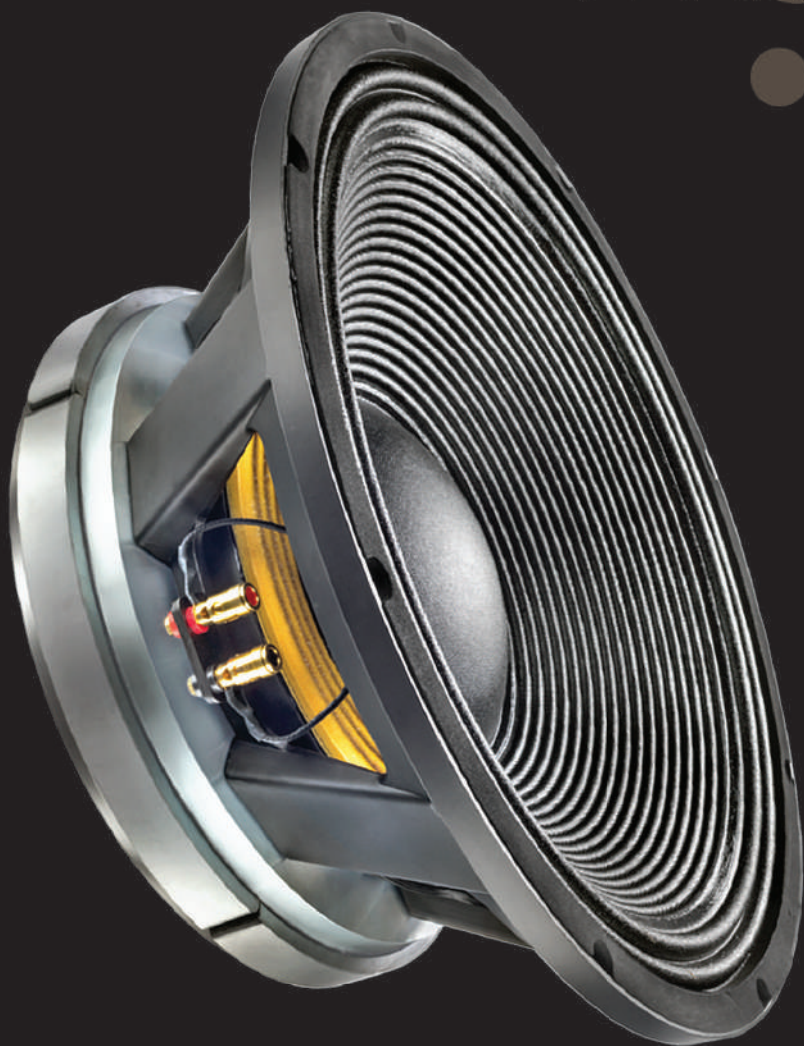


SWETON[®]

KOLKATA

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Since 1982



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Since 1982

PREFACE

Brand's Profile

Welcome to the world of

SWETON[®]
KOLKATA

The horizon where Four decades of experience meet futuristic ideas

Established in the year 1982, SWETON is one of the pioneer brands of India recognized as the market leader in Eastern India and also has strong presence in other parts of the country as well as overseas.

- SWETON symbolizes elegance, style and superior craftsmanship where each and every product is finest in technical superiority and aesthetic sophistication.
- SWETON believes in regular upgradation and development and a dedicated R&D Team works continuously with precision software and equipment.
- SWETON-Among the very few Indian Brands having an in-house wide variety of products of precision transducers for professional sound industries.
- Manufactured at the modern plant in Kolkata, every SWETON Product undergoes rigorous Quality Control test with many state of the art software and equipment to ensure trouble free long life.
- SWETON products are best in quality at an affordable price.

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IT SERIES

8 IT 200 MID

400 W Program
Power

51.2 mm (2 in)
Voice Coil

84- 5500 Hz
Response

95 dB
sensitivity



8IT 200 MID is a transducer which reproduces mid frequencies linearly and has excellent tonal quality. It has been designed specially for Line Array speaker system. Suitable for Bass Reflex/ Ported Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

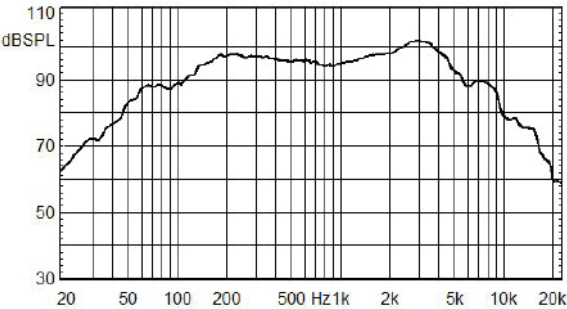
Specifications	
Nominal Diameter	209 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	200 W
Program Power	400 W
Sensitivity (1W/1m)	95 dB
Frequency Range	84 - 5500 Hz
Magnet Material	Ferrite
Voice Coil Diameter	51.2 mm (2 in)
Winding Material	CCAW
Former Material	Kapton
Winding Type	In/Out

Mounting Info	
Overall Diameter	209 mm
Bolt Circle Diameter	208 mm
Baffle Cutout Diameter	175 mm
Depth	95 mm
Flange and Gasket Thickness	12 mm
Gross Weight	3.2 Kg.

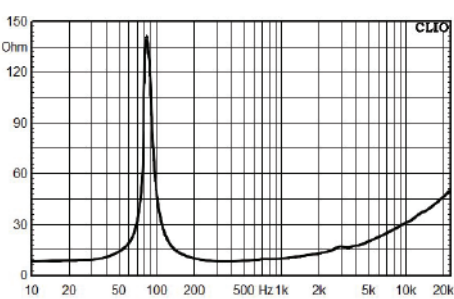
Parameters		
Resonant Frequency	<i>F_s</i>	84 Hz
DC Resistance	<i>R_e</i>	7 Ω
Electrical Q	<i>Q_{es}</i>	0.45
Mechanical Q	<i>Q_{ms}</i>	8.7
Total Q	<i>Q_{ts}</i>	0.43
Compliance Equivalent Volume	<i>V_{as}</i>	13 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.03 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	213.8 cm ²
Reference Efficiency	<i>η_o</i>	1.65%
Moving Mass including air load	<i>M_{ms}</i>	17.50 gms
Motor Strength	<i>Bl</i>	11.96 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	0.51 mH
Efficiency Bandwith Product	<i>EBP</i>	187 Hz
Voice Coil Overhang	<i>X_{max}</i>	±1.5 mm

Recone Kit	
Recone Kit Number	REC8IT200MID

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



8 IT 201 MB

400 W Program
Power

51.2 mm (2 in)
Voice Coil

80- 6000 Hz
Response

95 dB
sensitivity



8 IT 201 MB is a Mid Bass transducer which is designed for line array system. This transducer reproduces mid frequencies linearly with prominent short distance bass making it ideal mid bass transducer. Suitable for Bass Reflex/Ported Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

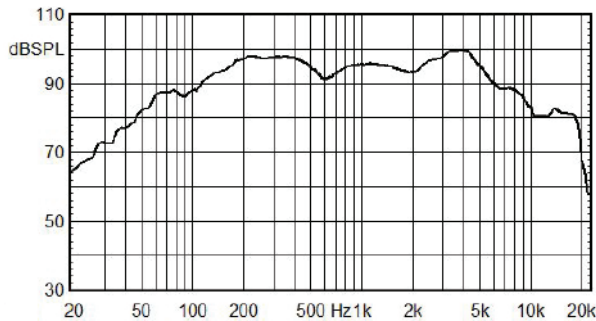
Specifications	
Nominal Diameter	208 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	200 W
Program Power	400 W
Sensitivity (1W/1m)	95 dB
Frequency Range	80-6000 Hz
Magnet Material	Ferrite
Voice Coil Diameter	51.2 mm (2 in)
Winding Material	CCAW
Former Material	Kapton
Winding Type	In/Out

Mounting Info	
Overall Diameter	208 mm
Baffle Cutout Diameter	186 mm
Depth	89 mm
Flange and Gasket Thickness	11 mm
Gross Weight	3.720 Kg.

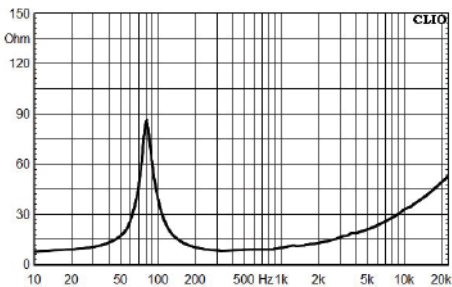
Parameters		
Resonant Frequency	<i>Fs</i>	81 Hz
DC Resistance	<i>Re</i>	7 Ω
Electrical Q	<i>Qes</i>	0.42
Mechanical Q	<i>Qms</i>	4.81
Total Q	<i>Qts</i>	0.39
Compliance Equivalent Volume	<i>Vas</i>	16 Ltrs
Peak Diaphragm Displacement Volume	<i>Vd</i>	0.03 Ltrs
Effective Surface Area of Cone	<i>Sd</i>	227 cm ²
Reference Efficiency	<i>η_0</i>	1.92%
Moving Mass including air load	<i>Mms</i>	17.40 gms
Motor Strength	<i>Bl</i>	12.11 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	0.60 mH
Efficiency Bandwith Product	<i>EBP</i>	193 Hz
Voice Coil Overhang	<i>Xmax</i>	±1.5 mm

Recone Kit	
Recone Kit Number	REC8IT201MB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



10 IT 400 MID

800 W Program
Power

76.2 mm (3 in)
Voice Coil

95-7000 Hz
Response

98 dB
sensitivity



This transducer in 3 Inch voice coil (underhung design) makes it one of the sharpest Mid range transducers in its category.

