

The all new VAC Phi 170 iQ




* US Patent 8,749,310. International patents pending.

At first glance the new VAC Phi 170 may seem like a normal 85 watt/channel stereo amplifier. Sure, it can be switched into a 170 watt monoblock, and it has a fully balanced input mode, but the real breakthrough is inside, for the Phi 170 is equipped with VAC's revolutionary patented * iQ Continuous Automatic Bias System.

The VAC iQ is the only system able to hold each output tube's true underlying idle current perfectly steady at all times. Say goodbye manual adjustment, bias drift, thermal tracking effects, runaway tubes, and blown fuses. Say hello to more detail, increased extension and punch, lower noise, less distortion, and high reliability. It will even tell you when it's time to replace weak tubes.

The Phi 170 with iQ System. Superior sound. Only from VAC.



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VAC PHI 170 SPECIFICATIONS

TYPE

Vacuum tube power amplifier with transformer coupled output

FEATURES

VAC iQ Continuous Automatic Bias System™

Class A₁ triode input & driver stages

Direct coupled input & driver stages

Low feedback design (6 dB)

12 volt trigger

Detachable power cord, IEC receptacle

SWITCH SETTINGS

Fully balanced or single-ended input

Stereo or mono operation

POWER OUTPUT

85 watts/channel stereo continuous

170 watts mono continuous

SPEAKER MATCHING TAPS

1-2 ohms, 2-4 ohms, 4-8 ohms

FREQUENCY RESPONSE

4 Hz to 71 kHz, +0/-3 dB

FULL POWER BANDWIDTH

15 Hz to 63 kHz, +0/-3 dB

RESIDUAL NOISE

Typically > 95 dB below rated output

INPUT IMPEDANCE

200k Ohms, Stereo, Balanced

100k Ohms, Stereo, Single Ended

100k Ohms, mono, Balanced

50k Ohms, mono, Single Ended

GAIN

30 dB, Stereo, Balanced

33 dB, Stereo, Single Ended

31 dB, Mono, Balanced

34 dB, Mono, Single Ended

OUTPUT POLARITY

Non-inverting.

Balanced input is Pin 2 positive.

TUBE COMPLEMENT

4 x type 6SN7

4 x type KT88

Compatible with KT120

Compatible with KT150

OPERATING VOLTAGES

Available factory set for 100, 120, 220, or 230/240 volt operation

CONNECTORS

Cardas rhodium RCA jacks

Neutrik XLR jacks

Cardas rhodium binding posts

DIMENSIONS

17.8" W x 14.2" D x 8.5" H

452 mm x 361 mm x 216 mm

Excluding connectors

WEIGHT

68 lbs.

31 kg

ORIGIN

Designed & manufactured exclusively in the United States of America by VAC



Valve Amplification Company

1911 N. East Avenue, Sarasota, FL 34234 USA

Tel. 941-952-9695 | Fax 941-952-9691 | vac-amps.com

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