

21" NNV-2100



Sub Bass

Voice coil : 100 mm.(4 ชั้น)

Magnet : 220x38

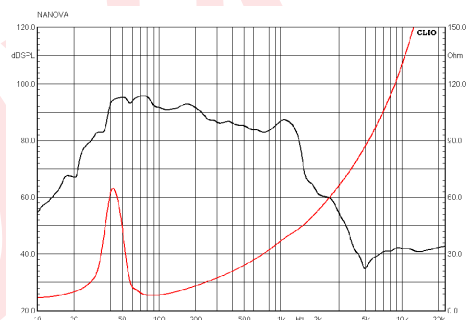
Max Power : 1200 Watts.

Impedance : 8 Ohm.

T/S Parameter

Model : NNV-2100

F _s	38.6330 Hz	V _{AS}	105.2113 L	R _E	5.3000 Ω
Q _{MS}	6.5102	Q _{ES}	0.4636	Q _{TS}	0.4328
BL	38.8850 Tm	dB _{SPL}	93.1908	S _D	0.1555 m ²
C _{MS}	0.0311 mm/N	M _{MS}	544.8527 g	R _{MS}	20.3154 Ω _M
C _{AS}	7.53E-0007 m ⁵ /N	M _{AS}	22.52 kg/m ⁴	R _{AS}	840 Ω _A
C _{MES}	360.3419 μF	L _{CES}	47.0986 mH	R _{ES}	74.4284 Ω
R _{AT}	12634 Ω _A	R _{MT}	305.6068 Ω _M	M _{MD}	510.1366 g
Z _{MIN}	8.0639 Ω	Z _{MAX}	79.7284 Ω	Z _{AVG}	51.8523 Ω
η ₀	1.2563 %	L _{1kHz}	4.4875 mH	L _{10kHz}	1.5601 mH



21" NNV-211A

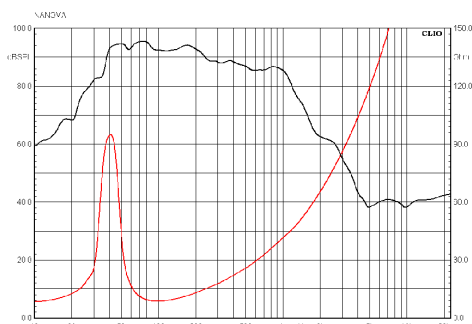
Sub Bass

Voice coil : 100 mm.(4 ชั้น พันนอกพันใน)

Magnet : 220x30

Max Power : 1200 Watts.

Impedance : 8 Ohm.



T/S Parameter

Model : NNV-211A

F _s	39.5156 Hz	V _{AS}	180.9538 L	R _E	5.3000 Ω
Q _{MS}	7.3882	Q _{ES}	0.3911	Q _{TS}	0.3715
BL	31.9174 Tm	dB _{SPL}	96.5782	S _D	0.1555 m ²
C _{MS}	0.0536 mm/N	M _{MS}	302.7989 g	R _{MS}	10.1756 Ω _M
C _{AS}	1.30E-0006 m ⁵ /N	M _{AS}	12.52 kg/m ⁴	R _{AS}	421 Ω _A
C _{MES}	297.2344 μF	L _{CES}	54.5763 mH	R _{ES}	100.1138 Ω
R _{AT}	8367 Ω _A	R _{MT}	202.3871 Ω _M	M _{MD}	268.0827 g
Z _{MIN}	9.1179 Ω	Z _{MAX}	105.4138 Ω	Z _{AVG}	68.3062 Ω
η ₀	2.7404 %	L _{1kHz}	5.4957 mH	L _{10kHz}	2.5472 mH

18" NNV-181A



Sub Bass

Voice coil : 100 mm.(4 ชั้น พันนอกพันใน)

Magnet : 220x30

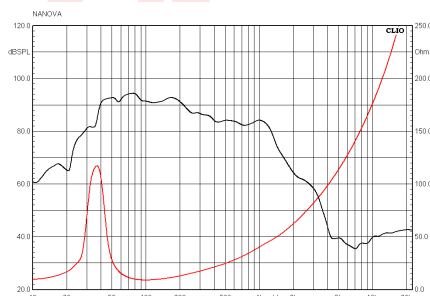
Max Power : 1200 Watts.

Impedance : 8 Ohm.

