

M. P. MOLLER ORGAN FACTORY

11787

ST. ELIZABETH CHURCH, PITTSBURGH, PENNSYLVANIA
2-11

SPECIFICATIONS FOR SERIES 80-10 PLUS ORGAN
To be completed March, 25, 1989

REVISED

GENERAL

(1) ORGAN

	See layout
Cabinet	Great Organ - Exposed - paneling by others
Wood & Finish	Swell Organ - Standard Design
Action	Rift Sawn Oak - to customer's sample
Wind Pressure	Electro-Mechanical (unit type)
Pitch	See Pipe Analysis
	A-440 @ 70 degrees 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 (detached)

Type	Ventus 611412 - .75 HP - 3360 RPM
Wind	420 CFM @ 4" - 6" outlet
Current Specification	1 Phase, 60 Cycles, 120 Volts, 6.6 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 Great organ area)

Rating	DC output - 11-15 Volts - 50 Amperes
AC Input	1 Phase, 60 Cycles, 120 Volts, 9.5 Amperes
Overall Size	13-3/4" wide x 11" deep x 6" high

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CONSOLE AND ORGAN

GREAT ORGAN - Exposed

1.	8	Principal.....	85 pipes
2.	8	Rohrflote....from #11.....	61 notes
3.	8	Gemshorn....from #12.....	61 notes
4.	4	Octave.....from #1.....	61 notes
5.	4	Rohrflote....from #11.....	61 notes
6.	2	Super Octave.from #1.....	61 notes

GREAT ORGAN (Continued)

7.	III-IV	Mixture.....	224 pipes
8.	8	Oboe.....	61 pipes
9.		Chimes.....prepared for in console only	

SWELL ORGAN (Enclosed)

10.	8	Geigen Principal...from #11, 12, & 14.....	61 notes
11.	8	Rohrflote.....	85 pipes
12.	8	Gemshorn.....	80 pipes
13.	8	Gemshorn Celeste TC....present pipes.....	49 pipes
14.	4	Principal.....	61 pipes
15.	4	Rohrflote...from #11.....	61 notes
16.	2-2/3	Nazard.....from #11.....	61 notes
17.	2	Blockflote...from #11.....	61 notes
18.	1-3/5	Tierce TC....from #12 (repeat top octave)....	61 notes
19.	1-1/3	Larigot.....from #12 (repeat top octave)....	61 notes
20.	16	Contre Trompette.....	85 pipes
21.	8	Trompette...from #20.....	61 notes
22.	4	Clairon.....from #20.....	61 notes
23.		Tremolo	

NAVE ORGAN - Prepared for

24.	Blank
25.	Blank
26.	Blank
27.	Blank
28.	Blank
29.	Blank

PEDAL ORGAN

30.	16	Contra Bass...12 present pipes, 20 from #11 ^{# 1}	32 notes
31.	16	Subbass.....12 present pipes, 20 from #11....	32 notes
32.	8	Principal...from #1.....	32 notes
33.	8	Rohrflote...from #11.....	32 notes
34.	4	Octave.....from #1.....	32 notes
35.	III	Mixture.....from #7.....	32 notes
36.	32	Grand Cornet.....from #11 & 20.....	32 notes
37.	16	Contre Trompette...from #20.....	32 notes
38.	8	Trompette...from #20.....	32 notes
39.	4	Clairon.....from #20.....	32 notes

COUPLERS

40.	Great to Pedal	46.	Swell 16
41.	Swell to Pedal	47.	Swell Unison Off
42.	Swell to Great 16	48.	Swell 4
43.	Swell to Great	49.	Nave on Great
44.	Swell to Great 4	50.	Nave on Swell
45.	Great 4		

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 contacts, make to close)
 Balanced Crescendo Pedal with indicator light (green jewel)

ADJUSTABLE COMBINATIONS
 Solid State - Single Memory

Pistons No. 1-2-3-4-5-6-7-8 Affecting Full Organ (duplicated by toe studs)
 General Cancel
 Combination Adjustor
 Combination Lock

ACCESSORIES

Concave, radiating pedal clavier
 Organ bench with music shelf and back rest
 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

HS/jm
 6-22-89

Salesman: Harold Showman, Jr.

PIPE ANALYSIS

<u>STOP</u>	<u>PITCH</u>	<u>PIPES</u>	<u>SCALE</u>	<u>HALVING</u>	<u>MOUTH</u>	<u>REMARKS</u>	<u>W.P.</u>
<u>GREAT ORGAN</u> - Exposed							
Principal	8	85	45/56	17	1/4	12 Zinc SM	4-1/2"
Mixture	III-IV	224	See Formula			SM	4-1/2"
Oboe	8	61	Reg. 3" Sc. Open			C(F) Esch. Zinc SM	4-1/2"

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	W.P.
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SWELL ORGAN - Enclosed

Rohrflote	8	85 CC to BB Reg. Art. Tap. Bass Wood					4-1/2"
		TC 68	21	2/9	CM		
				Sm.O.S. Chimneys	#19-62		
Gemshorn	8	80 CC 56	19	2/9	12 Zinc SM		4-1/2"
		C 68-1/2	19	2/9			
		#56 98	17	1/6			
Gemshorn Celeste TC	8	49 present					4-1/2"
Principal	4	61 58	17	1/4	SM		4-1/2"
Contre Trompette	16	85 3" CCC to FF 1/2 length			C(F) Esch.		4-1/2"
		FF# up full length			Zinc & SM		

PEDAL ORGAN

Contra Bass	16	12 present					
		CCC 7-5/8" x 9-1/4" O.D.					
		Violone Sc. BBB 4-5/8" x 5-1/2"					4-1/2"
Subbass	16	12 present					
		CCC 8-1/4" x 10"					
		BBB 5-5/8" x 6-5/8" O.D. #2 Bourdon					4-1/2"

GREAT III-IV MIXTURE FORMULA

19	15	12	8	1
22	19	15	12	8
26	22	19	15	12
	26	22	19	15
1-20	21-32	33-44	45-48	49-61
Unison	48 Sc. @ 8'	17-1/2	1/4 mouth	SM
Quint	48 Sc. @ 8'	17' 1/2	1/4 mouth	SM

PIPE ANALYSISPEDAL 32 GRAND CORNET WIRING SCHEMATIC

#1-12 play 8 Rohrflote #5-16
#1-12 play 8 Rohrflote #11-22
#1-12 play 8 Rohrflote #15-26
#13-32 play 16 Contre Trompette #1-20

IGL/jm
6-22-89