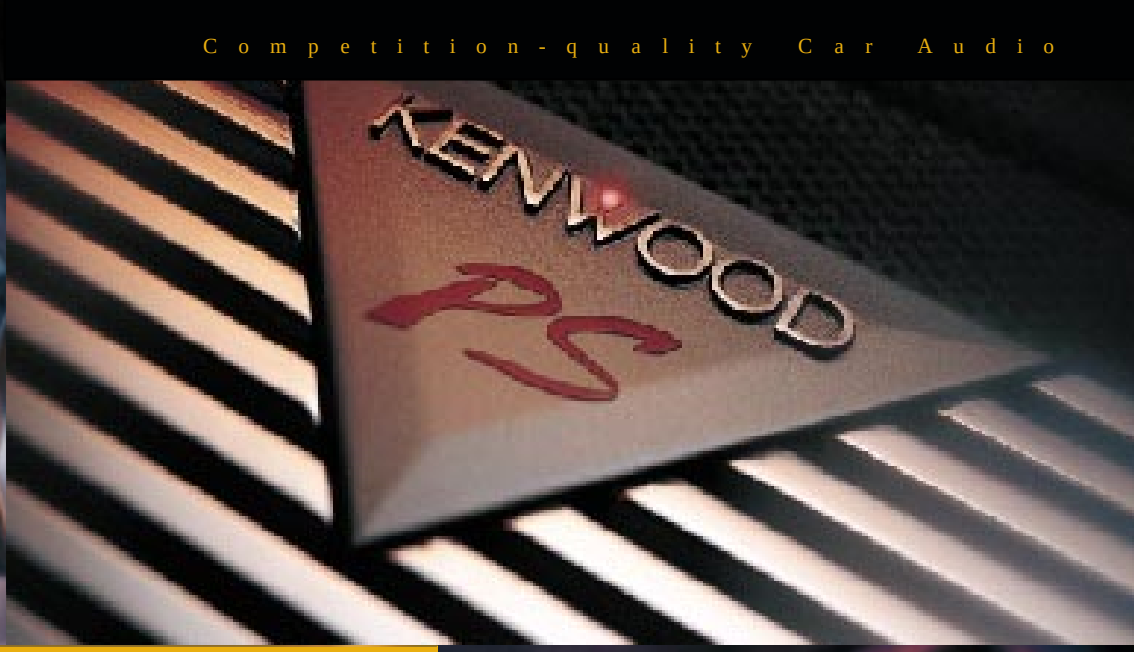


Kenwood Excelon

head units

PS Series

amplifiers

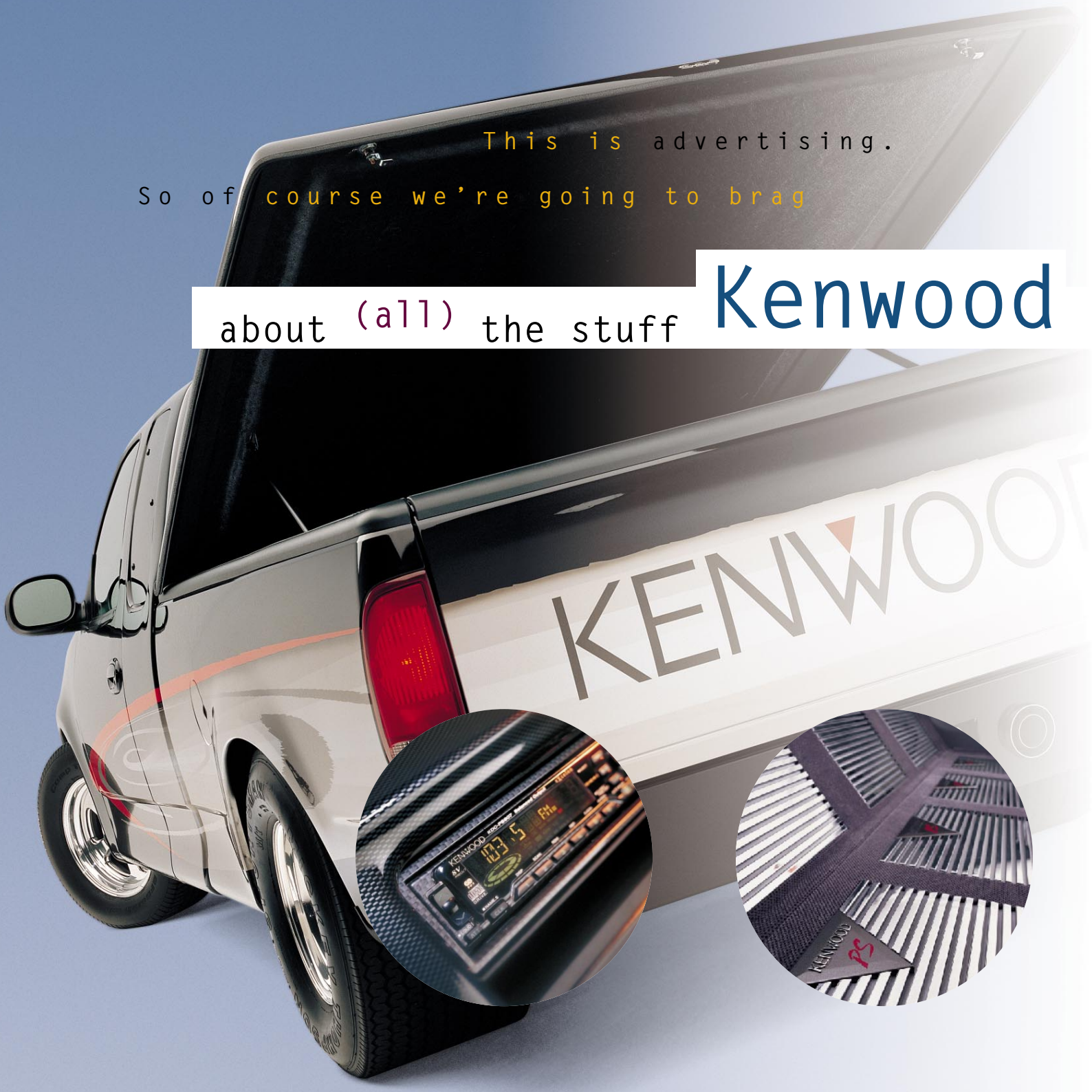
HQ

speakers

KENWOOD

This is advertising.