T/S Parameter

Model : NNV-181A

F _s	36.9266 Hz	V _{AS}	144.1611 L	R _E	5.3000 Ω
Q _{MS}	6.8850	Q _{ES}	0.3345	Q _{TS}	0.3190
Bl	31.5171 Tm	dBSPL	95.3875	S _D	0.1225 m ²
C _{MS}	0.0688 mm/N	M _{MS}	270.1974 g	R _{MS}	9.1053 Ω _M
C _{AS}	1.03E-0006 m ⁵ /N	M _{AS}	17.99 kg/m ⁴	R _{AS}	606 Ω _A
C _{MES}	272.0119 μF	L _{CES}	68.2927 mH	R _{ES}	109.0938 Ω
R _{AT}	13087 Ω _A	R _{MT}	196.5260 Ω _M	M _{MD}	245.9178 g
Z _{MIN}	8.8441 Ω	Z _{MAX}	114.3938 Ω	Z _{AVG}	66.3715 Ω
η ₀	2.0833 %	L _{1kHz}	5.3058 mH	L _{10kHz}	2.4203 mH



18" NV-1834

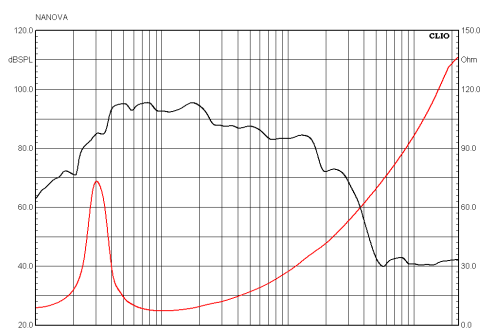
Sub Bass

Voice coil : 75 mm.(4 ชั้น)

Magnet : 220x20

Max Power : 1000 Watts.

Impedance : 8 Ohm.



T/S Parameter

Model : NV-1834

F _s	30.4758 Hz	V _{AS}	298.8747 L	R _E	6.1000 Ω
Q _{MS}	4.9315	Q _{ES}	0.4536	Q _{TS}	0.4154
Bl	22.1963 Tm	dBSPL	94.7291	S _D	0.1225 m ²
C _{MS}	0.1425 mm/N	M _{MS}	191.3412 g	R _{MS}	7.4296 Ω _M
C _{AS}	2.14E-0006 m ⁵ /N	M _{AS}	12.74 kg/m ⁴	R _{AS}	495 Ω _A
C _{MES}	388.3729 μF	L _{CES}	70.2234 mH	R _{ES}	66.3127 Ω
R _{AT}	5873 Ω _A	R _{MT}	88.1958 Ω _M	M _{MD}	167.0615 g
Z _{MIN}	7.0858 Ω	Z _{MAX}	72.4127 Ω	Z _{AVG}	40.0609 Ω
η ₀	1.7902 %	L _{1kHz}	3.4337 mH	L _{10kHz}	1.1775 mH

18" NV-1800

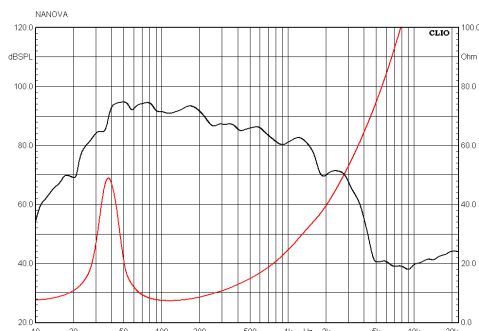
Sub Bass

Voice coil : 75 mm. (4 ชั้น)

Magnet : 220x20

Max Power : 1000 Watts.

Impedance : 8 Ohm.



T/S Parameter

Model : NV-1800

Fs	37.4868 Hz	VAS	197.5338 L	RE	6.4000 Ω
QMS	4.2873	QES	0.6495	QTS	0.5640
BI	21.0734 Tm	dB SPL	94.0697	SD	0.1225 m²
CMS	0.0942 mm/N	MMS	191.3411 g	RMS	10.5121 ΩM
CAS	1.41E-0006 m⁵/N	MAS	12.74 kg/m⁴	RAS	700 ΩA
CMES	430.8637 μF	LCES	41.8353 mH	RES	42.2455 Ω
RAT	5321 ΩA	RMT	79.9007 ΩM	MMD	167.0614 g
ZMIN	7.3693 Ω	ZMAX	48.6455 Ω	ZAVG	42.4800 Ω
η0	1.5381 %	L1kHz	3.2827 mH	L10kHz	1.6187 mH

18" NV-1811

Sub Bass

Voice coil : 100 mm (4 ชั้น)

Magnet : 220x30

Max Power : 1200 Watts.

