

AR SERIES ORGAN
 EARMARK FOR
 #11422 - MT. CARMEL BAPTIST CHURCH, WASHINGTON, D. C.
 SPECIFICATIONS OF AN 8 RANK SERIES 70 ORGAN

211

GENERAL

(1) ORGAN

Great Organ	Exposed - supply enclosure
Swell Organ	Standard Design
	Layout will be supplied
Wood & Finish	Rift Sawn Oak to customer's sample
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, to customer's sample
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 in blower space)

Type	2-P-2116 - ^{3/4} 1 1/2 HP - 1750 RPM - 6" outlet
Wind	440 C.F.M. @ 4" ²⁰⁸
Current Specifications	3 Ph - 60 Cy - 240 Volts - 1.9 Amperes
Overall Size	2' - 5-3/4" x 1' - 10-3/8" x 2' - 6-1/4" high

(4) POWER UNIT (located in organ area)

Rating	DC Output 10-15 Volts, 30 Amperes
Current Specification	1 Ph - 60 Cy - 120 Volts - 10 Amperes
Overall Size	14-1/2 L x 10-3/4" W x 7" H

CONSOLE AND ORGAN

GREAT ORGAN (Exposed)

1	16	Bourdon-----	92 pipes
2	8	Principal-----	80 pipes
3	8	Gedackt -----from #1-----	61 notes
4	8	Gemshorn-----from #13-----	61 notes
5	4	Octave -----from #2-----	61 notes
6	4	Gedackt-----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-IV	Mixture-----	183 pipes
10		Chimes-----	<i>may have tubes and electric actions, relay.</i>
11		Tremolo-----	<i>(prepared for in console only)</i>

transformer and volume control A to F, #22 to #42 = 21 tubes

SWELL ORGAN (Enclosed)

12	8	Rohrflote-----	73 pipes
13	8	Gemshorn-----	80 pipes
14	8	Gemshorn Celeste T.C. -----	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	32	Untersatz-----	32 notes
24	16	Principal-----12 pipes, 20 from #2-----	32 notes
25	16	Bourdon -----from #1-----	32 notes
26	8	Octave-----from #2-----	32 notes
27	8	Rohrflote-----from #1- ¹² -----	32 notes
28	8 4	Choralbass-----from #12- ² -----	32 notes
29	4	Gedackt -----from #2- ¹ -----	32 notes
30	16	Contre Trompette-----from #19-----	32 notes
31	4	Clairon-----from #19-----	32 notes

COUPLERS

32	Great to Pedal
33	Swell to Pedal
34	Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4-5
General Cancel

Affecting Full Organ

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
Music rack light
Pedal light

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
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GREAT ORGAN

Bourdon	16	92	CCC to BBB CC 56	Reg. Manual 21-1/2	Bourdon 1/4	Wood) 17 Zinc C.M.)	3-1/2"
Principal	8	80	48	18-1/2	1/4	17 Zinc S.M.	3-1/2"
Mixture	II-IV	183	See Formula Below			S.M.	3-1/2"

SWELL ORGAN

Rohrflote	8	73	56	21-1/2	2/9	SM O.S. Chimneys (#19-#62) 18 Zinc S.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 C.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	2-1/2"	CCC to FF half length FF# & up Full length		D(F) Eschallots Zinc & S.M.	3-1/2"

PEDAL ORGAN

Principal	16	12	36	18-1/2	1/4	Zinc	3-1/2"
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GREAT II-IV MIXTURE FORMULA

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

1-18	19-24	25-49	50-54	55-61
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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.