

AR SERIES ORGAN

EARMARK FOR

#11649 - CHRIST EVANGELICAL LUTHERAN CHURCH, MILTON, PENNSYLVANIA

SPECIFICATIONS FOR SERIES 80-10+ ORGAN

TO BE COMPLETED - APRIL 22, 1984

2/13

GENERAL

) ORGAN

Great & Pedal Organs	Exposed, provide enclosures
Swell Organ	Standard Design
Wood & Finish	Rift Sawn Oak, to customer's sample
Action	Electro-Pneumatic (unit type)
Wind Pressure	See Pipe Analysis
Pitch	A-440 @ 70°F

) CONSOLE

Cabinet	Standard Design
Wood & Finish	Rift Sawn Oak, to customer's sample
Manuals	Two and Pedal (4 oz. touch)
Manual Compass	CC to C4, 61 notes
Pedal Compass	CCC to G, 32 notes
Stop & Coupler Controls	Draw Knobs
Action	All Electric with under-key contacts

) BLOWER (Mounted below Swell Organ Cabinet)

Type	2-P-2118 - 3/4 H.P. - 1750 RPM
Wind	500 c.f.m. @ 4" - 8" outlet
Current Specification	3 Ph - 60 Cycles ²⁰⁸ 240 Volts - ^{2.7} 5.2 Amperes
Overall Size	2'-9-3/4" x 1' - 10-3/8" x 2' - 6-1/4" high

) POWER UNIT (mounted below Swell Organ Cabinet)

Rating	DC Output: 10-15 Volts - 30 Amperes
AC Input	1 Phase - 60 Cycles - 120 Volts - 10 Amperes
Overall Size	16-3/4" long x 11" wide x 7-1/4" high

CONSOLE AND ORGAN

GREAT ORGAN (Exposed)

8	Principal -----	80 pipes
8	Gedeckt -----	80 pipes
8	Gemshorn -----from #12-----	61 notes
4	Octave -----	61 pipes
4	Gedeckt -----from #2-----	61 notes
2	Super Octave-----from #1--(repeat 5 top notes)-----	61 notes
2	Flute -----from #2--(repeat 5 top notes)-----	61 notes
III-IV Pks.	Mixture -----	208 pipes
	Chimes----Mayland tubes and electric action, relay, transformer and volume control, A to F, #22 to 42-----	21 tubes
	Tremolo	

SWELL ORGAN

8	Rohrflöte-----	73 pipes
8	Gemshorn -----	80 pipes
8	Gemshorn Celeste TC -----	49 pipes
4	Spitzprincipal-----	73 pipes
4	Rohrflöte-----from #11 -----	61 notes
2	Spitzoctave-----from #14-----	61 notes
1-1/3	Larigot-----from #12--(repeat top octave)-----	61 notes
1	Klein Octave-----from #14--(repeat top octave)-----	61 notes
16	Contre Trompette-----	80 pipes
8	Trompette-----from #19-----	61 notes
4	Clairon -----from #19-----	61 notes
	Tremolo	

PEDAL ORGAN

32	Untersatz-----See wiring schematic-----	32 notes
16	Principal-----	80 pipes
16	Bourdon-----12 pipes, 20 from #2-----	32 notes
8	Principal-----from #24 -----	32 notes
8	Rohrflöte-----from #11 -----	32 notes
4	Octave-----from #24-----	32 notes
4	Gedeckt-----from #2-----	32 notes
III Rks.	Mixture-----from #24-----	32 notes
32	Trompette Cornet-----See wiring schematic-----	32 notes
16	Contre Trompette-----from #19-----	32 notes
4	Clairon -----from #19-----	32 notes

COUPLERS

Great to Pedal
Swell to Pedal
Swell to Great

ADJUSTABLE COMBINATIONS

istons No. 1-2-3-4
istons No. 1-2-3-4
oe Studs No. 1-2-3-4
istons No. 1-2-3-4-5-6
eneral Cancel

Affecting Great
Affecting Swell
Affecting Pedal
Affecting Full Organ (duplicated by toe studs)

PEDAL MOVEMENTS

balanced Expression Pedal - Swell Organ (8 contacts, make to close)
balanced Crescendo Pedal with indicator light (green jewel)
utti, Reversible with indicator light (red jewel) - duplicated by manual piston

ACCESSORIES

oncave, radiating pedal clavier
rgan bench with music shelf
ransparent music rack with light
edal light
otor and power unit on-off switch (lock type) with indicator light (amber jewel) and
related electrical wiring.

PIPE ANALYSIS

STOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	WIND PRESSURE
GREAT ORGAN (Exposed)							
Gedeckt	8	80	CC 56	21-1/2	2/9	17 Zinc C.M.	#1-4 4-1/2" #5 up 3-1/2"
Principal	8	80	45	17-1/2	1/4	19 Zinc S.M.	#1-12 4-1/2" #13 up 3-1/2"
Octave	4	61	58	18-1/2	1/4	7 Zinc S.M.	3-1/2"
Mixture	III-IV	208	See Formula Below				3-1/2"
SWELL ORGAN							
Rohrflöte	8	73	56	21-1/2	2/9	18 Zinc C.M. Sm. I.S. Chimneys #19-62 Pull in 8 scales between #62 & 73	3-1/2"
Gemshorn	8	80	CC 56 C 68-1/2 #56 98	19-1/2 19-1/2 17-1/2	2/9 2/9 1/6	17 Zinc S.M.	3-1/2"
Gemshorn Celeste TC	8	49	56-1/2 @ CC	19-1/2	2/9	5 Zinc S.M.	3-1/2"
Spitzprincipal	4	73	60-2/3	18-1/2	1/4	7 Zinc C.M.	3-1/2"
Contre Trompette	16	80	3" CCC to FF half length FF# up full length			D(F) Eschallots Zinc & S.M.	3-1/2"
PEDAL ORGAN							
Principal	16	80	33/43/56/69/82/95	17-1/2	1/4	29 Zinc S.M.	#1-17 4-1/2" #18 up 3-1/2"
Bourdon	16	12	Reg. Man. Bdn.			Wood	4-1/2"

TOP	PITCH	PIPES	SCALE	HALVING	MOUTH	REMARKS	WIND PRESSURE
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GREAT III-IV MIXTURE FORMULA

22	19	15	12	12	12
26	22	19	15	15	15
29	26	22	19	19	
	29	26	22		
1-17	18-29	30-36	37-49	50-54	55-61

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

32 Untersatz Wiring

Notes #1-12 plays Pedal 16 Bourdon #1-12
 Notes #1-12 plays Pedal 16 Bourdon #9-12 & Great 8 Gedeckt #1-8
 Notes #13-32 plays Pedal 16 Bourdon #1-12 & Great 8 Gedeckt #1-8

32 Trompette Cornet Wiring

6-2/5 notes #1-12 plays Swell 8 Rohrflote #5-16
 4-4/7 notes #1-12 plays Swell 8 Rohrflote #11-22
 3-5/9 notes #1-12 plays Swell 8 Rohrflote #15-26
 notes #13-32 plays Swell 16 Contre Trompette #1-20

AEN/mr
 1/18/84

III Pedal Mixture wiring

2 15th - notes #1-32 plays Pedal 16 Principal-#37-68
 1-1/3 19th - notes #1-32 plays Pedal 16 Principal - #44-75
 1 22nd - notes #1-32 plays Pedal 16 Principal - #49-80