J6018/2 Code:19082

VERIFIED WITH KLIPPEL

- 18 inch
- 1400 Watts
- 97 dB
- 31 ~ 1000 Hz

KEY FEATURES:

① 2800 W continuous program power capacity
② 97dB Sensitivity 1w/1m
③ 31Hz ~1000Hz frequency response range
④ 115mm(4.5") inside/outside copper voice coil
⑤ 29 T.m BL
⑥ UKM paper cone, special treated cone for water protection
⑦ Dual spiders design with silicon based dampening control
⑧ Ideal for 80 to 190 Litres subwoofer cabinets[8]

GENERAL SPECIFICATIONS

Nominal Diameter	460mm / 18inch
Rated Impedance	8 ohm
Nominal Power handling[1]	1400 Watts
Program Power[2]	2800 Watts
Sensitivity(1w/1m)[3]	97 dB
Frequency Range[4]	31 ~ 1000Hz
Minimum Impedance(Zmin)	7.3 ohm
Voice Coil Diameter	115mm / 4.5inch
Voice Coil Material	Copper
Former Material	Glass Fiber
Voice Coil Winding Depth	32 mm
Number of layers	2(inside/outside)
Magnet gap depth	15 mm
Basket	Cast Aluminum
Flux Density	1.0 T
Magnet Out Diameter/Wgt	245mm / 190 oz

THIELE – SMALL PARAMETERS[5]

Resonance frequency	Fs	31 Hz
DC resistance	Re	5.4 ohm
Mechanical factor	Qms	10
Electrical factor	Qes	0.33
Total factor	Qts	0.32
Mechanical compliance	Cms	0.105mm/N
Mechanical resistance of total-driver losses	Rms	4.89 kg/s
Effective Moving Mass	Mms	252 g
Half-space efficiency	Eff	1.94%
BL Factor	BL	29 T.m
Equivalent Cas air load	Vas	223 liters
Effective piston area	Sd	0.1238 m^2
Max. linear excursion[6]	Xmax	±12 mm
Max. excursion before damage	Xdam	±25.5mm
Voice coil inductance(1kHz)	Le	1.9 mH
Efficiency Bandwidth Product	EBP	94

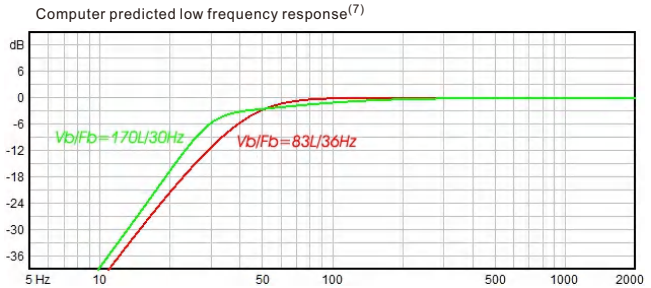
MOUNTING INFORMATION

Overall Diameter	466.5 mm
Bolt Circle Diameter	442 mm
Bolt Hole Diameter	6.5 mm
Baffle Cutout Diameter	423 mm
Overall Depth	215 mm
Air volume occupied by driver	11 liters
Net Weight	16 kg
Shipping Weight	17.5 kg
Shipping Box	490x490x245mm

Frequency response measured in a closed enclosure of 600L 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 after an AES power preconditioning test and represent the expected long term parameters after a short term of use.
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.
8. Total internal volume of empty box.