

AR SERIES ORGAN

EARMARK FOR

#11659 - ST. JAMES UNITED METHODIST CHURCH, ALEXANDRIA, VIRGINIA
SPECIFICATIONS FOR SERIES 80-8+ ORGAN
TO BE COMPLETED - APRIL 22, 1984

2/9

GENERAL

1) ORGAN

Cabinet & Enclosures	Great - Exposed, provide enclosures Swell - Double-Decked, Standard Design
Wood & Finish	Maple <i>Maple</i> Sawn Oak , MPM 132
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

2) CONSOLE

Cabinet	Standard Design
Wood & Finish	Maple <i>Maple</i> Sawn Oak , MPM 132
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 with under-key contacts

3) BLOWER (located behind organ cabinet)

Type	2-P-2116 - 1/2 H.P. - 1750 RPM
Wind	300 c.f.m. @ 3-1/2" - 6" outlet
Current Specification	1 Phase - 60 Cycles - 240 Volts - 3.6 Amperes
Overall Size	2' - 5-3/4" x 1' - 10-3/8" x 2' - 3-1/4" high

4) POWER UNIT (mounted in swell organ cabinet)

Rating	DC Output: 10-15 Volts - 30 Amperes
AC Input	1 Phase - 60 Cycles - 240 Volts - 5 Amperes
Overall Size	16-3/4" long x 11" wide x 7-1/4" high

CONSOLE AND ORGAN

GREAT ORGAN

8	Principal-----	85 pipes
8	Rohrflöte-----from #10-----	61 notes
8	Gemshorn -----from #11-----	61 notes
4	Octave -----from #1-----	61 notes
4	Rohrflöte-----from #10-----	61 notes
2	Super Octave -----from #1-----	61 notes
III-IV	Mixture -----	208 pipes
8	Trompette-----from #18-----	61 notes
	Chimes-----Mayland tubes and electric action, relay,	

SWELL ORGAN (Enclosed)

10	8	Rohrflöte-----	80 pipes
11	8	Gemshorn-----	80 pipes
12	8	Gemshorn Celeste TC -----	49 pipes
13	4	Rohrflöte-----from #10-----	61 notes
14	4	Gemshorn-----from #11-----	61 notes
15	2	Rohrflöte-----from #10--(repeat 5 top notes)-----	61 notes
16	1-1/3	Larigot-----from #11--(repeat top octave)-----	61 notes
17	1	Siffelöte-----from #10--(repeat 17 top notes)-----	61 notes
18	8	Trompette-----	61 pipes
19	4	Clairon-----from #18--(repeat top octave)-----	61 notes
20		Tremolo	

PEDAL ORGAN

21	32	Untersatz-----	see wiring schematic-----	32 notes
* 22	16	Bourdon-----	12 pipes, 20 from #10-----	32 notes
23	8	Principal-----	from #1 -----	32 notes
24	8	Rohrflöte-----	from #10 -----	32 notes
25	4	Octave -----	from #1-----	32 notes
26	4	Rohrflöte -----	from #10 -----	32 notes
27	III	Mixture-----	from #7 -----	32 notes
28	32	Trompette Cornet----	see wiring schematic-----	32 notes
29	16	Contre Trompette----	12 pipes, 20 from #18-----	32 notes
30	8	Trompette -----	from #18 -----	32 notes
31	4	Clairon-----	from #18 -----	32 notes

(*) Exposed

COUPLERS

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

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4
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

Concave, radiating pedal clavier
Organ bench with music shelf
Transparent music rack with light
Pedal light
Motor and power unit on-off switch (lock type) with indicator light (amber jewel)
and related electrical wiring.

PIPE ANALYSIS							WIND PRESSURE
OP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	

GREAT ORGAN (Exposed)

Principal	8	85	45	17-1/2	1/4	18 Zinc S.M.	1-12 4-1/2" 13 up 3-1/2"
Mixture	III-IV	208	See Formula Below				3-1/2"

SWELL ORGAN - Enclosed

Rohrflöte	8	80	CC to BB TC 68	Reg. Art. Tapered Bass 21-1/2 2/9 Sm. I.S. Chimneys 19-62 Pull in 8 scales between #62-73	Wood 6 Zinc C.M.		3-1/2"
Shorn	8	80	CC 56 C 68-1/2 #56 98	19-1/2 2/9 19-1/2 2/9 17-1/2 1/6	17 Zinc S.M.		3-1/2"
Shorn Celeste TC 8		49	56-1/2 @ CC	19-1/2 2/9	5 Zinc S.M.		3-1/2"
Trompette	8	61	2-1/4"	#1-6 1/2 length	Zinc & S.M. D(F) Eschallots		3-1/2"

PEDAL ORGAN

Bourdon	16	12	Reg. Man. Bourdon		Wood		4-1/2"
Contre Trompette	16	12	3" 1/2 length		D(F) Eschallots	Zinc	3-1/2"

(*) Exposed

GREAT III-IV MIXTURE FORMULA

	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.		

32 UNTERSATZ WIRING SCHEMATIC

#1-12 plays Pedal	16 Bourdon	#8-19
#1-12 plays Pedal	16 Bourdon	#1-12
#13 up plays Pedal	16 Bourdon	#1-20

32 TROMPETTE CORNET WIRING SCHEMATIC

#1-12 plays Swell	8 Rohrflöte	#5-16
#1-12 plays Swell	8 Rohrflöte	#11-22
#1-12 plays Swell	8 Rohrflöte	#15-26
#13-32 plays Pedal	16 Contre Trompette	#1-12 & Swell 8 Trompette #1-8