



Niagara SkyWheel – Technical Facts

Canada's only giant observation wheel is a marvel of technical engineering. The wheel operates on a 12 to 15 minute ride cycle.

Specifications

SkyWheel height: 53 m/175 ft.
SkyWheel diameter: 50.5 m/165 ft.
Main axle height: 27.5 m/90 ft.
Base width: 25 m/82 ft.
Base depth: 20.5 m/67 ft.
Number of spokes: 21
Ride weight (when empty): 127,142 kg/280,300 lbs

Performance

Year Round Operation
Revolutions: 1.5 rpm maximum
Maximum speed: 4 m/s (13 ft./s)
Maximum wind speed (operating): 45 mph
Ride duration: variable 12 to 15 minutes
Direction of travel: clockwise and counter clockwise
Motors: total 200 hp (144 kW)

Gondolas

Number of gondolas: 42
Fully enclosed with Air Conditioning and Heating
Maximum capacity per gondola: 8 passengers
Loading: 6 gondolas simultaneously
Average passenger weight per gondola:
78 kg/170 lbs=624 kg/1360 lbs
Maximum total passenger weight: 26,208 kg/57,120 lbs
Minimum passenger height: 42 inches (unaccompanied by an adult)

For media inquiries or to make arrangements for photography, please contact:

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