

AR SERIES ORGAN
 EARMARK FOR
 11432, ZION LUTHERAN CHURCH, WILLIAMSPORT, MARYLAND
 SPECIFICATIONS OF AN 8 RANK SERIES 70 ORGAN

2/11

GENERAL

(1) ORGAN

Great Organ	No cabinet
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
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 - 1/2 HP - 1750 RPM - 6" outlet
Wind	400 c.f.m. @ 4"
Current Specifications	1 Ph - 60 Cy - 120 Volts - 7.2 Amperes
Overall Size	2' - 5-3/4" x 1' - 10-3/8" x 2' - 6-1/4" high

(4) POWER UNIT (located in organ space)

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

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CONSOLE AND ORGAN

GREAT ORGAN (Unenclosed)

1	16	Bourdon-----	-----92 pipes
2	8	Principal-----	-----80 pipes
3	8	Gedeckt -----	-----61 notes
4	8	Gemshorn-----	-----61 notes
5	4	Octave -----	-----61 notes
6	4	Gedeckt -----	-----61 notes
7	2	Super Octave -----	-----61 notes
8	2	Flute-----	-----61 notes
9	III-IV	Mixture-----	-----208 pipes
10		Chimes-----	-----21 tubes
11		Tremolo	
12		Blank---	(provide switch in console 1-61 only)

* Not affected by couplers

SWELL ORGAN (Enclosed)

13	8	Rohrflöte -----	73 pipes
14	8	Gemshorn -----	80 pipes
15	8	Gemshorn Celeste T.C. -----	49 pipes
16	4	Principal-----	73 pipes
17	4	Rohrflöte -----from #13 -----	61 notes
18	2	Oktave -----from #16 -----	61 notes
19	1	Klein Oktave -----from #16-----	61 notes
20	1-1/3	Larigot-----from #14--(repeat 12 top notes)-----	61 notes
21	16	Contre Fagott-----	80 pipes
22	8	Fagott-----from #21-----	61 notes
23	4	Hautbois-----from #21--(repeat 5 top notes)-----	61 notes
24		Tremolo	
25		Blank-(provide switch in console 1-61 only)	

* Not affected by couplers

PEDAL ORGAN

26	32	Resultant-----from #1-----	32 notes
27	16	Principal -----12 pipes, 20 from #2-----	32 notes
28	16	Bourdon -----from #1 -----	32 notes
29	8	Octave -----from #2 -----	32 notes
30	8	Rohrflöte-----from #13-----	32 notes
31	4	Choralbass-----from #2-----	32 notes
32	4	Gedeckt -----from #1-----	32 notes
33	16	Contre Fagott-----from #21 -----	32 notes
34	4	Hautbois -----from #21 -----	32 notes

COUPLERS

35	Great to Pedal
36	Swell to Pedal
37	Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3	Affecting Great Organ
Pistons No. 1-2-3	Affecting Swell Organ
Toe levers No. 1-2-3	Affecting Pedal Organ
Pistons No. 1-2-3-4-5-6	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)
Zimbelstern, 5 bells with toe lever reversible

ACCESSORIES

- Motor and power unit on-off switch (lock 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
- Replacement panel in existing organ case

OP	PITCH	PIPES	PIPE ANALYSIS		MOUTH	METAL	WIND PRESSURE
			SCALE	HALVING			
GREAT ORGAN							
Bourdon	16	92	CCC to BBB Reg. Manual Bourdon			Wood)	
			CC to BB Reg. Artiste Tapered Bass			Wood)	3-1/2"
			TC 68 CC 56	21-1/2	2/9	17 Zinc C.M.)	
Principal	8	80	48	18-1/2	1/4	12 Zinc S.M.	3-1/2"
Mixture	III-IV	208	See Formula Below			S.M.	3-1/2"
SWELL ORGAN							
Chromflöte	8	73	56	21-1/2	2/9	SM O.S. Chimneys (#19-#62)	3-1/2"
						18 Zinc C.M.	
Shorn	8	80	CC 56	19-1/2	2/9	17 Zinc S.M.	3-1/2"
			C 68-1/2	19-1/2	2/9		
			#56 98	17-1/2	1/6		
Shorn Celeste	8 TC	49	56' 2 8' CC 19' 2				
			68 4' C 17-1/2	2/9	5 Zinc	S.M.	3-1/2"
			(from inventory)				
Flitzprincipal	4	73	60-2/3	18-1/2	1/4	7 Zinc C.M.	3-1/2"
Centre Trompette	16	80	3" CCC to FF half length			D(F) Eschallots	
			FF# & up Full length			Zinc & S.M.	3-1/2"
PEDAL ORGAN							
Principal	16	12	36	18-1/2	1/4	Zinc	3-1/2"
MIXTURE FORMULA							
			Great III-IV Mixture				
	22	19	15	12	12	12	
	26	22	19	15	15	15	
	29	26	22	19	19		
		29	26	22			
	1-17	18-29	30-36	37-49	50-54	55-61	
Unison	47 Sc.	17-1/2	1/4 mouth	S.M.			
Quint	49 Sc.	17-1/2	1/4 mouth	S.M.			