

# ROTO TECHNO



*Rides manufacturers since 1957*

# ROTO TECHNO



Park  
Model



On trailer

## TECHNICAL SPECIFICATIONS

# 10

# 12

<b>Base Size:</b>	~ Ø 16.5 m - 54.1 ft	~ Ø 16.5 m - 54.1 ft
<b>Height:</b>	~ 7.2 m - 23.6 ft	~ 7.2 m - 23.6 ft
<b>Speed:</b>	~ 8 rpm	~ 8 rpm
<b>Vehicles:</b>	10	12
<b>Seats/Vehicle:</b>	2 seats/each	2 seats/each
<b>Seats capacity:</b>	20 seats	24 seats
<b>Th. Capacity:</b>	~ 600 passengers/h	~ 720 passengers/h
<b>Lighting:</b>	~ 12 kW	~ 12 kW
<b>Moving Power:</b>	~ 125 kW	~ 165 kW

EN-7/23-rev.2.0 – Subject to technical changes as part of product development, as well as errors and omissions.



# TECHNICAL SPECIFICATIONS

## Structure



ON TRAILER

## DESIGN

The Roto Techno Amusement ride is available both in park model (on self-standing basement) and in carnival model (on semi-trailer) configuration.

## TRAILER MODEL

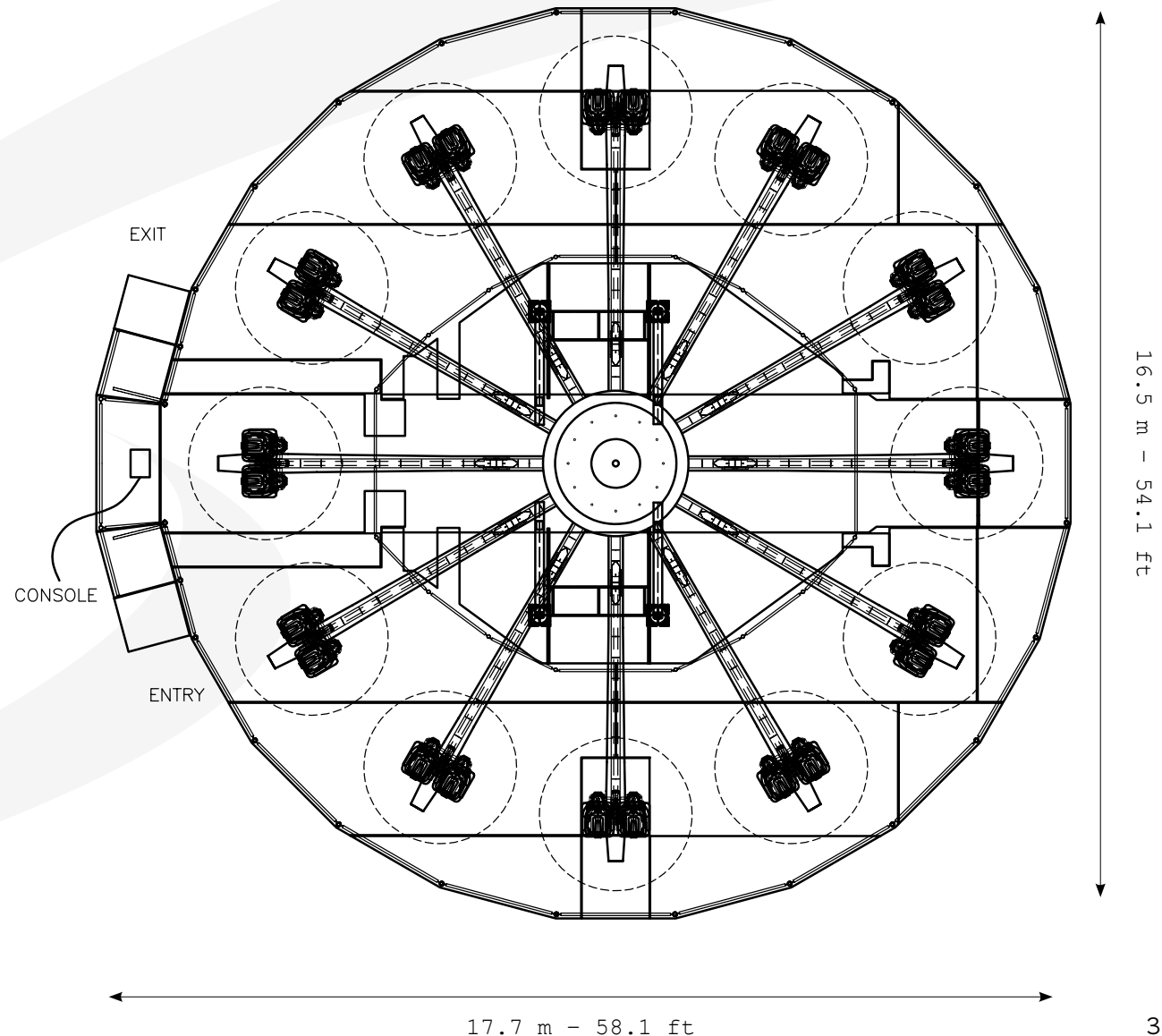
The carnival model version is based on a 13,60Lx2,55Wx4,00H meters (10 reduced arms) or 14,6Lx2,55Wx4,00H meters (12 full size arms) semi-trailer, two fixed + 1 turnable axles each having twin wheels with ABS and air suspension, Pirelli tires of 265 / 19.5, and a hydraulic levelling.

