

M. P. MOLLER Organ Factory

3-21

Pipe Organ No. R-186 Date May 1, 1987
For GRACE LUTHERAN CHURCH, RED LION, PENNSYLVANIA
Action Electro-Pneumatic Console Present - Rolltop
Casing None Finish No change
Decorations None Motor Present-3 HP, Style 3CYM
Width of Key-bed Standard Stop Controls Draw Knobs & Stop Keys
No. Manuals THREE AND PEDAL Wind Pressure 5"
To be Completed December 1, 1987 Blower Pipe furnished by Purchaser

SPECIFICATIONS

FOR

REBUILDING, CHANGING TONALLY, AND ADDING TO
PRESENT MOLLER ORGAN OPUS 6114-1932 32443

CONSOLE

Reuse present console rebuilding as follows:

Replace all stop and coupler controls and contacts.
Replace all piston buttons and springs.
Recover all coupler pneumatics.
Recover combination pneumatics.
Recover all primaries and install new magnet caps
armatures.
Recover all reversible actions.
Replace crescendo and expression pedal pads and
edging.
Replace burrs and felt washers on manual keys.
Refelt action as required.
Refelt pedal keyboard and install new insulating
tips.
Recover reservoir.
Recover rolltop.
Refinish console cabinet, bench and pedal keyboard.

PITMAN CHESTS

Recover all manual pipe pouches.
Replace stop action checks and eyelets.
Recover three 73 note and one 61 note primary
stations and install new magnet caps and
armatures.
Recover stop action primaries and install new
magnet caps and armatures.
Replace duplex shifters.
Install new magnets required in Great station "B".

OFFSET CHESTS

Recover the following actions and install new
magnet caps and armatures.

Great	8	Principal	8 notes
Swell	8	Open Diapason	6 notes
Swell	8	Stopped Diapason	85 notes
Swell	16	Contre Trompette	12 notes
Choir	8	Open Diapason	6 notes

Recover all primaries.
Install new actions as required for additions.

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CHIMES Install new electric action.
Reuse present bells.

SWITCHES Install new ~~solid state~~ *electro pneumatic* switches *with diodes* as required.

PEDAL ORGAN Recover the following actions and install new magnet caps and armatures.

16	Open Diapason	12 notes
16	Bourdon	44 notes

Recover all primaries and install new magnet caps and armatures.

Install ~~solid state~~ *electro pneumatic* switches *with diodes* as required.

EXPRESSION Recover two 3 note, two 8 note and two 12 note actions and install new magnet caps and armatures.
Recover all shade pneumatics.
Replace all shade jacks and connecting rods.
Refelt shades.

RESERVOIR Recover the following reservoirs and install new curtain valves.

One	3-0 x 5-0 manual
One	2-6 x 4-6 manual
Two	1-6 x 2-0 pedal and offset
Two	expression
One	blower

TREMOLO Install new electro-pneumatic tremolos.

PIPES Install new pipes as indicated by specifications.
Revoice all pipes being reused.
Repack all wood pipe stoppers.
Install slide tuners as required.

CABLES Install new plastic covered cables between console and organ.
Install new action current wires between console, organ, and DC organ power unit.

ACTION CURRENT Reuse present DC organ power unit without change.

BLOWER Reuse present 3 HP, Style 3CYM motor and blower without change.
Install new motor-blower coupling leather.
Install new 14" diameter flexible connection with draw bands.

GENERAL

All parts specified above to be rebuilt to be returned to the factory of M. P. Moller, Inc. at Hagerstown, Maryland.

All parts from present instrument not required to complete this program become the property of M. P. Moller, Inc.

SPECIFICATIONS
FOR
CONSOLE AND ORGAN

MANUAL COMPASS	CC to C4, 61 notes
PEDAL COMPASS	CCC to G, 32 notes
WIND PRESSURE	5"
PITCH	A-440 @ 70 degrees F