Tonal quality is crystal clear & very sharp and is advisable to use this in Line Array or Point source. Suitable for Bass Reflex/Ported Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

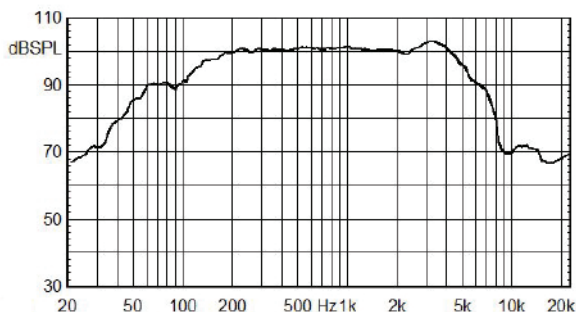
Specifications	
Nominal Diameter	261 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	400 W
Program Power	800 W
Sensitivity (1W/1m)	98 dB
Frequency Range	95-7000 Hz
Magnet Material	Ferrite
Voice Coil Diameter	76.2 mm (3 in)
Winding Material	CCAW
Former Material	Glass Fibre
Winding Type	In/Out

Mounting Info	
Overall Diameter	261 mm
Bolt Circle Diameter	245 mm
Baffle Cutout Diameter	234 mm
Depth	120 mm
Flange and Gasket Thickness	13 mm
Gross Weight	7.760 Kg.

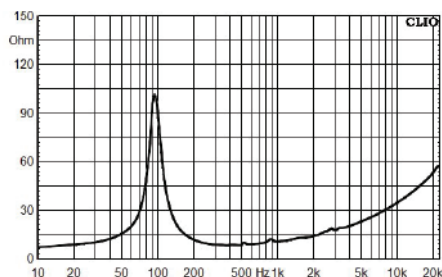
Parameters		
Resonant Frequency	<i>F_s</i>	95 Hz
DC Resistance	<i>R_e</i>	6.6 Ω
Electrical Q	<i>Q_{es}</i>	0.39
Mechanical Q	<i>Q_{ms}</i>	5.61
Total Q	<i>Q_{ts}</i>	0.37
Compliance Equivalent Volume	<i>V_{as}</i>	19 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.05 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	363.1 cm ²
Reference Efficiency	<i>η_0</i>	3.86%
Moving Mass including air load	<i>M_{ms}</i>	28.12 gms
Motor Strength	<i>Bl</i>	16.81 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	0.53 mH
Efficiency Bandwidth Product	<i>EBP</i>	244 Hz
Voice Coil Overhang	<i>X_{max}</i>	±1.50 mm

Recone Kit	
Recone Kit Number	REC10IT400MID

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



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MAKE IN INDIA



PT SERIES

12 PT 200 FR

400 W Program
Power

51.2 mm (2 in)
Voice Coil

45-10000 Hz
Response

95 dB
sensitivity



12 PT 200 FR is a transducer which is best used in religious ceremonies and indoor application because of reproduction of crystal clear mid frequencies and is best performed when complemented with 12 PT 200 MB which is a mid bass transducer. Suitable for both Sealed and Bass Reflex Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

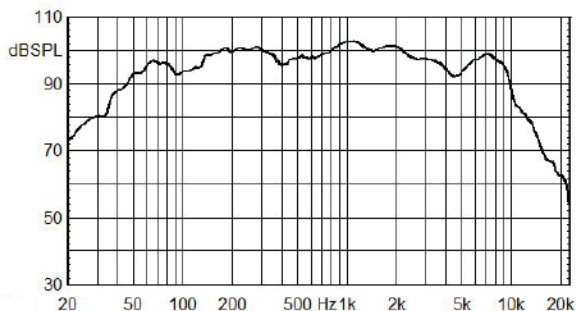
Specifications	
Nominal Diameter	321 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	200 W
Program Power	400 W
Sensitivity (1W/1m)	95 dB
Frequency Range	45-10000 Hz
Magnet Material	Ferrite
Voice Coil Diameter	51.2 mm (2 in)
Winding Material	CCAW
Former Material	KAPTON
Winding Type	Outside

Mounting Info	
Overall Diameter	321 mm
Bolt Circle Diameter	300 mm
Baffle Cutout Diameter	287 mm
Depth	128 mm
Flange and Gasket Thickness	8 mm
Gross Weight	5.240 Kg.

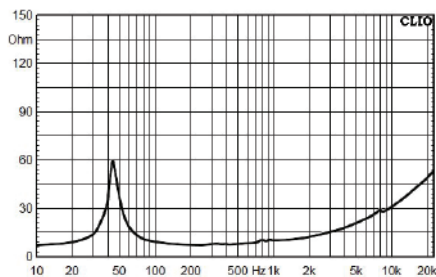
Parameters		
Resonant Frequency	<i>F_s</i>	44 Hz
DC Resistance	<i>R_e</i>	6.2 Ω
Electrical Q	<i>Q_{es}</i>	0.57
Mechanical Q	<i>Q_{ms}</i>	4.95
Total Q	<i>Q_{ts}</i>	0.51
Compliance Equivalent Volume	<i>V_{as}</i>	122 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.17 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	522.8 cm ²
Reference Efficiency	<i>η_o</i>	1.77%
Moving Mass including air load	<i>M_{ms}</i>	40.44 gms
Motor Strength	<i>Bl</i>	11.00 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	0.59 mH
Efficiency Bandwith Product	<i>EBP</i>	77 Hz
Voice Coil Overhang	<i>X_{max}</i>	±3.25 mm

Recone Kit	
Recone Kit Number	REC12PT200FR

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



12 PT 200 MB

400 W Program
Power

51.2 mm (2 in)
Voice Coil

41-4500 Hz
Response

95 dB
sensitivity



12 PT 200 MB is a pure mid bass transducer which reproduces sound of Tabla or Guitar or Harmonium quite clearly and linearly. Best performed when complemented with 12 PT 200 FR for any religious ceremony and Indoor application. Suitable for both Sealed and Bass Relfex Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

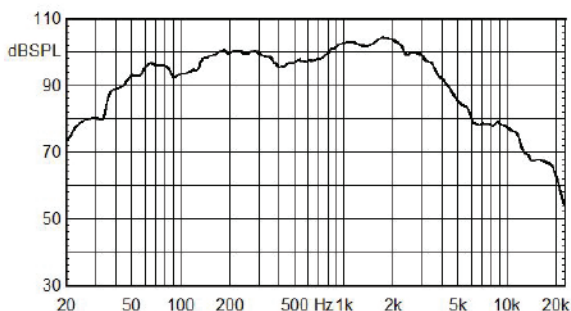
Specifications	
Nominal Diameter	321 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	200 W
Program Power	400 W
Sensitivity (1W/1m)	95 dB
Frequency Range	41-4500 Hz
Magnet Material	Ferrite
Voice Coil Diameter	51.2 mm (2 in)
Winding Material	CCAW
Former Material	KAPTON
Winding Type	Outside

Mounting Info	
Overall Diameter	321 mm
Bolt Circle Diameter	300 mm
Baffle Cutout Diameter	285 mm
Depth	128 mm
Flange and Gasket Thickness	8 mm
Gross Weight	5.240 Kg.

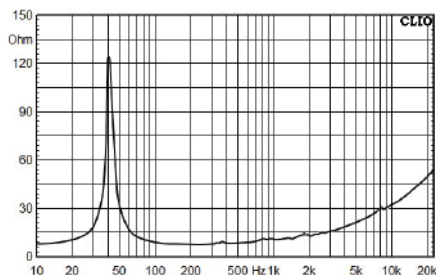
Parameters		
Resonant Frequency	<i>F_s</i>	41 Hz
DC Resistance	<i>R_e</i>	6.2 Ω
Electrical Q	<i>Q_{es}</i>	0.48
Mechanical Q	<i>Q_{ms}</i>	9.27
Total Q	<i>Q_{ts}</i>	0.46
Compliance Equivalent Volume	<i>V_{as}</i>	143 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.17 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	522.8 cm ²
Reference Efficiency	<i>η_0</i>	1.96%
Moving Mass including air load	<i>M_{ms}</i>	40.44 gms
Motor Strength	<i>Bl</i>	11.59 T-m
Voice Coil Inductance @ 1 KHz	<i>L_e</i>	0.63 mH
Efficiency Bandwith Product	<i>EBP</i>	85 Hz
Voice Coil Overhang	<i>X_{max}</i>	±3.25 mm

Recone Kit	
Recone Kit Number	REC12PT200MB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



12 PT 400 LA MB

800 W Program
Power

76.2 mm (3 in)
Voice Coil

68-4500 Hz
Response

98 dB
sensitivity



As the LA in the name suggests, this transducer is especially designed for Line Arrays and can also be used as a Mid Bass Transducer. It plays fairly well upto 4500 Hz and covers all the essential frequencies expected out of a mid bass transducer. Suitable for Bass Reflex/Ported Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

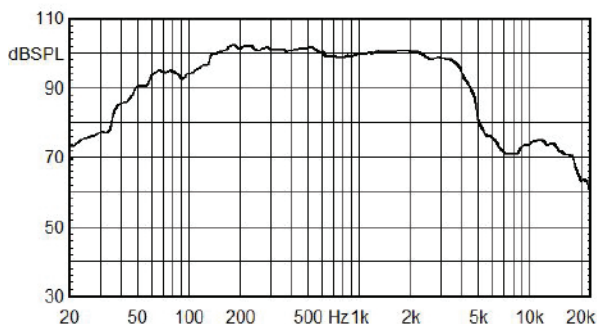
Specifications	
Nominal Diameter	314 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	400 W
Program Power	800 W
Sensitivity (1W/1m)	98 dB
Frequency Range	68-4500 Hz
Magnet Material	Ferrite
Voice Coil Diameter	76.2 mm (3 in)
Winding Material	CCAW
Former Material	GLASS FIBRE
Winding Type	In/Out

Mounting Info	
Overall Diameter	314 mm
Bolt Circle Diameter	296 mm
Baffle Cutout Diameter	282 mm
Depth	137 mm
Flange and Gasket Thickness	15 mm
Gross Weight	7.9 Kg.

