

M. P. MOLLER ORGAN FACTORY

11783 KING OF KINGS LUTHERAN CHURCH, PORT RICHEY, FLORIDA

SPECIFICATIONS FOR SERIES 80-10 PLUS ORGAN

REVISED

WITH EXPOSED GREAT

To be completed March 1, 1989

2/10

GENERAL

(1) ORGAN

Cabinet & Enclosure	Double-deck - Layout will be provided
Wood & Finish	Standard Design
Action	Rift Sawn Oak - M-4150-2
Wind Pressure	Electro-Pneumatic (unit type)
Pitch	See Pipe Analysis
	A-440 @ 70 degrees F.

(2) CONSOLE

Cabinet	Standard Design
Wood & Finish	Rift Sawn Oak - M-4150-2
Manuals	Two and Pedal
Manual Compass	CC to C4, 61 notes - Bone/Walnut
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	420 CFM @ 4" - 6" outlet
Current Specification	1 Phase 60 Cycles 240 Volts 3.8 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 - Exposed

1	16	Bourdon.....	97 pipe
2	8	Principal.....	85 pipe
3	8	Gedeckt.....from #1.....	61 note
4	8	Gemshorn.....from #13.....	61 note
5	4	Octave.....from #2.....	61 note
6	4	Gedeckt.....from #1.....	61 note
7	2	Super Octave..from #2.....	61 note
8	2	Gedeckt.....from #1.....	61 note
9	III-IV	Mixture.....	224-208 pipe
10		Chimes.... prepared for in console only	
11		Tremolo	

Chimes... Mayland tubes + action (with canopy), relays
transformer + volume controls A to F; #22-42.... 21 bells

SWELL ORGAN - Enclosed

12	8	Rohrflote.....	73 pipes
13	8	Gemshorn.....	80 pipes
14	8	Gemshorn Celeste TC....	prepared for in console only
15	4	Spitzprincipal.....	73 pipes
16	4	Rohrflote.....from #12.....	61 notes
17	2	Spitzoctave...from #15.....	61 notes
18	1-1/3	Larigot.....from #13..(repeat top octave)....	61 notes
19	1	Klein Octave...from #15..(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	

PEDAL ORGAN

24	16	Principal...12 pipes, 20 from #2.....	32 notes
25	16	Bourdon.....from #1.....	32 notes
26	8	Principal.....from #2.....	32 notes
27	8	Rohrflote.....from #12.....	32 notes
28	4	Octave.....from #2.....	32 notes
29	4	Gedeckt.....from #1.....	32 notes
30	III	Mixture.....from #9.....	32 notes
31	16	Contre Trompette...from #20.....	32 notes
32	4	Clairon.....from #20.....	32 notes

COUPLERS

33	Great to Pedal
34	Swell to Pedal
35	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 - 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

RVK/k
9/16/88

PIPE ANALYSIS

STOP PITCH PIPES SCALE HALVING MOUTH REMARKS W.P.

GREAT ORGAN - Exposed

Bourdon	16	97	CCC Spec. Man. Bdn.	Wood	#1-16	4 1/2"
			TC 68	21	2/9	CM #17 up 3-1/2"
Principal	8	85	43/55/67/80/93	17	1/4	12 Zinc SM
			(#1 in facade with special foot + body lengths)			CC- 4 1/2"
Mixture	III-IV	208	See formula		SM	3-1/2"
		224				CC #19 3 1/2"

SWELL ORGAN - Enclosed

Rohrflote	8	73	56	21	2/9	12 Zinc CM	3-1/2"
						Sm. 1. S. Chimneys #19-62	
						No. 2 OS Chimneys #19-44	
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		
Spitzprincipal	4	73	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	

PEDAL ORGAN - Exposed

Principal	16	12	31/43	17	1/4	Zinc	4 1/2"
			(#1-12 in facade with special foot + body lengths)				

GREAT III-IV MIXTURE FORMULA

19 22	15 19	12 15	8 12	1 12	12	12
22 26	19 22	15 19	12 15	8 15	15	
26 29	22 26	19 22	15 19	12 19		
	26 29	22 26	19 22	15		
1-12	13-18	19-30	31-49	50-54	55-56	57-61
1-20	21-32	33-44	45-48	49-61		
Unison	47 Sc.	18-1/2	1/4 mouth	SM		
Quint	50 Sc.	18-1/2	1/4 mouth	SM		

All ranks based on 48 Sc. 17 1/2 1/4 m. 60° lgd, no ears, Sm.