



F-03A
CLASS A INTEGRATED AMPLIFIER



F-05
INTEGRATED AMPLIFIER

PURE ANALOGUE AMPLIFICATION

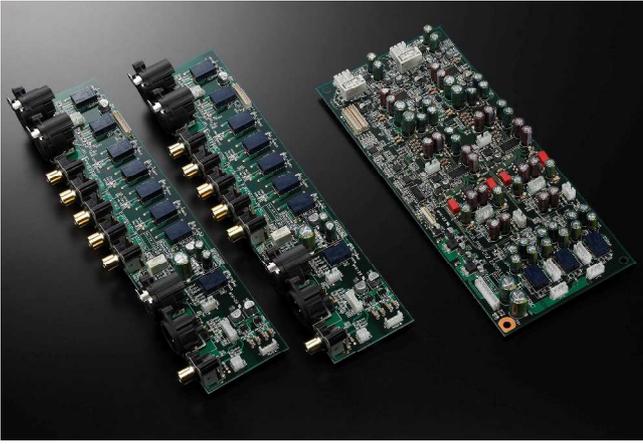
The F series is a new generation of integrated amplifier line, built on the technological enhancements of our flagship 'Grandioso' line - a series that has the most advanced, pure analogue amplification technology available today.

FULLY INTEGRATED, FUNDAMENTAL AND FUNCTIONAL

As a series of fully-integrated amplifier, new F series were designed to focus on amplifier's fundamental elements, bringing the most out of the basic integrated amplifier format. From its fully-balanced buffered preamp, powerful dual mono amplifier modules, extremely substantial power supply, to its fully dual-monaural signal path – every single aspect of the design is purely essential to reproduce uncompromising sound.

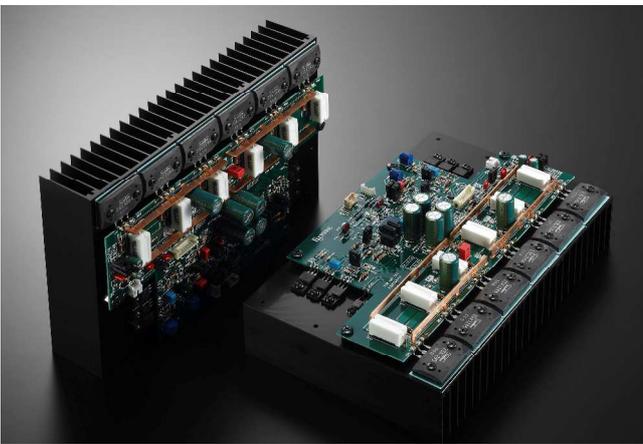
F series were also designed to have various functions to provide owners to fine-tune the system easily or provide capability of further upgrading the system by adding external devices such as DAC board OP-DAC1 (DSD11.2MHz), C series preamps or S series power amplifiers.

PREAMP MODULE



- Technological enhancements were distilled from Grandioso C1 preamp
- Fully-balanced, dual-monaural preamp with buffered output
- QVCS volume control (x4 precision switched resistor ladder networks)
- Dual-mono on-board phonostage / dedicated power supply
- Ultra-low noise logic control circuit, isolated from preamp module
- Knobs with ball-bearing spindle – solid and precise operational feel
- High power headphone amplifier fully drives any types of headphones
- 3 band tone controls (treble / middle / bass) and a bypass switch
- Each band of the tone controls has x4 circuits (fully-balanced, dual-monaural configuration)
- Treble:14kHz / middle: 630Hz / bass: 63Hz, +/-12dB (0.5dB step)

POWER AMPLIFIER MODULE



- Grandioso technologies were applied to all circuits and component selection
- F-03A: Class A, 30 Watt (8 ohms) , 60 Watt (4 ohms)
- F-05: 120 Watt (8 ohms), 240 Watt (4 ohms)
- Balanced input stage
- 940VA EI core power supply with dual-mono regulators (40,000 μ F x 2)
- Extremely powerful 34 Ampere (peak) / 17 Ampere (continuous) Bipolar LAPT transistors
- Simple and clean, triple stage Darlington drive stage (3-parallel push-pull)
- LIDSC (Low Impedance Drive Stage Coupling) circuit delivers maximum amplitude within power supply voltage, and very low distortion
- Minimum amount of NFB delivers natural, dynamic sound

OTHER FEATURES

- Extra-solid, substantial chassis construction (total weight: 32kg)
- F-03A: spike-cup-integral feet (Patent: 4075477 JP)
- F-05: Solid machined-steel feet
- XLR/RCA output (preamp out or recording out is selectable)
- External preamp input (XLR)
- Integrated mode / preamp mode / power amp mode is selectable
- Option board slot x1
- OP-DAC1 D/A converter board (option)
(3 digital inputs incl. USB - DSD11.2MHz, PCM 384kHz/32bit)
- Organic EL display (large font / small font setting is selectable)
- x2 speaker output terminals (A, B, or A+B)
- Input gain trim (+/- 18dB, 0.5dB step)
- L/R level balance
- Phase invert function can be set for each input device
- AV-through output (volume bypass) function
- Aluminum remote controller w/ SACD player controller keys
- Input device names are programmable using remote controller
- Mute / dimmer / display auto off functions
- External dimensions: 445x191x468mm / Weight : 32kg

