

# *American Bass*

*"Excellence In Sound"*

**USER MANUAL**

**TITANIUM SERIES  
SLIM SUBS**

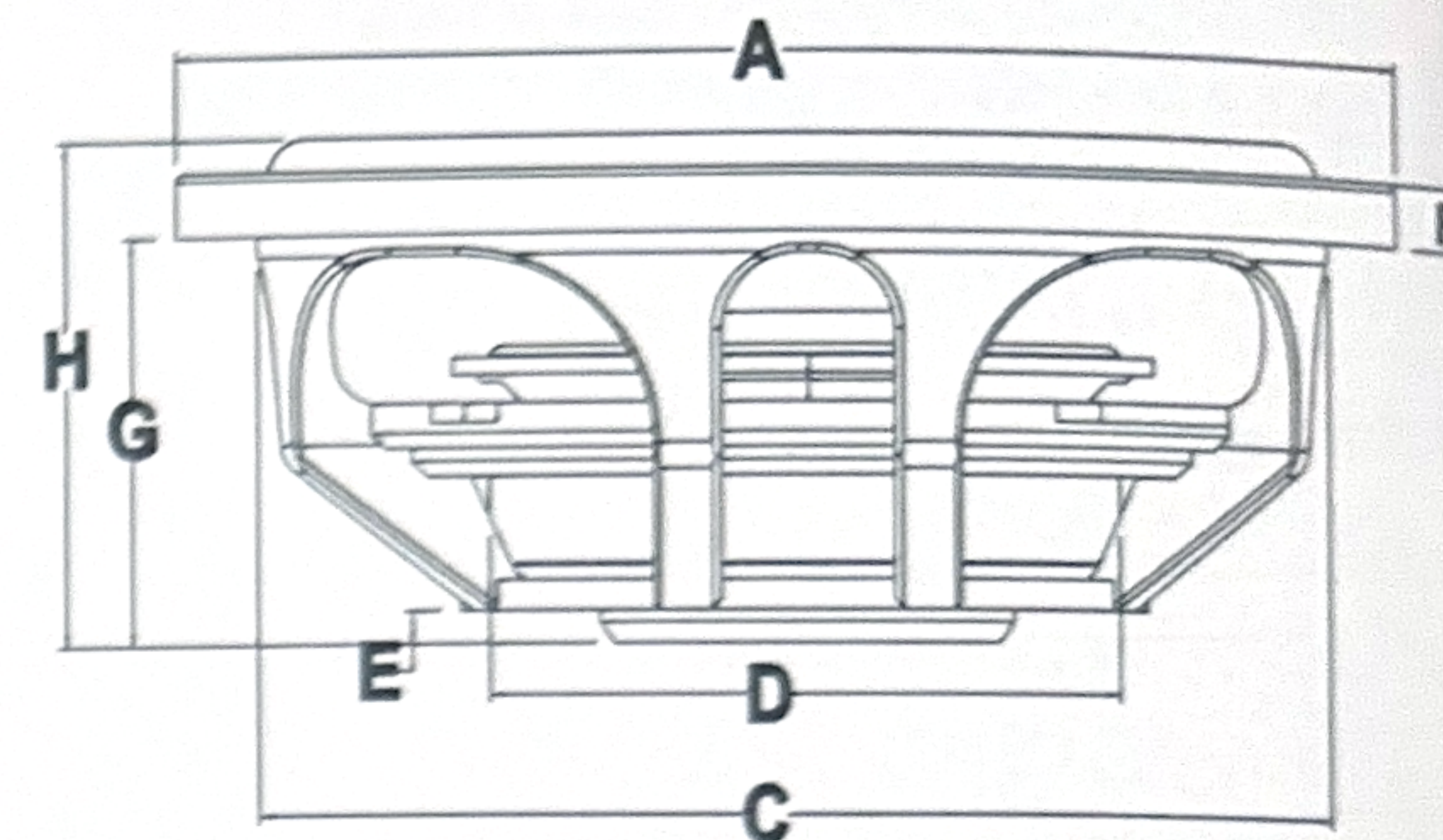
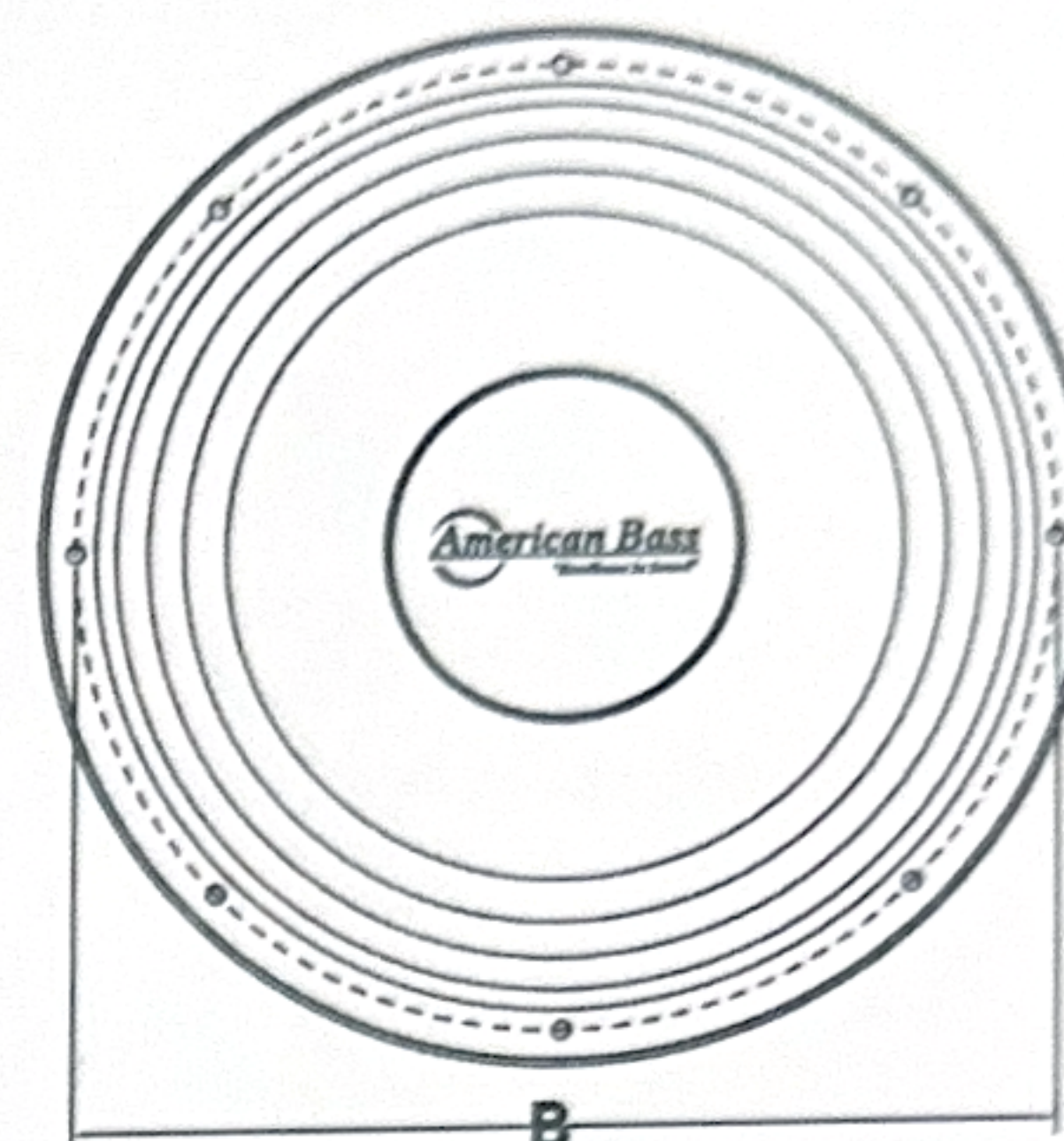
**TM-822 TM-844  
TM-1022 TM-1044  
TM-1222 TM-1244**

