


audio research

A black and white photograph showing a row of vacuum tubes, likely from a vintage audio amplifier. The tubes are illuminated from above, creating a strong glow and highlighting their glass and metal components. They are arranged in a perspective that recedes into the background.

An exploration of the past, looking at the future with respect

PRISLISTA 2018

**audio research**  
INTEGRATED AMPLIFIERS



## VSI75



Pris: 100 000kr

## TEKNISKA SPECIFIKATIONER

### POWER OUTPUT

75 watts per channel continuous from 20Hz to 20kHz.  
1 kHz total harmonic distortion typically 1.5% at 75 watts, .05% at 1 watt.

### POWER BANDWIDTH

(-3dB points) 12Hz to 70kHz.

### FREQUENCY RESPONSE

(-3dB points at 1 watt) 1.0Hz to 70 kHz.

### INPUTS

(5) 1, 2, 3, 4, 5 (Single Ended RCA connectors).

### OUTPUT TAPS

8 ohms, 4 ohms.

### HUM & NOISE

Less than 1.0 mV RMS -88dB below rated output  
(IHF weighted, Vol down).

### TUBES REQUIRED

2-Matched pair KT150-Power Output; 2 -6H30 driver.

### DIMENSIONS

Width 14.5" (36.8 cm); Height 9.25" (23.5 cm);  
Depth 16.25" (41.3 cm); Rear connectors extend .88" beyond chassis.

### WEIGHT

36.4 lbs. (16.5 kg) Net; 49.3 lbs. (22.4 kg) Shipping.

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PREAMPLIFIERS



## GSPre



Pris: 180 000kr

## TEKNISKA SPECIFIKATIONER

### FREQUENCY RESPONSE

line:  $\pm 0.3$ dB 2Hz to 80kHz;  $\pm 0.3$ dB 0.8Hz to 220kHz

Phono:  $\pm 0.1$ dB of RIAA 10Hz to 20kHz,  $\pm 0.4$ dB 5Hz to 80kHz

Headphone:  $\pm 0.05$ dB 20Hz to 20kHz;  $\pm 0.3$ dB 0.8Hz to 220kHz

### THD+N @ 1KHZ

line:  $< 0.002\%$  at 2V RMS, Bal output

Phono:  $< 0.005\%$  at 3V RMS output, to Record output

Headphone:  $< 0.009\%$  at 1V RMS output

### SIGNAL TO NOISE RATIO @ 1KHZ, A-WEIGHTED

line:  $> 125$ dB Balanced output

Phono:  $> 94$ dB to Record output

Headphone:  $> 110$ dB

### MAXIMUM INPUT

line: 12V RMS Balanced, 6.0V RMS SE.

Phono: 11mV RMS at 1kHz.

### RATED OUTPUT

line: 2V RMS (1V RMS SE) into 200K ohms balanced load

(maximum balanced output capability is 15V RMS at less than .5% THD+N at 1kHz.)

Phono: 0.5V RMS into 200K load, Max output same as Line stage.

Headphone: 6V RMS maximum into 30 to 300 ohm load.

### CONTROLS

Volume, Input Selector.

5 Push Buttons: Power, Mute, SPKR Off, Mono, Menu.

Rear; RS-232 control, Remote IR input & Remote Trigger out.

### POWER SUPPLIES

Electronically regulated low and high voltage supplies.

Automatic 45 sec. warm-up & brown-out mute.

Line regulation better than .01%.

### TUBE COMPLEMENT

(6) 6H30P dual triodes.

## LS28



Pris: 90 000kr

## TEKNISKA SPECIFIKATIONER

### FREQUENCY RESPONSE

+0-3dB, 0.4Hz to 200kHz at rated output (Balanced, 200k ohms load)

### THD+NOISE

Less than .007% at 2V RMS BAL output.

### NOISE

Less than -100dBv at max volume (103).

### GAIN

Main output: 18.7dB balanced output. (9.3dB SE output.)  
Record output: 0dB (Processor input: 0dB balanced out).

### INPUT IMPEDANCE

100K ohms Balanced, 50K ohms SE. 8 Inputs - 4 balanced, 4 single-ended.