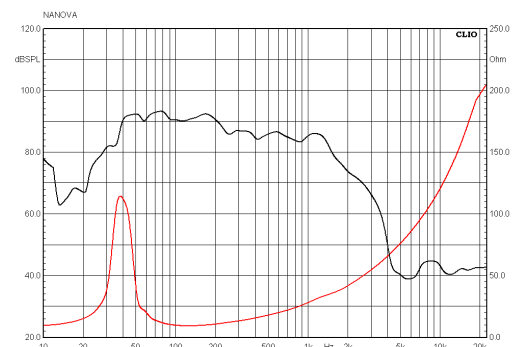
Impedance : 8 Ohm.



T/S Parameter

Model : NV-1811

Fs	37.9126 Hz	VAS	153.7071 L	RE	7.1000 Ω
QMS	6.0047	QES	0.4205	QTS	0.3930
BI	31.2529 Tm	dB SPL	95.0154	SD	0.1232 m²
CMS	0.0726 mm/N	MMS	242.8500 g	RMS	9.6342 ΩM
CAS	1.10E-0006 m⁵/N	MAS	16.01 kg/m⁴	RAS	635 ΩA
CMES	248.6325 μF	LCES	70.8785 mH	RES	101.3833 Ω
RAT	9704 ΩA	RMT	147.2035 ΩM	MMD	218.3854 g
ZMIN	9.3761 Ω	ZMAX	108.4833 Ω	ZAVG	49.0670 Ω
η0	1.9122 %	L1kHz	3.4827 mH	L10kHz	1.6067 mH



18" NV-1822



Sub Bass

Voice coil : 100 mm. (4 ชั้น)

Magnet : 220x25

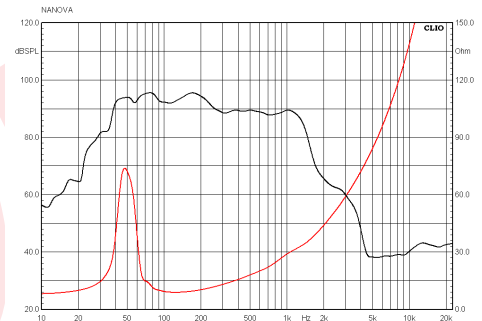
Max Power : 1200 Watts.

Impedance : 8 Ohm.

T/S Parameter

Model : NV-1822

F _s	47.3421 Hz	V _{AS}	115.4979 L	R _E	7.1000 Ω
Q _{MS}	5.2161	Q _{ES}	0.6025	Q _{TS}	0.5401
BL	29.1758 Tm	dBSPL	95.1061	S _D	0.1333 m ²
C _{MS}	0.0465 mm/N	M _{MS}	242.8501 g	R _{MS}	13.8491 Ω _M
C _{AS}	8.27E-0007 m ⁵ /N	M _{AS}	13.66 kg/m ⁴	R _{AS}	779 Ω _A
C _{MES}	285.2939 μF	L _{CES}	39.6143 mH	R _{ES}	61.4643 Ω
R _{AT}	7525 Ω _A	R _{MT}	133.7404 Ω _M	M _{MD}	215.2987 g
Z _{MIN}	8.7762 Ω	Z _{MAX}	68.5643 Ω	Z _{AVG}	50.9346 Ω
η ₀	1.9526 %	L _{1kHz}	3.6271 mH	L _{10kHz}	1.9334 mH



18" NNV-1838

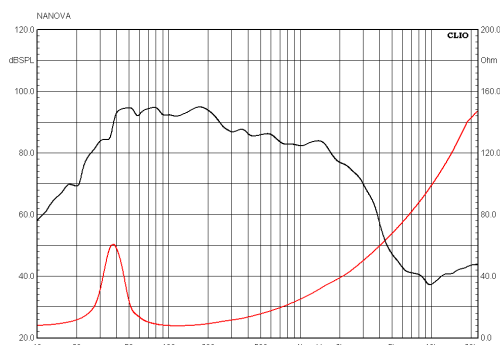
Sub Bass ให้เสียงซับเบสที่นุ่ม

Voice coil : 75 mm. (4 ชั้น)

Magnet : 220x20

Max Power : 600-1200 Watts.