# TITANIUM series

## TM-822/844 slim subs

### Specifications and features:

Heavy duty die cast basket with white coating;  
Rigid and light sandwich composite cone;  
EROM rubber surround;  
2.0" 4-layer pure copper wire voice coil;  
PP coated paper dust cap with logo print;  
1-pc 2-layer reliable black poly-cotton spider;  
40oz Strontium magnet;  
Bumped T-yoke for high excursion;  
Screw terminals;  
Plastic gasket;  
Dual 2-ohm (TM-822) or dual 4-ohm (TM-844) Impedance;  
One way excursion: 15mm(0.59inch);  
300W RMS power and 600W MAX power



| SIZE       | UNIT | TM-822<br>TM-844 |
|------------|------|------------------|
| Diameter A | mm   | 215              |
| Diameter B | mm   | 199              |
| Diameter C | mm   | 185              |
| Diameter D | mm   | 72               |
| Depth E    | mm   | 9                |
| Depth F    | mm   | 14               |
| Depth G    | mm   | 71               |
| Depth H    | mm   | 93               |
| Vd         | L    | 0.84             |

### TM 8" slim subs T/S Parameters

|                | Model   | Imp | Re  | Fs     | SD     | BL     | Qms   | Qes   | Qts   | SPLo | Vas   | Cms     | Mms    | Mmd    | Xmax |
|----------------|---------|-----|-----|--------|--------|--------|-------|-------|-------|------|-------|---------|--------|--------|------|
| VC config.     | SPEAKER | ohm | ohm | Hz     | msqM   | Tm     |       |       |       | dB   | L     | µm/N    | g      | g      | ±mm  |
| VC in parallel | TM-822  | 1   | 0.9 | 45.669 | 21.382 | 5.972  | 5.684 | 0.602 | 0.544 | 84.4 | 9.482 | 132.756 | 94.822 | 91.226 | 6    |
| VC in series   | TM-822  | 4   | 3.8 | 45.084 | 21.382 | 11.854 | 5.445 | 0.626 | 0.561 | 84.6 | 9.533 | 131.434 | 94.317 | 90.721 | 6    |
| VC in parallel | TM-844  | 2   | 1.7 | 46.287 | 21.382 | 10.736 | 4.991 | 0.471 | 0.429 | 83.3 | 9.362 | 128.855 | 89.892 | 86.296 | 6    |
| VC in series   | TM-844  | 8   | 6.8 | 45.937 | 21.382 | 20.281 | 5.487 | 0.531 | 0.487 | 83.6 | 9.319 | 129.225 | 90.501 | 86.905 | 6    |

\*Above parameters are tested after each subwoofer was break-ined under 300W(50Hz) power for 4hours.

\*Due to continuous pursuit of performance, specifications change without prior notice.

## TM 10"&12" slim subs

## TITANIUM series

### Specifications and features:

Heavy duty stamped basket with white coating;  
Rigid and light sandwich composite cone;  
EROM rubber surround;

