

AR SERIES ORGAN
 UCC EARMARK FOR
 #11460 CHURCH OF THE HOLY CROSS, HILO, HAWAII
 SPECIFICATIONS FOR A SERIES 70-9B ORGAN

2/13
GENERAL

(1) ORGAN

Great Organ	Standard Design
Swell Organ	Standard Design
	Layout will be provided
Wood & Finish	Rift Sawn Oak unfinished
Action	Electro-Pneumatic
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard Design with roll top
Wood & Finish	Rift Sawn Oak - M-4150-2
Manuals	Two and Pedal
Manual Compass	CC to C4, 61 notes
Pedal Compass	CCC to G, 32 notes
Stop Controls	Tilting Tablets
Action	All Electric

(3) BLOWER (located under Great organ)

Type	Kinetic 2-P-2116 - 1/2 HP - 1750 RPM - ^{6"} outlet
Wind	480 c.f.m. @ 4"
Current Specifications	✓ 3 Ph - 60 Cy - 208 Volts - ³⁶ 2.1 Amperes
Overall Size	2' - 3-1/2" x 1' - 8" x 2' - 1-1/8" high

(4) POWER UNIT (located in console)

Rating	DC Output: 10-15 Volts, 30 Amperes
Current Specifications	AC Input: 1 Ph - 60 Cy - 120 Volts - 10 Amperes
Overall Size	1' - 2-1/2" long x 10-3/4" wide x 7" high

CONSOLE AND ORGAN

GREAT ORGAN (enclosed)

1	16	Bourdon-----	97 pipes
2	8	Principal -----	73 pipes
3	8	Gedeckt-----from #1-----	61 notes
4	8	Gemshorn -----from #13-----	61 notes
5	4	Octave -----from #2-----	61 notes
6	4	Gedeckt -----from #1-----	61 notes
7	2	Flute -----from #1-----	61 notes
8	II	Sesquialtera TC -----	98 pipes
9	III-IV	Mixture-----	183 pipes
10		Chimes ---{prepared for in console only}	
11		Tremolo	

SWELL ORGAN (Enclosed)

12	8	Rohrflote-----	73 pipes
13	8	Gemshorn -----	80 pipes
14	8	Gemshorn Celeste TC -----	49 pipes
15	4	Spitzprincipal-----	73 pipes
16	4	Rohrflote -----from #12-----	61 notes
17	2	Spitzoctave-----from #15-----	61 notes
18	1-1/3	Larigot -----from #13--(repeat 12 top notes)-----	61 notes
19	16	Contre Trompette -----	80 pipes
20	8	Trompette -----from #19 -----	61 notes
21	4	Clairon -----from #19--(repeat 5 top notes)-----	61 notes
22		Tremolo	

PEDAL ORGAN

23	16	Principal----	<i>12 pipes, 20 from #2</i> (prepared for in console only)	<i>32 note</i>
24	16	Bourdon -----from #1-----	32 notes	
25	8	Principal-----from #2-----	32 notes	
26	8	Gedeckt -----from #1-----	32 notes	
27	8	Gemshorn-----from #13-----	32 notes	
28	4	Octave -----from #2-----	32 notes	
29	4	Rohrflote -----from #12-----	32 notes	
30	III	Mixture-----from #9-----	32 notes	
31	16	Contre Trompette-----from #19-----	32 notes	
32	8	Trompette-----from #19-----	32 notes	
33	4	Clairon -----from #19-----	32 notes	

COUPLER

34 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4	Affecting Great
Pistons No. 1-2-3-4	Affecting Swell
Toe Levers No. 1-2-3-4	Affecting Pedal
Pistons No. 1-2-3-4	Affecting Full Organ
General Cancel	

PEDAL MOVEMENTS

Balanced Expression Pedal - Great Organ (8 contacts, make to close)
 Balanced Expression Pedal - Swell Organ (8 contacts, make to close)
 Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

Motor and power unit on-off switch (toggle type) with indicator light (amber jewel)
 and related wiring.
 Concave and radiating pedal keyboard
 Organ bench with music shelf
 Music rack
 Music rack light
 Pedal light

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
GREAT ORGAN							
Bourdon	16	97	CCC to BBB Reg. Manual Bourdon CC to BB Reg. Artiste Tapered Bass TC 68	21-1/2	2/9	Wood) Wood) 5 Zinc C.M.)	1-16 ^{3 1/4"} 4-1/2" 17 up 3-1/2"
Principal	8	73	CC 52 TC 60	18-1/2	1/4	19 Zinc S.M.)	1-12 ^{3 1/2"} 4-1/2" 13 up 3-1/2"
Mixture	III-IV	183	See Formula Below				3-1/2"
Sesquialtera	II TC	98	See Formula Below				3-1/2"
SWELL ORGAN							
Rohrflote	8	73	56	21-1/2	2/9	SM O.S. Chimneys #19-62 18 Zinc C.M.	3-1/2"
Gemshorn	8	80	CC 56 C 68-1/2 #56 98	19-1/2 19-1/2 17-1/2	2/9 2/9 1/6	17 Zinc S.M.	3-1/2"
Gemshorn Celeste	8 TC	49	56-1/2 @ 8'	CC 19-1/2	2/9	5 Zinc S.M.	3-1/2"
Spitzprincipal	4	73	60-2/3	18-1/2	1/4	7 Zinc C.M.	3-1/2"
Contre Trompette	16	80	3" CCC to FF half length FF# up full length			D(F) Eschallots Zinc & S.M.	3-1/2"

GREAT III-IV MIXTURE FORMULA

	15	12	12	12	12
	19	15	15	15	
	22	19	19		
		22			
	1-37	38-49	50-54	55-56	57-61
Unison	47 Sc.	17-1/2	1/4 mouth	S.M.	
Quint	49 Sc.	17-1/2	1/4 mouth	S.M.	

GREAT II SESQUIALTERA TC MIXTURE FORMULA

	12	10
	17	12
	13-56	57-61
2-2/3	74 Sc.@ 13	17-1/2 2/9 mouth S.M. (Pull in 6 scales between 50-61)
1-3/5	82 Sc.@ 13	17-1/2 1/5 mouth S.M. (Pull in 6 scales between 45-56, break at 57)

JDS/mr
1/14/80

Pedal Organ

Principal 16 12 36-52 18 1/2 1/4 zinc 3 1/2"