### OUTPUT IMPEDANCE

600 ohms Balanced, 300 ohms SE Main (2),  
20K ohms minimum load and 2000pF maximum capacitance.  
Outputs (3): 2 Main, 1 Record (XLR and RCA connectors).

### RATED OUTPUTS

2V RMS (1V RMS SE) 1Hz to 200kHz into 200K ohm balanced load  
(maximum balanced output capability is 17V RMS at less than 0.5% THD at 1kHz).

### CONTROLS

Rotary volume selector (103 steps) and rotary input selector.  
Push buttons: Power, Menu, Enter, Mono, Invert, Mute

### TUBE COMPLEMENT

(4) 6H30P dual triode.

## REF6



Pris: 165 000kr

## TEKNISKA SPECIFIKATIONER

### FREQUENCY RESPONSE

+0-3dB, 0.4Hz to 200kHz at rated output (Balanced, 200k ohms load).

### DISTORTION

Less than .01% at 2V RMS BAL output.

### MAXIMUM INPUT

18V RMS BAL, 9V RMS SE.

### RATED OUTPUTS

2V RMS (1V RMS SE) into 200K ohm balanced load  
(maximum balanced output capability  
is 70V RMS at less than 0.5% THD at 1kHz).

### CROSSTALK

-88dB or better at 1kHz and 10 kHz.

### CONTROLS

Rotary encoders: Volume (103 steps), Select Input.  
Push Buttons: Power, Menu, Enter, Mono,  
Invert, Mute.

### NOISE

1.7uV RMS residual IHF weighted balanced equivalent input noise  
with volume at 1 (109dB below 2V RMS output.)

### TUBE COMPLEMENT

(6)-6H30P dual triodes, plus (1 each) 6550WE and 6H30P in power supply.

### DIMENSIONS

Width: 19" (48 cm)

Height: 7.8" (19.8 cm)

Depth: 16.5" (41.9 cm)

Handles extend 1.6" (4 cm) forward of the front panel.

Weight: 37.5 lbs. (17 kg) Net; 49 lbs. (22.3 kg) Shipping

## REF10



Pris: 350 000kr

## TEKNISKA SPECIFIKATIONER

### FREQUENCY RESPONSE

+0 -3dB 0.1Hz to 200kHz at rated output. (BALANCED, 200k ohms load.)

### DISTORTION

Less than .006% at 2V RMS Balanced output.

### INPUT IMPEDANCE

120K ohms Balanced, 60K ohms SE,  
Inputs (7): 1, 2, 3, 4, 5, 6, PROCESSOR. (XLR and RCA connectors).

### OUTPUT IMPEDANCE

600 ohms Balanced, 300 ohms SE main (2),  
20K ohms minimum load and 2000pF maximum capacitance.  
Outputs (3): 2 main, 1 tape (XLR and RCA connectors).

### OUTPUT POLARITY

Non inverting.

### MAXIMUM INPUT

20V RMS maximum Balanced, (10V RMS SE).

### RATED OUTPUTS

2V RMS (1V RMS SE) into 200K ohm balanced load  
(maximum balanced output capability is 30V RMS at less than 0.5% THD at 1kHz).

### POWER SUPPLIES

Electronically regulated low and high voltage supplies.  
Automatic 40 sec. warm-up/brown-out mute. Line regulation better than .01%.

### NOISE

1.7uV RMS residual IHF weighted balanced equivalent input noise with volume at 1  
(109dB below 2V RMS output.)

### TUBE COMPLEMENT

(8)-6H30P dual triodes, plus (2 each) 6550C and 6H30P in power supply

## SP20



Pris: 110 000kr

## TEKNISKA SPECIFIKATIONER

### FREQUENCY RESPONSE

Line:  $\pm 3\text{dB}$  2 Hz to 80 kHz;  $-3\text{dB}$  0.8Hz to 220 kHz  
Phono:  $\pm 0.1\text{dB}$  of RIAA 10Hz to 20kHz;  $\pm 0.4\text{dB}$  5Hz to 80kHz  
Headphone:  $\pm 0.05\text{dB}$  20Hz to 20kHz;  $-3\text{dB}$  0.8Hz to 220kHz

### THD+N

Line:  $<0.003\%$  at 2V RMS, Bal output  
Phono:  $<0.005\%$  at 3V RMS output, to Record output  
Headphone:  $<0.009\%$  at 1V RMS output

### RATED OUTPUTS

Line: 2V RMS (1V RMS SE) into 200k ohms balanced load (maximum balanced output capability is 25V RMS)  
Phono: 0.5V RMS into 100k load at Record output (maximum output capability is 25V RMS)  
Headphone: 6V RMS maximum into 30 to 300 ohm load.

