21DM2000

VERIFIED WITH KLIPPEL

- 21 inch
- 2000 Watts
- 98 dB
- 36 ~ 800 Hz

KEY FEATURES:

① 4000 W continuous program power capacity
② 98dB Sensitivity 1w/1m
③ 36Hz ~800Hz frequency response range
④ 152mm(6") high temperature inside/outside copper voice coil
⑤ Peak to peak maximum excursion of 62mm
⑥ Double magnets allows a very high force factor and long driver excursion
⑦ Triple Conex dampers to retain good mechanical properties at high power
⑧ BL/Re maximized for loaded applications

GENERAL SPECIFICATIONS

Nominal Diameter	530mm / 21inch
Rated Impedance	8 ohm
Nominal Power handling[1]	2000 Watts
Program Power[2]	4000 Watts
Sensitivity(1w/1m)[3]	98 dB
Frequency Range[4]	36 ~ 800Hz
Minimum Impedance(Zmin)	7.2 ohm
Voice Coil Diameter	152mm / 6inch
Voice Coil Material	Copper
Former Material	Glass Fiber
Voice Coil Winding Depth	34 mm
Number of layers	2(inside/outside)
Magnet gap depth	14 mm
Basket	Cast Aluminum
Flux Density	1.2 T
Magnet Out Diameter/Wgt	330mm / 400oz

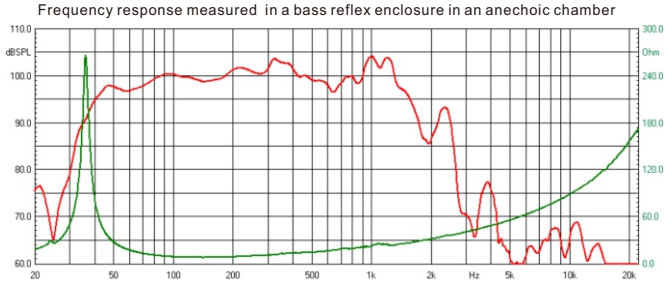
THIELE – SMALL PARAMETERS[5]

Resonance frequency	Fs	36 Hz
DC resistance	Re	5.7 ohm
Mechanical factor	Qms	14.1
Electrical factor	Qes	0.301
Total factor	Qts	0.295
Mechanical compliance	Cms	0.04 mm/N
Mechanical resistance of total-driver losses	Rms	7.5 kg/s
Effective Moving Mass	Mms	462 g
Half-space efficiency	Eff	2.5 %
BL Factor	BL	43.8 T.m
Equivalent Cas air load	Vas	166 liters
Effective piston area	Sd	0.1676 m^2
Max. linear excursion[6]	Xmax	±13.5 mm
Max. excursion before damage	Xdam	±31 mm
Voice coil inductance(1kHz)	Le	2.2 mH
Efficiency Bandwidth Product	EBP	120

MOUNTING INFORMATION

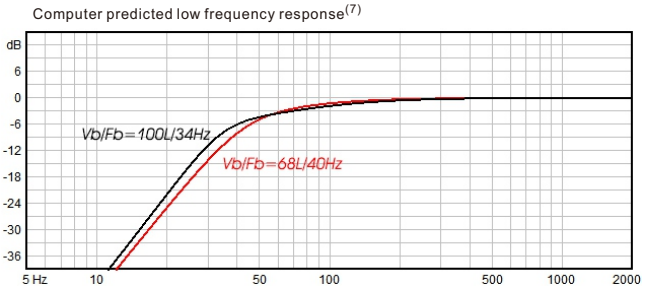
Overall Diameter	545 mm
Bolt Circle Diameter	520 mm
Bolt Hole Diameter	8.5 mm
Baffle Cutout Diameter	495 mm
Overall Depth	234 mm
Air volume occupied by driver	17.5 liters
Net Weight	34.4 kg
Shipping Weight	35.9 kg
Shipping Box	570x570x270mm

Frequency response measured in a bass reflex enclosure in an anechoic chamber



Impedance magnitude curve measured in free air

Computer predicted low frequency response[7]



NOTES:

1. AES standard
2. Program Power is defined as 3 dB greater than the nominal power handling.
3. Sensitivity is measured at 1W input on rated impedance at 1m on axis.
4. Frequency range is defined as the band of frequencies delineated by the lower and upper limits where the output level drops by 10dB below the rated sensitivity.
5. Thiele-Small parameters are measured with Klippel DA LPM module BEFORE preconditioning test.
6. The maximum linear excursion is calculated as: (Hvc-Hg)/2+Hg/4 where Hvc is the voice coil depth and Hg is the gap depth.
7. Vb: Net internal volume of box after subtracting the volume of internal objects.