

**ASTA DOOR CORPORATION**  
**203 SERIES WINDLOAD REFERENCE CHART - 18' Maximum Opening Heights**  
**(MOUNTING TO STEEL, CONCRETE AND POURED CMU)**  
**WINDLOAD RATED DOORS (+/- PSF)**

		FL #8888						FL #16191			
		STANDARD WINDLOAD RATED						STANDARD WINDLOAD RATED			
		203	203	204	204			203M	203M	204M	204M
		(+)	(-)	(+)	(-)			(+)	(-)	(+)	(-)
WIDTH		WINDLOAD RATED TO CONCRETE & STEEL ONLY				WIDTH		WINDLOAD RATED TO CONCRETE & STEEL ONLY			
8'		113.1	113.1	113.1	113.1	8'		102.1	102.1	102.1	102.1
9'		91.4	91.4	91.4	91.4	9'		83.0	83.0	83.0	83.0
10'		76.0	76.0	76.0	76.0	10'		69.4	69.4	69.4	69.4
11'		64.6	64.6	64.6	64.6	11'		59.1	59.1	59.1	59.1
12'		55.8	55.8	55.8	55.8	12'		51.2	51.2	51.2	51.2
13'		48.9	48.9	48.9	48.9	13'		45.0	45.0	45.0	45.0
14'		43.3	43.3	43.3	43.3	14'		40.0	40.0	40.0	40.0
15'		38.8	38.8	38.8	38.8	15'		35.9	35.9	35.9	35.9
16'		35.0	35.0	35.0	35.0	16'		32.4	32.4	32.4	32.4
17'		31.8	31.8	31.8	31.8	17'		29.5	29.5	29.5	29.5
18'		29.1	29.1	29.1	29.1	18'		27.0	27.0	27.0	27.0
19'		26.7	26.7	26.7	26.7	19'		24.8	24.8	24.8	24.8
20'		24.6	24.6	24.6	24.6	20'		22.9	22.9	22.9	22.9

		FL #15918						FL #16560			
		IMPACT & WINDLOAD RATED						CMU WINDLOAD RATED			
		203IM	203IM	204IM	204IM			203J	203J	204J	204J
		(+)	(-)	(+)	(-)			(+)	(-)	(+)	(-)
Width		IMPACT RATED TO CONCRETE & STEEL ONLY				Width		WINDLOAD RATED TO CMU, CONCRETE & STEEL			
8'		40.0	40.0	40.0	40.0	8'		73.0	79.7	73.0	79.7
9'		40.0	40.0	40.0	40.0	9'		58.4	64.1	58.4	64.1
10'		40.0	40.0	40.0	40.0	10'		48.2	53.1	48.2	53.1
11'		40.0	40.0	40.0	40.0	11'		40.7	45.0	40.7	45.0
12'		40.0	40.0	40.0	40.0	12'		35.0	38.7	35.0	38.7
13'		40.0	40.0	40.0	40.0	13'		30.6	33.9	30.6	33.9
14'		40.0	40.0	40.0	40.0	14'		27.0	30.0	27.0	30.0
						15'		24.1	26.8	24.1	26.8
						16'		21.7	24.1	21.7	24.1

		FL #16905									
		STANDARD WINDLOAD RATED									
		203	203	204	204						
		(+)	(-)	(+)	(-)						
Width		WINDLOAD RATED TO CONCRETE & STEEL ONLY				Width					
8'		61.2	61.2	61.2	61.2	17'		19.7	21.9	19.7	21.9
9'		61.2	61.2	61.2	61.2	18'		17.9	20.0	17.9	20.0
10'		61.2	61.2	61.2	61.2	19'		16.5	18.4	16.5	18.4
11'		52.0	52.0	52.0	52.0	20'		15.2	17.0	15.2	17.0
12'		45.0	45.0	45.0	45.0						
13'		39.4	39.4	39.4	39.4						
14'		35.0	35.0	35.0	35.0						
15'		31.4	31.4	31.4	31.4						
16'		28.3	28.3	28.3	28.3						
17'		25.7	25.7	25.7	25.7						
18'		23.5	23.5	23.5	23.5						
19'		21.6	21.6	21.6	21.6						
20'		19.9	19.9	19.9	19.9						

**NOTES:**

- : Model 204 is the insulated version of Model 203.
- : Models 203J & 204J incorporate Asta's "J" design bottom bar.
- : CMU jambs referenced are with poured concrete filled CMU cells.

