

The birth of the "New B-3"



HAMMOND ORGAN

HAMMOND

THE BIRTH

Since 1934

Since 1934, Hammond Organ has been a standard of organ!

HAMMOND CREATES ORGAN HISTORY

In 1975, the last of the tone-wheel B-3's were manufactured and an era came to an end. Even so, the B-3 has maintained its identity as the standard for organ sound in Popular, Jazz and Gospel musical arenas.

Now, after nearly 30 years, comes the start of a new era with the New B-3. Every single playing aspect of the original B-3 has been carefully and meticulously recreated. The look, the feel, the sound...it's all here to a degree never before imagined.

Digital Tone Wheel™ Sound Engine

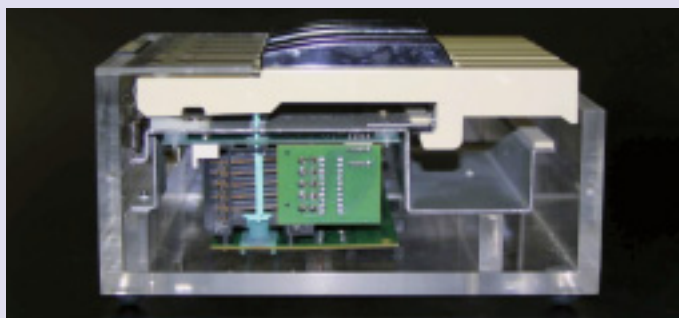
The New B-3 utilizes a brand-new digital tone-generating system to faithfully replicate all the sound characteristics of the tone-wheel generator. Even the actual temperament of the scale is captured exactly - all of the intervals "beat" exactly as they do on a tone-wheel B-3. All 91 pitches are continuously generated and ready to sound at any time.

Playing Controls

All of the switches, tablets and other controls function exactly as on an original B-3. Four sets of Hammond Harmonic Drawbars™ plus two Pedal Drawbars. Tilting control tablets for Volume, Vibrato and Touch-Response Percussion™. Six-position Vibrato and Chorus knob. Latching Preset Keys. Even old-style "bat-handle" Power and Motor Control toggle switches. Everything, in short, to make the New B-3 and the old B-3 indistinguishable in sound and performance.

Direct Analog Keying™

A crucial aspect of the performance of the B-3 is the key contact system. When a key is depressed, it closes nine small electrical switch contacts. Each contact causes one of the Drawbar pitches to sound. For the New B-3, Hammond has created a brand-new,



patented key switch assembly called Direct Analog Keying™. Each playing key contains 9 contacts which "make" and "break" individually, allowing each Drawbar harmonic to sound separately. The "key click" therefore is produced exactly the same way as it is on a tone-wheel Hammond Organ - there is no need to sample a key click sound and add it in.

Leslie Ready

Any 11-pin Leslie can be used with the New B-3. Two Leslie connectors are provided to allow Main/Echo switching between two or more Leslies. For optimum performance, we recommend either the 122XB or the 771 model Leslie Speaker.

Best combination to New B-3

LESLIE 122XB & 771



S P E C I F I C A T I O N

Jack	11-pin interface
Speaker	Horn Rotor w/Treble Driver, Bass Rotor w/15" (38cm) Bass Speaker
Control	Speed Control : Fast/Slow/Off
Output	122XB : 40W Tube Amplifier. 771 : 150W Solid State Amplification
Dimensions	41 5/8"H x 29 1/4"W x 20 5/8"D (72 x 40 x 102cm)
Weight	149 lbs. (70 kgs)

OF THE "New B-3"



Responding to requests over the last 30 years, many artists feel that the original B-3 has been reborn in the "NEW B-3".



Since its introduction in 1955, the Hammond B-3 has become the essential performance tool for the world's great keyboard players. The instantly recognizable B-3 sound is essential in the world of popular music, while no concert stage would seem complete without a B-3's imposing wooden cabinet.

Now, for the first time, Hammond has exactly replicated the original B-3 design specification with the introduction of the New B-3.

The unique B-3 sound is reproduced by a revolutionary new sound generator system which recreates all of the idiosyncrasies of the tone-wheel generator.

Two 61 note manuals with deluxe square-front keys allow for the essential performance characteristics of

the Hammond masters. Four complete sets of Harmonic Drawbars and latching programmable Preset Keys allow total ease of set up.

The Drawbar Foldback feature subtly affects the overall sound, while the all-new Direct Analog Keying mechanism creates the famous "Key Click," an essential component of the B-3 character. Sound dynamics are controlled by an exact copy of the original B-3 expression curve incorporated in the new instrument's Expression Pedal.

Only Hammond has the qualifications and knowledge to accurately reproduce the look, sound and feel of the legendary B-3. Now the B-3 is reborn.



New C-3



New B-3

The
birth
of
the

"New B-3"

S P E C I F I C A T I O N

MODEL	NEW B-3	NEW C-3	ORIGINAL B-3	ORIGINAL C-3
KEYBOARD	61-61-25		61-61-25	
PRESET KEY	12 keys Mechanical Latch		12 keys Mechanical Latch	
SWELL DRAWBARS	9 piches 2 sets		9 piches 2 sets	
GREAT DRAWBARS	9 piches 2 sets		9 piches 2 sets	
PEDAL DRAWBARS	2 piches		2 piches	
PRESET MEMORY	Compact Flash card		Change by Preset Panel	
KEY METHOD	Direct Analog Keying		Direct Analog Keying	
CONTACT	10-Mechanical contacts +Rubber contacts w/velocity		9-Mechanical contacts	
POLYPHONY	Full Polyphony		Full Polyphony	
GENERATOR (Manual)	96-Digital Tone Wheels		91-Tone Wheels	
GEN. WAVEFORM	Changeable by CFcard (Flash ROM)		Fixed	
GENERATOR (Pedal)	VASE II		Tone Wheels	
VIBRATO/CHORUS	V1, V2, V3, C1, C2, C3 SWELL ON, GREAT ON		V1, V2, V3, C1, C2, C3 SWELL ON, GREAT ON	
LESLIE	SLOW, STOP, FAST		SLOW, FAST	
CONTROL	OVERDRIVE, MASTER VOLUME REVERB, EXP. PEDAL WITH FOOT SWITCH, PEDAL SUSTAIN		EXP. PEDAL	
TONE CONTROL	BASS, TREBLE		TONE	
TERMINAL	LINE IN, LINE OUT 11P LESLIE SOCKETX2 (MAIN/ECHO) HEADPHONE MIDI OUT		PHONO INPUT 6P LESLIE SOCKET	
MEMORY SLOT	COMPACT FLASH CARD (ATTACHED)		-	-
DISPLAY	20x2 digits LCD		-	-
WEIGHT including pedalboard & bench	293 lbs. (132 kgs)	318 lbs. (143 kgs)	419 lbs. (190 kgs)	450 lbs. (202 kgs)
DIMENSION	same as original B3	same as original C3	123(w)X73(D)X97(H)cm [48"(w)X29"(D)X38"(H)]	124(w)X74(D)X98(H)cm [48"(w)X29"(D)X38"(H)]
OPTION	MAIN/ECHO SWITCH		-	-

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