### INPUT IMPEDANCE

120k ohms Balanced, 60k ohms SE;  
Phono impedance programmable (100, 200, 500, 1000 or 47k ohms w/200pf unbalanced)

### OUTPUT IMPEDANCE

500 ohms Balanced, 250 ohms SE; 1000 ohms Record Out SE;  $<0.05$  ohms Headphone S

### MAXIMUM INPUT LINE

19V RMS Balanced, 9V RMS SE. Phono: 70mV RMS at 1kHz.

### TUBE COMPLEMENT

4 6H30 dual triode.

### DIMENSIONS

Width 19" (48 cm)  
Height 5.25" (13.4 cm) (standard rack panel)  
Depth 16.5" (42 cm) D.

### WEIGHT

17.8 lbs. (7.4 kg) Net;  
27.8 lbs. (10.5 kg) Shipping.

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POWER AMPLIFIERS



## VT80SE



Pris: 110 000kr

## TEKNISKA SPECIFIKATIONER

### POWER BANDWIDTH

(-3dB points) 7Hz to 60kHz.

### FREQUENCY RESPONSE

(-3dB points at 1 watt) 0.7Hz to 80kHz.

### INPUT SENSITIVITY

1.4V RMS BAL for rated output. (25dB Bal gain into 8 ohms.)

### INPUT IMPEDANCE

300K ohms Balanced (150K ohms SE)

### OUTPUT POLARITY

Non-inverting. Balanced input pin 2+ (IEC-268)

### OUTPUT TAPS

8 ohms, 4 ohms

### OUTPUT REGULATION

Approximately 1.0dB 8 OHM LOAD TO OPEN CIRCUIT  
(Damping factor approximately 8)

### OVERALL NEGATIVE FEEDBACK

15dB

### SLEW RATE

10 volts/microsecond

## GS150



Pris: 240 000kr

## TEKNISKA SPECIFIKATIONER

### POWER OUTPUT

155 watts per channel continuous from 20Hz to 20kHz. 1kHz total harmonic distortion typically 0.6% at 155 watts, below 0.03% at 1 watt. Approximate actual power available at 'clipping' 160 watts (1kHz). (Note that actual power output is dependent upon both line voltage and 'condition' i. e.: if power line has high distortion, maximum power will be affected adversely, although from a listening standpoint this is not very critical.)

### POWER BANDWIDTH

(-3dB points) 5Hz to 80kHz.

### FREQUENCY RESPONSE

(-3dB points at 1 watt) 0.5Hz to 120 kHz.

### INPUT SENSITIVITY

2.0V RMS BAL for rated output. (24 dB Bal gain into 8 ohms.)

### INPUT IMPEDANCE

300K ohms Balanced.

### OUTPUT TAPS

8 ohms, 4 ohms.

### POWER REQUIREMENTS

105-125VAC 60Hz (210-250VAC 50Hz) 730 watts at rated output, 900 watts maximum, 4200VA.

### TUBES REQUIRED

4 – Matched pair KT150 – Power Output; 4 – 6H30 Driver.

### DIMENSIONS

19" (48.3 cm) W x 9 3/8" (23.8 cm) H x 22 3/4" (57.8 cm) D.

## REF75SE



Pris: 120 000kr

## TEKNISKA SPECIFIKATIONER

### POWER OUTPUT

75 watts per channel continuous from 20Hz to 20kHz.  
1kHz total harmonic distortion typically 0.6% at 75 watts, below 0.05% at 1 watt.  
Approximate actual power available at 'clipping' 76 watts (1kHz).  
(Note that actual power output is dependent upon both line voltage and 'condition' i. e.: if power line has high distortion, maximum power will be affected adversely, although from a listening standpoint this is not very critical.)