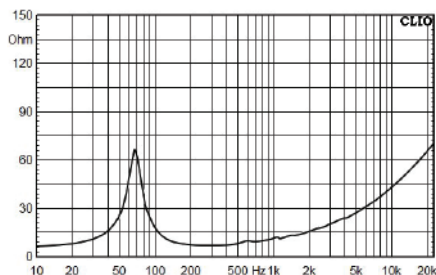
Parameters		
Resonant Frequency	<i>F_s</i>	68 Hz
DC Resistance	<i>Re</i>	5.3 Ω
Electrical Q	<i>Q_{es}</i>	0.41
Mechanical Q	<i>Q_{ms}</i>	4.68
Total Q	<i>Q_{ts}</i>	0.38
Compliance Equivalent Volume	<i>V_{as}</i>	48 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.17 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	551.5 cm ²
Reference Efficiency	<i>η_o</i>	3.51%
Moving Mass including air load	<i>M_{ms}</i>	48.86 gms
Motor Strength	<i>Bl</i>	16.43 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	0.99 mH
Efficiency Bandwith Product	<i>EBP</i>	166 Hz
Voice Coil Overhang	<i>X_{max}</i>	\pm 3.00 mm

Recone Kit	
Recone Kit Number	REC12PT400LAMB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



12 PT 400 VA MID

800 W Program
Power

76.2 mm (3 in)
Voice Coil

67-4200 Hz
Response

98 dB
sensitivity



This transducer has exceptional response in vocal reproduction and therefore ideally suited for stage monitor or where very prominent mid frequency response is required. Suitable for Bass Reflex/Ported Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

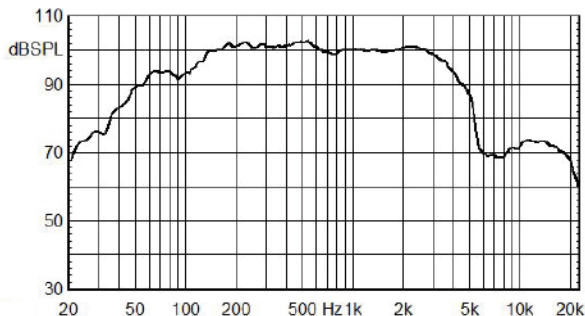
Specifications	
Nominal Diameter	320 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	400 W
Program Power	800 W
Sensitivity (1W/1m)	98 dB
Frequency Range	67-4200 Hz
Magnet Material	Ferrite
Voice Coil Diameter	76.2 mm (3 in)
Winding Material	CCAW
Former Material	GLASS FIBRE
Winding Type	In/Out

Mounting Info	
Overall Diameter	320 mm
Bolt Circle Diameter	300 mm
Baffle Cutout Diameter	286 mm
Depth	135 mm
Flange and Gasket Thickness	15 mm
Gross Weight	7.8 Kg.

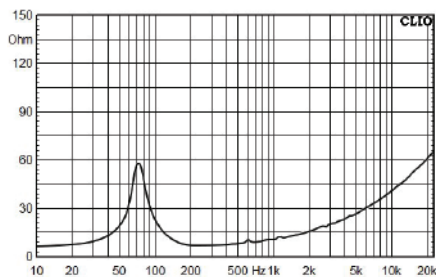
Parameters		
Resonant Frequency	<i>F_s</i>	73 Hz
DC Resistance	<i>Re</i>	5.5 Ω
Electrical Q	<i>Q_{es}</i>	0.41
Mechanical Q	<i>Q_{ms}</i>	3.9
Total Q	<i>Q_{ts}</i>	0.37
Compliance Equivalent Volume	<i>V_{as}</i>	41 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.13 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	539.1 cm ²
Reference Efficiency	<i>η_0</i>	3.70%
Moving Mass including air load	<i>M_{ms}</i>	47.75 gms
Motor Strength	<i>Bl</i>	17.19 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	0.96 mH
Efficiency Bandwith Product	<i>EBP</i>	178 Hz
Voice Coil Overhang	<i>X_{max}</i>	±2.45 mm

Recone Kit	
Recone Kit Number	REC12PT400VAMB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



12 PT 500 MB GOLD

1000 W
Program Power

76.2 mm (3 in)
Voice Coil

51-4700 Hz
Response

99 dB
sensitivity



12 PT 500 MB GOLD is a pure gold standard transducer in Mid Bass category which is also perfect for use in Large Format Line Arrays.

A very efficient transducer which produces crispy mid as well as boomy bass linearly. Suitable for Bass Reflex/ Ported Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

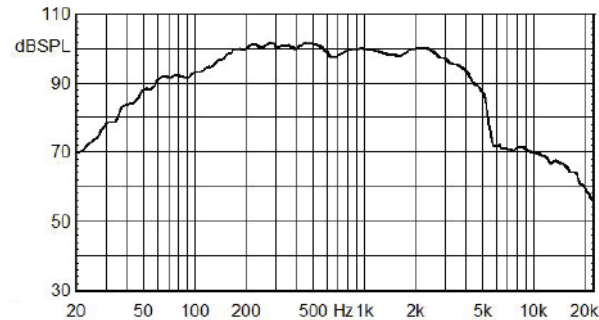
Specifications	
Nominal Diameter	314 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	500 W
Program Power	1000 W
Sensitivity (1W/1m)	99 dB
Frequency Range	51-4700 Hz
Magnet Material	Ferrite
Voice Coil Diameter	76.2 mm (3 in)
Winding Material	COPPER
Former Material	GLASS FIBRE
Winding Type	In/Out

Mounting Info	
Overall Diameter	314 mm
Bolt Circle Diameter	296 mm
Baffle Cutout Diameter	282 mm
Depth	147 mm
Flange and Gasket Thickness	15 mm
Gross Weight	9.2 Kg.

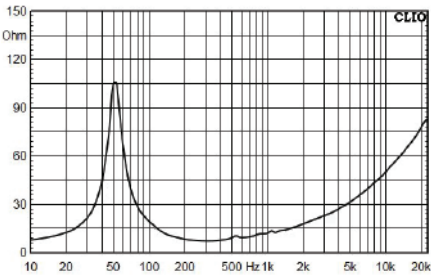
Parameters		
Resonant Frequency	<i>F_s</i>	51 Hz
DC Resistance	<i>Re</i>	5.5 Ω
Electrical Q	<i>Q_{es}</i>	0.22
Mechanical Q	<i>Q_{ms}</i>	4.05
Total Q	<i>Q_{ts}</i>	0.21
Compliance Equivalent Volume	<i>V_{as}</i>	77 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.16 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	530.9 cm ²
Reference Efficiency	<i>η_o</i>	4.56%
Moving Mass including air load	<i>M_{ms}</i>	48.92 gms
Motor Strength	<i>Bl</i>	19.85 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	1.15 mH
Efficiency Bandwith Product	<i>EBP</i>	232 Hz
Voice Coil Overhang	<i>X_{max}</i>	±3 mm

Recone Kit	
Recone Kit Number	REC12PT500GMB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



12 PT 600 MB

1200 W
Program Power

99.3 mm (4 in)
Voice Coil

67-4000 Hz
Response

95 dB
sensitivity



12 PT 600 MB is a low mid transducer which can be used in a three way point source or large 3 way line array format system also. A very powerful 12" driver for Subwoofer application in small set up also.

Suitable for Bass Reflex/
Ported Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

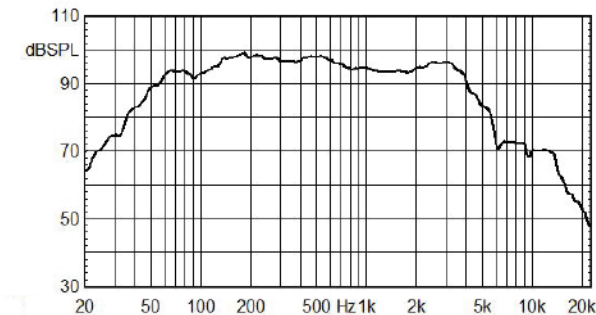
Specifications	
Nominal Diameter	315 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	600 W
Program Power	1200 W
Sensitivity (1W/1m)	95 dB
Frequency Range	67-4000 Hz
Magnet Material	Ferrite
Voice Coil Diameter	99.3 mm (4 in)
Winding Material	CCAW
Former Material	GLASS FIBRE
Winding Type	OUTSIDE

Mounting Info	
Overall Diameter	315 mm
Bolt Circle Diameter	295 mm
Baffle Cutout Diameter	287 mm
Depth	140 mm
Flange and Gasket Thickness	10 mm
Gross Weight	11.100 Kg.

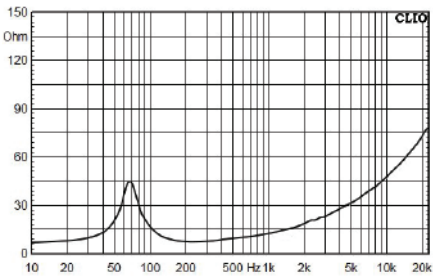
Parameters		
Resonant Frequency	<i>F_s</i>	67 Hz
DC Resistance	<i>R_e</i>	5.7 Ω
Electrical Q	<i>Q_{es}</i>	0.48
Mechanical Q	<i>Q_{ms}</i>	3.3
Total Q	<i>Q_{ts}</i>	0.42
Compliance Equivalent Volume	<i>V_{as}</i>	29 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.15 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	510.7 cm ²
Reference Efficiency	<i>η_0</i>	1.79%
Moving Mass including air load	<i>M_{ms}</i>	69.47 gms
Motor Strength	<i>Bl</i>	18.60 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	1.17 mH
Efficiency Bandwith Product	<i>EBP</i>	140 Hz
Voice Coil Overhang	<i>X_{max}</i>	±3 mm

Recone Kit	
Recone Kit Number	REC12PT600MB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



15 PT 600 MB

1200 W
Program Power

99.3 mm (4 in)
Voice Coil

53-2200 Hz
Response

95 dB
sensitivity



15PT600 MB is a Mid Bass transducer which has extended low with prominent Mid. This transducer is suitable for Live Programs/ Orchestra. Suitable for both Sealed and Bass Reflex Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

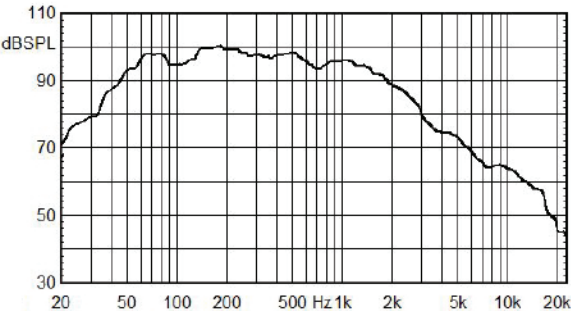
Specifications	
Nominal Diameter	388 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	600 W
Program Power	1200 W
Sensitivity (1W/1m)	95 dB
Frequency Range	53-2200 Hz
Magnet Material	Ferrite
Voice Coil Diameter	99.3 mm (4 in)
Winding Material	CCAR
Former Material	GLASS FIBRE
Winding Type	OUTSIDE

Mounting Info	
Overall Diameter	388 mm
Bolt Circle Diameter	373 mm
Baffle Cutout Diameter	358 mm
Depth	151 mm
Flange and Gasket Thickness	13 mm
Gross Weight	12.850 Kg.

