

AR SERIES ORGAN
EARMARK FOR
#11191, UNITED PRESBYTERIAN CHURCH OF THE ATONEMENT, SILVER SPRING, MARYLAND
SPECIFICATIONS FOR A 9 RANK SERIES 70 ORGAN

213

GENERAL

(1) ORGAN

Great Organ
Swell Organ

Wood & Finish
Action
Wind Pressure
Pitch

Standard design without grille
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Layout will be supplied
Silvite Dull Charcoal Brown
Electro-Pneumatic (unit type)
See Pipe Analysis
A-440 @ 70°F

(2) CONSOLE

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

Special
Rift Sawn Oak to customer's sample
Two and Pedal
CC to C₄, 61 notes - 4 oz. key touch
CCC to G, 32 notes
Tilting Tablets
All Electric with multiple contacts and switches
for stops and couplers.

(3) BLOWER *two required* (located in organ space)

Type
Wind
Current Specification
Overall Size

¹⁷¹⁶
~~2-P-2116 - 1/2 HP - 1750 RPM - 6" outlet~~
~~540 c.f.m. @ 4" St. 320 cfm, Sw. 320 cfm~~
~~1 Ph - 60 Cy - 220 Volts - 3.6 Amperes~~
~~2' - 5 3/4" x 1' - 10 3/8" x 2' - 6 1/4"~~
3' - 3 1/2" long x 1' - 8" wide x 3' - 1 1/8" high

(4) POWER UNIT (located in organ space)

Rating
Current Specifications
Overall Size

DC Output - 10-15 Volts - 50 Amperes
AC Input: 1 Ph - 60 Cy - 220 Volts - 9 Am
23-1/2" long x 15-1/2" wide x 10-1/2" high

CONSOLE AND ORGAN

GREAT ORGAN (unenclosed)

1	16	Bourdon	-----	97	p
2	8	Principal	-----	73	p
3	8	Gedeckt	-----from #1	61	n
4	8	Gemshorn	-----from #13	61	n
5	4	Octave	-----from #2	61	n
6	4	Gedeckt	-----from #1	61	n
7	2	Flute	-----from #1	61	n
8	11	Sesquialtera TC	-----	98	p
9	111-IV	Mixture	-----	183	p
10		Chimes	---(prepared for in console only)		
11		Tremolo			

SWELL ORGAN (Enclosed)

12	8	Rohrflöte -----	73 pipes
13	8	Gemshorn -----	80 pipes
14	8	Gemshorn Celeste T.C.-----	49 pipes
15	4	Spitzprincipal -----	73 pipes
16	4	Rohrflöte -----from #12 -----	61 notes
17	2	Spitzoctave -----from #14 -----	61 notes
18	1-1/3	Larigot -----from #13 --(repeat 12 top notes) -----	61 notes
19	1	Kleine Octave -----from #15 --(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	

PEDAL ORGAN

24	16	Principal -----(prepared for in console only)	
25	16	Bourdon -----from #1 -----	32 notes
26	8	Octave -----from #2 -----	32 notes
27	8	Rohrflöte -----from #1 -----	32 notes
28	4	Choralbass -----from #13 -----	32 notes
29	4	Gedeckt -----from #1 -----	32 notes
30	16	Contre Trompette -----from #20 -----	32 notes
31	8	Trompette -----from #20 -----	32 notes
32	4	Clairon -----from #20 -----	32 notes

COUPLERS

- 33 Great to Pedal *
- 34 Swell to Pedal
- 35 Swell to Great

* includes Chimes, wires #10-30 inc.

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4-5-6

Affecting Full Organ

General Cancel

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 contacts - reverse system)

Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

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

Concave, radiating pedal claviers

Organ bench with music shelf

Music rack

Music rack light

Pedal light

PIPE ANALYSIS

	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
<u>GREAT ORGAN</u>							
on	16	97	CCC to BBB Reg. Manual Bourdon CC to BB Reg. Artiste Tapered Bass TC up Reg. Artiste Treble			Wood Wood	3-1/2"
ipal	8	73	CC 52 TC 60	18-1/2	1/4	17 Zinc S.M.	3-1/2"
re	III	183	See Formula Below				3-1/2"
ialtera TC	II	98	See Formula Below				3-1/2"
<u>SWELL ORGAN</u>							
lote	8	73	56	21-1/2	2/9	Sm. O.S. Chimneys) 19-62) 18 Zinc S.M.)	3-1/2"
orn	8	80	CC 56 C 68-1/3 #56 102-2/3 98	19-1/2 19-1/2 17-1/2	2/9 2/9 1/6	17 Zinc S.M.	3-1/2"
orn Celeste TC	8	49	58-1/3 @ 8 ¹ CC	19-1/2	2/9	5 Zinc S.M.	3-1/2"
principal	4	73	60-2/3	18-1/2	1/4	5 Zinc C.M.	3-1/2"
e Trompette	16	80	2-1/2" CCC to FF half length FF# up full length			Zinc & S.M. D(F) Eschallots	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 FORMULA

12	10
17	12
13-56	57-61

2-2/3	68-3/4	18-1/2	2/9 mouth	S.M.
2	74	18-1/2	2/9 mouth	S.M.
1-3/5	75-2/3	18-1/2	1/5 mouth	S.M.
2-2/3	74 Sw. @ 13	17 1/2	2/9 mouth	
1-3/5	82 Sw. @ 13	17 1/2	1/5 mouth	