So of course we're going to brag about (all) the stuff Kenwood



On the cover: Inside Kenwood's Ford F-150 Pick up

We packed our F-150 with a 2,500-watt Kenwood system: a KDC-PS907 head unit, a KDC-C810 multiple CD changer, a KEC-600 6-Way electronic crossover, two KAC-PS400M mono amps driving four HQW300 woofers, three KAC-PS300T 2-channel amps driving a set of KFC-W1602 midwoofers, two KAC-PS300T 2-channel amps and two KAC-200T 2-channel amps delivering power to KFC-HQR42 and KFC-HQR52 midrange and tweeter packages. All in a custom install you have to see to believe. And the truck —which we decked out with polished amps, chrome 4-bar rear suspension and a bed of custom rosewood and stainless-steel —is pretty nice, too.

Want it to see it in person? Get details on when it will appear at a store near you from your Kenwood car audio dealer, or on our Web site: www.kenwoodusa.com.

has — that NOBODY else does:

Only Kenwood has head units with MASK, the world's only self-hiding, revolving faceplate.

Only Kenwood has head units with System E's, a crossover that's built in.

Only Kenwood has amps that are far more efficient, which means they play much louder with less power.

Only Kenwood has DRIVE digital distortion reduction circuitry.

Only Kenwood has DualMags speakers, a patented design for a better speaker that's also smaller and lighter.

Only Kenwood has an amp with Sigma Servo circuitry that increases speaker damping from 150 to 9,000.

Only Kenwood has custom color faceplates.

Kenwood also has,

In our head units: 0-Bit Mute for true silence between songs; Non-fading Output with level control; Selectable High-Pass Filter to easily add subwoofers; 4-Volt Preamp Output, Low Impedance Preamp Output, and 8-Volt Balanced Preamp Output for greatly reduced noise; RDS (Radio Data Service) that lets you see text on your radio; and Source Tone Memory that recalls bass and treble settings for CD, cassette or radio.

and In our amplifiers:

High-efficiency design delivers more sound with no need for second battery or bigger alternator; patented Band Reject Filter that knocks out unnatural peaks; patented Infrasonic Filter that cuts out energy-wasting frequencies; patented Isolation Amp for better signal-to-noise ratio; Independent power source for final output keeps voltage up and distortion down; New High Performance EE Transformer with the highest cross-sectional area used in car audio for more power; Heavy-duty Bus Bars to deliver more power point-to-point inside the amp; Overvoltage and Overcurrent Protection keeps the amp safe from electrical damage; and Glass Epoxy Printed Circuit Boards for long life.

and, In our speakers:

Pearl Mica-injected Polypropylene Woofer Cones for more accurate sound, Balanced Dome Tweeters, for smooth, wide-angle highs, Swivel Tweeter Mounts so you can aim the tweeters, PPTA Film Tweeters for quick response, Gold Plated Terminals on all woofers and HQR crossovers for professional connections, new Kenwood Screw-type Terminals with spades for small box woofers, 2-Layer Strontium Ferrite Magnets to handle lots of power, and Polyamide Double Dampers for tighter bass.

But this is only advertising.

Better go to your Kenwood dealer and hear it in person.
You could do that today if you want.

This is the world's only self-hiding, revolving faceplae. Turn off your ignition and it automatically rolls over to show a blank panel. Turn it on and it rolls back out, good to go. No faceplate to lose. A bigger, easy-to-read display because the CD or cassette opening is behind the face-plate. That leaves more room on the faceplate for a large display. Plus, MASK units have a security code that locks out the slime that steals stereos. No code, no play. MASK is something only Kenwood has.

MASK:

System E's: Louder and better

System E's is an 8-position cutoff filter built in to the deck. It lets you keep bass out of your mid-range speakers. So they'll handle more power. So they'll play louder without distortion. Pick from eight high-pass filter cutoff frequencies (or no cutoff). You can apply the filters independently to the front speakers and preouts, rear speakers and preouts, or both. You can switch the front preout to a non-fading output with level adjustment to feed a subwoofer amplifier. It doesn't matter what amp and speaker configuration you have. And it doesn't matter what you put in later. You can always adjust System E's to get the best performance possible. System E's is something only Kenwood has.

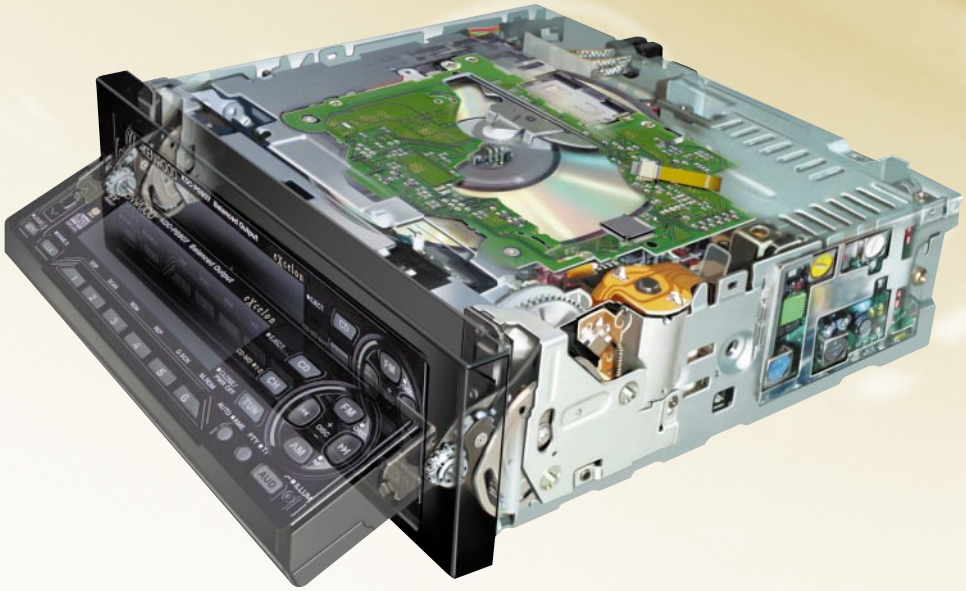
DRIVE: Distortion-B-Gone

Digital processing chops up sound waves into square stair steps. DRIVE smoothes it out again—and it's the only circuit anywhere that can do it. DRIVE virtually wipes out the digital distortion that was put in the CD when it was recorded. So you hear even the smallest musical detail. DRIVE is something only Kenwood has.

High Voltage Pre-Outs: Pump up the power

It's sort of obvious: get more volts from a head unit's preouts and you get more sound and less noise from your whole system. Here's what *Car Audio* magazine said about the 4-volt preouts available on Kenwood units: "This is a great feature and amounts to a 100% increase in signal over most other car audio head units. You can't hurt components and you will notice a definite improvement in performance over the regular 2-volt heads."

a brilliant disguise



0-Bit Mute: Silence that is silent

Some decks let electrical noise come through the system even when nothing's playing. But Kenwood CD players with 0-Bit Mute cut off all sound when there's no digital information coming through. Which means between songs, you'll hear nothing.