**ASTA DOOR CORPORATION**  
**400 SERIES WINDLOAD REFERENCE CHART**  
**(MOUNTING TO STEEL, CONCRETE AND POURED CMU ONLY)**  
**WINDLOAD RATED DOORS ( +/- PSF )**

<b>FL #14432</b>					<b>FL #16191</b>										
<b>STANDARD WINDLOAD RATED</b>					<b>STANDARD WINDLOAD RATED</b>										
424		422		420		418		424		422FM		420FM		418FM	
<b>MAXIMUM OPENING HEIGHTS</b>					<b>MAXIMUM OPENING HEIGHTS</b>										
16' Max		21' Max		21' Max		21' Max		30' Max		30' Max		30' Max		30' Max	
(+/-)		(+/-)		(+/-)		(+/-)		(+/-)		(+/-)		(+/-)		(+/-)	
<b>WIDTH</b>	<b>WINDLOAD RATED TO CONCRETE &amp; STEEL ONLY</b>				<b>WIDTH</b>	<b>WINDLOAD RATED TO CONCRETE &amp; STEEL ONLY</b>									
8'	105.3	112.5	119.3	127.6	8'	N/A	110.0	110.0	110.0						
9'	105.3	112.5	119.3	127.6	9'	N/A	110.0	110.0	110.0						
10'	105.3	112.5	119.3	127.6	10'	N/A	110.0	110.0	110.0						
11'	87.7	92.9	97.8	103.7	11'	N/A	110.0	110.0	110.0						
12'	74.6	78.5	82	86.4	12'	N/A	100.1	105.8	110.0						
13'	64.6	67.5	70.2	73.5	13'	N/A	85.6	89.9	95.2						
14'	56.6	58.9	60.9	63.5	14'	N/A	74.3	77.7	81.7						
15'	50.2	52	53.6	55.6	15'	N/A	65.3	68.0	71.2						
16'	45.0	46.4	47.7	49.3	16'	N/A	58.1	60.2	62.8						
17'	40.7	41.8	42.8	44.1	17'	N/A	52.2	53.9	56.0						
18'	36.9	37.9	38.7	39.8	18'	N/A	47.2	46.6	50.3						
19'	33.8	34.6	35.3	36.1	19'	N/A	43.0	44.1	45.5						
20'	31.1	31.7	32.3	33	20'	N/A	39.3	40.3	41.5						
21'	N/A	29.2	29.7	30.3	21'	N/A	36.2	37.0	38.0						
22'	N/A	27.1	27.5	28	22'	N/A	33.5	34.2	35.0						
23'	N/A	25.2	25.5	26.0	23'	N/A	31.1	31.7	32.4						
24'	N/A	23.5	23.8	24.2	24'	N/A	29.0	29.5	30.1						
					24'9"	N/A	27.6	28	28.6						

<b>FL #15918</b>					<b>FL #16560</b>										
<b>IMPACT &amp; WINDLOAD RATED</b>					<b>CMU WINDLOAD RATED</b>										
424		422IM		420IM		418IM		424		422FM		420FM		418FM	
<b>MAXIMUM OPENING HEIGHTS</b>					<b>MAXIMUM OPENING HEIGHTS</b>										
30' Max		30' Max		30' Max		30' Max		30' Max		30' Max		30' Max		30' Max	
(+/-)		(+/-)		(+/-)		(+/-)		(+/-)		(+/-)		(+/-)		(+/-)	
<b>Width</b>	<b>IMPACT RATED TO CONCRETE &amp; STEEL ONLY</b>				<b>Width</b>	<b>WINDLOAD RATED TO CMU, CONCRETE &amp; STEEL</b>									
8'	N/A	55.0	55.0	55.0	8'	N/A	82.6	91.0	101.0						
9'	N/A	55.0	55.0	55.0	9'	N/A	82.6	91.0	101.0						
10'	N/A	55.0	55.0	55.0	10'	N/A	82.6	91.0	101.0						
11'	N/A	55.0	55.0	55.0	11'	N/A	82.6	91.0	101.0						
12'	N/A	55.0	55.0	55.0	12'	N/A	69.6	75.4	82.3						
13'	N/A	55.0	55.0	55.0	13'	N/A	58.5	62.9	68.1						
14'	N/A	55.0	55.0	55.0	14'	N/A	50.0	53.4	57.4						
15'	N/A	55.0	55.0	55.0	15'	N/A	43.4	46.0	49.2						
16'	N/A	55.0	55.0	55.0	16'	N/A	38.1	40.2	42.8						
16'6"	N/A	55.0	55.0	55.0	17'	N/A	33.8	35.6	37.6						
					18'	N/A	30.3	31.7	33.4						
					19'	N/A	27.4	28.6	29.9						
					20'	N/A	24.9	25.9	27.0						
					21'	N/A	22.8	23.6	24.6						
					22'	N/A	20.9	21.7	22.5						
					23'	N/A	19.4	20.0	20.7						
					24'	N/A	18.0	18.5	19.1						

Note: CMU jambs referenced are with concrete filled CMU cells.  
(Poured CMU).