### FREQUENCY RESPONSE

(-3dB points at 1 watt) 0.7Hz to 75 kHz.

### INPUT SENSITIVITY

1.4V RMS BAL for rated output. (25 dB Bal gain into 8 ohms.)

### INPUT IMPEDANCE

300K ohms Balanced.

### OUTPUT TAPS

8 ohms, 4 ohms.

### OUTPUT REGULATION

Approximately 1.0dB 8 ohm load to open circuit (Damping factor approximately 8)

### POWER SUPPLY ENERGY STORAGE

Approximately 520 joules.

### TUBES REQUIRED

2 – Matched pair KT150 – Power Output; 2 – 6H30 Driver.

### DIMENSIONS

19" (48.3 cm) W x 8.75" (22.2 cm) H x 19.5" (49.5 cm) D. Handles extend 1.5" (3.8 cm) from front.

### WEIGHT

47 lbs. (21.3 kg) Net; 63 lbs. (28.6 kg) Shipping.

## REF150SE



Pris: 180 000kr

## TEKNISKA SPECIFIKATIONER

### POWER OUTPUT

150 watts per channel continuous from 20Hz to 20kHz.  
1kHz total harmonic distortion typically 0.6% at 150 watts, below 0.03% at 1 watt.  
Approximate actual power available at 'clipping' 160 watts (1kHz).  
(Note that actual power output is dependent upon both line voltage and 'condition'  
i. e. if power line has high distortion, maximum power will be affected adversely,  
ii. although from a listening standpoint this is not very critical.)

### POWER BANDWIDTH

(-3dB points) 5Hz to 80kHz.

### FREQUENCY RESPONSE

(-3dB points at 1 watt) 0.5Hz to 120 kHz.

### INPUT SENSITIVITY

2.0V RMS BAL for rated output. (24 dB Bal gain into 8 ohms.)

### INPUT IMPEDANCE

300K ohms Balanced.

### OUTPUT TAPS

16 ohms, 8 ohms, 4 ohms.

### OUTPUT REGULATION

Approximately 0.6dB 16 ohm load to open circuit (Damping factor approximately 14).

### TUBES REQUIRED

2 – Matched quad KT150 – Power Output; 4 – 6H30 Driver.

### DIMENSIONS

19"(48.3cm) W x 8 3/4" (22.2cm) H x 19 1/2" (49.5cm) D. Handle extend 11/2" (3.8cm) forward.

### WEIGHT

75lbs. (34.2kg) Net; 90lbs. (41kg) Shipping.

## REF250SE



Pris: 200 000kr

## TEKNISKA SPECIFIKATIONER

### POWER OUTPUT

250 watts per channel continuous from 20Hz to 20kHz.  
1kHz total harmonic distortion typically 0.5% at 250 watts, below .04% at 1 watt.  
Approximate actual power available at "clipping" 270 watts (1kHz).  
(Note that actual power output is dependent upon both line voltage and "condition" i.e. if power line has high distortion, maximum power will be affected adversely, although from a listening standpoint this is not very critical.)

### POWER BANDWIDTH

(-3dB points) 5Hz to 70kHz.

### FREQUENCY RESPONSE

(-3dB points at 1 watt) 0.5Hz to 110 kHz.

### INPUT SENSITIVITY

2.4V RMS Balanced for rated output. (25.5 dB gain into 8 ohms.)

### INPUT IMPEDANCE

200K ohms Balanced.

### OUTPUT TAPS

4, 8, 16 ohms.

### OUTPUT REGULATION

Approximately 0.9dB 16 ohm load to open circuit (Damping factor approximately 10).

### TUBES REQUIRED

3 Matched pair KT150 (Power output V1-6); 1 Matched pair KT150 (Driver V8-9); 2 6H30

### DIMENSIONS

19" (48.3 cm) W x 8.75" (22.2 cm) H x 19.5" (49.5 cm) D. Handles extend 1.5" (3.8 cm) fo

### WEIGHT

73lb or 33,2kg Net; 88 lbs. (40 kg) Shipping.