RDS (Radio Data Service): Read your radio

A lot of radio stations broadcast more than sound. RDS stations (there are hundreds now, and more every day) also broadcast text. Which you can read right on your radio's display—if you have an RDS-equipped radio, like the KDC-PS907 CD Player/Receiver or KRC-953 Cassette Player/Receiver. You'll see stuff like a station's format, call letters, song, album and artist information, time and temperature, contest information, traffic bulletins, and even the current subject of a call-in talk show.

KDC-PS907

CD Player/
Tuner with
CD Changer
Control

— MASK Self-Hiding Faceplate
—DRIVE Distortion Reduction Circuitry
—High Voltage Preamp Output (8V Balanced, 4V Unbalanced)
—Front, Rear and Non-Fading Gold Plated RCA Preouts
—Full-Function 10-Key Remote Control
—Radio Data System (RDS)
—CD Changer Control with Disc Naming
—Kenwood-Designed Superior Disc Transport
— Security Code System

KDC-8007

CD Player/
Receiver with
CD Changer
Control

—Maximum Power: 35 Watts x 4
—Full Bandwidth Power: 20 Watts x 4 (less than 1% THD)
—MASK Self-Hiding Faceplate
—DRIVE Distortion Reduction Circuitry
—System E's High-Pass Filter System
—Selectable Preout (Front/Non-Fading) with Level Control
—High Voltage Preamp Output (4V)
—CD Changer Control with Disc Naming
—Kenwood-Designed Superior Disc Transport
— Security Code System

KDC-6007

CD Player/
Receiver with
CD Changer
Control

—Maximum Power: 35 Watts x 4
—Full Bandwidth Power: 20 Watts x 4 (less than 1% THD)
—DRIVE Distortion Reduction Circuitry
—Selectable High-Pass Filter (180 Hz)
—Selectable Preout (Front/Non-Fading) with Level Control
—Kenwood-Designed Superior Disc Transport
—Removable Faceplate with Carrying Case
—2-Color Liquid Crystal Display
—CD Changer Control with Disc Naming

KRC-953

Cassette Player/ Receiver with CD Changer Control

—Maximum Power: 35 Watts x 4
—Full Bandwidth Power: 20 Watts x 4 (less than 1% THD)
—MASK Self-Hiding Faceplate
—System E's High-Pass Filter System
—Full-Function Remote
—Radio Data System (RDS)
—Selectable Preout (Front/Non-Fading) with Level Control
—Changer Control with Disc Naming
—Dolby B Noise Reduction
—Security Code System

KRC-803

Cassette Player/ Receiver with CD Changer Control

—Maximum Power: 35 Watts x 4
—Full Bandwidth Power: 20 Watts x 4 (less than 1% THD)
—MASK Self-Hiding Faceplate
—System E's High Pass Filter System
—High Voltage Preamp Output (4V)
—Selectable Preout (Front/Non-Fading) with Level Control
—Dolby B Noise Reduction
—Changer Control with Disc Naming
—Security Code System

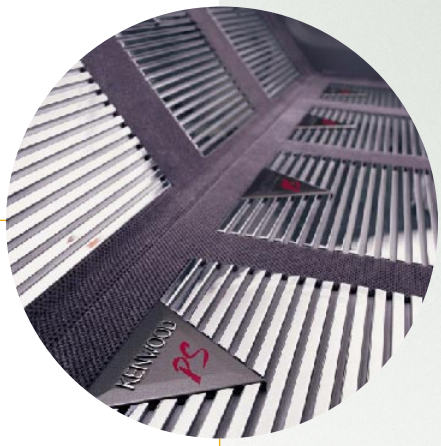
KRC-503

Cassette Player/ Receiver with CD Changer Control

—Maximum Power: 35 Watts x 4
—Full Bandwidth Power: 20 Watts x 4 (less than 1% THD)
—Full-Function 10-Key Remote Control
—Switchable High-Pass Filter (180Hz)
—Selectable Preout (Front/Non-Fading) with Level Control
—Removable Faceplate with Carrying Case
—Dolby B Noise Reduction
—Changer Control with Disc Naming

Most amps are about 40% efficient. In other words, about 60% of the power that goes in just cooks the amp instead of making sound. Kenwood amps are about 60% efficient, which means they play louder with less power. And stay cooler, so they'll last longer. It also means you can get big sound without having to add things like a second battery or a massive alternator.

HIGH efficiency design:



Separate power sources for driver and output stages: Keeps the power up

When a signal comes into an amp, it's increased first by the driver stage and then boosted to full volume by the output stage. Most amps run both stages from the same power supply, so when the final stage needs more power (like to play a loud bass note) the driver stage loses power and distorts. Kenwood amps have two power supplies, one for each stage. That keeps both stages separate and clean.

Sigma Servo System: The tightest bass around

An amp can't keep a subwoofer from getting muddy unless it can completely control the speaker's motion. Which is exactly what Kenwood's Sigma Servo does. Two extra wires (besides the speaker wire) go from amp to speaker, which gives the amp the feedback it needs to damp the speaker. Instead of a damping factor of 150, which is typical of most amps, Kenwood amps with Sigma Servo have a damping factor of 9,000. (Yes, that's 9,000.) You can easily hear the difference. It's a way tighter and punchier bass sound than amps without Sigma Servo. Sigma Servo is something only Kenwood has.

louder and cooler

Infrasonic filter: Takes out power-robbing low frequency grunge

You can't hear bass frequencies much below 25 Hz. But a lot of CDs have noise down there —noise that should have been filtered out by the manufacturer, but wasn't. When an amp gets this digital sludge, it will waste tons of power trying to play notes that aren't even there. Which is why Kenwood PS amps have an Infrasonic Filter that cuts out these low-frequency leeches before they make trouble.

Band-Reject filter: Tunes your amp to your car

Everything—including the inside of your car—resonates at a certain frequency. When the music hits that frequency, you'll get a wierd peak in the middle of your music. The Kenwood KAC-PS400 amp, however, has an adjustable Band-Reject Filter. With it, you can zero in on the peak, and make it go away.

Protection circuits: Keeps your amp from getting fried

Connecting an amp wrong can ruin it. So can running it with not enough or too much voltage, or letting it get too hot. That's why Kenwood PS amps have protection from overcurrent, overvoltage, and overheating. An indicator light turns green, yellow or red to tell you exactly what's going on.

