

AR SERIES ORGAN
EARMARK FOR

#11462 ZION UNITED METHODIST CHURCH, YORK, PENNSYLVANIA
SPECIFICATIONS OF SERIES 70-8C ORGAN

2/11

GENERAL

(1) ORGAN

Great Organ
Swell Organ

Exposed and divided, provide enclosures
Chamber Installation
Layout will be supplied
To customer's samples
Electro-Pneumatic
See Pipe Analysis
A-440 @ 70°F

Wood & Finish
Action
Wind Pressure
Pitch

(2) CONSOLE

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

Standard design
To customer's samples
Two and Pedal
CC to C4, 61 notes
CCC to G, 32 notes
Tilting Tablets
All Electric

(3) BLOWERS - two required, located in organ spaces

Great & Pedal (right)
Type
Wind
Current Specification
Overall Size

2-P-1716 - 1/2 H.P. - 1750 RPM - 4" outlet
160 C.F.M. @ 4"
1 Ph - 60 Cy - 240 Volts - 3.6 Amperes
2'-3-1/2" long x 1'-8" wide x 2' - 1-1/8" high

Great & Swell (left)

Type
Wind
Current Specification
Overall Size

2-P-2116 - 1/2 H.P. - 1750 RPM - 6" outlet
300 C.F.M. @ 4"
1 Ph - 60 Cy - 240 Volts - 3.6 Amperes
2'-5-3/4" long x 1' - 10-3/8" wide x 2' - 6-1/4" high

(4) POWER UNIT (located in Swell Organ Chamber)

Rating
Current Specification
Overall Size

DC Output 10-15 Volts, 30 Amperes
1 Ph - 60 Cy - ~~110~~ Volts - 10 Amperes
14-1/2" L x 10-3/4" W x 7" H

CONSOLE AND ORGANGREAT ORGAN (Exposed)

1	16	Bourdon-----	92 pipes
2	8	Principal-----	80 pipes
3	8	Gedeckt-----from #1-----	61 notes
4	8	Gemshorn-----from #13-----	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-IV	Mixture -----	183 pipes
10		Chimes--present Deagan D tubes, new electric actions, relays, transformer and volume control A to F, #22 to #42 -----	21 tubes
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 #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	16	Principal-----12 pipes, 20 from #2-----	32 notes
24	16	Bourdon-----from #1-----	32 notes
25	8	Octave -----from #2-----	32 notes
26	8	Rohrflöte -----from #12-----	32 notes
27	4	Octave -----from #2-----	32 notes
28	4	Gedackt -----from #1-----	32 notes
29	16	Contre Trompette ---from #19-----	32 notes
30	4	Clairon -----from #19-----	32 notes

COUPLER

31	Great to Pedal
32	Swell to Pedal
33	Swell to Great

ADJUSTABLE COMBINATIONS

PEDAL MOVEMENTS

anced Expression Pedal - Swell Organ (8 contacts, make to close)
 nced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

r and power unit on-off switch (lock type) with indicator light (amber jewel) and related
 trical wiring.

ave and radiating pedal clavier
 n bench with music shelf
 c rack
 c rack light
 l light

PIPE ANALYSIS

	PITCH	PIPES	SCALE	HALVING	MOUTH	METAL	WIND PRESSURE
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GREAT ORGAN

don	16	92	44	21-1/2	2/9	29 Zinc C.M.	3-1/2"
ncipal	8	80	48	18-1/2	1/4	19 Zinc S.M.	3-1/2"
ure	II-IV	183	See Formula Below			S.M.	3-1/2"

SWELL ORGAN

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

PEDAL ORGAN

ncipal	16	12	36	18-1/2	1/4	Zinc	3-1/2"
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MIXTURE FORMULAGREAT II-IV MIXTURE

	19	15	12	12	12
	22	19	15	15	15
		22	19	19	
			22		
	1-18	19-22	23-49	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.	