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## Owner's Manual

High Quality SP12CX/SP15CX/SP12CXXX/SP15CXXX Subwoofer Speaker

High Quality SP12CX/SP15CX/SP12CXXX/SP15CXXX Subwoofer Speaker

### Applications:

SP12CX/SP15CX Subwoofer series and SP12CXXX/SP15CXXX Subwoofer Hurricane series is a professional Big power handling and high efficiency line for car audio competition

### Features

#### SP12CX



- 87.5 dB SPL 1W/1M
- 2.5" AL Wire (220°C)
- 2500 W RMS Power
- PC+Nomex Spider 2 Layer
- 2+2 Ohms Impedance
- 68x3 Oz Y30 Ferrite Magnet

#### SP15CX



- 89 dB SPL 1W/1M
- 3" AL Wire(220°C)
- 3000 W RMS Power
- PC+Nomex Spider 2 Layer
- 2+2 Ohms Impedance
- 86x3 Oz Y30 Ferrite Magnet

#### SP12CXXX Hurricane series



- 87.4 dB SPL 1W/1M
- 2.5" AL Wire (220°C)
- 2800 W RMS Power
- PC+Nomex Spider 2 Layer
- 2+2 Ohms Impedance
- 68x3 Oz Y30 Ferrite Magnet

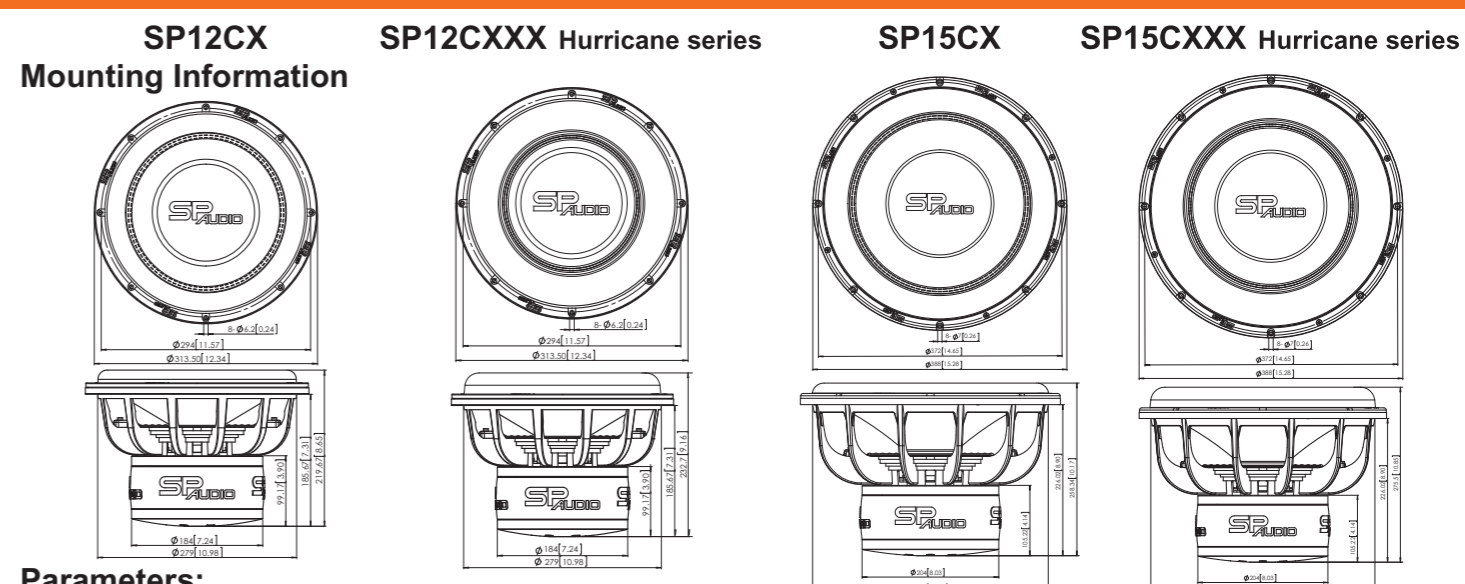
#### SP15CXXX Hurricane series



- 88.9 dB SPL 1W/1M
- 3" AL Wire(220°C)
- 3500 W RMS Power
- PC+Nomex Spider 2 Layer
- 2+2 Ohms Impedance
- 86x3 Oz Y30 Ferrite Magnet