KAC-PS400M

Mono Power Amplifier

—200 Watts x 1 at 12 volts
—300 Watts x 1 at 14.4 volts
—Sigma Servo
—MOSFET Power Supply
—Balanced Line Input (Selectable)
—Variable Low-Pass Filter
—Variable Band-Reject Filter
—Selectable Infrasonic Filter
—2-ohm Stable

KAC-PS300T

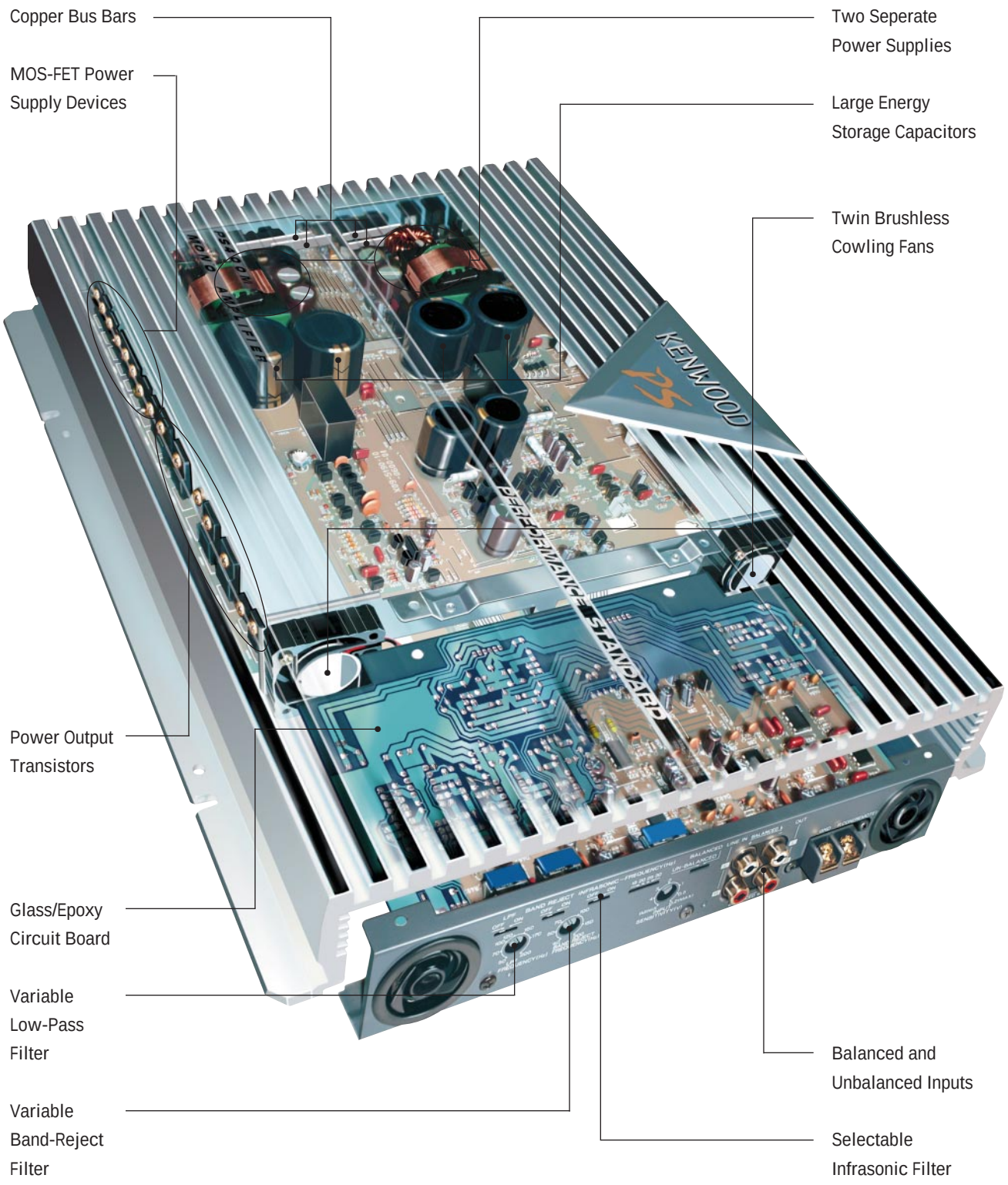
2-Channel Power Amplifier

—75 Watts x 2 at 12 volts
—100 Watts x 2 at 14.4 volts
—Sigma Drive
—MOSFET Power Supply
—Balanced Line Input (Selectable)
—Variable Low-Pass Filter
—Variable High-Pass Filter
—Switchable Infrasonic Filter
—2-ohm Stable

KAC-PS200T

2-Channel Power Amplifier

—50 Watts x 2 at 12 volts
—75 Watts x 2 at 14.4 volts
—Sigma Drive
—MOSFET Power Supply
—Balanced Line Input (Selectable)
—Variable Low-Pass Filter
—Variable High-Pass Filter
—Switchable Infrasonic Filter
—2-ohm Stable


Copper Bus Bars
MOS-FET Power Supply Devices
Two Seperate Power Supplies
Large Energy Storage Capacitors
Twin Brushless Cowling Fans
Power Output Transistors
Glass/Epoxy Circuit Board
Variable Low-Pass Filter
Variable Band-Reject Filter
Balanced and Unbalanced Inputs
Selectable Infrasonic Filter
KENWOOD
PERFORMANCE STANDARD

