

AR SERIES ORGAN  
 EARMARK FOR  
 #11129 FIRST UNITED PRESBYTERIAN CHURCH, IRON MOUNTAIN - KINGSFORD, MICHIGAN  
 SPECIFICATIONS FOR A SERIES 70-7A ORGAN

2/9

GENERAL

(1) ORGAN

|               |                                    |
|---------------|------------------------------------|
| Great Organ   | Standard design                    |
| Swell Organ   | Standard design                    |
|               | Layout will be supplied            |
| Wood & Finish | Rift Sawn Oak to customer's sample |
| Action        | Electro-Pneumatic (unit type)      |
| Wind Pressure | See Pipe Analysis                  |
| Pitch         | A-440 @ 70°F                       |

(2) CONSOLE

|                |                                    |
|----------------|------------------------------------|
| Cabinet        | Standard design, <i>revised</i>    |
| 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 below 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 - 120 Volts - 7.2 Amperes              |
| Overall Size          | 2' - 5-3/4" long x 1' - 10-3/8" wide x 2' - 6" high |

(4) POWER UNIT (located in console)

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Rating                | DC Output - 10-15 Volts - 30 Amperes                            |
| Current Specification | AC Input - 1 Ph - 60 Cy - 110 <sup>120</sup> Volts - 10 Amperes |
| Overall Size          | 14-1/2" long, 10-3/4" wide, 7" high                             |

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CONSOLE AND ORGAN

GREAT ORGAN

|    |        |                             |           |
|----|--------|-----------------------------|-----------|
| 1  | 16     | Bourdon.....                | 92 pipes  |
| 2  | 8      | Principal.....              | 80 pipes  |
| 3  | 8      | Gedeckt.....from #1 .....   | 61 notes  |
| 4  | 8      | Gemshorn.....from #13 ..... | 61 notes  |
| 5  | 4      | Octave.....from #2 .....    | 61 notes  |
| 6  | 4      | Gedeckt .....               | 61 notes  |
| 7  | 2      | Super Octave .....          | 61 notes  |
| 8  | 2      | Flute .....                 | 61 notes  |
| 9  | II-III | Mixture .....               | 126 pipes |
| 10 | 8      | Trompette .....             | 61 notes  |
| 11 |        | Tremolo                     |           |

SWELL ORGAN

|    |       |                                                 |          |
|----|-------|-------------------------------------------------|----------|
| 12 | 8     | Rohrflöte.....                                  | 73 pipes |
| 13 | 8     | Gemshorn .....                                  | 80 pipes |
| 14 | 4     | Spitzprinzipal .....                            | 73 pipes |
| 15 | 4     | Rohrflöte.....from #12.....                     | 61 notes |
| 16 | 2     | Spitzoctav.....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   | Octave .....                  | 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

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4-5

Affecting Full Organ, beneath Swell center

PEDAL MOVEMENTS

Balanced Expression Pedal - Great Organ (8 stage, reverse system)  
 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, 4" shelf~~  
 Pedal light

*Solid wood music rack with cut out corners*  
*Music rack light, M.P.M. type, with 4" shelf*

PIPE ANALYSIS

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

GREAT ORGAN

|           |        |     |                                    |        |     |              |                        |
|-----------|--------|-----|------------------------------------|--------|-----|--------------|------------------------|
| Bourdon   | 16     | 92  | CCC to BBB Reg. Manual Bourdon     |        |     | Wood         | <del>1-16</del> 4 1/2" |
|           |        |     | CC to BB Reg. Artiste Tapered Bass |        |     | Wood         | <del>17</del> 3-1/2"   |
|           |        |     | TC & up Reg. Artiste Treble        |        |     | Wood & S.M.  |                        |
| Principal | 8      | 80  | CC 52 TC 60                        | 18-1/2 | 1/4 | 17 Zinc S.M. | <del>1-12</del> 4 1/2" |
|           |        |     |                                    |        |     |              | <del>13</del> 3-1/2"   |
| Trombone  | II-III | 126 | See Formula Below                  |        |     | S.M.         | 3-1/2"                 |

SWELL ORGAN

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

GREAT II-III MIXTURE FORMULA

|        |        |        |           |       |       |
|--------|--------|--------|-----------|-------|-------|
|        | 19     | 12     | 12        | 12    | 15    |
|        | 22     | 19     | 19        |       |       |
|        |        | 22     |           |       |       |
|        | 1-37   | 38-49  | 50-53     | 54-56 | 57-61 |
| Unison | 47 Sc. | 17-1/2 | 1/4 mouth | S.M.  |       |
| Quint  | 49 Sc. | 17-1/2 | 1/4 mouth | S.M.  |       |