

AR SERIES ORGAN  
 HARMARK FOR  
 #11208, FENTON UNITED METHODIST CHURCH, FENTON, MICHIGAN  
 SPECIFICATIONS FOR A SERIES 70-9B ORGAN

2/6/12

GENERAL

(1) ORGAN

|               |                                               |
|---------------|-----------------------------------------------|
| Great Organ   | Exposed and Divided, provide special paneling |
| Swell Organ   | Standard Design without grille                |
|               | Layout will be supplied                       |
| Wood & Finish |                                               |
| Great Organ   | Rift Sawn Oak to customer's sample            |
| Swell Organ   | Silvite, Dull charcoal brown                  |
| Action        | Electro-Pneumatic                             |
| Wind Pressure | See Pipe Analysis                             |
| 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 (two required located in organ spaces)

|                       |                                                                |
|-----------------------|----------------------------------------------------------------|
| Type                  | <i>St. &amp; Sw.</i> 2-P-1716 1/2 1750                         |
| Rating                | <i>St. &amp; Ped.</i> 2-P-1716 - 1/2 HP - 1750 RPM - 4" outlet |
| Current Specification | <i>Sw. &amp; Ped.</i> <del>500</del> c.f.m. @ 4"               |
| Overall Size          | <i>St. &amp; Ped.</i> 1 Ph - 60 Cy - 120 Volts - 7.2 Amperes   |
|                       | <i>St. &amp; Sw.</i> 2' - 3-1/2" x 1' - 8" x 2' - 1-1/8"       |
|                       | 2' - 5 3/4" x 1' - 10 3/8" x 2' - 6 1/4" H.                    |

(4) POWER UNIT (located in console)

|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Rating                | DC Output - 10-15 Volts - 30 Amperes            |
| Current Specification | AC Input: 1 Ph - 60 Cy - 120 Volts - 10 Amperes |
| Overall Size          | 14-1/2" x 10-3/4" x 7" high                     |

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CONSOLE AND ORGAN

GREAT ORGAN (Exposed and Divided)

|   |    |                   |                   |
|---|----|-------------------|-------------------|
| 1 | 16 | Bourdon           | 97 pipes          |
| 2 | 8  | Principal         | 73 pipes          |
| 3 | 8  | Gedeckt           | from #1 61 notes  |
| 4 | 8  | Salicional        | from #13 61 notes |
| 5 | 4  | Octave            | from #2 61 notes  |
| 6 | 4  | Gedeckt           | from #1 61 notes  |
| 7 | 2  | Flute             | from #1 61 notes  |
| 8 | II | Sesquialtera T.C. | 98 pipes          |



GREAT ORGAN

(continued)

|    |        |         |                                |
|----|--------|---------|--------------------------------|
| 9  | III-IV | Mixture |                                |
| 10 |        | Chimes  | (prepared for in console only) |
| 11 |        | Tremolo |                                |

SWELL ORGAN (Enclosed)

|    |       |                   |                     |
|----|-------|-------------------|---------------------|
| 12 | 8     | Rohrflöte         |                     |
| 13 | 8     | Salicional        |                     |
| 14 | 8     | Voix Celeste T.C. |                     |
| 15 | 4     | Spitzprincipal    |                     |
| 16 | 4     | Rohrflöte         | from #12            |
| 17 | 2     | Spitzoctave       | from #15            |
| 18 | 1-1/3 | Larigot           | from #13            |
| 19 | 16    | Contre Trompette  | repeat 12 top notes |
| 20 | 8     | Trompette         | from #19            |
| 21 | 4     | Clairon           | from #19            |
| 22 |       | Tremolo           | repeat 5 top notes  |

PEDAL ORGAN

|    |     |                  |                        |
|----|-----|------------------|------------------------|
| 23 | 16  | Contrebass       | -12 pipes, 20 from #2- |
| 24 | 16  | Bourdon          | from #1                |
| 25 | 8   | Principal        | from #2                |
| 26 | 8   | Gedeckt          | from #1                |
| 27 | 8   | Salicional       | from #13               |
| 28 | 4   | Octave           | from #2                |
| 29 | 4   | Rohrflöte        | from #12               |
| 30 | III | Mixture          | from #9                |
| 31 | 16  | Contre Trompette | from #19               |
| 32 | 8   | Trompette        | from #19               |
| 33 | 4   | Clairon          | from #19               |

