

AR SERIES ORGAN
FOR
11443 - HARRIS UNITED METHODIST CHURCH, HONOLULU, HAWAII
SPECIFICATIONS OF AN 11 RANK SERIES 70 ORGAN

2/16

GENERAL

(1) ORGAN

Main Organ
Antiphonal Organ

Wood & Finish
Action
Wind Pressure
Pitch

Exposed Great, Double-Decked
Exposed, provide enclosure
Layout will be provided
Birch - Paint to customer's sample
Electro-pneumatic
See Pipe Analysis
A-440 @ 70°F

(2) CONSOLE

Cabinet
Wood & Finish
Manuals
Manual Compass
Pedal Compass
Stop Controls
Action

Standard Design with roll top
Rift Sawn Oak - M-4150-2
Two and Pedal
CC to C4, 61 notes
COC to G, 32 notes
Stop Keys
All electric

(3) BLOWERS

Main (located in organ area)
Type
Wind
Current Specifications
Overall Size

Kinetic 2-P-2116 - 1/2 HP - 1750 RPM - 6" outlet
440 c.f.m. @ 3-1/2"
3 Phase - 60 Cycle - 208 Volts - 2.2 Amperes
2' - 5-3/4" x 1' - 10-3/8" x 2' - 6-1/4" high

Antiphonal (located in organ)
Type
Wind
Current Specification
Overall Size

Meidinger 1002 - .4 HP - 3360 RPM - 4" outlet
160 c.f.m. @ 3-1/2"
1 Ph - 60 Cy - 208 Volts - 2.6 Amperes

(4) POWER UNIT (located in console)

Rating
Current Specification
Overall Size

DC output 10-15 volts, 30 amperes
1 Ph - 60 Cy - 120 Volts - 10 Amperes
14-1/2" long x 10-3/4" wide x 7" high

CONSOLE AND ORGAN

GREAT ORGAN (Exposed)

1	16	Bourdon-----	92 pipes
2	8	Principal -----	80 pipes
3	8	Gedeckt -----from #1-----	61 notes
4	8	Gemshorn -----from #14-----	61 notes
5	4	Octave -----from #2-----	61 notes
6	4	Gedeckt -----from #1-----	61 notes
7	2	Super Octave -----from #2--(repeat 5 top notes)-----	61 notes
8	2	Flute-----from #1--(repeat 5 top notes)-----	61 notes
9	II-III	Mixture -----	126 pipes
10		Tremolo	
11		Blank (do not provide slide)	
12		Blank (do not provide slide)	

SWELL ORGAN (Enclosed)

13	8	Rohrflöte-----	73 pipes
14	8	Gemshorn -----	80 pipes
15	8	Gemshorn Celeste TC -----	49 pipes
16	4	Spitzprincipal-----	73 pipes
17	4	Rohrflöte -----from #13-----	61 notes
18	2	Spitzoctave -----from #16-----	61 notes
19	1-1/3	Larigot-----from #14--(repeat 12 top notes)-----	61 notes
20	16	Contre Trompette-----	80 pipes
21	8	Trompette -----from #20-----	61 notes
22	4	Clairon-----from #20--(repeat 5 top notes)-----	61 notes
23		Tremolo	
24		Blank (do not provide slide)	
25		Blank (do not provide slide)	

ANTIPHONAL ORGAN (Exposed)

26	8	Bourdon -----	61 pipes
27	4	Principal-----	61 pipes
28	III-IV	Mixture -----	220 pipes
29		Chimes (prepared for in console only)	

PEDAL ORGAN

30	16	Principal-----12 pipes, 20 from #2-----	32 notes
31	16	Bourdon -----from #1-----	32 notes
32	8	Octave -----from #2-----	32 notes
33	8	Gedeckt -----from #1-----	32 notes
34	8	Gemshorn-----from #14-----	32 notes
35	4	Choralbass-----from #2-----	32 notes
36	III	Mixture-----from #7 & 9-----	32 notes
37	16	Contre Trompette-----from #20-----	32 notes
38	8	Trompette-----from #20-----	32 notes
39	4	Clairon -----from #20-----	32 notes
40		Blank (do not provide slide)	

COUPLERS

41 Antiphonal to Pedal
 42 Antiphonal to Great
 43 Antiphonal to Swell
 44 Swell to Great

ADJUSTABLE COMBINATIONS

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

PEDAL MOVEMENTS

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 electrical wiring.
 Concave and radiating pedal keyboard
 Organ bench with music shelf
 Music rack with light
 Pedal light

PIPE ANALYSIS

<u>STOP</u>	<u>PITCH</u>	<u>PIPES</u>	<u>SCALE</u>	<u>HALVING</u>	<u>MOUTH</u>	<u>METAL</u>	<u>WIND PRESSURE</u>
<u>GREAT ORGAN</u>							
Bourdon	16	92	CCC to BBB Reg. Manual Bourdon CC 56	21-1/2	2/9	Wood) 17 Zinc C.M.)	3-1/2"
Principal	8	80	48	18-1/2	1/4	19 Zinc S.M.	3-1/2"
Mixture	II-III	126	See Formula			S.M.	3-1/2"

(continued)

PIPE ANALYSIS

TOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
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SWELL ORGAN

Flute	8	73	56	21-1/2	2/9	SM O.S. Chimneys (#19-62) 18 Zinc C.M.	3-1/2"
Shorn	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"
Shorn Celeste	8 TC	49	56-1/2 @ 8' CC	19-1/2	2/9	5 Zinc S.M.	3-1/2"
Principal	4	73	60-2/3	18-1/2	1/4	7 Zinc C.M.	3-1/2"
Trompette	16	80	3" CCC to FF half length FF# & up full length			D(F) Eschallots Zinc & S.M.	3-1/2"

ANTIPHONAL ORGAN

Burdon	8	61	Reg. St. Flt. Bass & Treble			Wood	3"
Principal	4	61	56	17-1/2	1/4	6 Zinc S.M.	3"
Mixture	III-IV	220	See Formula			S.M.	3"

PEDAL ORGAN

Principal	16	12	36	18-1/2	1/4	Zinc	3-1/2"
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MIXTURE FORMULAGREAT II-III MIXTURE

19	12	12	12	15
22	19	19		
	22			

1-37	38-49	50-53	54-56	57-61
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Unison	47 Sc.	17-1/2	1/4 mouth	S.M.
Quint	49 Sc.	17-1/2	1/4 mouth	S.M.

ANTIPHONAL III-IV MIXTURE

15	12	8	8
19	15	12	12
22	19	15	15
	22	19	

1- 15 17	18-49 18	50-54	55-61
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Unison	47 Sc.	17-1/2	1/4 mouth	S.M.
Quint	50 Sc.	17-1/2	1/4 mouth	S.M.