

AR SERIES ORGAN
EARMARK FOR
#11702, EPWORTH UNITED METHODIST CHURCH, ELIZABETH, NEW JERSEY
SPECIFICATIONS FOR SERIES 80-9 + CELESTE ORGAN
TO BE COMPLETED, OCTOBER 15, 1985

2/10
GENERAL

(1) ORGAN

Cabinets Two (2) Required	Standard design, no grilles required
Wood & Finish	Silvite, Charcoal Brown
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard Design with roll top
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 with under-key contacts

(3) BLOWER (mounted below organ cabinets)

Type	Style 2-P-2116 - 1/2 HP - 1750 RPM
Wind	440 c.f.m. @ 4" - 6" outlet
Current Specification	1 Phase - 60 Cycles - <u>240</u> Volts - <u>3.6</u> Amperes
Overall Size	2'-5 3/4" x 1' - 10 3/8" x 2' - 6 1/4" high

(4) POWER UNIT (mounted below organ cabinets) *Peterson Model P30*

Rating	DC Output: 10-15 Volts - 30 Amperes
AC Input	1 Phase - 60 Cycles - 120 Volts - 10 Amperes
Overall Size	<u>16-3/4"</u> long x <u>11"</u> wide x <u>7-1/4"</u> high <i>15-23/4" 8" 7-1/2"</i>

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CONSOLE AND ORGAN

GREAT ORGAN (Enclosed)

1	16	Bourdon-----	92 pipes
2	8	Principal-----	80 pipes
3	8	Gedackt-----from #1-----	61 notes
4	8	Gemshorn-----from #14-----	61 notes
5	4	Octave-----from #2-----	61 notes
6	4	Gedackt-----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	III-IV Rks.	Mixture -----	208 pipes
10		Blank----- (future 8 Schalmei - 61 pipes)	
11		Chimes----- (prepared for in console only)	
12		Tremolo	

SWELL ORGAN (Enclosed)

13	8	Rohrflöte-----	85 pipes
14	8	Gemshorn-----	80 pipes
15	8	Gemshorn Celeste TC-----	49 pipes
16	4	Rohrflöte -----from #13-----	61 notes
17	4	Gemshorn-----from #14-----	61 notes
18	2-2/3	Rohrmasat-----from #13-----	61 notes
19	2	Rohrflöte-----from #13-----	61 notes
20	1-1/3	Larigot -----from #14--(repeat top octave)-----	61 notes
21	1	Siffelöte -----from #13--(repeat top octave)-----	61 notes
22	16	Contre Trompette -----	80 pipes
23	8	Trompette -----from #22-----	61 notes
24	4	Clairon-----from #22--(repeat 5 top notes)-----	61 notes
25		Tremolo	

PEDAL ORGAN

26		Blank --- (future 16 Principal - 12 pipes)	
27	16	Bourdon-----from #1-----	32 notes
28	8	Octave -----from #2-----	32 notes
29	8	Rohrflöte-----from #13-----	32 notes
30	4	Choralbass -----from #2-----	32 notes
31	4	Gedackt-----from #1-----	32 notes
32	III Rks.	Mixture-----from #9-----	32 notes
33	16	Contre Trompette-----from #22-----	32 notes
34	4	Clairon -----from #22-----	32 notes

COUPLERS

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

ADJUSTABLE COMBINATIONS

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

PEDAL MOVEMENTS

Balanced Expression Pedal - Great Organ (8 contacts, make to close)
 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 and height adjusting blocks
 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.
 Roll top with lock
 Blower enclosure

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	WIND PRESSURE
<u>GREAT ORGAN</u> - Enclosed							
Bourdon	16	92	CCC to BBB Reg. Man. Bourdon			Wood	#1-16 4-1/2
			CC to BB Reg. Art. Tapered Bass			Wood	#17 up 3-1/2
			TC 68	21-1/2	2/9	5 Zinc CM	
Principal	8	80	45	17-1/2	1/4	19 Zinc SM	#1-12 4-1/2
							#13 up 3-1/2
Mixture	III-IV	208	See Formula Below			SM	3-1/2
<u>SWELL ORGAN</u> - Enclosed							
Rohrflöte	8	85	56	21-1/2	2/9	18 Zinc CM	3-1/2
						Sm. I.S. Chimneys 19-62	
						Pull in 8 scales between #62 & 73	
Gemshorn	8	80	CC 56	19-1/2	2/9	17 Zinc SM	3-1/2
			C 68-1/2	19-1/2	2/9		
			#56 98	17-1/2	1/6		
Gemshorn Celeste TC 8		49	52-1/2 @ CC	19-1/2	2/9	5 Zinc SM	3-1/2
Contre Trompette 16		80	3" CCC to FF half length			D(F) Eschallots	3-1/2
			FF# & up full length			Zinc & S.M.	

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 SM
 Quint 49 Sc. 17-1/2 1/4 mouth SM

AEN/mr
 6/14/85