

AR SERIES ORGAN
EARMARK FOR
#11732 - WOODSTOCK UNITED METHODIST CHURCH, WOODSTOCK, VIRGINIA
SPECIFICATIONS FOR SERIES 80-10 REVISED ORGAN + CELESTE
TO BE COMPLETED - NOVEMBER 21, 1986

GENERAL

(1) ORGAN

Action	Chamber installation, layout will be provided.
Wind Pressure	Electro-Pneumatic (unit type)
Pitch	See Pipe Analysis
	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 with under-key contacts

(3) BLOWER (mounted in blower space)

Type	Ventus 611412 - .75 HP - 3360 RPM
Wind	420 c.f.m. @ 4" - 6" outlet
Current Specification	1 Phase - 60 Cycles - 240 Volts - 2.3 Amperes
Overall Size	1'-9 1/2" x 1'-5 3/4" x 1'-8 1/2" high

(4) POWER UNIT (mounted in Swell Organ)

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

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CONSOLE AND ORGAN

GREAT ORGAN - Unenclosed

1	8	Principal-----	85 pipes
2	8	Gedeckt-----	85 pipes
3	8	Gemshorn-----from #12 -----	61 notes
4	4	Octave-----from #1-----	61 notes
5	4	Waldflöte-----from #2-----	61 notes
6	2	Super Octave-----from #1-----	61 notes
7	2	Blockflöte-----from #2-----	61 notes
8	III-IV Rks.	Mixture -----	208 pipes
9		Chimes----present 1-3/4" to 1" bells, new electric action, relay, transformer & volume control A to F, #22 to 42-----	21 bells
10		Tremolo	

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SWELL ORGAN - Enclosed

11	8	Rohrflöte-----	73 pipes
12	8	Gemshorn-----	80 pipes
13	8	Gemshorn Celeste TC-----	49 pipes
14	4	Spitzprincipal-----	73 pipes
15	4	Rohrflöte-----from #11-----	61 notes
16	2	Spitzoctave-----from #14-----	61 notes
17	1-1/3	Larigot-----from #12--(repeat top octave)-----	61 notes
18	1	Klein Octave-----from #14--(repeat top octave)-----	61 notes
19	16	Contre Trompette-----	85 pipes
20	8	Trompette-----from #19-----	61 notes
21	4	Clairon-----from #19-----	61 notes
22		Tremolo	

PEDAL ORGAN

23	32	Untersatz-----See Wiring Schematic-----	32 notes
24	16	Principal-----12 pipes, 20 from #1-----	32 notes
25	16	Bourdon-----12 pipes, 20 from #2-----	32 notes
26	8	Principal-----from #1-----	32 notes
27	8	Rohrflöte-----from #11-----	32 notes
28	4	Octave-----from #1-----	32 notes
29	4	Gedeckt-----from #2-----	32 notes
30	III Rks.	Mixture-----from #8-----	32 notes
31	32	Reed Cornet-----See Wiring Schematic-----	32 notes
32	16	Contre Trompette-----from #19-----	32 notes
33	4	Clairon-----from #19-----	32 notes

COUPLERS

34	Great to Pedal
35	Swell to Pedal
36	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.

AEN/mr
7/9/86

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PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	WIND PRESSURE
<u>GREAT ORGAN</u> - Unenclosed							
Gedackt	8	85	CC to BB TC 68	Reg. Art. 21-1/2	Tapered Bass 2/9	Wood 5 Zinc CM	3-1/2"
Principal	8	85	45	17-1/2	1/4	19 Zinc SM	3-1/2"
Mixture	III-IV	208	See Formula Below				3-1/2"
<u>SWELL ORGAN</u> - Enclosed							
Rohrflöte	8	73	56	21-1/2	2/9	18 Zinc CM Sm. I.S. Chimneys #19-62 Pull in 8 scales between #62 & 73	3-1/2"
Gemshorn	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 SM	3-1/2"
Gemshorn Celeste TC	8	49	56-1/2 @ CC	19-1/2	2/9	5 Zinc SM	3-1/2"
Spitzprincipal	4	73	60-2/3	18-1/2	1/4	7 Zinc CM	3-1/2"
Contre Trompette	16	85	3" CCC to FF half length FF# up full length			D(F) Eschallots Zinc & SM	3-1/2"
<u>PEDAL ORGAN</u>							
Principal	16	12	33	17-1/2	1/4	Zinc	3-1/2"
Bourdon	16	12	Reg. Man. Bdn.			Wood	3-1/2"

GREAT III-IV MIXTURE FORMULA

22	19	15	12	12	12	12
26	22	19	15	15	15	
29	26	22	19	19		
	29	26	22			
1-12	13-18	19-30	31-49	50-54	55-56	57-61
Unison 47 Sc.	17-1/2	1/4	mouth	SM		
Quint 50 Sc.	17-1/2	1/4	mouth	SM		

32 UNTERSATZ WIRING SCHEMATIC

#1-12 plays 16 Bourdon #1-12
 #1-12 plays 16 Bourdon #8-12 & 8 Gedackt #1-7
 #13-32 plays 16 Bourdon #1-12 & 8 Gedackt #1-8

32 REED CORNET WIRING SCHEMATIC

6-2/5 notes #1-12 plays 8 Rohrflöte #5-16
 4-4/7 notes #1-12 plays 8 Rohrflöte #11-22
 3-5/9 notes #1-12 plays 8 Rohrflöte #15-26
 notes #13-32 plays 16 Contre Trompette #1-20