

M. P. MOLLER ORGAN FACTORY

2/11

11814 GOOD SHEPHERD EVANGELICAL LUTHERAN CHURCH, FREDERICK, MD.

1990

SPECIFICATIONS FOR SERIES 80-10 PLUS ORGAN
WITH EXPOSED GREAT

REVISED

GENERAL

(1) ORGAN

Cabinet & Enclosure
Wood & Finish
Action
Wind Pressure
Pitch

Double-deck - Layout will be provided
Standard Design
Mahogany - To Customer's Sample
Electro-Pneumatic (unit type)
See Pipe Analysis
A-440 @ 70 degrees F.

(2) CONSOLE

Cabinet
Wood & Finish
Manuals
Manual Compass

Standard Design
Mahogany - To Customer's Sample
Two and Pedal
CC to C4, 61 notes - Bone/Walnut - Tracker
Touch

Pedal Compass
Stop Controls
Action

CCC to G, 32 notes
Maple Tilting Tablets
All electric with under-key contacts

(3) BLOWER (detached)

Type
Wind
Current Specification
Overall Size

Ventus 611412 - .75 HP - 3360 RPM
400 CFM @ 4" - 6" outlet
1 Phase, 60 Cycles, 120 Volts, 4.6 Amperes
1'-5 3/4" wide x 1-9 1/2" long x
1'-7 1/2" high

(4) POWER UNIT (mounted in swell organ cabinet)

Rating
AC Input
Overall Size

DC output - 11-15 Volts - 35 Amperes
1 Phase, 60 Cycles, 120 Volts, 7.5 Amperes
11" wide x 11" deep x 5" high

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CONSOLE AND ORGAN

GREAT ORGAN (Exposed)

| | | | |
|----|----|---------------------------|----------|
| 1. | 16 | Bourdon..... | 85 pipes |
| 2. | 8 | Principal..... | 85 pipes |
| 3. | 8 | Holzgedeckt..from #1..... | 61 notes |
| 4. | 8 | Gemshorn....from #13..... | 61 notes |
| 5. | 4 | Octave.....from #2..... | 61 notes |
| 6. | 4 | Waldflote....from #1..... | 61 notes |

GREAT ORGAN (Continued)

| | | | |
|-----|--------|---|-----------|
| 7. | 2 | Super Octave from #2..... | 61 notes |
| 8. | III-IV | Mixture..... | 224 pipes |
| 9. | 8 | Trompette...from #21..... | 61 notes |
| 10. | | Chimes.....prepared for in console only | |
| 11. | | Tremolo | |

* Unenclosed

SWELL ORGAN (Enclosed)

| | | | |
|-----|-------|---|----------|
| 12. | 8 | Rohrflote..... | 85 pipes |
| 13. | 8 | Gemshorn..... | 80 pipes |
| 14. | 8 | Gemshorn Celeste TC..... | 49 pipes |
| 15. | 4 | Principal..... | 61 pipes |
| 16. | 4 | Spillflote...from #12..... | 61 notes |
| 17. | 2-2/3 | Nazard.....from #12..... | 61 notes |
| 18. | 2 | Blockflote...from #12..... | 61 notes |
| 19. | 1-3/5 | Tierce TC from #12 (repeat top 4 notes).... | 49 notes |
| 20. | 1-1/3 | Quintflote...from #13 (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 | |

PEDAL ORGAN

| | | | |
|-----|----|---------------------------------------|----------|
| 25. | 32 | Untersatz...from #1..... | 32 notes |
| 26. | 16 | Principal...12 pipes; 20 from #2..... | 32 notes |
| 27. | 16 | Subbass.....from #1..... | 32 notes |
| 28. | 8 | Principal...from #2..... | 32 notes |
| 29. | 8 | Rohrflote...from #12..... | 32 notes |
| 30. | 4 | Octave.....from #2..... | 32 notes |
| 31. | 32 | Bombarde Cornet....from #12 & 32..... | 32 notes |
| 32. | 16 | Contre Trompette...from #21..... | 32 notes |
| 33. | 4 | Clairon.....from #21..... | 32 notes |