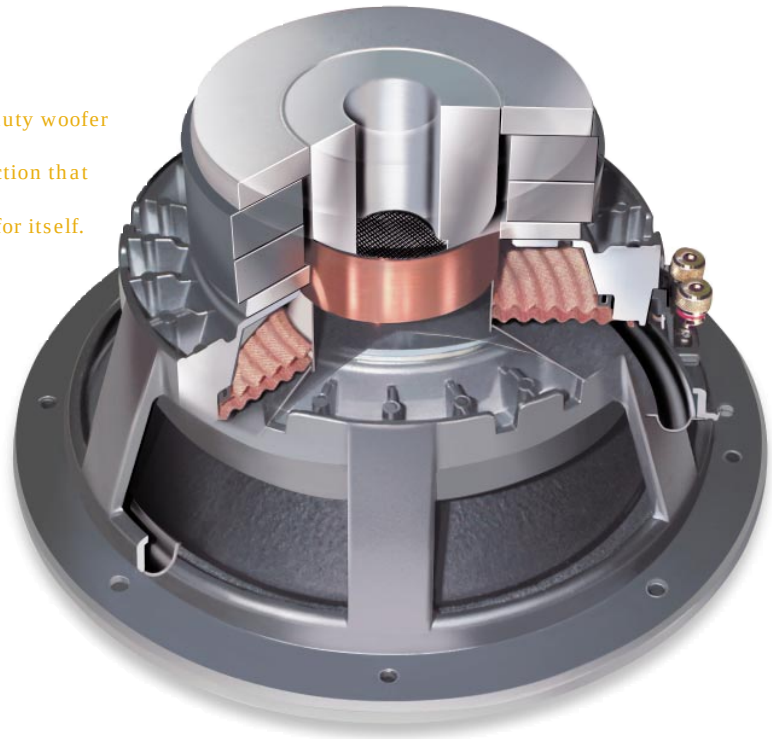
Amplifiers

Speakers

Kenwood pearl mica-injected speakers come in a cool color, but that's just a side effect. Pearl mica makes the cone dense and rigid, so its response is accurate, not sloppy. And we put in more pearl mica—in some cases up to eight times more—than other manufacturers. We use pearl mica with crystals that are all the same size so they fuse together into a strong, even cone. They use lumpy pearl mica with different-size crystals, so their cones have weak spots. We form our cones from the apex out, so the crystals lock together perfectly. Who knows what they do.

Pearl MICA-INJECTED polypropylene woofer cones:

Heavy-duty woofer construction that speaks for itself.



Balanced Dome Tweeters: Clear and Wide

Cone tweeters are clear, but send sound in one direction. Dome tweeters disperse the sound, but aren't as clear. Which is why we make Balanced Dome Tweeters. One of these looks like a cone tweeter with a dome tweeter stuck right in the middle of it. The area of the dome and the area of the cone are precisely matched, so the sound is balanced—clear and wide.

more Pearl Mica, no lumpy aftertaste

PPTA Film Tweeters: They don't wimp out in the heat

Heat is bad for tweeters. It makes them expand, and that changes the sound. Which is why we use poly para-phenylene terephthalamide (we just call it PPTA) to make tweeters that stay stable. It also has "higher internal loss and higher propagation speed" than typical tweeter material. Which means that a PPTA tweeter starts working the instant it gets a signal, and stops just as fast. And that keeps highs extremely clean and accurate.

DualMags Speakers: Better sound in small places

DualMags sound better because their design is completely different. It's a new technology Kenwood invented and owns. Instead of placing a big iron magnet around the voice coil, we put two small, but much more powerful, neodymium magnets inside the voice coil. The magnets are turned so their like poles face each other. This puts far more magnetic force in the voice coil gap, which controls the cone much more tightly for more accurate sound. And because the design is so efficient, you get all the volume per watt you'd get with a monster magnet. And you get it at a weight that's reduced by up to two-thirds and a profile that will slip into tighter spots. DualMags are something only Kenwood has.

KFC-HQR62

High-Quality 6-1/2” Midrange and 1” Tweeter

—6-1/2” Pearl-Mica Injected Polypopylene Midrange Cone
—DualMags Midrange Magnet System
—Ultra Lightweight Polyamide Dome Tweeter
—150 Watts Power Handling

KFC-HQT12

High-Quality 1” Soft Dome Tweeter

—Ultra Lightweight Polyamide Dome
—150 Watts Power Handling
—Flexible 3-Way Mounting

KFC-HQ710

High-Quality 7” x 10” 3-way Speakers

—Custom Design Fits Many 6” x 9” Cutouts
—Injection-Molded Polypropylene Woofer Cone
—200 Watts Power Handling
—Frequency Response: 25 Hz - 30 kHz

KFC-HQ575C

High-Quality 5” x 7” 2-Way Speakers

—Pearl-Mica Injected Polypropylene Woofer Cone
—Butyl Rubber Surround
—120 Watts Power Handling
—Frequency Response: 35 Hz - 30 kHz

KFC-HQR16

High-Quality DualMag 6” 3-Way Speakers

—DualMags Woofer Magnet Technology
—Bridged Tweeter Support Construction
—Injection-Molded Polypropylene Woofer Cone
—150 Watts Power Handling
—Frequency Response: 35 Hz - 30 kHz

KFC-HQ165

High-Quality 6” 3-Way Speaker

—Pearl-Mica Injected Injection-Molded Polypropylene Woofer Cone
—Balanced Dome Midrange and Tweeter
—150 Watts Power Handling
—Frequency Response: 35 Hz - 30 kHz

KFC-HQR13

High-Quality DualMag 5" 2-Way Speakers

—DualMags Woofer Magnet Construction
—Bridged Tweeter Support Construction
—Injection-Molded Polypropylene Woofer Cone
—100 Watts Power Handling
—Frequency Response: 40 Hz - 30 kHz

KFC-HQ135

High-Quality 5" 2-Way Speakers

—Pearl-Mica Injected Injection-Molded Polypropylene Woofer Cone
—1-3/16" PPTA Balanced Dome Tweeter
—100 Watts Power Handling
—Frequency Response: 40 Hz - 30 kHz

KFC-HQW308

High-Quality 12" Woofer

—1,000 Watts Power Handling
—Diecast Aluminum Frame
—24-Fin Heat Sink
—Heat-Resistant Polyamide Double Damper
—8-ohm Rated

KFC-HQ300

High-Quality 12" Woofer

—1,000 Watts Power Handling
—Diecast Aluminum Frame
—24-Fin Heat Sink
—Heat-Resistant Polyamide Double Damper
—4-ohm Rated

KFC-HQW258

High-Quality 10" Woofer

—600 Watts Power Handling
—Diecast Aluminum Frame
—24-Fin Heat Sink
—Heat-Resistant Polyamide Double Damper
—8-ohm Rated

KFC-HQW250

High-Quality 10" Woofer

—600 Watts Power Handling
—Diecast Aluminum Frame
—24-Fin Heat Sink
—Heat-Resistant Polyamide Double Damper
—4-ohm Rated