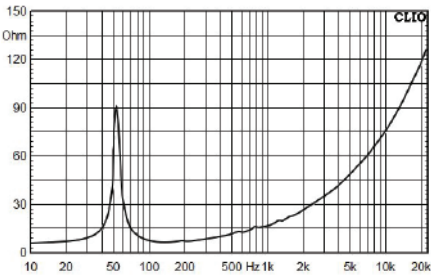
Parameters		
Resonant Frequency	<i>F_s</i>	53 Hz
DC Resistance	<i>R_e</i>	5.0 Ω
Electrical Q	<i>Q_{es}</i>	0.62
Mechanical Q	<i>Q_{ms}</i>	10.63
Total Q	<i>Q_{ts}</i>	0.58
Compliance Equivalent Volume	<i>V_{as}</i>	82 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.41 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	913.3 cm ²
Reference Efficiency	<i>η_o</i>	1.90%
Moving Mass including air load	<i>M_{ms}</i>	127.82 gms
Motor Strength	<i>Bl</i>	18.54 T-m
Voice Coil Inductance @ 1 KHz	<i>L_e</i>	1.98 mH
Efficiency Bandwith Product	<i>EBP</i>	85 Hz
Voice Coil Overhang	<i>X_{max}</i>	±4.5 mm

Recone Kit	
Recone Kit Number	REC15PT600MB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



15 PT 1000 MB

2000 W
Program Power

99.3 mm (4 in)
Voice Coil

39-2400 Hz
Response

97 dB
sensitivity



15 PT 1000 MB is mid bass transducer with extended low and high SPL (around 100 dB) in the frequency range of around 150 Hz-1000 Hz. Perfect balance of mid and bass with high sensitivity makes this transducer best suited for Single/Dual Top.

This transducer is a perfect complement for any Sub Woofers used for competition or open field application. Suitable for Bass Reflex Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

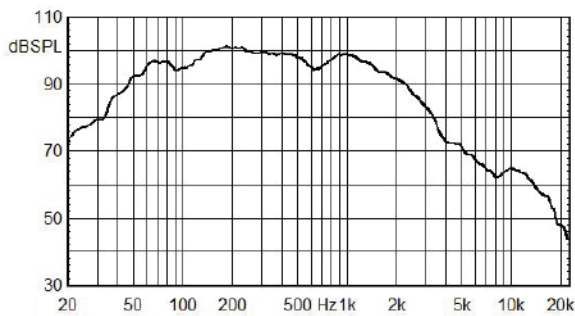
Specifications	
Nominal Diameter	388 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	1000 W
Program Power	2000 W
Sensitivity (1W/1m)	97 dB
Frequency Range	39-2400 Hz
Magnet Material	Ferrite
Voice Coil Diameter	99.3 mm (4 in)
Winding Material	CCAR
Former Material	GLASS FIBRE
Winding Type	OUTSIDE

Mounting Info	
Overall Diameter	388 mm
Bolt Circle Diameter	373 mm
Baffle Cutout Diameter	358 mm
Depth	157 mm
Flange and Gasket Thickness	13 mm
Gross Weight	14.200 Kg.

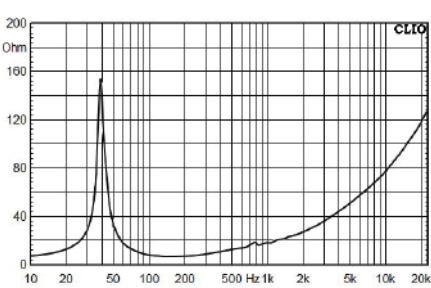
Parameters		
Resonant Frequency	<i>F_s</i>	39 Hz
DC Resistance	<i>R_e</i>	5.0 Ω
Electrical Q	<i>Q_{es}</i>	0.3
Mechanical Q	<i>Q_{ms}</i>	9.08
Total Q	<i>Q_{ts}</i>	0.29
Compliance Equivalent Volume	<i>V_{as}</i>	152 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.41 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	913.3 cm^2
Reference Efficiency	<i>η_o</i>	2.79%
Moving Mass including air load	<i>M_{ms}</i>	129.22 gms
Motor Strength	<i>Bl</i>	22.74 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	2.00 mH
Efficiency Bandwith Product	<i>EBP</i>	130 Hz
Voice Coil Overhang	<i>X_{max}</i>	±4.5 mm

Recone Kit	
Recone Kit Number	REC15PT1000MB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



15 PT 1200 MB

2400 W
Program Power

99.3 mm (4 in)
Voice Coil

38-3000 Hz
Response

96 dB
sensitivity



15 PT 1200 MB is a mid bass transducer with extended low. This low mid transducer reproduces boomy bass with clear mid frequencies making it ideal for Single or Dual Top. This transducer is a perfect complement for any Sub Woofer used for competition or open field application. Suitable for Bass Reflex/Ported Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

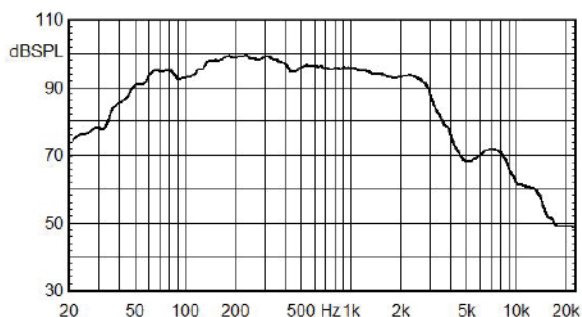
Specifications	
Nominal Diameter	394 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	1200 W
Program Power	2400 W
Sensitivity (1W/1m)	96 dB
Frequency Range	38-3000 Hz
Magnet Material	Ferrite
Voice Coil Diameter	99.3 mm (4 in)
Winding Material	COPPER
Former Material	GLASS FIBRE
Winding Type	In/Out

Mounting Info	
Overall Diameter	394 mm
Bolt Circle Diameter	375 mm
Baffle Cutout Diameter	352 mm
Depth	182 mm
Flange and Gasket Thickness	13 mm
Gross Weight	13.900 Kg.

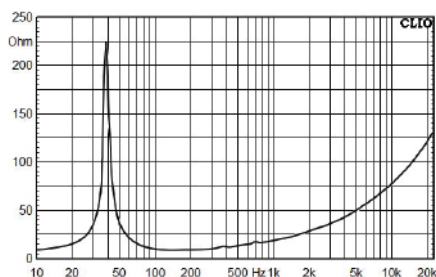
Parameters		
Resonant Frequency	<i>F_s</i>	38 Hz
DC Resistance	<i>R_e</i>	6.3 Ω
Electrical Q	<i>Q_{es}</i>	0.32
Mechanical Q	<i>Q_{ms}</i>	11.18
Total Q	<i>Q_{ts}</i>	0.31
Compliance Equivalent Volume	<i>V_{as}</i>	129 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.65 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	886.7 cm ²
Reference Efficiency	<i>η_o</i>	2.17%
Moving Mass including air load	<i>M_{ms}</i>	146 gms
Motor Strength	<i>Bl</i>	26.20 T-m
Voice Coil Inductance @ 1 KHz	<i>L_e</i>	2.00 mH
Efficiency Bandwith Product	<i>EBP</i>	119 Hz
Voice Coil Overhang	<i>X_{max}</i>	±7.35 mm

Recone Kit	
Recone Kit Number	REC15PT1200MB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



18 PT 1000 SUB

2000 W
Program Power

99.3 mm (4 in)
Voice Coil

50-2000 Hz
Response

95 dB
sensitivity



This Subwoofer transducer is ideal for live program or concert and can be ideally used in Dual Subs, W -Bin or Horn Loaded. Suitable for both Bass Reflex/Sealed Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

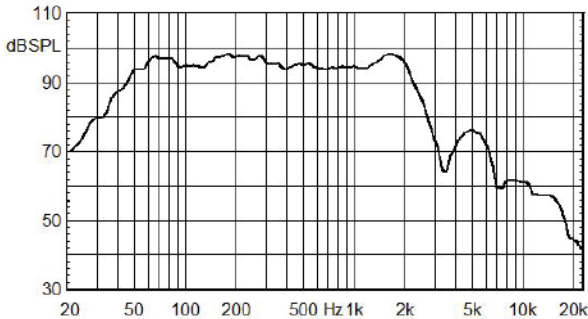
Specifications	
Nominal Diameter	465 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	1000 W
Program Power	2000 W
Sensitivity (1W/1m)	95 dB
Frequency Range	50-2000 Hz
Magnet Material	Ferrite
Voice Coil Diameter	99.3 mm (4 in)
Winding Material	COPPER
Former Material	GLASS FIBRE
Winding Type	In/Out

Mounting Info	
Overall Diameter	465 mm
Bolt Circle Diameter	448 mm
Baffle Cutout Diameter	423 mm
Depth	198 mm
Flange and Gasket Thickness	20 mm
Gross Weight	17 Kg.

