

*PMD*

AR SERIES ORGAN  
EARMARK FOR  
11293, ST. PAUL PRESBYTERIAN CHURCH, HOUSTON, TEXAS

2/11

SPECIFICATIONS OF SERIES 70-8B ORGAN

GENERAL

(1) ORGAN

Cabinets (Two (2) Required)  
Wood & Finish  
Action  
Wind Pressure  
Pitch

Standard Design  
Rift Sawn Oak, M-4150-2  
Electro-Pneumatic  
See Pipe Analysis  
A-440 @ 70°F

(2) CONSOLE

Cabinet  
Wood & Finish  
Manuals  
Manual Compass  
Pedal Compass  
Stop Controls  
Action

Standard Design  
Rift Sawn Oak, M-4150-2  
Two and Pedal  
CC to C4, 61 notes  
CCC to G, 32 notes  
Tilting Tablets  
All Electric

(3) BLOWER (mounted in organ space)

Type  
Wind  
Current Specification  
Overall Size

2-P-2116 - 1/2 HP - 1750 RPM - 6" outlet  
400 c.f.m. @ 4"  
1 Ph - 60 Cy - 120 Volts - 7.2 Amperes  
2' - 5-3/4" x 1' - 10-3/8" x 2' - 6-1/4" high

(4) POWER UNIT (located in console)

Rating  
Current Specification  
Overall Size

DC Output 10-15 Volts, 30 Amperes  
1 Ph - 60 Cy - 110 Volts - 10 Amperes  
14-1/2"L x 10-3/4" W x 7" high

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CONSOLE AND ORGAN

GREAT ORGAN (Enclosed)

|    |        |                                       |           |
|----|--------|---------------------------------------|-----------|
| 1  | 16     | Bourdon-----                          | 97 pipes  |
| 2  | 8      | Principal -----                       | 73 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 -----from #1-----             | 61 notes  |
| 7  | 2      | Flute -----from #1-----               | 61 notes  |
| 8  | III-IV | Mixture -----                         | 183 pipes |
| 9  | 4      | Trichter Regal -----                  | 61 pipes  |
| 10 |        | Chimes (prepared for in console only) |           |
| 11 |        | Tremolo                               |           |

SWELL ORGAN (Enclosed)

|    |       |                                                  |          |
|----|-------|--------------------------------------------------|----------|
| 12 | 8     | Spitzflote -----#1-#12 from #13-----             | 73 pipes |
| 13 | 8     | Gemshorn -----                                   | 85 pipes |
| 14 | 8     | Gemshorn Celeste TC -----                        | 49 pipes |
| 15 | 4     | Spitzflote -----from #12-----                    | 61 notes |
| 16 | 2     | Spitzflote -----from #12-----                    | 61 notes |
| 17 | 1-1/3 | Larigot -----from #13--(repeat 7 top notes)----- | 61 notes |
| 18 | 16    | Contre Trompette -----                           | 85 pipes |
| 19 | 8     | Trompette -----from #18 -----                    | 61 notes |
| 20 | 4     | Clairon-----from #18 -----                       | 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   | Spitzflote -----from #12 -----     | 32 notes |
| 28 | III | Mixture -----from #3-----          | 32 notes |
| 29 | 16  | Contre Trompette-----from #18----- | 32 notes |
| 30 | 8   | Trompette-----from #18 -----       | 32 notes |
| 31 | 4   | Trichter Regal-----from #9 -----   | 32 notes |

COUPLER

32 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2-3-4

Affecting Full Organ

PEDAL MOVEMENTS

Balanced Expression Pedal - Great Organ (8 stages, reverse system)

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

Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

Motors and power unit on-off switch (lock type) with indicator light (amber jewel)  
and related electrical wiring.

Concave and radiating pedal keyboard

Organ bench with music shelf

Rigid music rack

Music rack light

Pedal light

PIPE ANALYSIS

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

GREAT ORGAN

|                |     |     |                                                 |                         |                 |  |        |
|----------------|-----|-----|-------------------------------------------------|-------------------------|-----------------|--|--------|
| Bourdon        | 16  | 97  | CCC to BBB Reg. Manual Bourdon                  | Wood                    | )               |  |        |
|                |     |     | CC to BB Reg. Artiste Tapered Bass              | Wood                    | )               |  | 3-1/2" |
|                |     |     | TC <del>up</del> Reg. Artiste <del>Treble</del> | <del>Wood</del> & S.M.) |                 |  |        |
|                |     |     | 68 20 1/2 2/9                                   | 5 ZINC                  |                 |  |        |
| Principal      | 8   | 73  | CC 52 TC 60 18-1/2                              | 1/4                     | 17 Zinc S.M.)   |  | 3-1/2" |
| Mixture        | III | 183 | See Formula Below                               |                         |                 |  | 3-1/2" |
| Trichter Regal | 4   | 61  | 2-1/2" Brass Tube Funnel Top                    |                         | D(F) Eschallots |  | 3-1/2" |

SWELL ORGAN

|                  |      |    |                              |        |     |                 |        |
|------------------|------|----|------------------------------|--------|-----|-----------------|--------|
| Spitzflote       | 8 TC | 73 | 60-2/3 @ 4' C                | 19-1/2 | 1/5 | 5 Zinc C.M.     | 3-1/2" |
| Gemshorn         | 8    | 85 | CC 56                        | 19-1/2 | 2/9 |                 |        |
|                  |      |    | C 68-1/3                     | 19-1/2 | 2/9 | 17 Zinc S.M.    | 3-1/2" |
|                  |      |    | #56 98                       | 17-1/2 | 1/6 |                 |        |
| Gemshorn Celeste | 8 TC | 49 | 56-1/3 @ 8' CC               | 19-1/2 | 1/6 | 5 Zinc S.M.     | 3-1/2" |
| Contre Trompette | 16   | 85 | 2-1/2" CCC to FF half length |        |     | D(F) Eschallots |        |
|                  |      |    | FF# up full length           |        |     | Zinc & S.M.     | 3-1/2" |

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.  |       |