Impedance : 8 Ohm.



T/S Parameter

Model : NNV-1838

F _s	36.9266 Hz	V _{AS}	191.6411 L	R _E	7.1000 Ω
Q _{MS}	4.7446	Q _{ES}	0.6214	Q _{TS}	0.5494
BL	21.9385 Tm	dBSPL	93.9343	S _D	0.1158 m ²
C _{MS}	0.1023 mm/N	M _{MS}	181.5420 g	R _{MS}	8.8776 Ω _M
C _{AS}	1.37E-0006 m ⁵ /N	M _{AS}	13.54 kg/m ⁴	R _{AS}	662 Ω _A
C _{MES}	377.1940 μF	L _{CES}	49.2490 mH	R _{ES}	54.2144 Ω
R _{AT}	5716 Ω _A	R _{MT}	76.6658 Ω _M	M _{MD}	159.2348 g
Z _{MIN}	7.7282 Ω	Z _{MAX}	61.3144 Ω	Z _{AVG}	39.2389 Ω
η ₀	1.4909 %	L _{1kHz}	3.1413 mH	L _{10kHz}	1.2815 mH

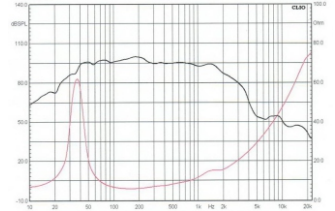
N77 SERIES

18" NV-18N77



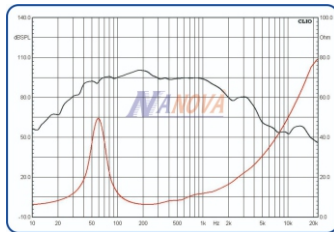
Mid Bass

Voice coil : 100 mm.(CCAR)
Magnet : 220x20
Max Power : 1200 Watts.
Sensitivity : 96 dB
Frequency : 20 Hz.-2 kHz.
Impedance : 8 Ohm.



F _s	37.4868 Hz.	V _{AS}	283.4869 L	R _E	4.9000 Ω
Q _{MS}	5.0219	Q _{ES}	0.4332	Q _{TS}	0.3988
B-I	20.3058 T-m	dBSPL	97.3976	S _D	0.1320 M ²
C _{MS}	0.1165 mm/N	M _{MS}	154.7617 g	R _{MS}	7.2586 Ω _M
C _{AS}	2.03E-0006 M ² /N	M _{AS}	8.88 kg/m ³	R _{AS}	416 Ω _A
C _{MES}	375.3380 μF	L _{CES}	48.0242 mH	R _{ES}	56.8049 Ω
R _{AT}	5244 Ω _A	R _{MT}	91.4069 Ω _M	M _{MD}	127.6069 g
Z _{MIN}	5.8022 Ω	Z _{MAX}	61.7049 Ω	Z _{AVG}	21.5343 Ω
η _o	3.3095 %	L _{1kHz}	1.2467 mH	L _{10kHz}	0.6403 mH

15" NV-15N77



Mid Bass

Voice coil : 100 mm.(CCAR)
Magnet : 220x20
Max Power : 1000 Watts.
Sensitivity : 95 dB
Frequency : 20 Hz.-2 kHz.
Impedance : 8 Ohm.

F _s	53.4032 Hz.	V _{AS}	53.8829 L	R _E	4.9000 Ω
Q _{MS}	5.8994	Q _{ES}	0.2291	Q _{TS}	0.2205
B-I	23.2705 T-m	dBSPL	97.5640	S _D	0.0573 M ²
C _{MS}	0.1177 mm/N	M _{MS}	75.4551 g	R _{MS}	4.2917 Ω _M
C _{AS}	3.86E-0007 M ² /N	M _{AS}	23.02 kg/m ³	R _{AS}	1309 Ω _A
C _{MES}	139.3403 μF	L _{CES}	63.7425 mH	R _{ES}	126.1784 Ω
R _{AT}	35021 Ω _A	R _{MT}	114.8053 Ω _M	M _{MD}	67.7008 g
Z _{MIN}	6.3847 Ω	Z _{MAX}	131.0784 Ω	Z _{AVG}	27.7660 Ω
η _o	3.4388 %	L _{1kHz}	1.0101 mH	L _{10kHz}	0.6900 mH

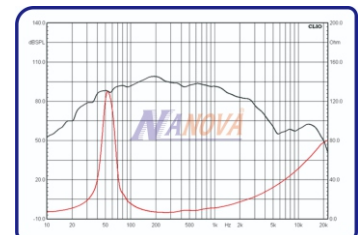


12" NV-12N77



Mid Bass

Voice coil : 100 mm.(CCAR)
Magnet : 220x20
Max Power : 1000 Watts.
Sensitivity : 93 dB
Frequency : 20 Hz.-2 kHz.
Impedance : 8 Ohm.



