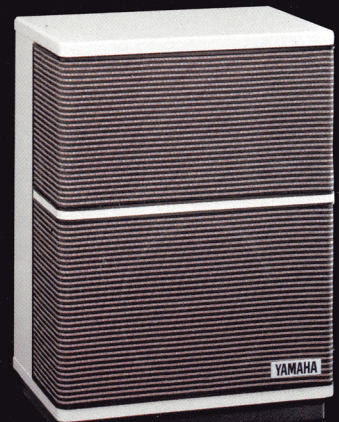


# FX-3

ELECTONE



# YAMAHA



# SPECIFICATIONS

# FX-3

## KEYBOARDS

Upper: 49 Keys (C<sub>2</sub> - C<sub>6</sub>)  
 Lower: 49 Keys (C<sub>1</sub> - C<sub>5</sub>)  
 Pedal: 13 Keys (C<sub>0</sub> - C<sub>1</sub>)  
 Solo: 37 Keys (C<sub>3</sub> - C<sub>6</sub>)

## VOICE SECTIONS

### Upper Keyboard

#### Combination Section

Combination Lever, Memory 1, 2, 3,  
 Preset 1, 2, 3, 4, Volume

#### Orchestra Section

Strings 1, 2, 3, Brass 1, 2, Reed 1, 2, Vocal,  
 Spice 1, 2, Preset Vibrato, Touch Tone,  
 Volume

#### Special Preset Section

Piano, Harpsichord, Celesta, Vibraphone,  
 Marimba, Mandolin, Banjo, Jazz Guitar,  
 Brass 1, 2, Cosmic, Touch Tone,  
 Volume

### Upper/Lower Keyboard

#### Custom Voice Section

Flute, Oboe, Clarinet, Saxophone,  
 Trumpet, Trombone, Violin, Jazz Guitar,  
 Cosmic 1, 2, 3, Preset Vibrato, Touch  
 Vibrato, Touch Tone, Volume

### Lower Keyboard

#### Combination Section

Combination Lever, Memory 1, 2, 3,  
 Preset 1, 2, 3, 4, Volume

#### Orchestra Section

Strings 1, 2, Brass 1, 2, Reed, Vocal 1, 2,  
 Spice, Preset Vibrato, Touch Tone, Volume

#### Special Preset Section

Piano, Electric Piano, Harpsichord, Harp,  
 Acoustic Guitar, Jazz Guitar, Brass 1, 2,  
 Cosmic, Touch Tone, Volume

### Pedal Keyboard

#### Combination Section

Combination Lever, Memory, Preset 1, 2,  
 Volume

#### Custom Voice Section

Contra Bass 1, 2, 3, Tuba, Electric Bass 1,  
 2, 3, Cosmic, Brilliance, Volume

## ENSEMBLE SECTION

Upper Combination, Upper Orchestra,  
 Upper Special, Upper Custom, Lower  
 Combination, Lower Orchestra, Lower  
 Special, Lower Custom

## SOLO KEYBOARD SECTION

### Tone Selectors

Piccolo, Flute, Oboe, Clarinet, Saxophone,  
 Trumpet 1, 2, Horn, Trombone, Violin,  
 Jazz Guitar, Harmonica, Cosmic 1, 2

### Other Selectors

Transposition (Down, Normal, Up), Preset  
 Vibrato, Touch Vibrato, Touch Tone,  
 Coupler (Solo To Upper)

### Controls

Slide, Detune, Brilliance, Volume

## PRESET PANEL

### Vibrato

Indicators: Solo, Upper Orchestra, Upper/  
 Lower Custom, Lower Orchestra, Pedals  
 Controls: Touch Depth, Delay, Depth,  
 Speed  
 Selectors: Set, Lever, Player, Preset

### Tone Levers (Combination Section)

Upper Flute: 16', 8', 5-1/3', 4', 2-2/3', 2', 1'  
 Upper Attack: 4', 2-2/3', 2', Length  
 Lower Flute: 8', 4', 2-2/3', 2'  
 Bass: 16', 8'  
 Selectors: Program Set, Flute Response  
 (Fast), Timbre Variation  
 Rhythm Sequence Programmer: On,  
 Record, Blank, End, Back, Forward

## EFFECTS

Reverb, Sustain (Upper, Lower, Pedal;  
 U & L Knee Lever Control), Glide,

Symphonic Chorus & Celeste (Upper  
 Combination, Upper Orchestra, Lower  
 Combination, Lower Orchestra), Tremolo  
 & Chorus (Upper Combination, Upper  
 Orchestra, Lower Combination, Lower  
 Orchestra), Tremolo Speed