## REF750SE



Pris: 400 000kr

### TEKNISKA SPECIFIKATIONER

#### POWER OUTPUT

750 watts per channel continuous from 20Hz to 20kHz.  
1kHz total harmonic distortion typically 0.5% at 750 watts, below .04% at 1 watt.  
Approximate actual power available at "clipping" 850 watts (1kHz).  
(Note that actual power output is dependent upon both line voltage and "condition" i.e. if power line has high distortion, maximum power will be affected adversely, although from a listening standpoint this is not very critical.)

#### POWER BANDWIDTH

(-3dB points) 15Hz to 150kHz.

#### FREQUENCY RESPONSE

(-3dB points at 1 watt) 1 Hz to 200 kHz.

#### INPUT SENSITIVITY

4.6V RMS Balanced for rated output. (24 dB gain into 8 ohms.)

#### INPUT IMPEDANCE

200K ohms Balanced.

#### OUTPUT TAPS

4, 8, 16 ohms.

#### TUBES REQUIRED

8 Matched pair KT150 Power Output; 1 6550WE Regulator; 1 6H30 Regulator Amplifier; 1 matched pair KT150 Driver; 1 6H30 follower.

#### DIMENSIONS

13.5" (34.3 cm) W x 23" (58.4 cm) H x 20.8" (52.8 cm) D. Handles extend 1.5" (3.8 cm) forward and rearward.

#### WEIGHT

170 lbs. (77.2 kg) Net; 395 lbs. (180 kg) per pair shipped weight.

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SOURCE - ANALOG



## PH9

## TEKNISKA SPECIFIKATIONER



Pris: 90 000kr

### Frequency Response:

$\pm 2$  dB of RIAA, 10 Hz to 60kHz; 3 dB points below 0.3Hz and above 300 kHz.

### Distortion:

Less than .002% at 1.0V RMS 1kHz output.

### Gain:

Selectable 51 dB (Low) and 73 dB (High) at 1kHz BAL; 45 dB (Low) and 67 dB (High) at 1kHz SE. (MC and MM compatible).

### Input Impedance:

47k Ohms and 100 pF SE. Selectable loads: 1000, 500, 200, 100, 50 Ohms, and Custom.

### Output Impedance:

400 ohms Balanced, 200 ohms SE. Recommended load 50k-100k Ohms and 100 pF. (10k Ohms minimum and 2000 pF maximum).

### Phono Equalization:

(selectable) RIAA, Columbia, and Decca.

### Tube Complement:

(6)-6H30P dual triodes, plus (1 each) 6550WE and 6H30P in power supply.

### Dimensions:

Width 19" (48 cm)

Height 7.8" (19.8 cm)

Depth 16.5" (41.9 cm)

Handles extend 1.6" (4 cm) forward of the front panel.

### Weight:

36.5 lbs. (16.6 kg) Net; 53 lbs. (24 kg) Shipping.

## Reference Phono 3



Pris: 165 000kr

### TEKNISKA SPECIFIKATIONER

**Frequency Response:**

$\pm 2$  dB of RIAA, 10 Hz to 60kHz; 3 dB points below 0.3Hz and above 300 kHz.

**Distortion:**

Less than .002% at 1.0V RMS 1kHz output.

**Gain:**

Selectable 51 dB (Low) and 73 dB (High) at 1kHz BAL; 45 dB (Low) and 67 dB (High) at 1kHz SE. (MC and MM compatible).

**Input Impedance:**

47k Ohms and 100 pF SE. Selectable loads: 1000, 500, 200, 100, 50 Ohms, and Custom.

**Output Impedance:**

400 ohms Balanced, 200 ohms SE. Recommended load 50k-100k Ohms and 100 pF. (10k Ohms minimum and 2000 pF maximum).

**Phono Equalization:**

(selectable) RIAA, Columbia, and Decca.

**Tube Complement:**

(6)-6H30P dual triodes, plus (1 each) 6550WE and 6H30P in power supply.