COUPLERS

| | |
|-----|------------------|
| 34. | Great to Pedal |
| 35. | Swell to Pedal |
| 36. | Swell to Great |
| 37. | Swell to Great 4 |
| 38. | Great 4 |
| 39. | Swell 4 |

ADJUSTABLE COMBINATIONS
Solid State - Single Memory

| | |
|-------------------------|---------------------------------|
| Pistons No. 1-2-3-4 | Affecting Great and Pedal Organ |
| Pistons No. 1-2-3-4 | Affecting Swell and Pedal Organ |
| Pistons No. 1-2-3-4-5-6 | Affecting Full Organ |
| General Cancel | |
| Combination Adjustor | |
| Combination Lock | |

PEDAL MOVEMENTS

Great to Pedal reversible
Full Organ reversible with indicator light
Balanced Expression Pedal - Swell Organ (8 contacts, make to open)
Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

Concave, radiating pedal clavier
Organ bench with music shelf
Transparent music rack and light
Pedal light
Motor and power unit on-off switch (lock type) with indicator light
(amber jewel) and related electric wiring
Blower enclosure under Swell Organ

GENERAL

Supports for exposed mechanism by M. P. Moller, Inc.
Panelwork for exposed mechanism by M. P. Moller, Inc.

1-25-90
DLA/lf

Salesman: John Holland

PIPE ANALYSIS

| <u>STOP</u> | <u>CODE</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 | | | | | | | | | |
| Bourdon | 1BD | 16 | 85 | CCC special manual | | | Bourdon #1- 24 ¹⁶ 4-1/2" #25 through 61 RMB Sc. (61 wood) #17 # 25 ¹⁷ -61 3-1/2" open metal #62-85 | | |
| Principal | 1RB | 8 | 85 | 43 | 17 | 1/4 | 12 Zinc SM #1-12 4-1/2" #13 up 3-1/2" | | |
| Mixture | 1NV | III-IV | 224 | See Formula | | | | | |
| <u>SWELL ORGAN</u> - Enclosed | | | | | | | | | |
| Rohrflote | 3RG | 8 | 85 | #1-44 | 56 | 21 | 2/9 | #1-12 Wood Art. Tapered 13-44 No. 2 O.S. Chimneys Blockflote from #45 up 88 18 2/9 SM 3-1/2" | |
| Gemshorn | 3ER | 8 | 80 | CC 56 | | 19 | 2/9 | 12 Zinc SM | |
| | | | | C 68-1/2 | | 19 | 2/9 | | |
| | | | | #56 98 | | 17 | 1/6 | 3-1/2" | |
| Gemshorn Celeste TC | 3ES | 8 | 49 | 56-1/2 | | 19 | 2/9 | SM 3-1/2" | |
| Principal | 3ZE | 4 | 61 | 60 | | 17 | 1/4 | CM 3-1/2" | |
| Contre Trompette | 3B9 | 16 | 85 | 3" CCC to FF | 1/2 | length | | C(F) Esch. Zinc & SM 3-1/2" | |
| | | | | FF# up full length | | | | | |
| <u>PEDAL ORGAN</u> | | | | | | | | | |
| Principal | 9CT | 16 | 12 | 31-43 | 17 | 1/4 2/9 | Zinc | 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 | 46 Sc. @ 8' | 17-1/2 | 1/4 mouth | SM | |
| Quint | 46 Sc. @ 8' | 17'1/2 | 1/4 mouth | SM | |

32 Untersatz Wiring Schematic

#1-12 Play 16' Bourdon #1-12
 #1-12 Play 16' Bourdon #8-19
 #13-32 Play 16' Bourdon #1-20

32 Bombarde Cornet Wiring Schematic

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