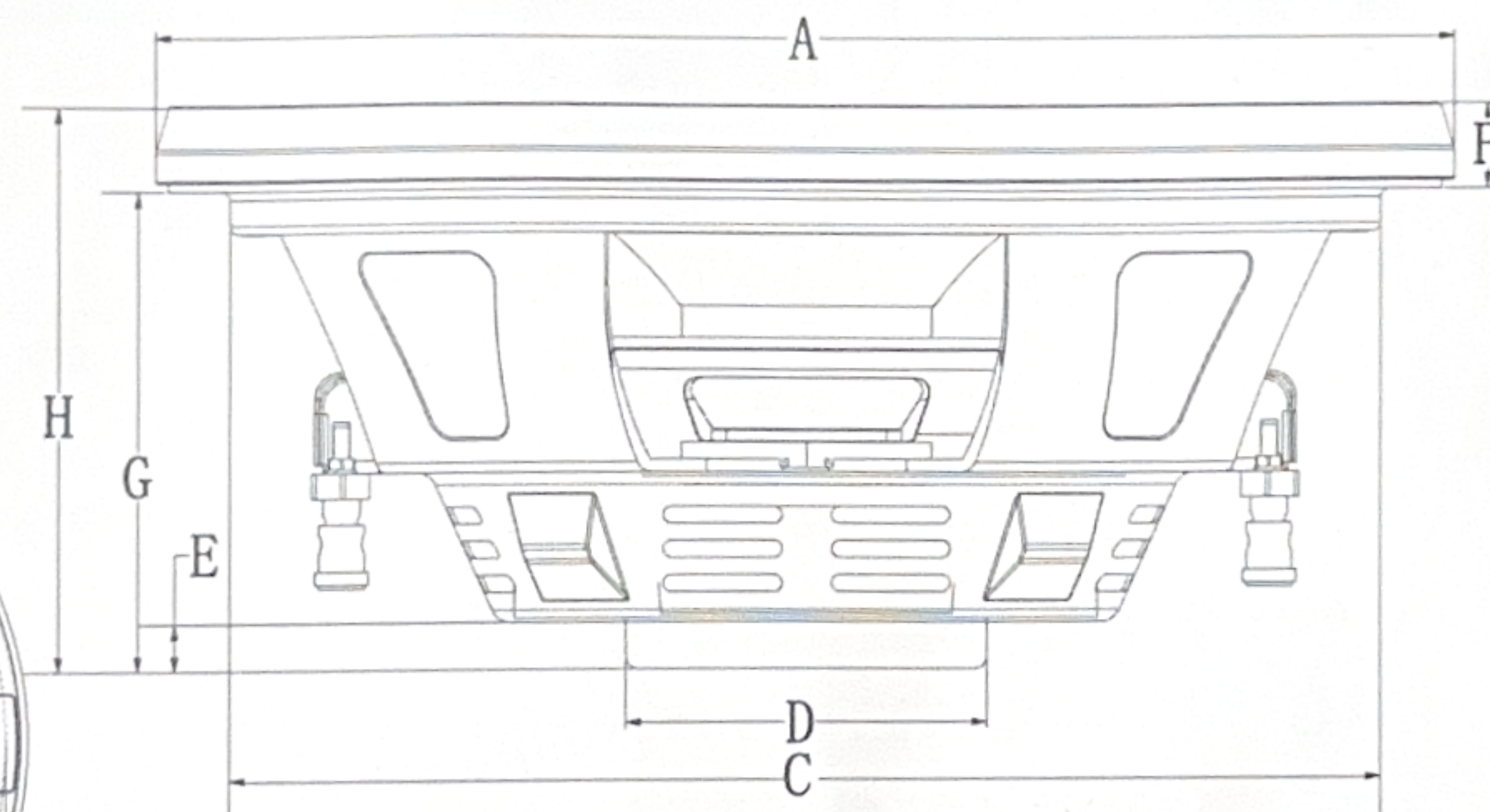
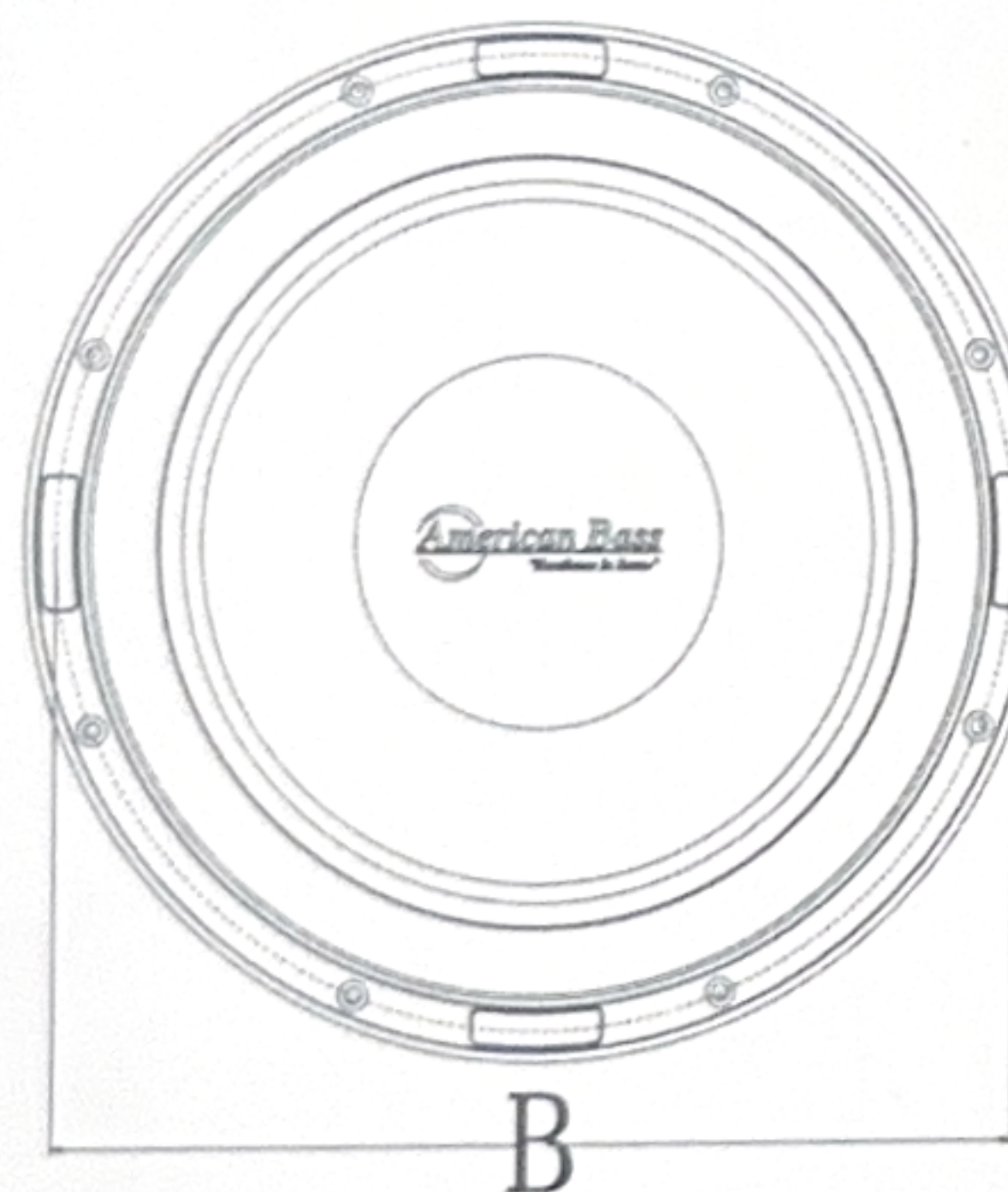
2.5" 4-layer pure copper wire voice coil;  
PP coated paper dust cap with logo print;  
1-pc 2-layer reliable black poly-cotton spider;  
70oz strontium magnet;