COUPLERS

34 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4

Affecting Full Organ ( 3 &amp; 4 duplicate toe levers)

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 contacts, reverse system)

Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

Motors and power unit on-off switch (lock type) with indicator light (red jewel)  
 Concave, radiating pedal claviers  
 Organ bench with music shelf  
 Music rack  
 Music rack light  
 Pedal light  
 Two extra series 70 standard grilles



PIPE ANALYSIS

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

GREAT ORGAN

|                 |     |     |                                                                                                 |        |     |                                  |        |
|-----------------|-----|-----|-------------------------------------------------------------------------------------------------|--------|-----|----------------------------------|--------|
| Bourdon         | 16  | 97  | CCC to BBB Reg. Manual Bourdon<br>CC to BB Reg. Artiste Taper Bass<br>TC up Reg. Artiste Treble |        |     | Wood )<br>Wood )<br>Wood & S.M.) | 3-1/2" |
| Principal       | 8   | 73  | 48                                                                                              | 18-1/2 | 1/4 | 17 Zinc S.M.)                    | 3-1/2" |
| Mixture         | III | 183 | See Formula Below                                                                               |        |     |                                  | 3-1/2" |
| Sesquialtera TC | II  | 98  | See Formula Below                                                                               |        |     |                                  | 3-1/2" |

SWELL ORGAN

|                   |    |    |                                                                       |                            |                   |                                           |        |
|-------------------|----|----|-----------------------------------------------------------------------|----------------------------|-------------------|-------------------------------------------|--------|
| Rohrflote         | 8  | 73 | 56                                                                    | 21-1/2                     | 2/9               | Sm O.S. Chimneys<br>19-62<br>18 Zinc S.M. | 3-1/2" |
| Salicional        | 8  | 80 | CC 56<br>C 68 <del>56</del><br>#56 98                                 | 19-1/2<br>19-1/2<br>17-1/2 | 2/9<br>2/9<br>1/6 | 17 Zinc S.M.                              | 3-1/2" |
| Voix Celeste T.C. | 8  | 49 | 58- <del>56</del> @ 8' CC                                             | 19-1/2                     | 2/9               | 5 Zinc S.M.                               | 3-1/2" |
| Spitzprincipal    | 4  | 73 | 60-2/3                                                                | 18-1/2                     | 1/4               | 5 Zinc G.M                                | 3-1/2" |
| Contre Trompette  | 16 | 80 | 2-1/2" CCC to FF half length<br>FF# up full length<br>D(F) Eschallots |                            |                   | Zinc & S.M.                               | 3-1/2" |

PEDAL ORGAN

|            |    |    |    |        |     |      |        |
|------------|----|----|----|--------|-----|------|--------|
| Contrebaas | 16 | 12 | 36 | 18-1/2 | 1/4 | Zinc | 3-1/2" |
|------------|----|----|----|--------|-----|------|--------|

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GREAT III-IV MIXTURE FORMULA

|      |       |       |       |       |
|------|-------|-------|-------|-------|
| 15   | 12    | 12    | 12    | 12    |
| 19   | 15    | 15    | 15    |       |
| 22   | 19    | 19    |       |       |
|      | 22    |       |       |       |
| 1-37 | 38-49 | 50-54 | 55-56 | 57-61 |

|        |        |        |                |
|--------|--------|--------|----------------|
| Unison | 47 Sc. | 17-1/2 | 1/4 mouth S.M. |
| Quint  | 49 Sc. | 17-1/2 | 1/4 mouth S.M. |

GREAT II SESQUIALTERA TC FORMULA

|                    |        |           |      |          |
|--------------------|--------|-----------|------|----------|
| 12                 | 10     |           |      |          |
| 17                 | 12     |           |      |          |
| 13-56              | 57-61  |           |      |          |
| 2-2/3 74 Sc. @ #13 | 17-1/2 | 2/9 mouth | S.M. | HW/mr    |
| 1-3/5 82 Sc. @ #13 | 17-1/2 | 1/5 mouth | S.M. | 12-15-76 |