## STRUCTURE

The ride is composed by a center rotation hub where the 10/12 arms are installed free to move up and down through high performances pneumatic cylinders.

The arms are operated safely by a pneumatic system in conjunction with an electronic system.

The entire set of ride arms movements/jumps are coordinated by a safety PLC and sensors which allows the ride to perform various figure choreographs making the ride very exciting for the rider and attractive for the viewing customer.





# TECHNICAL SPECIFICATIONS

## Structure



ON TRAILER

### SPECIFICATION

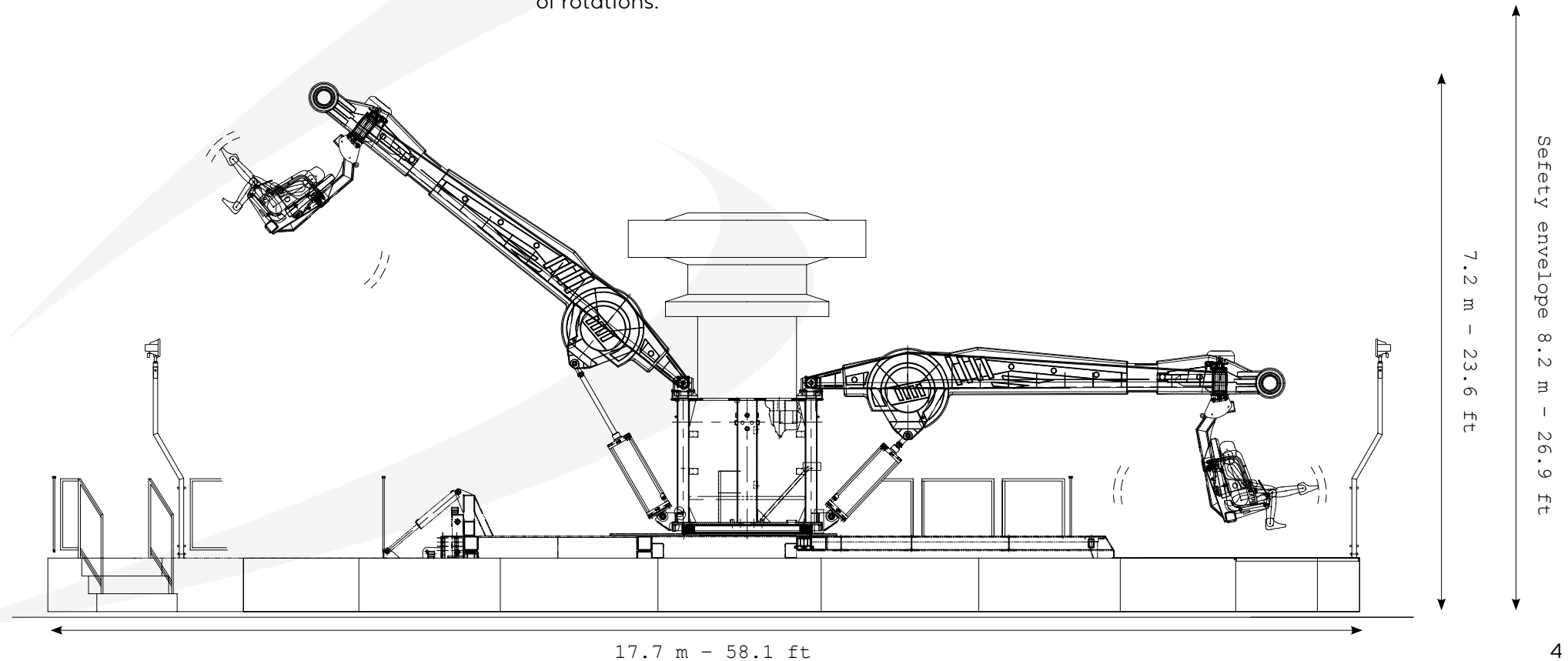
The ride foot print is the same between the two ride version 10/12 arms.  
Each arms has a 2 seat spinning gondola so the full load capacity is 20/24 passengers (depending on the number of arms).