Models	KDC-PS907	KDC-8007	KDC-6007
Compact Disc Features			
Integrated Quad 1-Bit Digital to Analog Converter	•	•	•
8-Times Oversampling Digital Filter	20-Bit	20-Bit	20-Bit
DRIVE Distortion Reduction Circuitry	•	•	•
0-Bit Mute	•	•	•
Precision Digital Timing (DPAC)	•	•	•
Digital Optimum Servo Control	•	•	•
Kenwood-Designed Anti-Vibration Disc Transport	•	•	•
Disc Naming	•	•	•
Disc Name Preset Play	•	•	
Direct Track Access (using Remote)	•	Optional	Optional
Random Play	•	•	•
Frequency Response (±1 dB)	10Hz-20kHz	10 Hz-20 kHz	10 Hz-20 kHz
Total Harmonic Distortion (1 kHz)	0.01%	0.01%	0.01%
Signal-to-Noise Ratio	105 dB	105 dB	93 dB
Dynamic Range	100 dB	100 dB	93 dB
Channel Separation	85 dB	85 dB	85 dB
Tuner Features			
Tuner Section	CR-1	CR-1	CR-1
Radio Data System (RDS)	•		
Direct Access Tuning (using Remote)	•	Optional	Optional
Switchable High-Speed (CRSC) Multipath Control with ANRC	•	•	•
Station Presets	18 FM, 6 AM	18 FM, 6 AM	18 FM, 6 AM
Station Naming	•	•	
Station Name Preset Play	•	•	
Automatic Memory Entry	•	•	•
2-Way Seek (Up/Down)	•	•	•
Usable Sensitivity (0.8 µV/75 Ohms, S/N = 30 dB)	9.3 dBf	9.3 dBf	9.3 dBf
Quieting Sensitivity (1.6 µV/75 Ohms, S/N = 50 dB)	15.2 dBf	15.2 dBf	15.2 dBf
AM Usable Sensitivity (30 µV)	28 dBµ	28 dBµ	28 dBµ
Signal-to-Noise Ratio	75 dB	75 dB	75 dB
Selectivity	80 dB	80 dB	80 dB
IF Response Ratio	120 dB	120 dB	120 dB
Stereo Separation (1 kHz)	40 dB	40 dB	40 dB
General Features			
MASK Self-Hiding Revolving Faceplate	•	•	
Removable Faceplate with Carrying Case			•
Disabled System Indicator			•
Security Code	•	•	
Changer Control	•	•	•
Max Power Output (Watts per channel)		35 x 4	35 x 4
Full Bandwidth Power (<1% THD, Watts per channel)		20 x 4	20 x 4
Disc Naming	•	•	•
Simplified Alphanumeric Disc Naming (using Remote)	•	Optional	Optional
Disc Name Preset Play	•	•	
Attenuator with Smooth Volume Return	−20 dB, −60 dB	−20 dB	−20 dB
Source Tone Memory	•	•	•
DC-DC Converter Power Supply	•	•	
RCA Pre-Amp Output Level	8 V Balanced or 4 V Unbalanced	4 V	1,800 mV
RCA Pre-Amp Outputs	Front, Rear, Non-Fading (Gold-Plated)	Front/Rear	Front/Rear
Switchable Front/Non-Fading Preout		•	•
System E's Crossover System		•	
High-Pass Filter for Speaker Output (180 Hz)			•
Fader	Pre Only	Pre/Power	Pre/Power
3-Color Liquid Crystal Display	•	•	
2-Color Liquid Crystal Display			•
Switchable Key Illumination (Green/Amber)	•	•	•
Loudness Control	•	•	•
Touch-Tone Keys	•	•	•
Iso-Mount Capability for Japanese Vehicles	•	•	•
Remote	•	Optional (KCA-R6A)	Optional (KCA-R6A)
Clock	•	•	•
Product Dimensions and Weight			
Width	7 3/16″	7 3/16″	7 3/16″
Height	2 1/16″	2 1/16″	2 1/16″
Depth	6 1/2″	6 1/2″	6 5/16″
Weight	4 lb	4 lb	3.1 lb

Models	KRC-953	KRC-803	KRC-503
Tape Features			
Mechanism Control	Full Logic	Full Logic	Full Logic
Dolby B Noise Reduction	•	•	•
Tape Advance	•	•	•
Metal Tape Selector	•	•	•
Tuner Call in FF/REW	•	•	•
Wow & Flutter (WRMS)	0.08%	0.08%	0.08%
Frequency Response (70µs, ±3 dB)	30 Hz-20 kHz	30 Hz-20 kHz	30 Hz-18 kHz
Stereo Separation (1 kHz)	43 dB	43 dB	43 dB
Signal-to-Noise Ratio:			
Dolby Noise Reduction Off	57 dB	57 dB	57 dB
Dolby B Noise Reduction On	65 dB	65 dB	65 dB
Tuner Features			
Tuner Section	CR-1	CR-1	CR-1
Radio Data System (RDS)	•		
Direct Access Tuning (using Remote)	•	Optional	•
Switchable High-Speed (CRSC) Multipath Control with ANRC	•	•	
High Speed (CRSC) Multipath Control with ANRC			•
Station Presets	18 FM, 6 AM	18 FM, 6 AM	18 FM, 6 AM
Station Naming	•	•	
Station Name Preset Play	•	•	
Automatic Memory Entry	•	•	•
2-Way Seek (Up/Down)	•	•	•
Usable Sensitivity (0.8 µV/75 Ohms, S/N = 30 dB)	9.3 dBf	9.3 dBf	9.3 dBf
50 dB Quieting Sensitivity (1.6 µV/75 Ohm)	15.2 dBf	15.2 dBf	
Quieting Sensitivity (1.6 µV/75 Ohms, S/N = 50 dB)			15.2 dBf
AM Usable Sensitivity (30 µV)	28 dBµ	28 dBµ	28 dBµ
Signal-to-Noise Ratio (Mono)	75 dB	75 dB	75 dB
Selectivity	80 dB	80 dB	80 dB
IF Response Ratio	120 dB	120 dB	120 dB
Stereo Separation (1 kHz)	40 dB	40 dB	40 dB
General Features			
MASK Self-Hiding Revolving Faceplate	•	•	
Removable Faceplate with Carrying Case			•
Disabled System Indicator			•
Changer Control	•	•	•
Direct Track Access (using Remote)	•	Optional	•
Max Power Output (Watts per channel)	35 x 4	35 x 4	35 x 4
Full Bandwidth Power (<1% THD, Watts per channel)	20 x 4	20 x 4	20 x 4
Disc Naming (using Front Panel)	•	•	•
Simplified Alphanumeric Disc Naming (using Remote)	•	Optional	•
Disc Name Preset Play	•	•	
Attenuator with Smooth Volume Return	•	•	•
Source Tone Memory	•	•	•
RCA Pre-Amp Output Level	4V (CD Changer Mode)	1,800 mV	1,800 mV
RCA Pre-Amp Outputs	Front/Rear	Front/Rear	Rear
Switchable Front/Non-Fade	•	•	•
Non-Fade Level Control	•	•	•
System E's Crossover System	•	•	
High-Pass Filter (180 Hz)			•
Fader	Pre/Power	Pre/Power	Pre/Power
3-Color Liquid Crystal Display	•	•	
2-Color Liquid Crystal Display			•
Switchable Key Illumination (Green/Amber)	•	•	•
Loudness Control	•	•	•
Touch-Tone Keys	•	•	•
Iso-Mount Capability for Japanese Vehicles	•	•	•
Remote	•	Optional (KCA-R6A)	•
Product Dimensions and Weight			
Width	7 3/16″	7 3/16″	7 3/16″
Height	2 1/16″	2 1/16″	2 1/16″
Depth	6 5/16″	6 5/16″	6 1/16″
Weight	4 lb	4 lb	3.3 lb

