

E2618

VERIFIED WITH
KLIPPEL

☀ **18 inch** ☀ **1600 Watts**
☀ **96.5 dB** ☀ **37 ~ 500 Hz**

**KEY FEATURES:**

- ① 3200 W continuous program power capacity
- ② 96.5dB Sensitivity 1w/1m
- ③ 37Hz ~500Hz frequency response range
- ④ 134mm(5.3") high temperature inside/outside copper voice coil
- ⑤ Heavy duty Y35 ferrite magnet, 30mm in height
- ⑥ FEA optimized magnetic circuit
- ⑦ Silicone double Conex dampers with optimized compliance
- ⑧ Optimized for the use in high power subwoofer applications

GENERAL SPECIFICATIONS

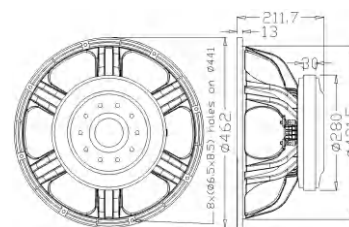
Nominal Diameter	460mm / 18inch
Rated Impedance	8 ohm
Nominal Power handling	1600 Watts
Program Power	3200 Watts
Sensitivity(1w/1m)	96.5 dB
Frequency Range	37 ~ 500Hz
Minimum Impedance(Zmin)	7.4 ohm
Voice Coil Diameter	134mm / 5.3inch
Voice Coil Material	Copper
Former Material	Glass Fiber
Voice Coil Winding Depth	33 mm
Number of layers	2(inside/outside)
Magnet gap depth	14 mm
Basket	Cast Aluminum
Flux Density	1.1 T
Magnet Out Diameter/Wgt	280mm / 233 oz

THIELE - SMALL PARAMETERS⁵

Resonance frequency	Fs	37 Hz
DC resistance	Re	5.6 ohm
Mechanical factor	Qms	14.6
Electrical factor	Qes	0.35
Total factor	Qts	0.34
Mechanical compliance	Cms	0.056mm/N
Mechanical resistance of total-driver losses	Rms	5.25 kg/s
Effective Moving Mass	Mms	330 g
Half-space efficiency	Eff	1.7 %
BL Factor	BL	35.8 T.m
Equivalent Cas air load	Vas	126 liters
Effective piston area	Sd	0.1256 m ²
Max. linear excursion ⁶	Xmax	±13 mm
Max. excursion before damage	Xdam	±25 mm
Voice coil inductance(1kHz)	Le	2.3 mH
Efficiency Bandwidth Product	EBP	109

MOUNTING INFORMATION

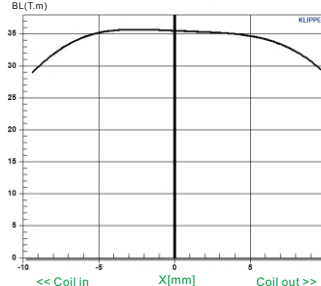
Overall Diameter	462 mm
Bolt Circle Diameter	441 mm
Bolt Hole Diameter	6.5x8.5 mm
Baffle Cutout Diameter	421.5 mm
Overall Depth	212 mm
Air volume occupied by driver	12.6 liters
Net Weight	20.8 kg
Shipping Weight	22.3 kg
Shipping Box	490x490x245mm



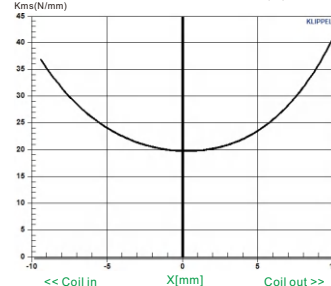
Frequency response measured in a closed enclosure of 600L in an anechoic chamber



Force factor BL(X)



Stiffness of suspension Kms(X)

**NOTES:**

- AES standard
- Program Power is defined as 3 dB greater than the nominal power handling.
- Sensitivity is measured at 1W input on rated impedance at 1m on axis.
- 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.
- Thiele-Small parameters are measured with Klippel DALPM module after preconditioning test.
- 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.
- Vb: Net internal volume of box after subtracting the volume of internal objects.