Direct VC cooling motor design;  
Chrome push terminals; Plastic gasket;  
Dual 2-ohm or dual 4-ohm Impedance;

One way excursion: 21mm (0.83inch);

500W RMS power and 1000W MAX power (TM-1022/TM-1044)

600W RMS power and 1200W MAX power (TM-1222/TM-1244)



| SIZE       | UNIT | TM-1022<br>TM-1044 | TM-1222<br>TM-1244 |
|------------|------|--------------------|--------------------|
| Diameter A | mm   | 262                | 316                |
| Diameter B | mm   | 246                | 296                |
| Diameter C | mm   | 232                | 282                |
| Diameter D | mm   | 84                 | 88                 |
| Depth E    | mm   | 10                 | 10                 |
| Depth F    | mm   | 18                 | 18                 |
| Depth G    | mm   | 100                | 113                |
| Depth H    | mm   | 118                | 131                |
| Vd         | L    | 1.66               | 2.94               |

## TM 10"&12" slim subs T/S Parameters

|                | Model   | Imp | Re  | Fs     | SD     | BL     | Qms   | Qes   | Qts   | SPLo | Vas    | Cms     | Mms     | Mmd     | Xmax |
|----------------|---------|-----|-----|--------|--------|--------|-------|-------|-------|------|--------|---------|---------|---------|------|
| VC config.     | SPEAKER | ohm | ohm | Hz     | msqM   | Tm     |       |       |       | dB   | L      | µm/N    | g       | g       | ±mm  |
| VC in parallel | TM-1022 | 1   | 0.9 | 32.612 | 34.636 | 8.079  | 6.304 | 0.507 | 0.469 | 84.4 | 25.615 | 152.756 | 149.373 | 141.961 | 11   |
| VC in series   | TM-1022 | 4   | 3.8 | 33.132 | 34.636 | 15.349 | 6.367 | 0.504 | 0.467 | 84.6 | 26.213 | 153.877 | 149.954 | 142.541 | 11   |
| VC in parallel | TM-1044 | 2   | 1.7 | 34.371 | 34.636 | 9.994  | 4.330 | 0.554 | 0.491 | 85.4 | 28.250 | 165.355 | 130.624 | 123.211 | 12   |
| VC in series   | TM-1044 | 8   | 6.8 | 34.244 | 34.636 | 19.531 | 4.356 | 0.494 | 0.444 | 85.5 | 28.551 | 167.601 | 128.884 | 121.471 | 12   |
| VC in parallel | TM-1222 | 1   | 0.9 | 29.222 | 53.093 | 8.394  | 5.831 | 0.471 | 0.436 | 87.1 | 65.151 | 164.777 | 179.236 | 165.167 | 11   |
| VC in series   | TM-1222 | 4   | 3.8 | 29.346 | 53.093 | 16.643 | 5.601 | 0.452 | 0.418 | 87.5 | 65.959 | 164.784 | 178.501 | 164.432 | 11   |
| VC in parallel | TM-1244 | 2   | 1.7 | 30.744 | 53.093 | 10.564 | 4.779 | 0.485 | 0.441 | 87.5 | 67.227 | 167.950 | 170.479 | 156.410 | 12   |
| VC in series   | TM-1244 | 8   | 6.8 | 30.784 | 53.093 | 21.721 | 4.714 | 0.458 | 0.417 | 87.8 | 67.352 | 168.262 | 169.704 | 155.636 | 12   |

\*Above parameters are tested after each subwoofer was break-in under 600W(50Hz) power for 4hours.

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