Models	KAC-PS400M	KAC-PS300T	KAC-PS200T
Features			
Channels of Amplification	1	2, 1	2, 1
Maximum Output Power (Watts per channel):	1200 x 1	200 x 2	150 x 2
Rated Power (Watts per channel)			
12 V, 4 Ohm (20 Hz-20 kHz)	200 x 1	75 x 2	50 x 2
12 V, 2 Ohm (1 kHz)	400 x 1	150 x 2	100 x 2
12 V, 4 Ohm Bridged (1 kHz)		300	200
14.4 V, 4 Ohm (20 Hz-20 kHz)	300 x 1	100 x 2	75 x 2
14.4 V, 2 Ohm (1 kHz)	600 x 1	200 x 2	150 x 2
14.4 V, 4 Ohm Bridged (1 kHz)		400 x 1	300 x 1
THD at Rated Power			
12 V, 4 Ohm (20 Hz-20 kHz)	0.05%	0.05%	0.05%
12 V, 2 Ohm (1 kHz)	0.5%	0.5%	0.5%
12 V, 4 Ohm Bridged (1 kHz)		0.5%	0.5%
14.4 V, 4 Ohm (20 Hz-20 kHz)	0.05%	0.05%	0.05%
14.4 V, 2 Ohm (1 kHz)	0.5%	0.5%	0.5%
14.4 V, 4 Ohm Bridged (1 kHz)	0.5%	0.5%	0.5%
Damping Factor	9900 (at Sigma)	200	200
Signal-to-Noise Ratio	105 dB	105 dB	105 dB
Power MOSFET Switching Power Supply	•	•	•
Sigma Servo	•		
Sigma Drive		•	•
Switchable High-Pass Electronic Crossover Filter		50-200 Hz / 12 dB/Oct	50-200 Hz / 12 dB/Oct
Switchable Low-Pass Electronic Crossover Filter	50-200 Hz / 24 dB/Oct	50-200 Hz / 18 dB/Oct	50-200 Hz / 18 dB/Oct
Infrasonic Filter	15, 20, 25, or 30 Hz, 24 dB/Oct	25 Hz 18 dB/Oct	25 Hz 18 dB/Oct
Band-Reject Filter	40-200 Hz / 24dB/Oct		
Tri-Mode Operation/Bridgeable		•	•
Brushless Cooling Fan	2	2	
2 Ohm Stable	•	•	•
Variable Input Sensitivity			
0.2 V-5 V	•	•	•
0.2 V-4 V			
0.15 V-4 V			
Operation Switch		Str/Mono-L/Tr	Str/Mono-L/Tr
Input Selector (A/B)			
Low Frequency Boost			
Protection Indicator	3 Color		
Balanced Isolation Circuit	•	•	•
Ground Isolation Circuit			
Gold RCA Inputs/Outputs	•	•	•
Gold RCA Inputs			
Balanced Line Input (Selectable)	•	•	•
Large Screw-Type, Gold-Plated Power Input Terminals	•	•	•
Gold-Plated Power Input Terminals			
2-Ch. Speaker Level Input w/Screw-Type Terminals			
Product Dimensions and Weight			
Width	10 11/16″	10 11/16″	10 11/16″
Height	2 5/16″	2 5/16″	2 5/16″
Depth	15 3/4″	11 13/16″	10 5/8″
Weight	14.3 lb	10.8 lb	9.4 lb

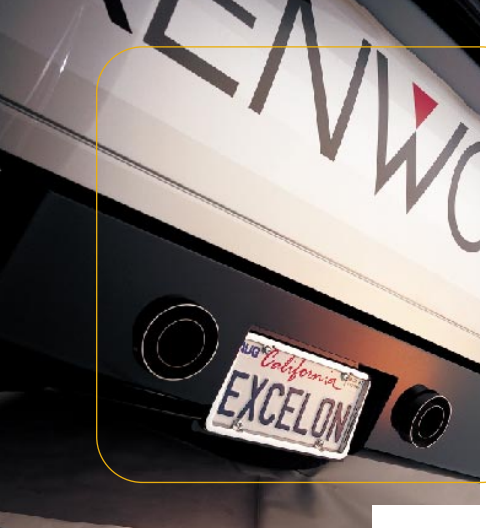
Models		KFC-HQW308	KFC-HQW300	KFC-HQW258	KFC-HQW250
Features					
Cone Diameter		12″	12″	10″	10″
Pearl Mica Injection-Molded Polypropylene Woofer Cone					
Recommended Enclosure Type		Ported	Ported	Ported	Ported
Frequency Response		18 Hz-2 kHz	18 Hz-2 kHz	18 Hz-2 kHz	18 Hz-2 kHz
Mounting Depth		5 13/16″	5 13/16″	5 5/16″	5 5/16″
Product Dimensions and Weight					
Width		12 7/16″	12 7/16″	11 1/4″	11 1/4″
Height		12 7/16″	12 7/16″	11 1/4″	11 1/4″
Depth		6 1/2″	6 1/2″	6	6
Weight		19.4 lb	19.4 lb	12.1 lb	12.1 lb
Power Handling		1000 Watts	1000 Watts	600 Watts	600 Watts
RMS Power Handling		300 Watts	300 Watts	200 Watts	200 Watts
Sensitivity (1w/1m)		91 dB	91 dB	90 dB	90 dB
Thiele Small Parameters	**Sign**				
Nominal Impedance	2	8 Ohms	4 Ohms	8 Ohms	4 Ohms
D.C. Resistance	Re	6.49 Ohms	3.25 Ohms	6.54 Ohms	3.8 Ohms
Resonant Frequency	Fso	30 Hz	29 Hz	32 Hz	31 Hz
Resonant Frequency Impedance	Zso	38.02 Ohms	24.01 Ohms	34.78 Ohms	20.2 Ohms
Mechanical Q Factor	Qms	2.425	2.539	3.139	2.792
Electrical Q Factor	Qes	0.516	0.397	0.629	0.545
Total Q Factor	Qts	0.425	0.343	0.524	0.456
Volume Acoustic Compliance	Vas	2.3 Cu Ft 65.14 Liter	2.61 Cu Ft 73.93 Liter	1.3 Cu Ft 36.82 Liter	1.48 Cu Ft 41.91 Liter
Mechanical Resistance	Rms	7.846 lb	4.761 lb	5.702 lb	5.113 lb
Moving Mass	Mms	2.58 oz	2.62 oz	2.21 oz	2.22 oz
Emissive Diameter of the Diaphragm	D	0.247 m	0.247 m	0.215 m	0.215 m
Voice Coil Diameter	d	3.18″	3.18″	2.55″	2.55″
Voice Coil Layers	n	2	2	2	2
Flux Density [T]	B	0.95	0.95	0.82	0.82
Force Factor [Tm]	Bl	15.465	12.126	12.502	9.614
Diameter of Magnet	A	6.14″	6.14″	5.12″	5.12″
Weight of Magnet	M	92.71 oz	91.71 oz	63.49 oz	63.49 oz
Peak Excursion	Xmax	0.24″	0.24″	0.26″	0.24″
Recommended Enclosure Volume* (Cu. Ft.)		1.667	1.988	0.997	1.261
Recommended Port Diameter (In.)		3	4	3	3
Recommended Port Length (In.)		9.196	14.5	15.667	13

