| JBL Engineering | Engineering Standard | Date Effective 3/8/01 | Number 1814 |
|---|---|---|---|
| | Engineering Design Specification | | Page 1 of 4 |

# Model: 2023H

Frequency Response / Impedance: See attached curves, page 2

Harmonic Distortion: See attached curves, page 3

Thiel/Small Parameters: See attached table, page 4

Voice Coil: 3" Edgewound Aluminum ribbon .030"x .0079"
0.90" long axially

Cone: 12" smooth paper

Suspension: Airflex treated cloth

Magnetic Flux: 309 KMaxwells through 0.900 long coil
256 KMaxwells through 0.500" thick top plate

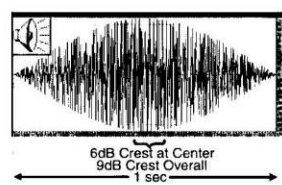
DC Resistance: 5.25 Ohms

Motional Impedance: 77 Ohms @ 67 Hz before P.T.

Minimum Impedance: 7.0 Ohms @ 250 Hz

Polarity: EIA positive voltage to RED terminal gives forward cone motion

Power Test: 60Hz to 600Hz sinewave enveloped pink noise
6dB CF noise + 3dB CF sine envelope duty cycle
45.8 V RMS 300W RMS




Special Notes: Cost reduced version of 2022H
Tinsel leadout between cone and spider

Weight: 14 lbs

| LTR | DESCRIPTION | DATE | APPR |
|---|---|---|---|
| A | INITIAL RELEASE | 3/9/01 | AVS |

**Design Engineer** Alex Salvatti

Model 2023H
2.83V @ 1m
8cf scaled box
Pro roof
EPR Unit #2

# SPL vs Freq

**Engineering Standard**
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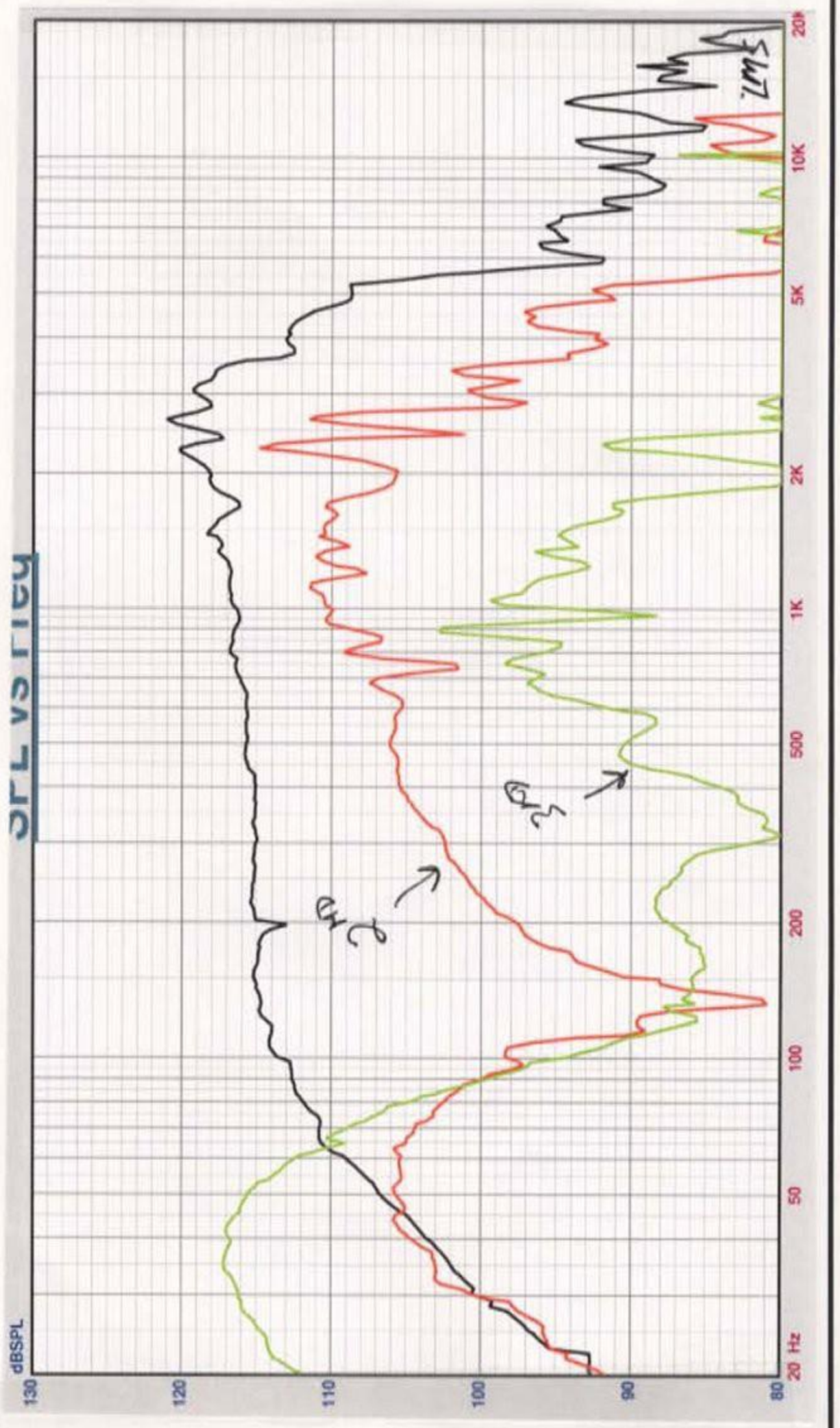
Model 2023H
28.3V and Distortion
Harmonics raised 20dB
8cf sealed box

EPR Unit #4



Model: 2023H

## Driver parameters

| | Before P.T. |
|---|---|
| Fs: | 67 Hz |
| Re: | 5.25 Ohms |
| Qms: | 5.5 |
| Qes: | 0.4 |
| Qts: | 0.37 |
| Vas: | 48.8 Liters |
| Mms: | 45 grams |
| Cms: | 115 uM/N |
| Bl: | 16.2 TM |
| Rme: | 50 |
| Sd: | 547 $cm^2$ |
| Le: | 1.6 mH@1Khz |