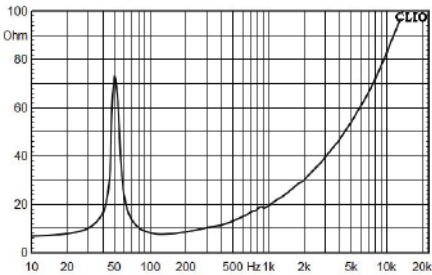
Parameters		
Resonant Frequency	<i>F_s</i>	50 Hz
DC Resistance	<i>R_e</i>	5.8 Ω
Electrical Q	<i>Q_{es}</i>	0.7
Mechanical Q	<i>Q_{ms}</i>	8.3
Total Q	<i>Q_{ts}</i>	0.64
Compliance Equivalent Volume	<i>V_{as}</i>	105 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.81 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	1225 cm ²
Reference Efficiency	<i>η</i>	1.86%
Moving Mass including air load	<i>M_{ms}</i>	198.37 gms
Motor Strength	<i>Bl</i>	22.86 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	2.24 mH
Efficiency Bandwith Product	<i>EBP</i>	71 Hz
Voice Coil Overhang	<i>X_{max}</i>	±6.6 mm

Recone Kit	
Recone Kit Number	REC18PT1000SUB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



18 PT 1200 SUB

2400 W
Program Power

99.3 mm (4 in)
Voice Coil

49-2000 Hz
Response

95 dB
sensitivity



This Sub woofer transducer having good low frequency response and ideal for DJ and Live application. Can be used in Dual Subs and W Bin. Horn Loaded. Suitable for both Bass Reflex or Sealed Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

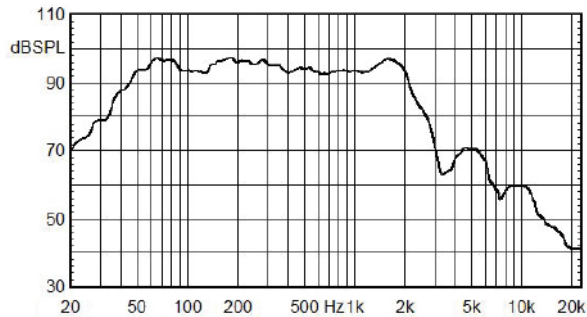
Specifications	
Nominal Diameter	465 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	1200 W
Program Power	2400 W
Sensitivity (1W/1m)	95 dB
Frequency Range	49-2000 Hz
Magnet Material	Ferrite
Voice Coil Diameter	99.3 mm (4 in)
Winding Material	COPPER
Former Material	GLASS FIBRE
Winding Type	In/Out

Mounting Info	
Overall Diameter	465 mm
Bolt Circle Diameter	448 mm
Baffle Cutout Diameter	423 mm
Depth	198 mm
Flange and Gasket Thickness	20 mm
Gross Weight	17 Kg.

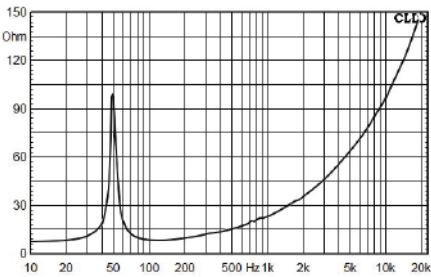
Parameters		
Resonant Frequency	<i>F_s</i>	49 Hz
DC Resistance	<i>Re</i>	5.7 Ω
Electrical Q	<i>Q_{es}</i>	0.7
Mechanical Q	<i>Q_{ms}</i>	11.51
Total Q	<i>Q_{ts}</i>	0.66
Compliance Equivalent Volume	<i>V_{as}</i>	105 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	1.08 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	1225 cm^2
Reference Efficiency	<i>η_o</i>	1.73%
Moving Mass including air load	<i>M_{ms}</i>	207.78 gms
Motor Strength	<i>Bl</i>	22.94 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	2.68 mH
Efficiency Bandwith Product	<i>EBP</i>	70 Hz
Voice Coil Overhang	<i>X_{max}</i>	±8.8 mm

Recone Kit	
Recone Kit Number	REC18PT1200SUB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



18 PT 1500 SUB

3000 W
Program Power

126 mm (5 in)
Voice Coil

43-2000 Hz
Response

96 dB
sensitivity



An excellent subwoofer transducer with deadly bass and very long range. Can be ideally used in Horn Loaded, Bass Reflex cabinets.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

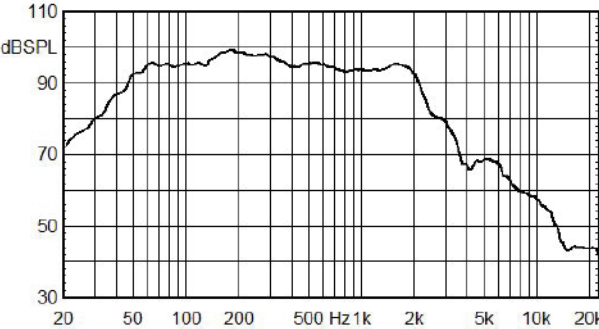
Specifications	
Nominal Diameter	470 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	1500 W
Program Power	3000 W
Sensitivity (1W/1m)	96 dB
Frequency Range	43-2000 Hz
Magnet Material	Ferrite
Voice Coil Diameter	126 mm (5 in)
Winding Material	COPPER
Former Material	GLASS FIBRE
Winding Type	In/Out

Mounting Info	
Overall Diameter	470 mm
Bolt Circle Diameter	445 mm
Baffle Cutout Diameter	420 mm
Depth	211 mm
Flange and Gasket Thickness	22 mm
Gross Weight	25.300 Kg.

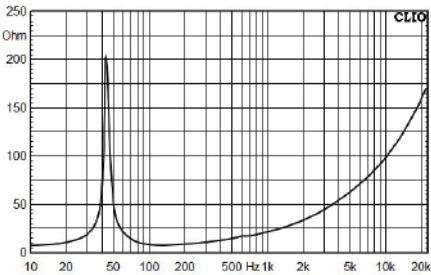
Parameters		
Resonant Frequency	<i>F_s</i>	43 Hz
DC Resistance	<i>Re</i>	5.9 Ω
Electrical Q	<i>Q_{es}</i>	0.42
Mechanical Q	<i>Q_{ms}</i>	14.09
Total Q	<i>Q_{ts}</i>	0.41
Compliance Equivalent Volume	<i>V_{as}</i>	122 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	1.21 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	1225 cm ²
Reference Efficiency	<i>η_o</i>	2.28%
Moving Mass including air load	<i>M_{ms}</i>	231 gms
Motor Strength	<i>Bl</i>	29.75 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	2.60 mH
Efficiency Bandwith Product	<i>EBP</i>	102 Hz
Voice Coil Overhang	<i>X_{max}</i>	±9.85 mm

Recone Kit	
Recone Kit Number	REC18PT1500SUB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



18 PT 1800 SUB

3600 W
Program Power

130 mm (5.12 in)
Voice Coil

44-2000 Hz
Response

95 dB
sensitivity



A very powerful subwoofer transducer where bass can be felt across the total surrounding from head to toe.

Ideal for Horn loaded, Bass reflex cabinet.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

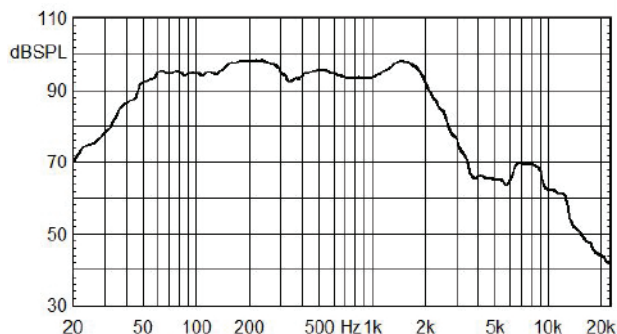
Specifications	
Nominal Diameter	464 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	1800 W
Program Power	3600 W
Sensitivity (1W/1m)	95 dB
Frequency Range	44-2000 Hz
Magnet Material	Ferrite
Voice Coil Diameter	130 mm (5.12 in)
Winding Material	COPPER
Former Material	GLASS FIBRE
Winding Type	In/Out

Mounting Info	
Overall Diameter	464 mm
Bolt Circle Diameter	445 mm
Baffle Cutout Diameter	422 mm
Depth	198 mm
Flange and Gasket Thickness	17 mm
Gross Weight	25.140 Kgs

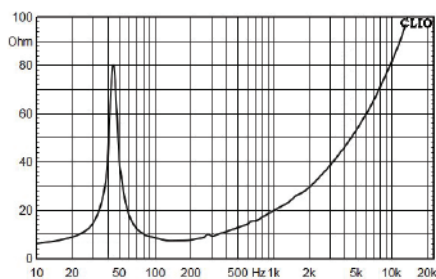
Parameters		
Resonant Frequency	<i>F_s</i>	44 Hz
DC Resistance	<i>Re</i>	5.1 Ω
Electrical Q	<i>Q_{es}</i>	0.49
Mechanical Q	<i>Q_{ms}</i>	7.26
Total Q	<i>Q_{ts}</i>	0.46
Compliance Equivalent Volume	<i>V_{as}</i>	108 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	1 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	1244 cm ²
Reference Efficiency	<i>η_0</i>	1.85%
Moving Mass including air load	<i>M_{ms}</i>	258 gms
Motor Strength	<i>Bl</i>	27.37 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	2.32 mH
Efficiency Bandwith Product	<i>EBP</i>	90 Hz
Voice Coil Overhang	<i>X_{max}</i>	±8 mm

Recone Kit	
Recone Kit Number	REC18PT1800SUB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



18 PT 2000 SUB

4000 W
Program Power

152 mm (6 in)
Voice Coil

32-2000 Hz
Response

94 dB
sensitivity



The ultimate 18" Subwoofer transducer with 152 mm voice coil & 330 mm magnet produces unbelievable 2000 wt AES power.

Better than any other similar product available in Indian market. It can reproduce low frequency from 32 Hz.

Excellent transducer for outdoor performance , DJ & Competition. Ideal for Horn loaded , Bass reflex cabinet.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

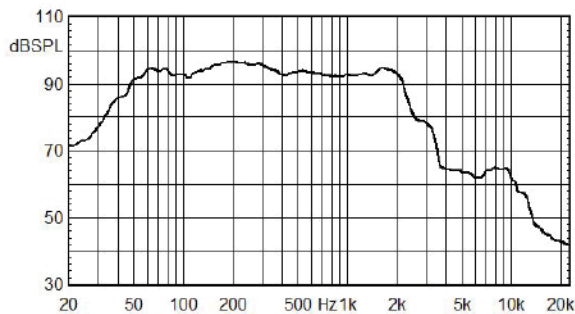
Specifications	
Nominal Diameter	464 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	2000 W
Program Power	4000 W
Sensitivity (1W/1m)	94 dB
Frequency Range	32-2000 Hz
Magnet Material	Ferrite
Voice Coil Diameter	152 mm (6.0 in)
Winding Material	COPPER
Former Material	GLASS FIBRE
Winding Type	In/Out

Mounting Info	
Overall Diameter	464 mm
Bolt Circle Diameter	445 mm
Baffle Cutout Diameter	420 mm
Depth	214 mm
Flange and Gasket Thickness	16 mm
Gross Weight	48 Kg.

