

The Klais Organ

Grosse Pointe Memorial Church

Grosse Pointe Farms, Michigan

Builder: Johannes Klais Orgelbau, Bonn, Germany

Design: William De Turk, Hans Gerd Klais, and Dietmar Schmitz

Voicing and Engineering: Christoph W. Linde

1989, III manuals, 48 stops, 66 ranks, 3,636 pipes

Equal temperament, modern winding

Mechanical action: manuals and pedals

Electric action: 32' stops, Dahling Trumpet, and Swell coupling

I. POSITIV C-c4 (enclosed; 2.8" pressure)

Gedackt 8'	12 mahogany, 49 of 40% tin	61 pipes
Salicional 8'	(C-B: Gedackt), 49 of 62% tin	49 pipes
Principal 4'	façade: 75% tin	61 pipes
Rohrflöte 4'	20% tin	61 pipes
Octave 2'	75% tin	61 pipes
Larigot 1 1/3'	62% tin	61 pipes
Sesquialter II 2 2/3'	62% tin	122 pipes
Scharff V 1'	75% tin	305 pipes
Holzdulcian 16'	mahogany	61 pipes
Cromorne 8'	62% tin; flues: 2 ranks	69 pipes
Tremolo		
Dahling Trumpet 8'	(GREAT)	

II. GREAT C-c4 (3.2" pressure)

Bourdon 16'	24 mahogany, 37 of 20% tin	61 pipes
Principal 8'	façade: 75% tin	61 pipes
Rohrflöte 8'	12 mahogany, 49 of 20% tin	61 pipes
Flûte harmonique 8'	12 mahogany, 49 of 40% tin	61 pipes
Octave 4'	75% tin	61 pipes
Blockflöte 4'	40% tin	61 pipes
Quinte 2 2/3'	62% tin	61 pipes
Superoctave 2'	75% tin	61 pipes
Cornet IV 4'	tenor g; mounted, 40% tin	148 pipes
Mixtur V-VI 1 1/3'	75% tin	316 pipes
Trompete 8'	60% tin; flues: 3 ranks	73 pipes
Dahling Trumpet 8'	copper, en chamade; flues: 3 ranks (6.4" pressure)	77 pipes

III. RECIT C-c4 (enclosed; 3.4" pressure)

Bourdon 8'	12 mahogany, 49 of 40% tin	61 pipes
Gambe 8'	62% tin	61 pipes
Voix céleste 8'	62% tin	61 pipes
Préstant 4'	62% tin	61 pipes
Flûte octaviante 4'	40% tin	61 pipes
Nazard 2 2/3'	40% tin	61 pipes
Quarte de Nazard 2'	40% tin	61 pipes
Tierce 1 3/5'	62% tin	61 pipes
Sifflet 1'	75% tin	61 pipes
Plein jeu V 2'	75% tin	305 pipes
Basson 16'	60% tin	61 pipes
Trompette harmonique 8'	60% tin; flues: 3 ranks	73 pipes
Hautbois 8'	60% tin; flues: 2 ranks	69 pipes
Voix humaine 8'	40% tin; flues: 2 ranks	68 pipes
Clairon 4'	75% tin; flues: 3 ranks	90 pipes
Tremolo		

PEDAL C-g1 (3.8" pressure)

Untersatz 32'	redwood	12 pipes
Principal 16'	mahogany	32 pipes
Subbass 16'	redwood	32 pipes
Octave 8'	62% tin	32 pipes
Spielflöte 8'	40% tin	32 pipes
Tenoroctave 4'	62% tin	32 pipes
Rauschpfeife IV 2 2/3'	62% tin	128 pipes
Contraposaune 32'	mahogany	12 pipes
Posaune 16'	mahogany	32 pipes
Fagott 16'	50% tin	32 pipes
Trompette 8'	60% tin	32 pipes
Dahling Trumpet 8'	(GREAT)	

COUPLERS

Swell to Great 16', 8', 4'	(electric)
Swell to Positive 8'	(electric)
Swell to Pedal 8', 4'	(electric)
Positive to Great 8'	(mechanical)
Positive to Pedal 8'	(mechanical)
Great to Pedal 8'	(mechanical)

Zimbelstern: 8 bells, wind-driven