

### **Product Description**

The Bose® FreeSpace® ZA 2120-HZ : [}e a { ]|i,e! i• de•ig}ed c[ ]![cide ba•ic a { ]|i,caci[} a}d •[`]d •^•ce { e¢]a}•i[} ,he} `•i}g f![]c-e}d B[•e]![d`cc• •`ch a• FleeS]ace® i}ceglaced : []e a { ]|i,e!• a}d C[]c![|S]ace® e}gi}eeled •[`]d ]![ce••[!•.

#### **Key Features**

- Reliable 2 x 120 W Class-D amplifcation []ci { i:ed f[ 170/100V high-i { ]eda}ce a ] |icaci[}•.
- Dual remotes •`]][!c[]ci[]a| ç[|` { e adj`•c { e}c f[!i]de]e}de}c, [! c[ { bi}ed, :[]e c[]c![| , hich e|i { i}ace• che }eed f[! b`|\^, i}ef,cie}c, a}d •[`}d-a|ce!i}g 70/100V i}-|i]e ç[|` { e c[]c![|•.
- Expansion-ready connectivity \_ich FleeS]ace®





## **Technical Specifcations**

Power Rating					
Amplifier Power	2 x 120 W @ 70/100V				
Audio Performance					
Frequency Response	55 Hz - 20 kHz (+0/-3 dB, @ 1 W reference 1 kHz)				
THD+N	≤ 0.3 % (at rated power)				
Channel Separation (Crosstalk)	$\leq$ -60 dBV (below rated power, 1 kHz)				
Dynamic Range	88 dB				
Audio Inputs					
Input Channels	1 unbalanced, 1 balanced				
Connectors	Stereo RCA, 5-pin Euroblock				
Input Range	-10 dBV to +10 dBV				
Input Impedance	20 κΩ				
Maximum Input Level	+10 dBV				
Nominal Input Level	0 dBV				
Audio Outputs					
Outputs	2				
Connectors	2-pin touch-proof inverted Euroblock				
Nominal Output Level	2 x 120 W @ 70/100V				
Indicators and Controls					
Power LED	Solid blue indicates power is on, blinking blue indicates standby mode				
Input Signal Clip LED	Green indicates input signal is within –39 dBV to 9 dBV, red indicates signal is over 9 dBV				
Output Signal Clip LED	Green indicates output signal is within -46 dBFS to -2 dBFS, red indicates signal is over -2 dBFS, approximately 80 W/channel				
Controls, Front Panel	Power On/Off				
Controls, Rear Panel	Auto Standby On/Off switch, Input: Dual/Summed switch, Remote 1 Control: Zone 1/Zone 1+2 switch, Output Voltage: 70/100V switch, Mute, Output trims, Remote (x2)				
Electrical					
Mains Voltage	100 VAC - 240 VAC (±10%, 50/60 Hz)				
AC Power Consumption	23 W (Standby), 350 W (Max)				
Mains Connector	Standard IEC (C14)				
Maximum Inrush Current	5.0 Amps (230 VAC / 50 Hz), 2.7 Amps (120 VAC / 60 Hz)				
Overload Protection	High temperature, output short, excessively low or high AC line voltage				
Physical					
Dimensions	1.7" H x 19.0" W x 12.8" D (44 mm H x 483 mm W x 324 mm D)				
Shipping Weight	11.5 lb (5.2 kg)				
Net Weight	8.5 lb (3.9 kg)				
Cooling System	Continuous left-to-right air flow				
General					
Inputs (Control)	2 remote inputs for Volume Control user interface (PC041966), Mute input control via a normally open contact closure				



FreeSpace® ZA 2120-HZ Zone Amplifer



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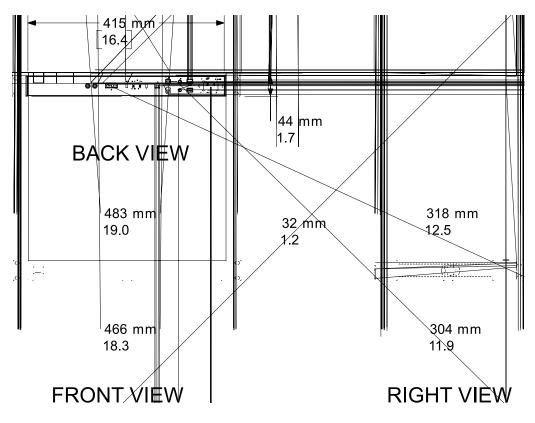
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## AC Current Draw and Thermal Dissipation Information