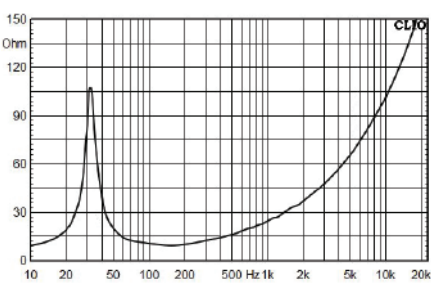
Parameters		
Resonant Frequency	<i>F_s</i>	32 Hz
DC Resistance	<i>R_e</i>	5.7 Ω
Electrical Q	<i>Q_{es}</i>	0.33
Mechanical Q	<i>Q_{ms}</i>	5.89
Total Q	<i>Q_{ts}</i>	0.31
Compliance Equivalent Volume	<i>V_{as}</i>	170 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	1.28 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	1244 cm ²
Reference Efficiency	<i>η_o</i>	1.63%
Moving Mass including air load	<i>M_{ms}</i>	315 gms
Motor Strength	<i>Bl</i>	33.17 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	2.88 mH
Efficiency Bandwith Product	<i>EBP</i>	97 Hz
Voice Coil Overhang	<i>X_{max}</i>	±10.25 mm

Recone Kit	
Recone Kit Number	REC18PT2000SUB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



think
DESI

SWETON[®]
S P E A K E R S
Since 1982



MAKE IN INDIA

PA SERIES

12 PA 300 MB

600 W Program
Power

76.2 mm (3 in)
Voice Coil

56-4300 Hz
Response

97 dB
sensitivity



Excellent Mid bass transducer
in 12" category which can be
used in front firing application.
Suitable for Bass Reflex/Ported
Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

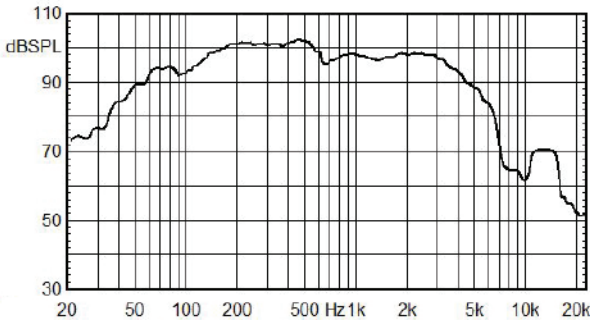
Specifications	
Nominal Diameter	314 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	300 W
Program Power	600 W
Sensitivity (1W/1m)	97 dB
Frequency Range	56-4300 Hz
Magnet Material	Ferrite
Voice Coil Diameter	76.2 mm (3 in)
Winding Material	COPPER
Former Material	GLASS FIBER
Winding Type	Outside

Mounting Info	
Overall Diameter	314 mm
Bolt Circle Diameter	296 mm
Baffle Cutout Diameter	282 mm
Depth	137 mm
Flange and Gasket Thickness	15 mm
Gross Weight	7.850 Kg.

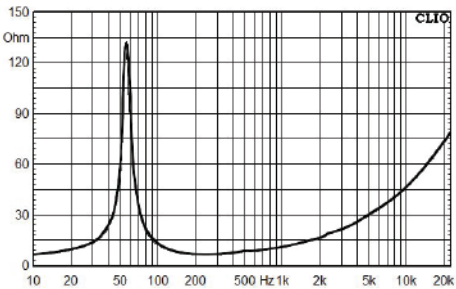
Parameters		
Resonant Frequency	<i>F_s</i>	56 Hz
DC Resistance	<i>Re</i>	4.7 Ω
Electrical Q	<i>Q_{es}</i>	0.31
Mechanical Q	<i>Q_{ms}</i>	8.35
Total Q	<i>Q_{ts}</i>	0.3
Compliance Equivalent Volume	<i>V_{as}</i>	55 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.17 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	522.8 cm ²
Reference Efficiency	<i>η_0</i>	2.97%
Moving Mass including air load	<i>M_{ms}</i>	56.43 gms
Motor Strength	<i>Bl</i>	17.36 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	1.09 mH
Efficiency Bandwith Product	<i>EBP</i>	181 Hz
Voice Coil Overhang	<i>X_{max}</i>	±3.30 mm

Recone Kit	
Recone Kit Number	REC12PA300MB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



12 PA 400 MB

800 W Program
Power

76.2 mm (3 in)
Voice Coil

57- 5500 Hz
Response

97 dB
sensitivity



Excellent Mid bass transducer in 12" category which can be used in front firing application. Extended bass and prominent Mid can be felt in the performance of the transducer. Suitable for Bass Reflex/Ported Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

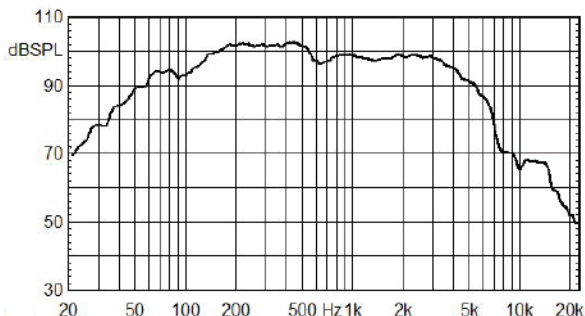
Specifications	
Nominal Diameter	314 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	400 W
Program Power	800 W
Sensitivity (1W/1m)	97 dB
Frequency Range	57-5500 Hz
Magnet Material	Ferrite
Voice Coil Diameter	76.2 mm (3 in)
Winding Material	COPPER
Former Material	GLASS FIBER
Winding Type	Outside

Mounting Info	
Overall Diameter	314 mm
Bolt Circle Diameter	296 mm
Baffle Cutout Diameter	282 mm
Depth	137 mm
Flange and Gasket Thickness	15 mm
Gross Weight	8.5 Kg.

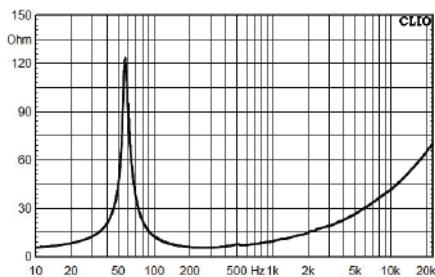
Parameters		
Resonant Frequency	Fs	57 Hz
DC Resistance	Re	4.7 Ω
Electrical Q	Qes	0.31
Mechanical Q	Qms	7.98
Total Q	Qts	0.3
Compliance Equivalent Volume	Vas	52 Ltrs
Peak Diaphragm Displacement Volume	Vd	0.17 Ltrs
Effective Surface Area of Cone	Sd	522.8 cm ²
Reference Efficiency	η_o	2.99%
Moving Mass including air load	Mms	56.43 gms
Motor Strength	Bl	17.39 T-m
Voice Coil Inductance @ 1 KHz	Le	0.98 mH
Efficiency Bandwith Product	EBP	184 Hz
Voice Coil Overhang	Xmax	±3.30 mm

Recone Kit	
Recone Kit Number	REC12PA400MB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



15 PA 300 XP MB

600 W Program
Power

76.2 mm (3 in)
Voice Coil

47-4100 Hz
Response

98 dB
sensitivity



Very good Mid Bass transducer with High SPL reproducing excellent Mid. Ideal for live program as well as outdoor usage.

Suitable for Bass Reflex/Ported Enclosure.



TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

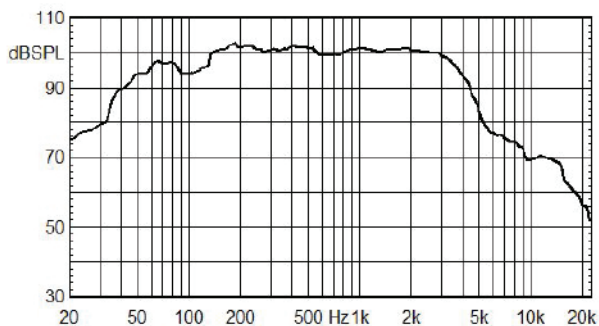
Specifications	
Nominal Diameter	390 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	300 W
Program Power	600 W
Sensitivity (1W/1m)	98 dB
Frequency Range	47-4100 Hz
Magnet Material	Ferrite
Voice Coil Diameter	76.2 mm (3 in)
Winding Material	CCAW
Former Material	GLASS FIBRE
Winding Type	OUTSIDE

Mounting Info	
Overall Diameter	390 mm
Bolt Circle Diameter	375 mm
Baffle Cutout Diameter	356 mm
Depth	164 mm
Flange and Gasket Thickness	12 mm
Gross Weight	10.170 Kg.

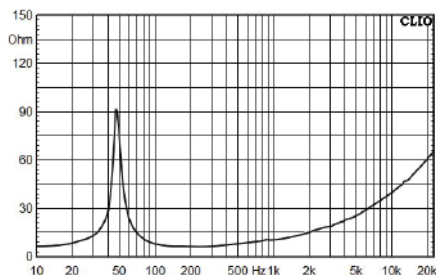
Parameters		
Resonant Frequency	<i>F_s</i>	47 Hz
DC Resistance	<i>R_e</i>	5.2 Ω
Electrical Q	<i>Q_{es}</i>	0.47
Mechanical Q	<i>Q_{ms}</i>	7.93
Total Q	<i>Q_{ts}</i>	0.44
Compliance Equivalent Volume	<i>V_{as}</i>	162 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.36 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	907.9 cm ²
Reference Efficiency	<i>η_0</i>	3.48%
Moving Mass including air load	<i>M_{ms}</i>	80.68 gms
Motor Strength	<i>Bl</i>	16.26 T-m
Voice Coil Inductance @ 1 KHz	<i>L_e</i>	0.88 mH
Efficiency Bandwidth Product	<i>EBP</i>	100 Hz
Voice Coil Overhang	<i>X_{max}</i>	±3.95 mm

Recone Kit	
Recone Kit Number	REC15PA300XP

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



15 PA 400 C MB

800 W Program
Power

76.2 mm (3 in)
Voice Coil

54-4200 Hz
Response

99 dB
sensitivity



Unique combination of aggressive Mid and Bass makes this transducer an ideal Mid Bass transducer which can be used in Stage Monitors, Single or Dual Top. Suitable for both Sealed and Bass Reflex Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