**Dimensions:**

Width 19" (48 cm)

Height 7.8" (19.8 cm)

Depth 16.5" (41.9 cm)

Handles extend 1.6" (4 cm) forward of the front panel.

**Weight:**

36.5 lbs. (16.6 kg) Net; 53 lbs. (24 kg) Shipping.

## Reference Phono 10



Pris: 350 000kr

### TEKNISKA SPECIFIKATIONER

#### FREQUENCY RESPONSE

$\pm .2$ dB of RIAA, 10Hz to 60kHz; 3dB points below 0.3Hz and above 300kHz.

#### DISTORTION

Less than .002% at 1.0V RMS 1kHz output.

#### GAIN

Selectable 51dB (Low), 74dB (High) at 1kHz BAL; 45dB (Low), 68dB (High) at 1kHz SE. (MC & MM compatible).

#### BUTTONS

Front (2) Power, Mute.

#### INPUT IMPEDANCE

47K ohms and 100pF SE. Selectable loads 1000, 500, 200, 100, 50 ohms and Custom.

#### PHONO EQUALIZATION

(Selectable) RIAA, Columbia, Decca.

OUTPUT POLARITY Non inverting.

#### OUTPUT IMPEDANCE

200 ohms SE, 400 ohms balanced. Recommended load 50K-100K ohms and 100pF. (10K ohms minimum and 2000pF maximum).

#### MAXIMUM INPUT

250mV RMS at 1kHz (680 mV RMS at 10kHz).

valent input noise, IHF weighted, shorted (Low Gain) input (73 dB below 1mV 1kHz input).

#### TUBE COMPLEMENT

(8)-6H30P dual triodes, plus (2 each) 6550C and 6H30P in power supply.

#### DIMENSIONS

Width 19" (48 cm); Height 7" (17.8 cm) (standard rack panel).

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SOURCE - DIGITAL



## DAC9



Pris: 90 000kr

## TEKNISKA SPECIFIKATIONER

### FREQUENCY RESPONSE

+/-0.15dB 20Hz – 20kHz; +/-3.0dB 6Hz – 192kHz.

### THD+NOISE

Less than .002% at 2V RMS 1kHz Balanced output.

### CHANNEL SEPARATION

107dB.

### INTRINSIC JITTER

<10pS.

### DAC RESOLUTION

24 bits.

### OUTPUT IMPEDANCE

500 Ohms balanced, 250 Ohms SE.

### UPSAMPLING

All Inputs upsample to 384kHz.

### INPUTS

USB2.0HS 44.1 to 384kHz, DSD, 2xDSD; RCA, BNC, XLR 44.1 to 192kHz;  
TOS 44.1 to 96kHz.

### RATED OUTPUTS

3.8V RMS Max Balanced; 1.9V max SE (@ 0dB input).

### POWER SUPPLIES

Electronically-regulated low and high voltage supplies. Line regulation better than .01%.

### NOISE

-103dB

### TUBE COMPLEMENT

(2) 6H30 dual triodes.

## Reference DAC



Pris: 190 000kr

## TEKNISKA SPECIFIKATIONER

### FREQUENCY RESPONSE

Analog tube amplifier +0-3dB, 0.5Hz to 200kHz at rated output.  
0.15dB 20Hz to 20kHz. (Balanced, 200k ohms load).  
Digital Bandwidth Anti-aliasing filter @ Sample rate  
44.1kHz = 22kHz, 48kHz = 24kHz, 88.2kHz = 44kHz,  
96kHz = 48kHz, 176.4kHz = 88.2kHz, 192kHz = 96kHz.

### DISTORTION

THD+N Less than .006% at 2V RMS BAL output.

### SIGNAL-NOISE-RATIO

106dB

### INPUT IMPEDANCE

Digital 75 ohms BNC, RCA, 110 ohms AES/EBU, OPT 660nm TOSLink fiber 44.1 to 96kHz

### OUTPUT IMPEDANCE

600 ohms Balanced, 300 ohms SE Main (2), 20K ohms minimum load and  
2000pF maximum capacitance.

### DIGITAL SAMPLE RATES

44.1kHz to 192kHz, SPDIF, USB 2.0 HS and Wired Ethernet. 96kHz max over  
Wireless Ethernet.

