

M. P. MOLLER ORGAN FACTORY

11786 EMMANUEL EPISCOPAL CHURCH, HARRISONBURG, VIRGINIA

SPECIFICATIONS FOR SPECIAL SERIES 80-12 ORGAN PLUS CELESTE

REVISED

To be completed August 15, 1988
2/13

GENERAL

(1) ORGAN

Cabinet	Chamber installation, see layout Great - Reuse present paneling with pipe facades Swell - Silvite - No Grilles
Wood & Finish	Walnut Mahogany - To customer's sample
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70 degrees F.

(2) CONSOLE

Cabinet	Standard Design - 80 U with glides
Wood & Finish	Walnut Mahogany - To customer's sample
Manuals	Two and Pedal
Manual Compass	CC to C4, 61 notes - Bone/Walnut
Pedal Compass	CCC to G, 32 notes
Stop Controls	Maple Tilting Tablets
Action	All electric with under-key contacts

(3) BLOWER (detached)

Type	Ventus 611412 - .75 HP - 3360 RPM
Wind	420 CFM @ 4" - 6" outlet
Current Specification	1 Phase 60 Cycles 120 Volts 4.6 Amperes
Overall Size	1'-5 3/4" wide x 1'-9 1/2" long x 1'-7 1/2" high

(4) POWER UNIT (mounted in organ cabinet)

Rating	DC output - 11-15 Volts - 35 Amperes
AC Input	1 Phase 60 Cycles 120 Volts 7.5 Amperes
Overall Size	11" wide x 11" deep x 5" high

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CONSOLE AND ORGAN

GREAT ORGAN (Unenclosed)

* 1	8	Principal.....	85 pipes
2	8	Rohrflote.....from #14.....	61 notes
3	8	Gemshorn.....from #15.....	61 notes
4	4	Octave.....from #1.....	61 notes
5	4	Waldflote.....from #14.....	61 notes
6	2	Super Octave..from #1.....	61 notes
7	II	Sesquialtera TC.....	98 pipes
8	III-IV	Mixture.....	232 pipes
* In facade as practical			

GREAT ORGAN (Continued)

9	8	Trompette.....from #21.....61 notes
10	8	Cromorne TC.....49 pipes
11		Chimes....prepared for in console only
12		Blank
13		Blank

SWELL ORGAN (Enclosed)

14	8	Rohrflote.....85 pipes
15	8	Gemshorn.....80 pipes
16	8	Gemshorn Celeste TC....present pipes.....49 pipes
17	4	Spitzprincipal.....61 pipes
18	4	Waldflote.....from #14.....61 notes
19	2	Blockflote.....from #14.....61 notes
20	1-1/3	Larigot.....from #15..(repeat top octave).....61 notes
21	16	Contre Trompette.....85 pipes
22	8	Trompette.....from #21.....61 notes
23	4	Clairon.....from #21.....61 notes
24		Tremolo
25		Blank

PEDAL ORGAN

26	32	Untersatz.....Unison & Quinte from #14 & 27.....32 notes
**27	16	Subbass.....12 present pipes, 20 from #14.....32 notes
28	8	Principal.....from #1.....32 notes
29	8	Rohrflote.....from #14.....32 notes
30	4	Octave.....from #1.....32 notes
31	III	Mixture.....from #8.....32 notes
32	32	Reed Cornet...from #14 & 21.....32 notes
33	16	Contre Trompette...from #21.....32 notes
34	4	Clairon.....from #21.....32 notes

** Unenclosed

COUPLERS

35	Great to Pedal	40	Great 4
36	Swell to Pedal	41	Swell 16
37	Swell to Great 16	42	Swell 4
38	Swell to Great		
39	Swell to Great 4		

ADJUSTABLE COMBINATIONS

Solid State - Single Memory

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	Affecting Full Organ (dupli-
General Cancel	cated by toe levers)
Combination Adjustor	
Combination Lock	

PEDAL MOVEMENTS

Great to Pedal reversible
 Tutti reversible with indicator light (red jewel)
 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 electric wiring

GENERAL

Organ to be regulated and tone finished in the church by factory finisher.

PIPE ANALYSIS

STOP PITCH PIPES SCALE HALVING MOUTH REMARKS W.P.

GREAT ORGAN - Unenclosed

*Principal	8	85	44	17	1/4	12 Zinc SM	3-1/2"
Sesquialtera TC	8	98	See formula			SM	3-1/2"
Mixture	III-IV	232	See formula			SM	3-1/2"
Cromorne TC	8	49	1-5/8" @ CC Dulzian			CM	3-1/2"
						B(F) 1/8 Esch.	

* In facade as practical

SWELL ORGAN - Enclosed

Rohrflote	8	85	CC Spec. Man. Bdn.			Wood	3-1/2"
			TC 68	21	2/9	CM	
			Sm. O. S. Chimneys #19-62				
Gemshorn	8	80	CC 56	19	2/9	12 Zinc SM	
			C 68-1/2	19	2/9		3-1/2"
			#56 98	17	1/6		
Gemshorn Celeste TC	8	49	present Dulciana				3-1/2"
Spitzprincipal	4	61	60-2/3	18	1/4	CM	3-1/2"
Contre Trompette	16	85	3" CCC to FF half length			C(F) Esch.	3-1/2"
			FF# up full length			Zinc & SM	

PIPE ANALYSIS

STOP-----PITCH PIPES SCALE HALVING MOUTH REMARKS-----W.P.

PEDAL ORGAN

Subbass 16 12 Spec. Man. Bdn. Wood 4-1/2"

GREAT II SESQUIALTERA IC FORMULA

12	10
17	12
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13-56	57-61

2-2/3	74 Sc. @ #13	17-1/2	2/9 mouth	SM
1-3/5	82 Sc. @ #13	17-1/2	1/5 mouth	SM

GREAT III-IV MIXTURE FORMULA

232 pipes

19	15	12	8	8
22	19	15	12	12
26	22	19	15	15
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26	22	19		
1-12	13-18	19-36	37-49	50-61

All ranks 47 Sc. 17-1/2 1/4 mouth SM

32 REED CORNET WIRING SCHEMATIC

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