



Great Division – 18 Ranks; Unenclosed except where noted

16'	Violone	<i>enclosed</i>	61 pipes	
16'	Double Dulciana		61 pipes	
8'	1 st Open Diapason	<i>enclosed</i>	61 pipes	
8'	2 nd Open Diapason		73 pipes	
8'	Violoncello	<i>enclosed</i>	24 pipes	<i>extension of 16' Violone</i>
8'	'Cello Celeste TC	<i>enclosed</i>	61 pipes	
8'	Harmonic Flute	<i>enclosed</i>	61 pipes	
8'	Stopped Flute		61 pipes	
8'	Dulciana		12 pipes	<i>ext. 16' Double Dulciana</i>
8'	Dolcan	<i>enclosed</i>	73 pipes	
8'	Dolcan Celeste TC	<i>enclosed</i>	61 pipes	
4'	Principal	<i>enclosed</i>	12 pipes	<i>ext. 8' 1st Open Diapason</i>
4'	Octave		61 pipes	
4'	Open Flute		12 pipes	<i>ext. 8' Stopped Flute</i>
4'	Octave Dulciana		24 pipes	<i>ext. 16' Double Dulciana</i>
2 2/3'	Twelfth		61 pipes	
2'	Fifteenth		61 pipes	
IV	Chorus Mixture		244 pipes	
IV	Harmonia Ætheria			<i>from Dulciana Choir</i>
8'	Pontifical Tuba			
8'	Tromba	<i>enclosed</i>	61 pipes	
8'	English Horn	<i>enclosed</i>	61 pipes	
4'	Tromba Clarion	<i>enclosed</i>	12 pipes	<i>ext. 8' Tromba Choir</i>
	Chimes			
	Tremolo			

Swell Division – 18 Ranks; Enclosed

16'	Minor Bourdon		61 pipes	
8'	Horn Diapason		73 pipes	
8'	Second Diapason			<i>from 4' Oct. Diapason</i>
8'	Stopped Diapason		12 pipes	<i>ext. 16' Minor Bourdon</i>
8'	Salicional*		85 pipes	
8'	Voix Celeste TC*		61 pipes	
4'	Octave Diapason		61 pipes	
4'	Harmonic Flute		61 pipes	
4'	Violina*		61 pipes	
4'	Violina Celeste*		61 pipes	
2 2/3'	Flute Twelfth		19 pipes	<i>ext. 16' Minor Bourdon</i>
2'	Harmonic Piccolo		12 pipes	<i>ext. 4' Harmonic Flute</i>
1 1/3'	Tierce TC		37 pipes	
V	Full Mixture		305 pipes	
IV	String Mixture*			<i>from 8' Salicional</i>
16'	Double Waldhorn *		61 pipes	
16'	Bassoon*			<i>from 8' Oboe</i>
8'	Cornoepan*		61 pipes	
8'	Waldhorn*		12 pipes	<i>ext. 16' Dbl. Waldhorn</i>
8'	Oboe*		61 pipes	
8'	Vox Humana*		61 pipes	
4'	Clarion		12 pipes	<i>ext. 16' Dbl. Waldhorn</i>
	Tremolo			

*Double expression

Choir Division – 11 Ranks; Enclosed

8'	Violin Diapason		73 pipes	
8'	Harmonic Flute			<i>Great</i>
8'	Chant Flute		73 pipes	
8'	Bois Celeste TC		61 pipes	
8'	Viole		61 pipes	
8'	Viole Celeste TC		61 pipes	
4'	Octave		61 pipes	
4'	Magic Flute		61 pipes	
2 2/3'	Twelfth		19 pipes	<i>ext. 8' Viole</i>
2'	Fifteenth		5 pipes	<i>ext. 8' Viole</i>
2'	Recorder		12 pipes	<i>ext. 4' Magic Flute</i>
1 1/2'	Seventeenth		61 pipes	
1'	Fife			<i>from 4' Magic Flute</i>
IV	Mixture			<i>from 8' Viole</i>
8'	Oboe Horn		73 pipes	
8'	Clarinet		62 pipes	
4'	Clarinet		12 pipes	<i>ext. 8' Clarinet</i>
8'	Pontifical Tuba*		61 pipes	
8'	Tromba			<i>Great (enclosed)</i>
4'	Tuba Clarion*		12 pipes	<i>ext. 8' Pontifical Tuba</i>
4'	Tromba Clarion			<i>Great (enclosed)</i>
	Chimes		21 tubular bells	
	Tremolo			

*Double expression

Pedal Division – 2 ranks; Unenclosed except where noted

32'	Double Major Bass			<i>resultant</i>
32'	Acoustic Bourdon			<i>resultant</i>
16'	Major Bass		32 pipes	
16'	Open Diapason	<i>enclosed</i>	12 pipes	<i>ext. Great 8' 1st Open Diapason</i>
16'	Violone	<i>enclosed</i>		<i>Great</i>
16'	Bourdon		12 pipes	<i>ext. Great 8' Stopped Flute</i>
16'	Minor Bourdon	<i>enclosed</i>		<i>Swell</i>
16'	Double Dulciana			<i>Great</i>
10 2/3'	Dolce Quint			<i>Great 16' Double Dulciana</i>
8'	Octave Wood		12 pipes	<i>ext. 16' Major Bass</i>
8'	Principal		32 pipes	
8'	Stopped Flute			<i>Great</i>
8'	Violoncello	<i>enclosed</i>		<i>Great</i>
4'	Fifteenth			<i>from Great 8' 2nd Open Diapason</i>
4'	Major Flute		12 pipes	<i>ext. 16' Major Bass</i>
32'	Double Trombone	<i>enclosed</i>		<i>digital ext. 16' Trombone</i>
16'	Trombone	<i>enclosed</i>	12 pipes	<i>ext. Great 8' Tromba</i>
16'	Double Waldhorn	<i>enclosed</i>		<i>Swell</i>
8'	Pontifical Tuba	<i>enclosed</i>		<i>Choir</i>
8'	Tromba	<i>enclosed</i>		<i>Great</i>
8'	Clarinet	<i>enclosed</i>		<i>Great</i>
4'	Clarion	<i>enclosed</i>		<i>Great</i>
4'	English Horn	<i>enclosed</i>		<i>Choir</i>

Wind Pressures

- 5" Unenclosed Great; Swell Flues, Oboe Horn & Clarinet; Pedal Bourdon & Principal
- 7" Great enclosed Flues; Swell Reeds; Pedal Major Bass/Octave Wood/Major Flute
- 10" Great enclosed Reeds; Pedal Open Diapason & Trombone
- 17" Pontifical Tuba