

AR SERIES ORGAN
 EARMARK FOR
 #11210 IMMANUEL EVANGELICAL LUTHERAN CHURCH, MANCHESTER, MARYLAND
 SPECIFICATIONS FOR A 9 RANK SERIES 70 ORGAN

213
GENERAL

(1) ORGAN

Great Organ	Exposed, Supply Enclosure
Swell Organ	Standard Design
Wood & Finish	Rift Sawn Oak - M-4150-2
Action	Electro-Pneumatic
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Special
Wood & Finish	Rift Sawn Oak - M-4150-2 <i>to Customer's sample</i>
Manuals	Two and Pedal
Manual Compass	CC to C4, 61 notes
Pedal Compass	CCC to G, 32 notes
Stop Controls	Draw Knobs
Action	All Electric with multiple contacts and switches for couplers.

(3) BLOWER (located in Blower space)

Type	Kinetic Style 2-P-2116 - 1/2 HP - 1725 RPM - 6" outlet
Wind	540 c.f.m. @ 4"
Current Specification	1 Ph - 60 Cy - 230 Volts - 3.6 Amperes
Overall Size	2' - 5-3/4" x 1' - 10-3/8" x 2' - 4-3/8" high

(4) POWER UNIT

Rating	DC Output: 10-15 Volts, 50 Amperes
Current Specification	AC Input: 1 Ph - 60 Cy - 230 Volts - 9 Amperes
Overall Size	23-1/2" long x 15-1/2" wide x 10-1/2" high

CONSOLE AND ORGAN

GREAT ORGAN (Exposed)

1	16	Bourdon	-----	97 pipes
2	8	Principal	-----	73 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	Flute	----- from #1 -----	61 notes
8	II	Sesquialtera T.C.	-----	98 pipes
9	III-IV	Mixture	-----	183 pipes
10		Chimes	----- (present tubes / <i>Seagen M1-20, provide new A-F,</i> and volume control, A-#22 to F-#42 -----	21 tubes
11		Carillon	----- (provide switch wired to junction 1-61)	
12		Tremolo		

SWELL ORGAN (Enclosed)

13	8	Rohrflote	73 pipes
14	8	Gemshorn	80 pipes
* 15	8	Gemshorn Celeste T.C.	49 pipes
16	4	Spitzprincipal	73 pipes
17	4	Rohrflote	61 notes
18	2	Spitzoctave	61 notes
19	1-1/3	Larigot	61 notes
20	16	Contre Trompette	80 pipes
21	8	Trompette	61 notes
22	4	Clairon	61 notes
23		Tremolo	

718a
not to be affected by
Swell to Great Coupler.

Klein Oktave - from #16 (Repeat 12 top notes) - - - 61 notes

PEDAL ORGAN

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 #13	32 notes
28	A	Choralbass	from #2	32 notes
29	4	Gedeckt	from #1	32 notes
30	III	Mixture	from #9	32 notes
31	16	Contre Trompette	from #20	32 notes
32	8	Trompette	from #20	32 notes
33	4	Clairon	from #20	32 notes

COUPLERS

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

ADJUSTABLE COMBINATIONS

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

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 contacts, reverse system)
Balanced Expression Pedal - Carillon
Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

Motor and power unit on-off switch (lock type) with indicator light (red 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
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GREAT ORGAN

Bourdon	16	97	CCC to BBB Reg. Manual Bourdon			Wood)	
			CC to BB Reg. Artiste Tapered Bass			Wood)	3-1/2"
			TC up Reg. Artiste Treble			Wood & S.M.)	
Principal	8	73	48	18-1/2	1/4	³⁰ 17 Zinc S.M.)	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 S.M.	3-1/2"
Gemshorn	8	80	CC 56	19-1/2	2/9		
			C 68-1/3	19-1/2	2/9	17 Zinc S.M.	3-1/2"
		#56	98	17-1/2	1/6		
Gemshorn Celeste	8 TC	49	58-1/3 @ 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	5 Zinc G.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 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.
1-3/5	82 Sc. @ #13	17-1/2	1/5 mouth	S.M.