## AUTO RHYTHM SECTION

Rhythm Selectors: March, Waltz, Ballad,  
 Swing, Bounce, Slow Rock, 8 Beat 1, 2,  
 Tango, Latin 1, 2, Bossanova, Samba,  
 Latin Rock, Disco, 16 Beat, Variation 1,  
 2, 3, 4  
 Auto Variation Selectors: Normal, 4 Bar,  
 8 Bar, 16 Bar  
 Break Variation Selectors (Controllable  
 With Foot Switch): On, 1, 2, 3  
 Rhythm Sequence Programmer: Program  
 1, 2, 3, 4 (Other Controls On Preset Panel)  
 Others: Start, Synchro Start, Tempo,  
 Volume, Balance, Digital Display  
 (Tempo/Bar • Beat), Tempo Light

## AUTO BASS CHORD SECTION

Normal, Single Finger Chord, Fingered  
 Chord, Custom, Lower Memory, Pedal  
 Memory, Multi-Bass Normal 1, 2, 3

## RHYTHMIC CHORD SECTION

Section 1: Piano, Jazz Guitar, Solid Guitar,  
 Phaser, Volume  
 Section 2: Brass, Jazz Guitar, Solid  
 Guitar, Phaser, Volume

## AUTO ARPEGGIO SECTION

Patterns 1, 2, 3, 4, 5, 6, 7, 8, Piano,  
 Harpsichord, Strings, Harp, Volume

## PLAY ASSIST SECTION

(Controllable With Knee Lever) Upper  
 Combination, Upper Orchestra, Upper  
 Special, Melody-on-Chord 1, Melody-on-  
 Chord 2, Duet, Counter Melody, Key Set

## REGISTRATION MEMORY SECTION

Memory, Cancel, Memory Selectors 1, 2,  
 3, 4, 5, 6, 7, 8, Disable, Reset, Slider Drive

## REGISTRATION PACK SECTION

Selectors: Read, Confirm, Write  
 Indicators: Memory Ready, Error

## OTHER CONTROLS

Master Volume, Power Switch, Manual  
 Balance, Foot Switch Selectors (Glide,  
 Rhythm Stop, Break Variation), Expression  
 Pedal, Panel Light, Knee Lever, Pitch

## OTHER FITTINGS

Headphone Jack (Stereo), AUX OUT  
 (Left/Right) Jacks, AUX IN (Left/Right)  
 Jacks, EXP. IN Jack, Tone Cabinet  
 Sockets (Yamaha, Leslie), Music  
 Rest, Matching Bench, Registration Pack

## MICROPHONE JACK

For microphone connections. High  
 impedance, unbalanced line.

## MICROPHONE VOLUME

This knob is used to control the volume  
 of a microphone. The volume goes up  
 when you turn the knob to the right.

## [MUSIC REST]

The Music Rest for the FX-3 is stored  
 inside the bench.

## DIMENSIONS

Main unit: 126(W) x 74(D) x 103(H) cm  
 (49-1/2" x 29" x 40-1/2")  
 Bench: 84(W) x 32(D) x 56(H) cm  
 (30" x 12-1/2" x 22")

## WEIGHT

Main unit: 113 kg (249 lbs.)  
 Bench: 18.5 kg (41 lbs.)

## EXTERIOR FINISH

Ivory Enamel

\*Specifications subject to change without notice.

## TONE CABINET SPECIFICATIONS TM-1

Three discrete channels of amplification are provided. The channels are: Left, center and right. The left and right channels are designed to reproduce the mid and high frequency ranges, while the center channel reproduces high, mid and low frequencies. The center channel incorporates a three way crossover network with the woofer (low frequency speaker) being mounted in a sealed enclosure for improved bass response. The left and right channel speakers are mounted on angled baffles (30°) to provide optimum dispersion of sound. The TM-1 tone cabinet does not include either electronic or mechanical sound animation systems.

Amplifier power output (RMS)	Left	Center	Right
	60W	90W	60W
Speakers: Total 7	1	1	1
Tweeter (horn type)	5 cm (2")	5 cm (2")	5 cm (2")
Mid Range (cone type)	1 20 cm (8")	1 20 cm (8")	1 20 cm (8")
Woofer (cone type)	—	1 36 cm (14")	—

Input: Via 13 pin plug and cable assembly attached to the TM-1

Output Socket: 13 pin socket provided for connecting an additional TM-1 tone cabinet

Additional Controls etc.: Volume control (controls TM-1 only)

Power switch for Remote/on Pilot lamp

Dimensions	Width	Height	Depth
	644 mm 25 3/4"	456 mm 18 1/4"	895 mm 35 1/2"
Weight: 75 kg (165 1/2 lbs.)	Power Consumption: 250W (USA)		Finish: Ivory Enamel



## "LIVING" SOUND

Yamaha's all new FAM System, which stands for Frequency Modulation and Advanced Memory, is a sophisticated integration of state-of-the-art technologies, which makes Yamaha organs phenomenal performers in every respect. But, as with any musical instrument, the single most important element is tone quality. And here superlatives pale beside the unprecedented thrill you will experience when playing or hearing a live performance of the magnificent FX-3 Electone.

Authorized Yamaha Electone Retailer

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 ORGAN IN THE WORLD TODAY**

SINCE 1887



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