F _s	53.4032 Hz.	V _{AS}	53.8829 L	R _E	4.9000 Ω
Q _{MS}	5.8994	Q _{ES}	0.2291	Q _{TS}	0.2205
B-I	23.2705 T-m	dBSPL	97.5640	S _D	0.0573 M ²
C _{MS}	0.1177 mm/N	M _{MS}	75.4551 g	R _{MS}	4.2917 Ω _M
C _{AS}	3.86E-0007 M ² /N	M _{AS}	23.02 kg/m ³	R _{AS}	1309 Ω _A
C _{MES}	139.3403 μF	L _{CES}	63.7425 mH	R _{ES}	126.1784 Ω
R _{AT}	35021 Ω _A	R _{MT}	114.8053 Ω _M	M _{MD}	67.7008 g
Z _{MIN}	6.3847 Ω	Z _{MAX}	131.0784 Ω	Z _{AVG}	27.7660 Ω
η _o	3.4388 %	L _{1kHz}	1.0101 mH	L _{10kHz}	0.6900 mH

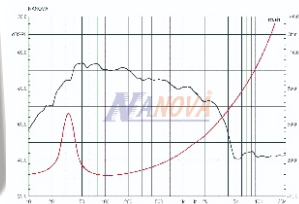
Goodwin Series

18" NNV-180



Sub Bass

Voice coil : 75 mm.(4 ชั้น)
Magnet : 220x20
Max Power : 1000 Watts.
Impedance : 8 Ohm.

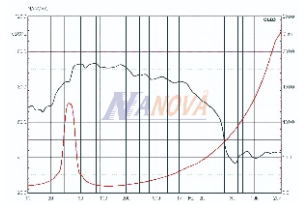


18" NNV-181



Sub Bass

Voice coil : 100 mm.(4 ชั้น)
Magnet : 220x30
Max Power : 1200 Watts.
Impedance : 8 Ohm.

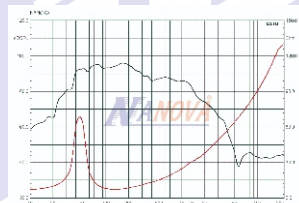


15" NV-1534



Sub Bass

Voice coil : 75 mm.(4 ชั้น)
Magnet : 180x20
Max Power : 400-600 Watts.
Impedance : 8 Ohm.

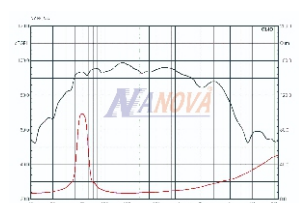


15" NANO-1591V



Mid Bass

Voice coil : 75 mm.2 ชั้น(CCAW)
Magnet : 220x20
Max Power : 800 Watts.
Impedance : 8 Ohm.

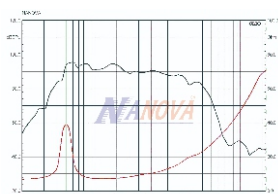


15" NV-1523



Mid Bass

Voice coil : 60.5 mm.(2 ชั้น)
Magnet : 156x20
Max Power : 450 Watts.
Impedance : 8 Ohm.



15" NANO-1591A



Mid Bass

Voice coil : 75 mm.2 ชั้น (CCA W)
Magnet : 220x20
Max Power : 800 Watts.
Impedance : 8 Ohm.



15" NV-1564



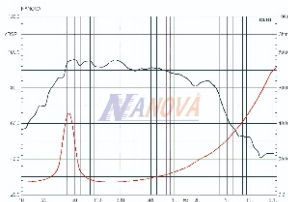
Mid Bass

Voice coil : 65 mm. 2 ชั้น (SV)

Magnet : 156x20

Max Power : 400 Watts.

Impedance : 8 Ohm.