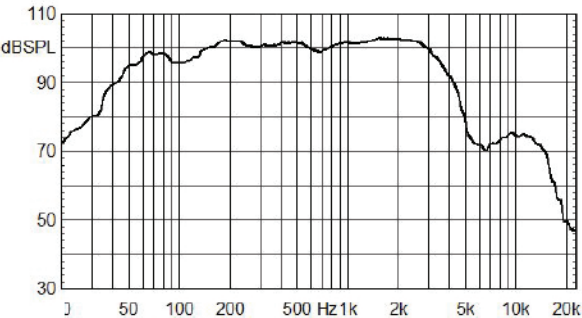
Specifications	
Nominal Diameter	390 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	400 W
Program Power	800 W
Sensitivity (1W/1m)	99 dB
Frequency Range	54-4200 Hz
Magnet Material	Ferrite
Voice Coil Diameter	76.2 mm (3 in)
Winding Material	CCAW
Former Material	GLASS FIBRE
Winding Type	OUTSIDE

Mounting Info	
Overall Diameter	390 mm
Bolt Circle Diameter	375 mm
Baffle Cutout Diameter	356 mm
Depth	164 mm
Flange and Gasket Thickness	12 mm
Gross Weight	10.250 Kg

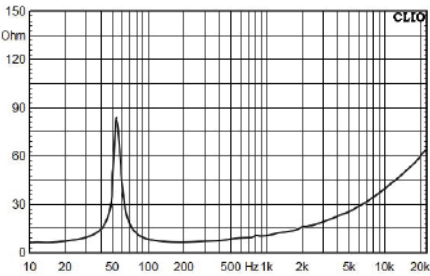
Parameters		
Resonant Frequency	<i>F_s</i>	54 Hz
DC Resistance	<i>Re</i>	5.2 Ω
Electrical Q	<i>Q_{es}</i>	0.58
Mechanical Q	<i>Q_{ms}</i>	8.8
Total Q	<i>Q_{ts}</i>	0.55
Compliance Equivalent Volume	<i>V_{as}</i>	126 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.36 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	907.9 cm ²
Reference Efficiency	<i>η_o</i>	3.31%
Moving Mass including air load	<i>M_{ms}</i>	78.55 gms
Motor Strength	<i>Bl</i>	15.44 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	0.93 mH
Efficiency Bandwidth Product	<i>EBP</i>	93 Hz
Voice Coil Overhang	<i>X_{max}</i>	±3.95 mm

Recone Kit	
Recone Kit Number	REC15PA400C

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



15 PA 500 MB

1000 W
Program Power

99.3 mm (4 in)
Voice Coil

51-2500 Hz
Response

98 dB
sensitivity



Very powerful 99.3 mm voice coil transducer. Powerful combination of Mid and Bass. Suitable for Sealed Enclosure.

Ideal for Live Programs as stage monitors as well out door usage especially in DJ. Can be used in direct radiating Single/Dual Top.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

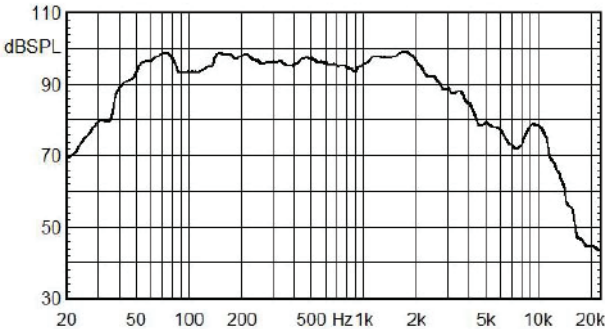
Specifications	
Nominal Diameter	395 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	500 W
Program Power	1000 W
Sensitivity (1W/1m)	98 dB
Frequency Range	51-2500 Hz
Magnet Material	Ferrite
Voice Coil Diameter	99.3 mm (4 in)
Winding Material	CCAW
Former Material	GLASS FIBRE
Winding Type	OUTSIDE

Mounting Info	
Overall Diameter	395 mm
Bolt Circle Diameter	380 mm
Baffle Cutout Diameter	361 mm
Depth	155 mm
Flange and Gasket Thickness	16 mm
Gross Weight	14.200 Kg.

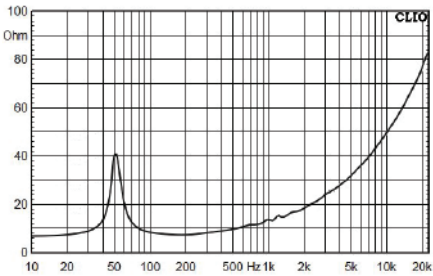
Parameters		
Resonant Frequency	<i>F_s</i>	51 Hz
DC Resistance	<i>R_e</i>	5.8 Ω
Electrical Q	<i>Q_{es}</i>	0.9
Mechanical Q	<i>Q_{ms}</i>	5.47
Total Q	<i>Q_{ts}</i>	0.77
Compliance Equivalent Volume	<i>V_{as}</i>	109 ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.27 ltrs
Effective Surface Area of Cone	<i>S_d</i>	907.9 cm ²
Reference Efficiency	<i>η_0</i>	3.73%
Moving Mass including air load	<i>M_{ms}</i>	103 gms
Motor Strength	<i>Bl</i>	14.59 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	1.30 mH
Efficiency Bandwith Product	<i>EBP</i>	57 Hz
Voice Coil Overhang	<i>X_{max}</i>	±3.00 mm

Recone Kit	
Recone Kit Number	REC15PA500MB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



15 PA 600 MB

1200 W
Program Power

99.3 mm (4 in)
Voice Coil

46- 2000 Hz
Response

95 dB
sensitivity



15 PA 600 MB is a low mid transducer which has extended low along with clear mid. It can ideally be used in Live Programs as well as in DJ application. Suitable for both Sealed/Bass Reflex Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

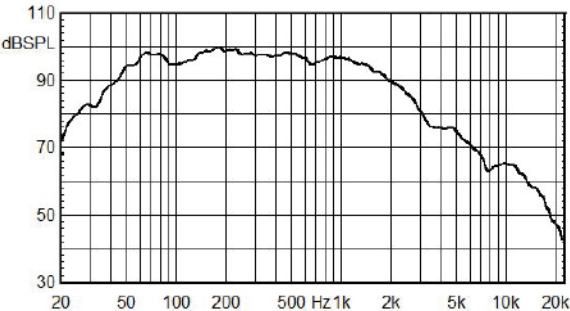
Specifications	
Nominal Diameter	395 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	600 W
Program Power	1200 W
Sensitivity (1W/1m)	95 dB
Frequency Range	46-2000 Hz
Magnet Material	Ferrite
Voice Coil Diameter	99.3 mm (4 in)
Winding Material	CCAR
Former Material	GLASS FIBRE
Winding Type	OUTSIDE

Mounting Info	
Overall Diameter	395 mm
Bolt Circle Diameter	380 mm
Baffle Cutout Diameter	361 mm
Depth	155 mm
Flange and Gasket Thickness	16 mm
Gross Weight	14.240 Kgs

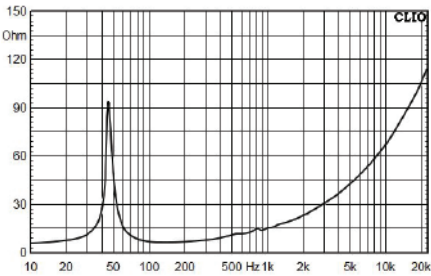
Parameters		
Resonant Frequency	<i>F_s</i>	46 Hz
DC Resistance	<i>Re</i>	5.0 Ω
Electrical Q	<i>Q_{es}</i>	0.56
Mechanical Q	<i>Q_{ms}</i>	10.03
Total Q	<i>Q_{ts}</i>	0.53
Compliance Equivalent Volume	<i>V_{as}</i>	111 ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.41 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	913.3 cm ²
Reference Efficiency	<i>η_o</i>	1.80%
Moving Mass including air load	<i>M_{ms}</i>	127.42 gms
Motor Strength	<i>Bl</i>	18.0 T-m
Voice Coil Inductance @ 1 KHz	<i>Le</i>	1.71 mH
Efficiency Bandwidth Product	<i>EBP</i>	82 Hz
Voice Coil Overhang	<i>X_{max}</i>	±4.5 mm

Recone Kit	
Recone Kit Number	REC15PA600MB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



15 PA 1000 MB

2000 W
Program Power

99.3 mm (4 in)
Voice Coil

46-2800 Hz
Response

97 dB
sensitivity



Very efficient Mid Bass
transducer with extended low
and high mid suitable for Bass
Reflex/Ported Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

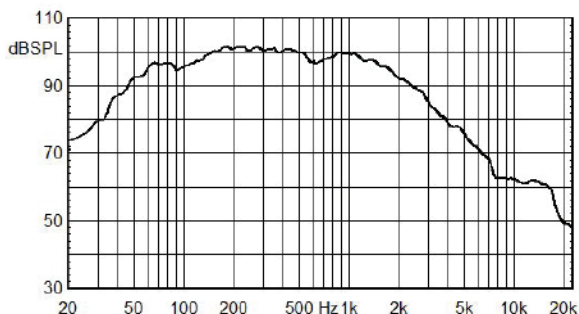
Specifications	
Nominal Diameter	395 mm
Nominal Impedance	8 Ω
Nominal Power Handling (AES)	1000 W
Program Power	2000 W
Sensitivity (1W/1m)	97 dB
Frequency Range	46-2800 Hz
Magnet Material	Ferrite
Voice Coil Diameter	99.3 mm (4 in)
Winding Material	CCAR
Former Material	GLASS FIBRE
Winding Type	OUTSIDE

Mounting Info	
Overall Diameter	395 mm
Bolt Circle Diameter	380 mm
Baffle Cutout Diameter	361 mm
Depth	160 mm
Flange and Gasket Thickness	16 mm
Gross Weight	15.280 Kg.