General Specification	SP12CX	SP12CXXX Hurricane series	SP15CX	SP15CXXX Hurricane series
Nominal Diameter	300 mm(12inch)	300 mm(12inch)	380 mm(15inch)	380 mm(15inch)
Rated Impedance	4 Ohm	4 Ohm	4 Ohm	4 Ohm
Minimum Impedance	2+2 Ohm	2+2 Ohm	2+2 Ohm	2+2 Ohm
Rated Power(RMS)	2500 W	2800 W	3000 W	3500 W
Peak Power	5000 W	5600 W	6000 W	7000 W
Sensitivity	87.5 dB	87.4 dB	89 dB	88.9 dB
Frequency Range(-10dB)	30-300 Hz	25-300 Hz	25-200 Hz	20-200 Hz
VC Diameter(mm/in)	65.5 mm/2.5"	65.5 mm/2.5"	76.2 mm/3"	76.2 mm/3"
Winding Material	220°C Aluminum Wire			
Suspension	Large"R"Form			
Cone	Compress Paper + FiberGlass + Black Painting			

### Mounting Information



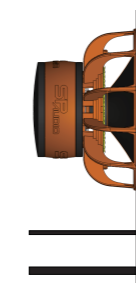
### Parameters:

Model	Qts	Vas	Fs	Re	Mms	Xmax	Cms	Qms	Qes	SPL	Pe	BL	Dd	Sd
SP12CX	0.510	33.10 L	38.00 Hz	2+2 Ohm	201.011 g	27 mm	92.41 um/N	6.300	0.555	87.5 dB	2500 W	19.03 TM	25.70 cm	518.7 cm²
SP12CXXX	0.342	38.372L	30 Hz	2+2 Ohm	219.362 g	35 mm	132.0 um/N	4.049	0.373	87.4 dB	2800 W	19.03 TM	25.70 cm	518.7 cm²
SP15CX	0.551	69.61 L	35.00 Hz	2+2 Ohm	285.676 g	32 mm	75.93 um/N	6.193	0.605	89 dB	3000 W	20.14 TM	32.00 cm	804.2 cm²
SP15CXXX	0.429	78.059 L	29 Hz	2+2 Ohm	304.877 g	40 mm	96.49 um/N	4.999	0.469	88.9 dB	3500 W	20.14 TM	32.00 cm	804.2 cm²

### Vent BOX

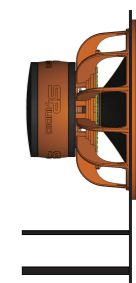
#### SP12CX

Volume:60 L  
 Tuning freq:36.5 Hz  
 Vent diameter:ø82 mm  
 Shape: Circle  
 End correction:Two flanged end  
 Vent length:13 cm  
 Cross area:52.8 cm²



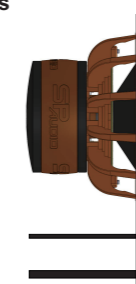
#### SP15CX

Volume:125 L  
 Tuning freq:30 Hz  
 Vent diameter:ø102 mm  
 Shape: Circle  
 End correction:Two flanged end  
 Vent length:14.5 cm  
 Cross area:81.7 cm²



#### SP12CXXX Hurricane series

Volume:60 L  
 Tuning freq:36.5 Hz  
 Vent diameter:ø82 mm  
 Shape: Circle  
 End correction:Two flanged end  
 Vent length:13 cm  
 Cross area:52.8 cm²



#### SP15CXXX Hurricane series

Volume:125 L  
 Tuning freq:30 Hz  
 Vent diameter:ø102 mm  
 Shape: Circle  
 End correction:Two flanged end  
 Vent length:14.5 cm  
 Cross area:81.7 cm²

