

AR SERIES ORGAN  
 EARMARK FOR  
 #11060, IMMANUEL LUTHERAN CHURCH, CARROLLTON, MISSOURI  
 SPECIFICATIONS FOR A SERIES 70-7A ORGAN

2/9

GENERAL

(1) ORGAN

|               |                                    |
|---------------|------------------------------------|
| Great Organ   | Double Decked, provide special     |
| Swell Organ   | cabinet.                           |
|               | Layout will be supplied            |
| Wood & Finish | Rift Sawn Oak to customer's sample |
| Action        | Electro-Pneumatic (unit type)      |
| Wind Pressure | 3-1/2"                             |
| Pitch         | A-440 @ 70°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                       |

(3) BLOWER (located in *Blower Cr.* ~~Swell Organ~~)

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| Type                  | Style 2-P-2116 - 1/2 H.P. - 1725 RPM              |
| Rating                | 500 c.f.m. @ 4", 6" outlet                        |
| Current Specification | 1 Ph - 60 Cy - 220 Volts - 3.6 Amperes            |
| Overall Size          | 2' - 5-3/4" long x 1' - 10-3/8" wide x 2'-6" high |

(4) POWER UNIT (located in *Console* ~~Swell Organ~~)

|                       |                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------|
| Rating                | DC Output - 10-15 Volts - 30 Amperes                                                 |
| Current Specification | AC Input - 1 Ph - 60 Cy - <del>220</del> <sup>110</sup> Volts - <del>3</del> Amperes |
| Overall Size          | 14-1/2" long, 10-3/4" wide, 7" high                                                  |

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CONSOLE AND ORGAN

GREAT ORGAN (Exposed)

|    |        |                                                     |           |
|----|--------|-----------------------------------------------------|-----------|
| 1  | 16     | Bourdon.....                                        | 92 pipes  |
| 2  | 8      | Principal.....                                      | 80 pipes  |
| 3  | 8      | Gedeckt.....from #1.....                            | 61 notes  |
| 4  | 8      | Genshorn.....from #14.....                          | 61 notes  |
| 5  | 4      | Octave.....from #2.....                             | 61 notes  |
| 6  | 4      | Gedeckt.....from #1.....                            | 61 notes  |
| 7  | 2      | Super Octave.....from #2..(repeat 5 top notes)..... | 61 notes  |
| 8  | 2      | Flute.....from #1..(repeat 5 top notes).....        | 61 notes  |
| 9  | II-III | Mixture.....                                        | 126 pipes |
| 10 |        | Chimes.....prepared for in console only             |           |
| 11 |        | Tremolo                                             |           |



SWELL ORGAN (Enclosed)

|    |       |                                                 |          |
|----|-------|-------------------------------------------------|----------|
| 12 | 8     | Rohrflöte.....                                  | 73 pipes |
| 13 | 8     | Gemshorn.....                                   | 80 pipes |
| 14 | 4     | Spitzprincipal.....                             | 73 pipes |
| 15 | 4     | Rohrflöte.....from #12.....                     | 61 notes |
| 16 | 2     | Spitzoctave.....from #14.....                   | 61 notes |
| 17 | 1-1/3 | Larigot.....from #13.....                       | 61 notes |
| 18 | 16    | Contre Trompette.....                           | 80 pipes |
| 19 | 8     | Trompette.....from #18.....                     | 61 notes |
| 20 | 4     | Clairon.....from #18..(repeat 5 top notes)..... | 61 notes |
| 21 |       | Tremolo                                         |          |

PEDAL ORGAN

|    |     |                                 |          |
|----|-----|---------------------------------|----------|
| 22 | 16  | Bourdon.....from #1.....        | 32 notes |
| 23 | 8   | Principal.....from #2.....      | 32 notes |
| 24 | 8   | Gedeckt.....from #1.....        | 32 notes |
| 25 | 8   | Gemshorn.....from #13.....      | 32 notes |
| 26 | 4   | Octav.....from #2.....          | 32 notes |
| 27 | 4   | Rohrflöte.....from #12.....     | 32 notes |
| 28 | III | Mixture.....from #7 & 9.....    | 32 notes |
| 29 | 16  | Contre Trompette..from #18..... | 32 notes |
| 30 | 8   | Trompette.....from #18.....     | 32 notes |
| 31 | 4   | Clairon.....from #18.....       | 32 notes |

COUPLER

32 Swell to Great

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 stage, reverse system)  
Balanced Crescendo with indicator light (green jewel)

ACCESSORIES

Motor and power unit on-off switch (lock type) with indicator light (red jewel)  
and related electrical wiring.  
Concave and radiating pedal keyboard  
Organ bench with music shelf  
Music rack light  
Pedal light



PIPE ANALYSIS

| STOP | PITCH | PIPES | SCALE | HALVING | MOUTH | METAL | WIND PRESSURE |
|------|-------|-------|-------|---------|-------|-------|---------------|
|------|-------|-------|-------|---------|-------|-------|---------------|

GREAT ORGAN

|           |        |     |                                                    |                   |                |                           |        |
|-----------|--------|-----|----------------------------------------------------|-------------------|----------------|---------------------------|--------|
| Bourdon   | 16     | 92  | CCC to BBB Reg. Manual Bourdon                     |                   |                | Wood                      |        |
|           |        |     | <del>56</del>                                      | <del>20-1/2</del> | <del>2/9</del> | <del>17 Zinc S.M. )</del> | 3-1/2" |
|           |        |     | <i>cc. to B.B. Reg. Artiste tapered brass wood</i> |                   |                |                           |        |
| Principal | 8      | 80  | CC 52 TC 60                                        | 18-1/2            | 1/4            | 17 Zinc S.M. )            | 3-1/2" |
|           |        |     | <i>TC up Reg. Artiste wreath wood S.M.</i>         |                   |                |                           |        |
| Mixture   | II-III | 126 | See Formula Below                                  |                   |                | S.M.                      | 3-1/2" |

SWELL ORGAN

|                  |    |     |          |                       |     |                           |        |
|------------------|----|-----|----------|-----------------------|-----|---------------------------|--------|
| Rohrflöte        | 8  | 73  | 56       | 21-1/2                | 2/9 | SM O.S. Chimneys(#19-#62) |        |
|                  |    |     |          |                       |     | 18 Zinc & S.M.            | 3-1/2" |
| Gemshorn         | 8  | 80  | CC 54    | 17-1/2                | 1/4 |                           |        |
|                  |    |     | C 66-1/3 | 17-1/2                | 1/4 | 17 Zinc S.M.              | 3-1/2" |
|                  |    | #56 | 102-2/3  | 18-1/2                | 2/9 |                           |        |
| Spitzprincipal   | 4  | 73  | 60-2/3   | 18-1/2                | 1/4 | 5 Zinc S.M.               | 3-1/2" |
| Contre Trompette | 16 | 80  | 2-1/2    | CCC to FF half length |     | D(F) Eschallots           | 3-1/2" |
|                  |    |     |          | FF# up full length    |     | Zinc & S.M.               |        |

## GREAT II-III MIXTURE FORMULA

|        |        |        |           |       |
|--------|--------|--------|-----------|-------|
| 19     | 12     | 12     | 12        | 15    |
| 22     | 19     | 19     |           |       |
|        | 22     |        |           |       |
| 1-32   | 33-46  | 47-51  | 52-56     | 57-61 |
| Unison | 48 Sc. | 17-1/2 | 1/4 mouth | S.M.  |
| Quint  | 49 Sc. | 17-1/2 | 1/4 mouth | S.M.  |