Test Signal & Power Level	Load Configuration (Both IZA channels driven)	Total Audio Output, W	120VAC 60Hz. Line Current, A	230VAC 50Hz. Line Current, A	Thermal Dissipation, Max		
					Watts	BTU/hr.	kCal/hr.
Power On, Idling		0	0.20	0.15	34	116	29
1/8th Rated Power IEC65 Bandlimited Pink Noise	70V / Ch	30	0.57	0.31	71	242	61
6dB Crest Factor DS 16 EQ Enabled	100V / Ch	30	0.66	0.35	81	276	71
1/3rd Rated Power IEC65 Bandlimited Pink Noise	70V / Ch	80	1.13	0.58	133	454	114
6dB Crest Factor DS 16 EQ Enabled	100V / Ch	80	1.25	0.65	150	512	129

## **Mechanical Diagrams**





#### Architects' and Engineers' Specifcations

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The a { ]|i, e! •ha|| hace c, [ [ c] c cha} }e!• , ich a fle e c^ le•] [}•e [f 55 H: c[ 20 \H: (+0/.3 dB) a}d dlice 70/100V di•clib c da di[ • •ce { •. The a { ]|i, e! •ha|| hace THD+N ac laced ] [ , e! |e•• cha} [ !  $e^{a}$  a| c[ 0.3%. O c] c c[ }ecci[ }• •ha|| be { ade cia 2-]i} c[ c -]![ [f  $E^{i}$  ||b|[c\ c[ }ecci[ +•.

The a { ]|i,e! •ha|| { eec [! e¢ceed che f[||[,i}]g ]e!f[! { a}ce • ]eci, caci[ $\}$ •: cha} }e| •e]a!aci[} (c![••ca|\) |e•• cha} [! e<sup>\*</sup>a| c[ -60 dB be|[, !aced ][,e! ac 1 \H: a}d d^}a { ic !a}ge [f 88 dB. The a { ]|i,e! •ha|| haçe 1 |i}e-|eçe| i} č (RCA •ce!e[ [! 5-]i} E<sup>\*</sup>![b|[c\) a}d 1 !e { [ce c[]c![[i]] č. Th!ee LED• •ha|| be çi•ib|e [] che f![]c ]a}e| . []e (b| e) f[!][,e!/•ca}db^ i}dicaci[], che •ec[]d (!ed) f[! i]] č !eçe| [çe! 9 dBV, a}d che child (!ed) f[! [<sup>\*</sup>c] č !eçe| [çe! .2 dBFS.

The a { ]|i,e! •ha|| hace 2 !e { [ce c[ c: [i] ]  $ce : ]ce \}ded f[! •e , ich che B[•e V[| { e c[ c: [i] •e! i}ce!face [! child ]a!c 10 \ [h { [i]ea! ca]e! ][ce}ci[ { ece! •. The a { ]|i,e! •ha|| [ffe! a { a•ce! { ce [} }ceci[ } f[! •e , ich ecce! ]a| d! c []cacc• c[ { ce [ c] c [ c c] c [f che a { ]|i,e!. The !ea! ]a}e| •ha|| c[]cai} a d `a|/• { { ed i} ] c • , icch chac a||[, • []ci { i:aci[ } [f che a { ]|i,e! i}] č.$ 

The a { ]|i,e! cha••i• •ha|| be c[ $\cdot$ ci<sup>\*</sup> cced [f] ai}ced •cee|. The di {e}•i[}• [f che a { ]|i,e! •ha|| a||[, f[! 19-i}ch (483 { { EIA •ca}dald lac\ { [\*]ci}g. The cha••i• •ha|| be 1.7 i}che• (44 { { }) i} heighc, 19.0 i}che• (483 { { }) i}, idch a}d 12.8 i}che• (324 { { }) i} de]ch. The a { ]|i,e! cha••i• •ha|| eigh 8.5 ][\*]d• (3.9 \g). The a { ]|i,e! •ha|| be che B[•e FleeS]ace ZA 2120-HZ :[}e a { ]|i,e!.



The FleeS]ace ZA 2120-HZ : []e a { ]]i, el c[ { ]]ie• ,ich CE le ``ile { e}c• a}d i• UL |i•ced acc[ldi}g c[ UL60065 (7ch edici[}) a}d CAN/CSA C22.2 N[. 60065-03; CB a]] l[ced, acc[ldi}g c[ IEC60065 (7ch edici[}), i}c] `di}g g![`] a}d aci[}a| diffele}ce•. Thi• { [de]  $a|\bullet[c[ { ]]ie•, ich FCC Palc 15B C|a•• A (2003),$  $EN55103-1 (1997), EN55103-2 (1996), a}d CISPR13$  $(2003) le ``ile { e}c•.$ 

## **Product Codes**

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120V.US	722196-1410
230V.EU	722196-2410
100V . Ja]a}	722196-3410
230V.UK	722196-4410
240V . AU	722196-5410

#### Accessories

V[|`{ec[}c|[|`•e|i]celface (PC-041966)