GREAT ORGAN - Enclosed

- | | | |
|------------------------|--|--|
| 1. | 8 | Principal.....new pipes; present Open
Diapason action, unify #21-44...61 pipes |
| 2. | 8 | Doppelflote.....present pipes & action.....73 pipes |
| 3. | 8 | Melodia.....present pipes & action.....73 pipes |
| 4. | 8 | Gemshorn.....present pipes & action.....73 pipes |
| 5. | 8 | Gemshorn Celeste....present Dulciana pipes
& action.....73 pipes |
| 6. | 4 | Octave.....from #26.....61 notes |
| 7. | 4 | Flute.....present pipes & action.....73 pipes |
| 8. | 2 | Fifteenth.....present pipes & action.....61 pipes |
| 9. | II-III Rks. III-IV | Mixture... ¹⁵⁹ new pipes; present 2-2/3 Twelfth ²⁰¹ #13-54 pipes,
<i>present 2 2/3 twelfth action</i> 159 pipes |
| 10. | 8 | Corno D' Amour....present Trumpet pipes &
action.....61 pipes |
| 11. | | Tremolo |
| 12. | | Chimes.....present ^{Deagan Class} bells, new
electric action, relay,
transformer & volume control,
A to F, #22-42 ²⁵ 21 bells
<i>G to B #20-44</i> |
| SWELL ORGAN - Enclosed | | |
| 13. | 8 | Open Diapason.....present pipes & action.....73 pipes |
| 14. | 8 | Stopped Diapason..present 16 Lieblich
Gedeckt #13-97 pipes &
action.....85 pipes |
| 15. | 8 | Salicional.....present pipes & action.....73 pipes |
| 16. | 8 | Vox Celeste TC....present pipes & action.....61 pipes |
| 17. | 8 | Viole d' Orchestra..present pipes & action... ⁷³ 61 pipes |
| 18. | 4 | Orchestral Flute..from #14.....73 notes |
| 19. | 2-2/3 | Flute Twelfth.....from #14.....61 notes |
| 20. | 2 | Piccolo.....from #14.....61 notes |
| 21. | 1-1/3 | Larigot.....from #14.....61 notes |

SWELL ORGAN (continued)

22.	16	Contre Trompette (1/2L)...#1-12 new pipes; present 16 Lieblich Gedeckt action, #13-73 present 8 Corno D' Amour pipes & action unified, #74-85 new pipes & action.....85 pipes
23.	8	Trompette.....from #22.....73-61 notes
24.	4	Clairon.....from #22.....61 notes
25.		Tremolo

CHOIR ORGAN - Enclosed

26.	8	Open Diapason.....present pipes & action.....73 pipes
27.	8	Doppelflote.....from #2.....73 notes
28.	8	Melodia.....from #3.....73 notes
29.	8	Gemshorn.....from #4.....73 notes
30.	8	Gemshorn Celeste..from #5.....73 notes
31.	4	Flute.....from #7.....73 notes
32.	8	Clarinet.....present pipes & action.....73 pipes
33.		Tremolo
34.		Blank
35.		Blank

*PEDAL ORGAN

36.	16	Open Diapason.....12 pipes; 20 from #1.....32 notes
37.	16	Bourdon.....present pipes & action.....44 pipes
38.	8	Principal.....from #1.....32 notes
39.	8	Flute.....from #37.....32 notes
40.	4	Choral Bass.....from #1.....32 notes
41.	16	Contre Trompette..from #22.....32 notes

*Pedal Organ playable thru ~~solid state~~ *electro pneumatic*
switches *and diodes in the organ*

COUPLERS - No change

42.	Great to Pedal	56.	Swell to Choir 16
43.	Great to Pedal 4	57.	Swell to Choir
44.	Swell to Pedal	58.	Swell to Choir 4
45.	Swell to Pedal 4	59.	Great 16
46.	Choir to Pedal	60.	Great Unison Off (jamb switch)
47.	Swell to Great 16	61.	Great 4
48.	Swell to Great	62.	Swell 16
49.	Swell to Great 4	63.	Swell Unison Off (jamb switch)
50.	Choir to Great 16	64.	Swell 4
51.	Choir to Great	65.	Choir 16
52.	Choir to Great 4	66.	Choir Unison Off (jamb switch)
53.	Choir to Swell 16	67.	Choir 4
54.	Choir to Swell		
55.	Choir to Swell 4		

ADJUSTABLE COMBINATIONS - No change

Pistons No. 1-2-3-4-5-6	Affecting Great Organ
Pistons No. 1-2-3-4-5-6	Affecting Swell Organ
Pistons No. 1-2-3-4-5-6	Affecting Choir Organ
Pistons No. 1-2-3-4-5-6	Affecting Pedal Organ
Pistons No. 1-2-3-4-5-6	Affecting Full Organ

PEDAL MOVEMENTS

Great to Pedal reversible
Sforzando reversible with indicator light
Combination Setter
Balanced Expression Pedal - Swell Organ
Balanced Expression Pedal - Great-Choir Organ
Balanced Crescendo Pedal with indicator light

ACCESSORIES

Concave, radiating pedal clavier
Organ bench with music shelf
Volt meter
Present DC organ power unit
Present motor and blower

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