15" NV-1580



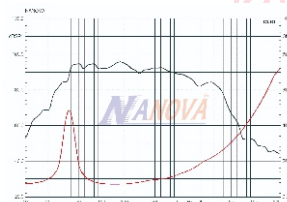
Mid Bass

Voice coil : 65 mm. 2 ชั้น (SV)

Magnet : 180x20

Max Power : 500 Watts.

Impedance : 8 Ohm.



15" NV-1514



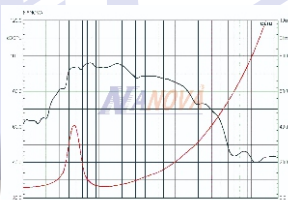
Sub Bass

Voice coil : 64 mm. 4 ชั้น (SV)

Magnet : 156x20

Max Power : 500 Watts.

Impedance : 8 Ohm.



12" NV-1214



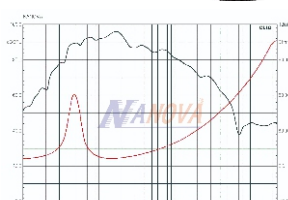
Sub Bass

Voice coil : 64 mm. (4 ชั้น) (SV)

Magnet : 156x20

Max Power : 500 Watts.

Impedance : 8 Ohm.



12" NV-1218G



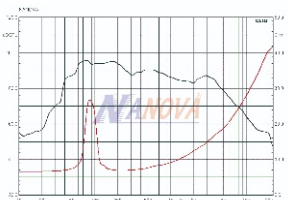
Guitar

Voice coil : 44 mm. 2 ชั้น (SV)

Magnet : 120x20

Max Power : 100-200 Watts.

Impedance : 8 Ohm.



12" NV-1225



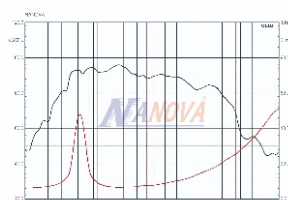
Mid Bass

Voice coil : 64 mm. 2 ชั้น (CCAW)

Magnet : 156x20

Max Power : 200-400 Watts.

Impedance : 8 Ohm.



12" NV-1245



Mid Bass
Voice coil : 45 mm.
Magnet : 145x20
Max Power : 450 Watts.
Impedance : 8 Ohm.

12" D-45



Mid Bass
Voice coil : 45 mm.
Magnet : 120x20
Max Power : 200 Watts.
Impedance : 8 Ohm.

10" NV-1020



Mid Bass
Voice coil : 45 mm.
Magnet : 120x20
Max Power : 200 Watts.
Impedance : 8 Ohm.

10" P-110



Mid Bass
Voice coil : 35.5 mm.
Magnet : 110x15
Max Power : 250 Watts.
Impedance : 8 Ohm.

10" P-100



Mid Bass
Voice coil : 35.5 mm.
Magnet : 100x15
Max Power : 150 Watts.
Impedance : 8 Ohm.

10" D-35



Mid Bass
Voice coil : 35.5 mm.
Magnet : 100x15
Max Power : 150 Watts.
Impedance : 8 Ohm.

10" D-26



Mid Bass
Voice coil : 26 mm.
Magnet : 80x15
Max Power : 80 Watts.
Impedance : 8 Ohm.

10" D-30



Mid Bass
Voice coil : 30.5 mm.
Magnet : 100x15
Max Power : 100 Watts.
Impedance : 8 Ohm.

8" D-835



Mid Bass
Voice coil : 35.5 mm.
Magnet : 100x15
Max Power : 150 Watts.
Impedance : 8 Ohm.

8" P-835



Mid Bass
Voice coil : 35.5 mm.
Magnet : 100x15
Max Power : 150 Watts.
Impedance : 8 Ohm.

8" D-88



Mid Bass
Voice coil : 25.9 mm.
Magnet : 80x15
Max Power : 80 Watts.
Impedance : 8 Ohm.

6" P-625



Mid Bass
Voice coil : 25.9 mm.
Magnet : 100x15
Max Power : 150 Watts.
Impedance : 8 Ohm.

6" D-625



Mid Bass
Voice coil : 25.9 mm.
Magnet : 100x15
Max Power : 150 Watts.
Impedance : 8 Ohm.

6" D-66



Mid Bass
Voice coil : 25.9 mm.
Magnet : 80x15
Max Power : 70 Watts.
Impedance : 8 Ohm.