

R. A. Ellis

M. P. MOLLER ORGAN FACTORY

11789 SECOND CHURCH OF CHRIST, SCIENTIST, PHILADELPHIA, PA

SPECIFICATIONS FOR SERIES 80-9 PLUS ORGAN
WITH EXPOSED PRINCIPAL
To be completed July 1, 1989
219
GENERAL

REVISED

(1) ORGAN

Cabinets - two	Double-deck - Layout, will be provided
Wood & Finish	Rift Sawn Oak - M-4150-2 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
Wood & Finish	Rift Sawn Oak - M-4150-2 to customer's sample
Manuals	Two and Pedal
Manual Compass	CC to C4, 61 notes - Bone/Walnut - Tracker Touch
Pedal Compass	CCC to G, 32 notes
Stop Controls	Tilting Tablets - Maple
Action	All electric with under-key contacts

(3) BLOWER (detached)

Type	Ventus 611412 - .75 HP - 3360 RPM
Wind	360 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 (in Swell 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

CONSOLE AND ORGAN

GREAT ORGAN (Enclosed)

* 1	8	Principal.....	85 pipes
2	8	Gedeckt.....	85 notes
3	8	Gemshorn.....from #13.....	61 notes
4	4	Octave.....from #1.....	61 notes
5	4	Gedeckt.....from #2.....	61 notes
6	2	Super Octave..from #1.....	61 notes
7	2	Gedeckt.....from #2.....	61 notes
8	III-IV	Mixture.....	208 pipes

GREAT ORGAN - Continued

9	8	Trompette.....from #20.....61 notes
10		Chimes....prepared for in console only
11		Tremolo

* Exposed

SWELL ORGAN (Enclosed)

12	8	Rohrflote.....85 pipes
13	8	Gemshorn.....80 pipes
14	8	Blank.....future Gemshorn Celeste
15	4	Rohrflote.....from #12.....61 notes
16	4	Gemshorn.....from #13.....61 notes
17	2-2/3	Quint.....from #13.....61 notes
18	2	Rohrflote.....from #12.....61 notes
19	III-IV	Mixture.....from #8.....61 notes
20	16	Contre Trompette.....85 pipes
21	8	Trompette.....from #20.....61 notes
22		Blank
23	4	Clairon.....from #20.....61 notes
24		Tremolo

PEDAL ORGAN

25	16	Bourdon.....12 pipes, 20 from #2.....32 notes
26	8	Principal.....from #1.....32 notes
27	8	Rohrflote.....from #12.....32 notes
28	4	Octave.....from #1.....32 notes
29	4	Gedeckt.....from #2.....32 notes
30	III	Mixture.....from #8.....32 notes
31	16	Contre Trompette...from #20.....32 notes
32	4	Clairon.....from #20.....32 notes

COUPLERS

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

ADJUSTABLE COMBINATIONS Solid State - Single Memory

Pistons No. 1-2-3-4-5-6-7-8 Affecting Full Organ
General Cancel
Combination Adjustor
Combination Lock

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 - four indicator lights (green jewels)

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 delivered, installed, final tuned, and regulated by M. P. Moller, Inc. All casework as described shall be included. Organ to be tone finished by head factory finisher to satisfaction of organ committee.

RVK/k
 9/19/88

PIPE ANALYSIS

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

GREAT ORGAN - Enclosed

Gedeckt	8	85	CC Reg. Art. Tap. Bass	Wood	#1-4	4-1/2"
			TC 68 21 2/9	CM	#5 up	3-1/2"
Principal (Exposed)	8	85	45 17 1/4	12 Zinc	SM	
					#1-12	4-1/2"
					#13 up	3-1/2"
Mixture	III-IV	208	See formula		SM	3-1/2"

SWELL ORGAN - Enclosed

Rohrflote	8	85	56 21 2/9	12 Zinc	CM	3-1/2"
					Sm. I. S. Chimneys #19-62	
Gemshorn	8	80	CC 56 19 2/9	12 Zinc	SM	3-1/2"
			C 68-1/2 19 2/9			
			#56 98 17 1/6			
Contre Trompette	16	85	3" CCC to FF half length	C(F) Esch.		3-1/2"
			FF# up full length	Zinc & SM		

PEDAL ORGAN

Bourdon	16	12	Reg. Man. Bdn.	Wood		4-1/2"
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PIPE ANALYSIS

STOP PITCH PIPES SCALE HALVING MOUTH REMARKS

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.	18-1/2	1/4 mouth	SM
Quint	50	Sc.	18-1/2	1/4 mouth	SM