**ASTA DOOR CORPORATION**  
**600 SERIES WINDLOAD REFERENCE CHART**  
**(MOUNTING TO STEEL, CONCRETE AND POURED CMU ONLY)**  
**WINDLOAD RATED DOORS ( +/- PSF )**

<b>FL #14432</b>					<b>FL #16191</b>				
<b>STANDARD WINDLOAD RATED</b>					<b>STANDARD WINDLOAD RATED</b>				
		622	620	618			622M	620M	618M
<b>MAXIMUM OPENING HEIGHTS</b>					<b>MAXIMUM OPENING HEIGHTS</b>				
16' Max	21' Max	21' Max	21' Max	21' Max			30' Max	30' Max	30' Max
(+/-)	(+/-)	(+/-)	(+/-)	(+/-)			(+/-)	(+/-)	(+/-)
<b>WIDTHS</b>	<b>WINDLOAD RATED TO CONCRETE &amp; STEEL ONLY</b>				<b>WIDTHS</b>	<b>WINDLOAD RATED TO CONCRETE &amp; STEEL ONLY</b>			
8'	N/A	178.9	187.7	198.8	8'	N/A	100.0/100.0	100.0/100.0	100.0/100.0
9'	N/A	141.1	147.0	154.3	9'	N/A	100.0/100.0	100.0/100.0	100.0/100.0
10'	N/A	115.1	119.2	124.3	10'	N/A	100.0/100.0	100.0/100.0	100.0/100.0
11'	N/A	96.3	99.2	102.9	11'	N/A	100.0/100.0	100.0/100.0	100.0/100.0
12'	N/A	82.2	84.4	87.1	12'	N/A	93.1/85.1	100.0/95.4	100.0/100.0
13'	N/A	71.4	73.0	75	13'	N/A	79.1/72.0	86.9/79.8	92.1/85.1
14'	N/A	62.7	64	65.6	14'	N/A	68.3/61.9	74.3/67.9	78.4/72.0
15'	N/A	55.7	56.7	58	15'	N/A	59.8/54.0	64.5/58.7	67.7/62.0
16'	N/A	50.0	50.8	51.8	16'	N/A	52.9/47.7	56.7/51.5	59.2/54.0
17'	N/A	45.2	45.9	46.7	17'	N/A	47.4/42.6	50.4/45.6	52.5/47.7
18'	N/A	41.2	41.7	42.4	18'	N/A	42.7/38.3	45.2/40.8	46.9/42.5
19'	N/A	37.7	38.1	38.7	19'	N/A	38.8/34.7	40.8/36.8	42.2/38.2
20'	N/A	34.7	35	35.5	20'	N/A	35.4/31.6	37.1/33.4	38.3/34.5
21'	N/A	32.1	32.4	32.8	21'	N/A	32.5/29.0	34.0/30.5	35.0/31.5
22'	N/A	29.8	30	30.4	22'	N/A	30.0/26.7	31.3/28.0	32.1/28.8
23'	N/A	27.7	28.0	28.2	23'	N/A	27.8/24.8	28.9/25.8	29.6/26.6
24'	N/A	25.9	26.1	26.4	24'	N/A	25.9/23.0	26.8/23.9	27.4/24.6
					24'-9"	N/A	24.6/21.9	25.4/22.7	26.0/23.2

<b>FL #15918</b>					<b>FL #16560</b>				
<b>IMPACT &amp; WINDLOAD RATED</b>					<b>CMU WINDLOAD RATED</b>				
		622IM	620IM	618IM			622M	620M	618M
<b>MAXIMUM OPENING HEIGHTS</b>					<b>MAXIMUM OPENING HEIGHTS</b>				
		30' Max	30' Max	30' Max			30' Max	30' Max	30' Max
		(+/-)	(+/-)	(+/-)			(+/-)	(+/-)	(+/-)
<b>Width</b>	<b>IMPACT RATED TO CONCRETE &amp; STEEL ONLY</b>				<b>Width</b>	<b>WINDLOAD RATED TO CMU, CONCRETE &amp; STEEL</b>			
8'	N/A	50 / 45	50 / 45	50 / 45	8'	N/A	84.1	99.0	109.2
9'	N/A	50 / 45	50 / 45	50 / 45	9'	N/A	84.1	99.0	109.2
10'	N/A	50 / 45	50 / 45	50 / 45	10'	N/A	84.1	99.0	109.2
11'	N/A	50 / 45	50 / 45	50 / 45	11'	N/A	84.1	99.0	109.2
12'	N/A	50 / 45	50 / 45	50 / 45	12'	N/A	70.2	80.5	87.5
13'	N/A	50 / 45	50 / 45	50 / 45	13'	N/A	58.7	66.5	71.8
14'	N/A	50 / 45	50 / 45	50 / 45	14'	N/A	50.0	56.1	60.2
15'	N/A	50 / 45	50 / 45	50 / 45	15'	N/A	43.3	48.0	51.3
16'	N/A	50 / 45	50 / 45	50 / 45	16'	N/A	37.9	41.7	44.3
16' 6"	N/A	50 / 45	50 / 45	50 / 45	17'	N/A	33.6	36.6	38.7
					18'	N/A	30.0	32.5	34.2
					19'	N/A	27.0	29.1	30.5
					20'	N/A	24.5	26.3	27.5
					21'	N/A	22.4	23.9	24.9
					22'	N/A	20.6	21.8	22.7
					23'	N/A	19.0	20.1	20.8
					24'	N/A	17.6	18.5	19.2

Note: CMU jambs referenced are with concrete filled CMU cells.  
(Poured CMU).