** Includes Speaker and Port Displacement*

Models	KFC-HQR16	KFC-HQR13	KFC-HQR10	KFC-HQ165	KFC-HQ135	KFC-HQ105
Features						
Type	3-Way, 3-Speaker	2-Way, 2-Speaker	2-Way, 2-Speaker	2-Way, 2-Speaker	2-Way, 2-Speaker	2-Way, 2-Speaker
Woofer	6	5	4	6	5	4
Midrange	1 9/16″					
Tweeter	1	1 3/16″	1	1 9/16″	1 3/16″	1
Super Tweeter						
Polypropylene Woofer Cone	•	•	•	Pearl Mica	Pearl Mica	Pearl Mica
Swivel Tweeter Mount (15°)				•	•	•
Power Handling	150 Watts	100 Watts	70 Watts	150 Watts	100 Watts	70 Watts
Sensitivity (1w/1m)	92 dB	91 dB	90 dB	92 dB	91 dB	90 dB
Frequency Response	35 Hz-30 kHz	40 Hz-30 kHz	45 Hz-30 kHz	35 Hz-30 kHz	40 Hz-30 kHz	45 Hz-30 kHz
Impedance	4 Ohms	4 Ohms	4 Ohms	4 Ohms	4 Ohms	4 Ohms
Product Dimensions and Weight						
Magnet Weight	2 x 1.6 oz	2 x .82 oz	2 x .29 oz	11.9 oz	8.2 oz	6.5 oz
Crossover Point						
Mounting Depth	2 5/16″	2 1/4″	1 5/8″	2 5/16″	2 1/4″	1 5/8″
Width	6 11/16″	2 1/4″	5 3/8″	6 11/16″	6 1/4″	5 3/8″
Height	6 11/16″	6 1/4″	5 3/8″	6 11/16″	6 1/4″	5 3/8″
Depth	3 3/4″	2 5/16″	2 3/8″	3 1/16″	2 13/16″	2 3/16″
Weight	1.1 lb	0.8 lb	0.5 lb	2.2 lb	1.4 lb	1.2 lb

Models	KFC-HQR62	KFC-HQR52	KFC-HQR42
Features			
Type	Package	Package	Package
Woofer			
Midrange	6½″	5″	4″
Tweeter	1″	1″	1″
Pearl Mica Injection-Molded Polypropylene Woofer Cone	•	•	•
Swivel Tweeter Mounting (30°)	•	•	•
Power Handling	150 Watts (system)	150 Watts (system)	150 Watts (system)
Sensitivity (1w/1m)	90 dB	90 dB	90 dB
Frequency Response	35 Hz-26 kHz	40 Hz-26 kHz	50 Hz-26 kHz
Woofer Impedance (System)	4 Ohms	4 Ohms	4 Ohms
Woofer Magnet Weight	0.82 oz (2)	0.82 oz (2)	0.29 oz (2)
Tweeter Impedance (System)	4 Ohms	4 Ohms	4 Ohms
Tweeter Magnet Weight	0.21 oz	0.21 oz	0.21 oz
Crossover Point	4 kHz, 12 dB / oct	4 kHz, 12 dB / oct	4 kHz, 12 dB / oct
Product Dimensions and Weight			
Mounting Depth	2 3/16″	1 7/8″	1 5/8″
Width	6 11/16″	6 1/4″	5 3/8″
Height	6 11/16″	6 1/4″	5 3/8″
Depth	3″	2 9/16″	2 1/4″
Weight	0.82 lb	0.68 lb	0.44 lb
Tweeter Width	1 9/16″	1 9/16″	1 9/16″
Tweeter Height	1 9/16″	1 9/16″	1 9/16″
Tweeter Depth	11/16″	11/16″	11/16″
Tweeter Weight	1.4 oz	1.4 oz	1.4 oz

Models	KFC-HQ710	KFC-HQ691	KFC-HQ575C	KFC-HQ454C	KFC-HQT12
Features					
Type	3-Way, 3-Speaker	3-Way, 3-Speaker	2-Way, 2-Speaker	2-Way, 2-Speaker	Tweeter
Woofer	7″x10″	6″x9″	5″x7″	4″x6″	
Midrange	2 3/4″	2 3/4″			
Tweeter	1″	1″	1 9/16″	1 3/16″	1″
Super Tweeter	•				
Polypropylene Woofer Cone	•	•	Pearl Mica	Pearl Mica	
Swivel Tweeter Mount (15°)					•
Power Handling	200 Watts	200 Watts	120 Watts	60 Watts	150 Watts
Sensitivity (1w/1m)	93 dB	92 dB	92 dB	92 dB	90 dB
Frequency Response	25 Hz-30 kHz	28 Hz-30 kHz	35 Hz-30 kHz	40 Hz-30 kHz	4 kHz-26 kHz
Impedance	4 Ohms	4 Ohms	4 Ohms	4 Ohms	4 Ohms
Product Dimensions and Weight					
Magnet Weight	18 oz	18 oz	8.3 oz	5.6 oz	0.21 oz
Crossover Point					Over 5 kHz
Mounting Depth	3 1/4″	3 7/16″	2 1/16″	1 3/4″	
Width	10 5/8″	10 9/16″	8 11/16″	6 1/4″	1 9/16″
Height	7 13/16″	6 11/16″	5 7/16″	4″	1 9/16″
Depth	4 3/4″	4 1/2″	2 11/16″	2″	11/16″
Weight	4.8 lb	5.3 lb	1.9 lb	1.2 lb	1.4 oz



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