### NOISE

-101dBV RMS 20-20kHz A-weighted (Volume at 1)

### TUBE COMPLEMENT

(4)-6H30 dual triodes, plus (1)-6550C and (1)-6H30 in power supply.

### DIMENSIONS

19" (48 cm) W x 7" (17.8 cm) H (standard rack panel) x 15.5" (39.4 cm) D. Handles extend

### WEIGHT

32.0 lbs. (14.6 kg) Net; 43.2 lbs. (19.8 kg) Shipping.

## CD6

## TEKNISKA SPECIFIKATIONER

### FREQUENCY RESPONSE

+0-3dB, 3Hz to 96kHz at rated output. 0.15dB 20Hz to 20kHz.  
(Balanced, 200k ohms load)@ 192kHz sample rate.

### DISTORTION

THD+N Less than .004% at 2V RMS BAL output

### INPUT IMPEDANCE

Digital: 75 ohms RCA, 110 ohms AES/EBU, OPT 660nm TOSLink fiber 44.1 to 96kHz.

### OUTPUT IMPEDANCE

500 ohms Balanced, 250 ohms SE Main (2), 20K ohms minimum load and 2000pF maximum capacitance.

### DIGITAL SAMPLE RATES

24 bits @ 44.1kHz to 192kHz, SPDIF, AES/EBU and USB 2.0 HS.

### UPSAMPLING

Select upsampling or Native mode; CD, RCA, AES/EBU, TOS upsample to 176.4 or 192kHz. USB upsamples to 88.2 or 96kHz.

### DRIVE MECHANISM (TOP LOAD)

Wow & Flutter; Un-measurable (Quartz stability); Discs; Accepts 5" (12cm) and 3" (8cm) sizes.

### OPTICAL PICKUP

Type; 3-beam LDGU (Laser Diode & Grating Unit), with holographic diffraction light pen, Laser; GaAlAs semiconductor, 780nm, 0.5mW max. output, Servo; Digitally-controlled low inertia linear positioning actuator.

### DIMENSIONS

Width: 19" (48 cm)  
Height: 5.25" (13.4 cm) (standard rack panel)  
Depth: 12.25" (31.1 cm)  
Handles extend 1.50" (3.8 cm) forward of the front panel.



Pris: 110 000kr

## Reference CD9



Pris: 150 000kr

## TEKNISKA SPECIFIKATIONER

### FREQUENCY RESPONSE

+0-3dB, 3Hz to 96kHz at rated output. 0.15dB 20Hz to 20kHz.  
(Balanced, 200k ohms load)@ 192kHz sample rate.

### DISTORTION

THD+N Less than .003% at 2V RMS BAL output.

### SIGNAL-NOISE-RATIO

110dB

### DIGITAL SAMPLE RATES

24 bits @ 44.1kHz to 192kHz, SPDIF, AES/EBU and USB 2.0 HS.

### UPSAMPLING

Select upsampling or Native mode; CD, RCA, AES/EBU, TOS upsample to 176.4 or 192kHz.

### OUTPUTS DIGITAL

XLR Balanced AES/EBU 110-ohms 4V P-P, BNC coax SPDIF 75-ohms 0.7V P-P.

### OPTICAL PICKUP

Type; 3-beam LDGU (Laser Diode & Grating Unit), with holographic diffraction light pen, Laser; GaAlAs semiconductor, 780nm, 0.5mW max. output, Servo; Digitally-controlled low inertia linear positioning actuator.

### JITTER REDUCTION

High-stability crystal-controlled re-clocking for all outputs.

### DISPLAY

Six-digit vacuum fluorescent with optical filter; LED display;  
CD, AES, USB, RCA, TOS, Fast, Slow, Upsample, Power, 44.1, 48, 88.2, 96, 176.4, 192kHz.

### TUBE COMPLEMENT

(4) 6H30 dual triodes, plus (1) 6550WE & 6H30 in power supply.

### DIMENSIONS

Width 19" (48 cm); Height 5.25" (13.4 cm) (standard rack panel); Depth 15.375" (39 cm);

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