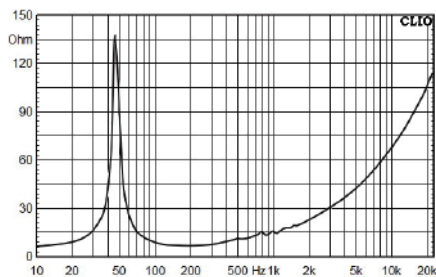
Parameters		
Resonant Frequency	<i>F_s</i>	46 Hz
DC Resistance	<i>R_e</i>	5.0 Ω
Electrical Q	<i>Q_{es}</i>	0.37
Mechanical Q	<i>Q_{ms}</i>	9.69
Total Q	<i>Q_{ts}</i>	0.35
Compliance Equivalent Volume	<i>V_{as}</i>	107 ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.41 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	913.3 cm ²
Reference Efficiency	<i>η_0</i>	2.77%
Moving Mass including air load	<i>M_{ms}</i>	128.82 gms
Motor Strength	<i>Bl</i>	22.59 T-m
Voice Coil Inductance @ 1 KHz	<i>L_e</i>	1.66 mH
Efficiency Bandwidth Product	<i>EBP</i>	124 Hz
Voice Coil Overhang	<i>X_{max}</i>	±4.5 mm

Recone Kit	
Recone Kit Number	REC15PA1000MB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



Think
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SBS SERIES

12 SBS 150 MB

300 W Program
Power

51.2 mm (2 in)
Voice Coil

53-6500 Hz
Response

93 dB
sensitivity



Very good Mid Bass transducer with prominent mid. Suitable for Sealed Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

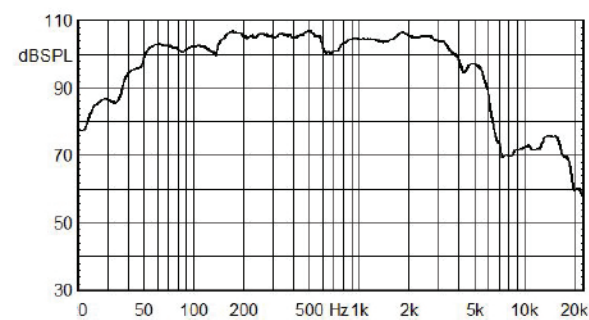
Specifications	
Nominal Diameter	314 mm
Nominal Impedance	16 Ω
Nominal Power Handling (AES)	150 W
Program Power	300 W
Sensitivity (1W/1m)	93 dB
Frequency Range	53-6500 Hz
Magnet Material	Ferrite
Voice Coil Diameter	51.2 mm (2 in)
Winding Material	COPPER
Former Material	KAPTON
Winding Type	Outside

Mounting Info	
Overall Diameter	314 mm
Bolt Circle Diameter	296 mm
Baffle Cutout Diameter	282 mm
Depth	133 mm
Flange and Gasket Thickness	15 mm
Gross Weight	5.76 Kgs

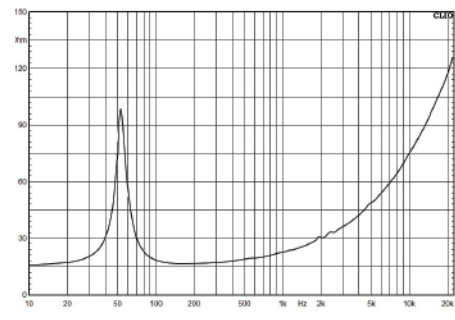
Parameters		
Resonant Frequency	<i>F_s</i>	53 Hz
DC Resistance	<i>R_e</i>	11.5 Ω
Electrical Q	<i>Q_{es}</i>	0.75
Mechanical Q	<i>Q_{ms}</i>	5.65
Total Q	<i>Q_{ts}</i>	0.66
Compliance Equivalent Volume	<i>V_{as}</i>	63 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.22 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	518.7 cm ²
Reference Efficiency	<i>η_0</i>	1.19%
Moving Mass including air load	<i>M_{ms}</i>	54.08 gms
Motor Strength	<i>Bl</i>	16.61 T-m
Voice Coil Inductance @ 1 KHz	<i>L_e</i>	1.68 mH
Efficiency Bandwidth Product	<i>EBP</i>	71 Hz
Voice Coil Overhang	<i>X_{max}</i>	±4.30 mm

Recone Kit	
Recone Kit Number	REC12SBS150MB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



12 SBS 200 MB

400 W Program
Power

53 mm (2.08 in)
Voice Coil

45-3300 Hz
Response

94 dB
sensitivity



This low mid transducer with linear mid frequency upto 3300 Hz is suitable for outdoor application. Suitable for both Bass Reflex / Sealed Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

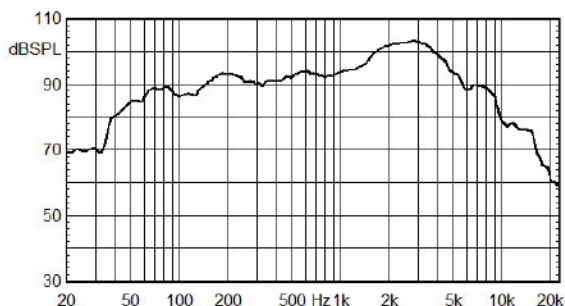
Specifications	
Nominal Diameter	313 mm
Nominal Impedance	16 Ω
Nominal Power Handling (AES)	200 W
Program Power	400 W
Sensitivity (1W/1m)	94 dB
Frequency Range	45-3300 Hz
Magnet Material	Ferrite
Voice Coil Diameter	53mm (2.08 in)
Winding Material	COPPER
Former Material	KAPTON
Winding Type	Outside

Mounting Info	
Overall Diameter	314 mm
Bolt Circle Diameter	296 mm
Baffle Cutout Diameter	282 mm
Depth	133 mm
Flange and Gasket Thickness	15 mm
Gross Weight	6.8 Kg

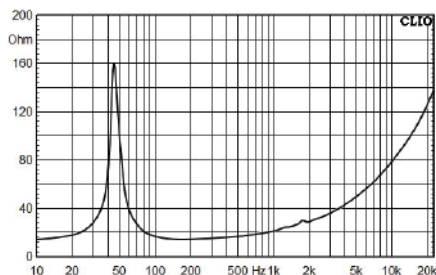
Parameters		
Resonant Frequency	<i>F_s</i>	45 Hz
DC Resistance	<i>R_e</i>	12 Ω
Electrical Q	<i>Q_{es}</i>	0.55
Mechanical Q	<i>Q_{ms}</i>	6.86
Total Q	<i>Q_{ts}</i>	0.51
Compliance Equivalent Volume	<i>V_{as}</i>	103 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.41 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	564.1 cm ²
Reference Efficiency	<i>η_0</i>	1.64%
Moving Mass including air load	<i>M_{ms}</i>	53.51 gms
Motor Strength	<i>Bl</i>	18.11 T-m
Voice Coil Inductance @ 1 KHz	<i>L_e</i>	1.83 mH
Efficiency Bandwidth Product	<i>EBP</i>	82 Hz
Voice Coil Overhang	<i>X_{max}</i>	±7.25 mm

Recone Kit	
Recone Kit Number	REC12SBS200MB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



12 SBS 250 MB

500 W Program
Power

53 mm (2.08 in)
Voice Coil

54-6200 Hz
Response

94 dB
sensitivity



Mid Bass transducer reproducing high mid and is useful for both indoor and outdoor application. Suitable for both Sealed and Bass Reflex Enclosure.

TECHNICAL SPECIFICATIONS

SPECIFICATIONS & PARAMETERS

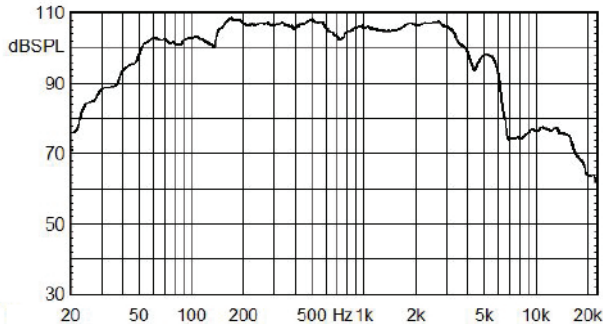
Specifications	
Nominal Diameter	314 mm
Nominal Impedance	16 Ω
Nominal Power Handling (AES)	250 W
Program Power	500 W
Sensitivity (1W/1m)	94 dB
Frequency Range	54-6200 Hz
Magnet Material	Ferrite
Voice Coil Diameter	53 mm(2.08 in)
Winding Material	COPPER
Former Material	KAPTON
Winding Type	Outside

Mounting Info	
Overall Diameter	314 mm
Bolt Circle Diameter	296 mm
Baffle Cutout Diameter	282 mm
Depth	133 mm
Flange and Gasket Thickness	15 mm
Gross Weight	6.8 Kg.

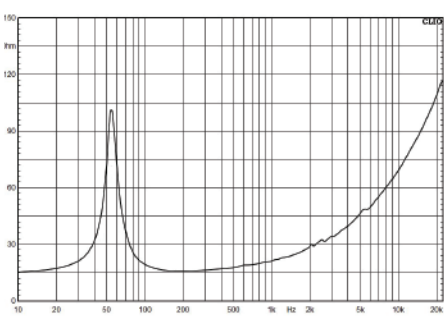
Parameters		
Resonant Frequency	<i>F_s</i>	54 Hz
DC Resistance	<i>R_e</i>	11.5 Ω
Electrical Q	<i>Q_{es}</i>	0.65
Mechanical Q	<i>Q_{ms}</i>	5.05
Total Q	<i>Q_{ts}</i>	0.57
Compliance Equivalent Volume	<i>V_{as}</i>	60 Ltrs
Peak Diaphragm Displacement Volume	<i>V_d</i>	0.37 Ltrs
Effective Surface Area of Cone	<i>S_d</i>	518.7 cm ²
Reference Efficiency	<i>η_o</i>	1.40%
Moving Mass including air load	<i>M_{ms}</i>	54.20 gms
Motor Strength	<i>Bl</i>	18.12 T-m
Voice Coil Inductance @ 1 KHz	<i>L_e</i>	1.55 mH
Efficiency Bandwith Product	<i>EBP</i>	83 Hz
Voice Coil Overhang	<i>X_{max}</i>	±7.12 mm

Recone Kit	
Recone Kit Number	REC12SBS250MB

FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE



TEST STANDARDS

- *Nominal Power Handling is measured according to the AES2-1984 standard.*
- *Power on Continuous Program is defined as 3 dB greater than the Nominal Rating.*
- *Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance*
- *Thiele-Small (T/S) parameters are measured after a high level 25 Hz sine wave preconditioning test for 4-8 hours.*
- *Linear X-max is measured by Mechanical excursion.*
- *Frequency Response and Impedance Curve are measured using MLS and Sinusoidal feature in auto scaling function of CLIO 12.5 Standard version.*

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