parameters at each end of the spectrum.

**NO TURN OFFERS
MAXIMUM ATTENUATION
AND WARMER TONES**



NO TURN

Resonant Frequency (fs)	103.85 Hz
DC Resistance (Re)	12.1
Coil Inductance (Le)	0.77 mH
Mechanical Q (Qms)	16.23
Electromagnetic Q (Qes)	10.98
Total Q (Qts)	6.55
Compliance Equivalent Volume (Vas)	29.97 liters
Peak Diaphragm Displacement Volume (Vd)	24.42 cc
Mechanical Compliance of Suspension (Cms)	0.08 mm/N
BL Product (BL)	4.49 T-M
Diaphragm Mass Inc. Airload (Mms)	28.07 grams
Efficiency Bandwidth Product (EBP)	9.46
Maximum Linear Excursion (Xmax)	0.47 mm
Surface Area of Cone (Sd)	519.5 cm ²
Maximum Mechanical Limit (Xlim)	N/A



**A FULL TURN RESULTS
IN HIGHER VOLUME
AND BRIGHTER TONES**

FULL TURN

Resonant Frequency (fs)	103.67 Hz
DC Resistance (Re)	12.1
Coil Inductance (Le)	0.93 mH
Mechanical Q (Qms)	19.22
Electromagnetic Q (Qes)	1.92
Total Q (Qts)	1.74
Compliance Equivalent Volume (Vas)	33.72 liters
Peak Diaphragm Displacement Volume (Vd)	24.42 cc
Mechanical Compliance of Suspension (Cms)	0.08 mm/N
BL Product (BL)	10.58 T-M
Diaphragm Mass Inc. Airload (Mms)	27.12 grams
Efficiency Bandwidth Product (EBP)	54.13
Maximum Linear Excursion (Xmax)	0.47 mm
Surface Area of Cone (Sd)	519.5 cm ²
Maximum Mechanical Limit (Xlim)	N/A