

Black Magic 20

STEREO VACUUM TUBE AMPLIFIER
VTA20S



Number of Line Inputs	1
Input Impedance	100K Ohms
Input Stage	12AX7B current sourced low noise valve
Automatic DC Restoration	Yes
Nominal Voltage Gain	26dB (into 8 ohms)
Output Stage Configuration	1 complementary set of EL84M's per channel
Regulated Screen Supply Voltage	340V
Output Tube Plate Voltage	408V
Output Tube Idle Power	10.6W
Rated Power	20 watts per channel in stereo or 40 watts in mono
Noise	Better than 100dB A weighted referenced into 20 watts
Hum	-100dB
Frequency Response	8 Hz to 40 kHz (-3dB)
Full Power Bandwidth	26 Hz to 43 kHz without filters
Distortion	Less than 0.5%
Output Transformer	Interleaved windings, super wideband low leakage inductance design
Generator Source Impedance	1.5 ohms
Speaker Output	4-16 ohms each channel
Construction Method	Point-to-point hand wired axial and radial leaded components with star grounds and no circuit board traces or de-plugable connectors
Components	High reliability wire wound and metal film resistors, metal polyester capacitors in the audio signal paths
Dimensions/Weight	13" wide x 9" deep x 7" high, 19 lbs
Color	Black with silver fleck and brushed silver trim
Country of Origin	USA
Warranty	Amps 7 Years, Tubes 1 Year