### GONDOLAS

The gondolas and arms are painted/decorated and safety locking devices made by safety restraints. Each subject rotates independently by exploiting the centrifugal force and the weight of the passengers which will affect the number of rotations.

### OPERATION SYSTEM

The ride is controlled by a safety PLC and can be operated in manual or automatic mode.

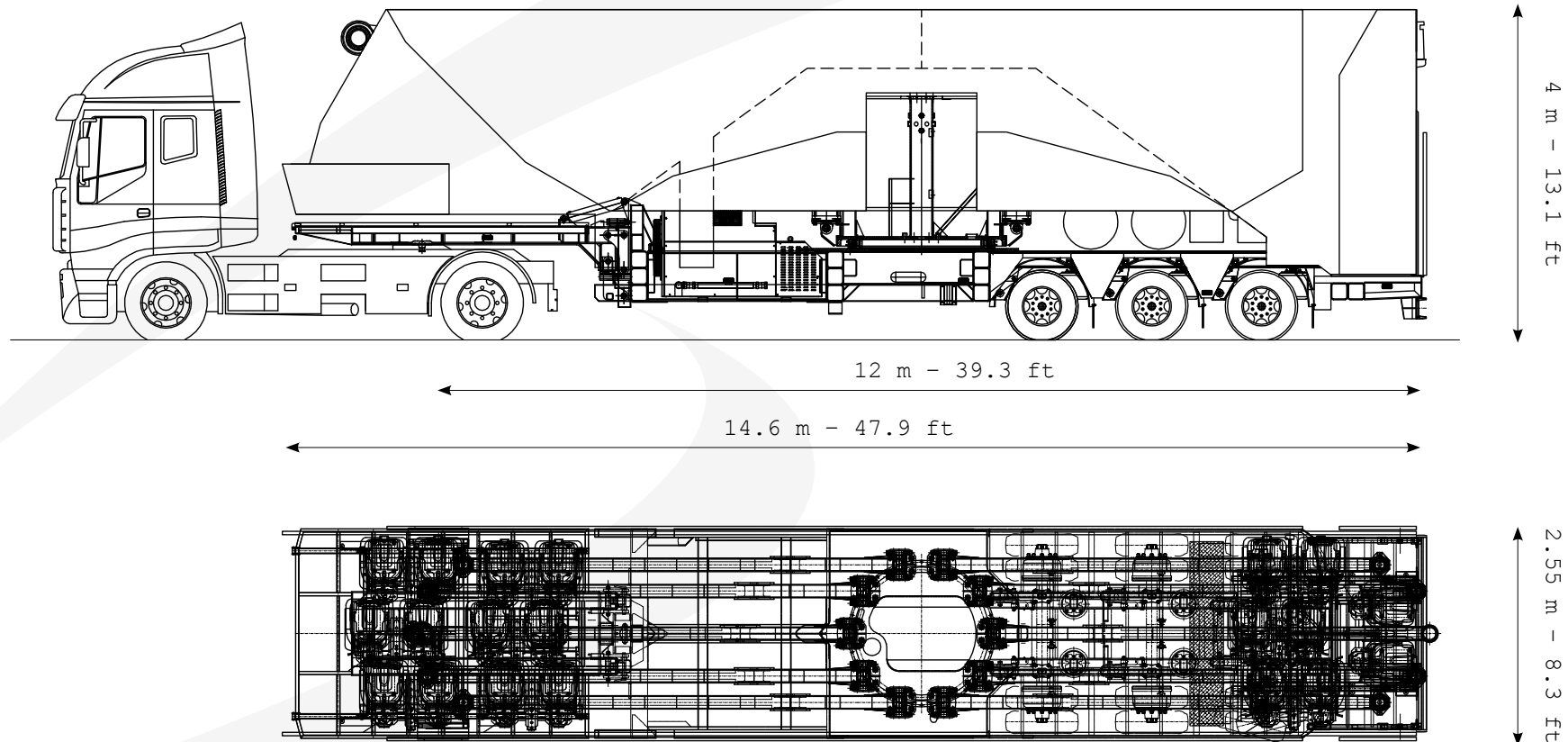


# TECHNICAL SPECIFICATIONS

## Structure



ON TRAILER

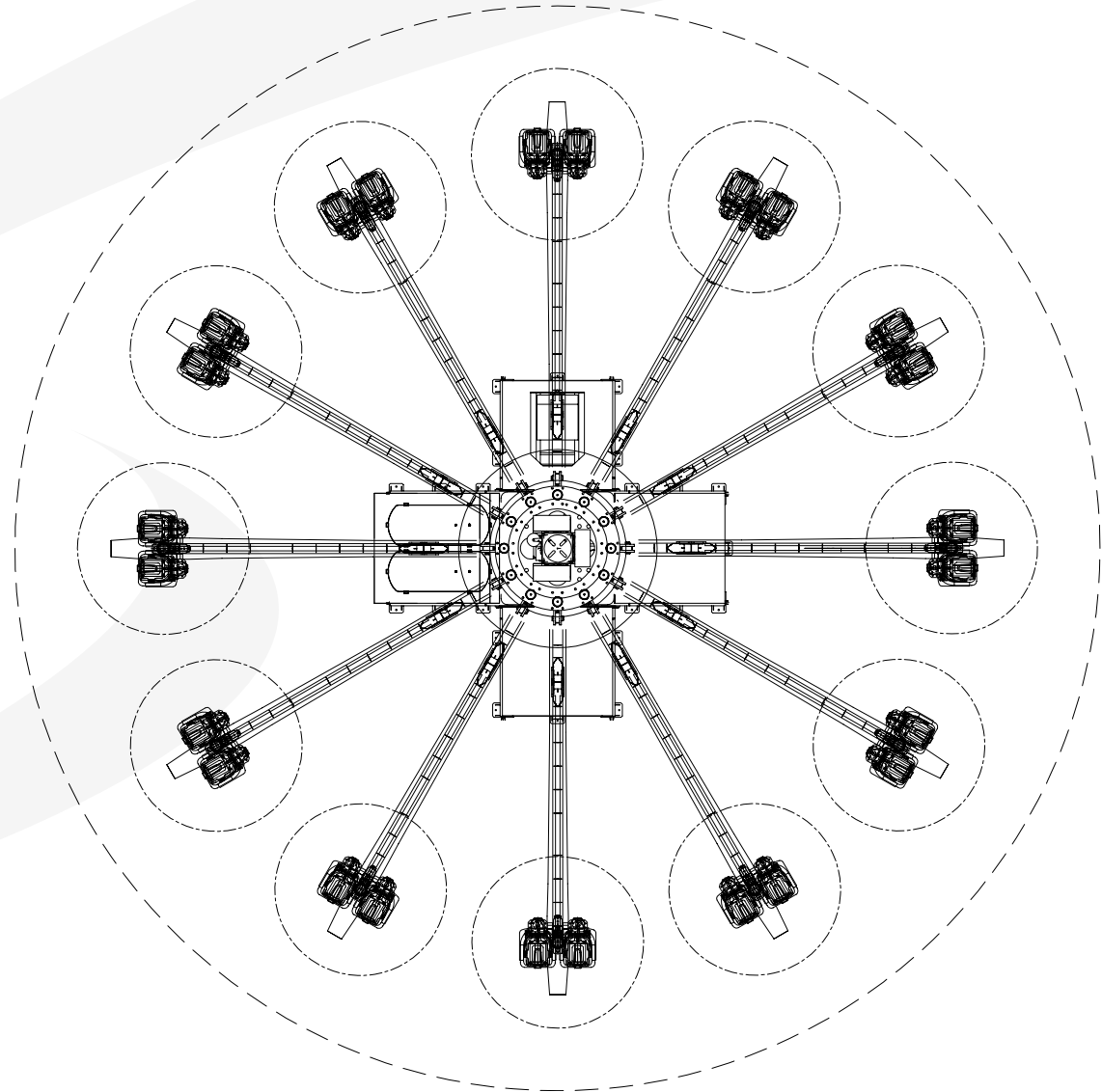


# TECHNICAL SPECIFICATIONS

## Structure NO Platform



PARK MODEL



Safety envelope 17.5 m - 57.4 Ft

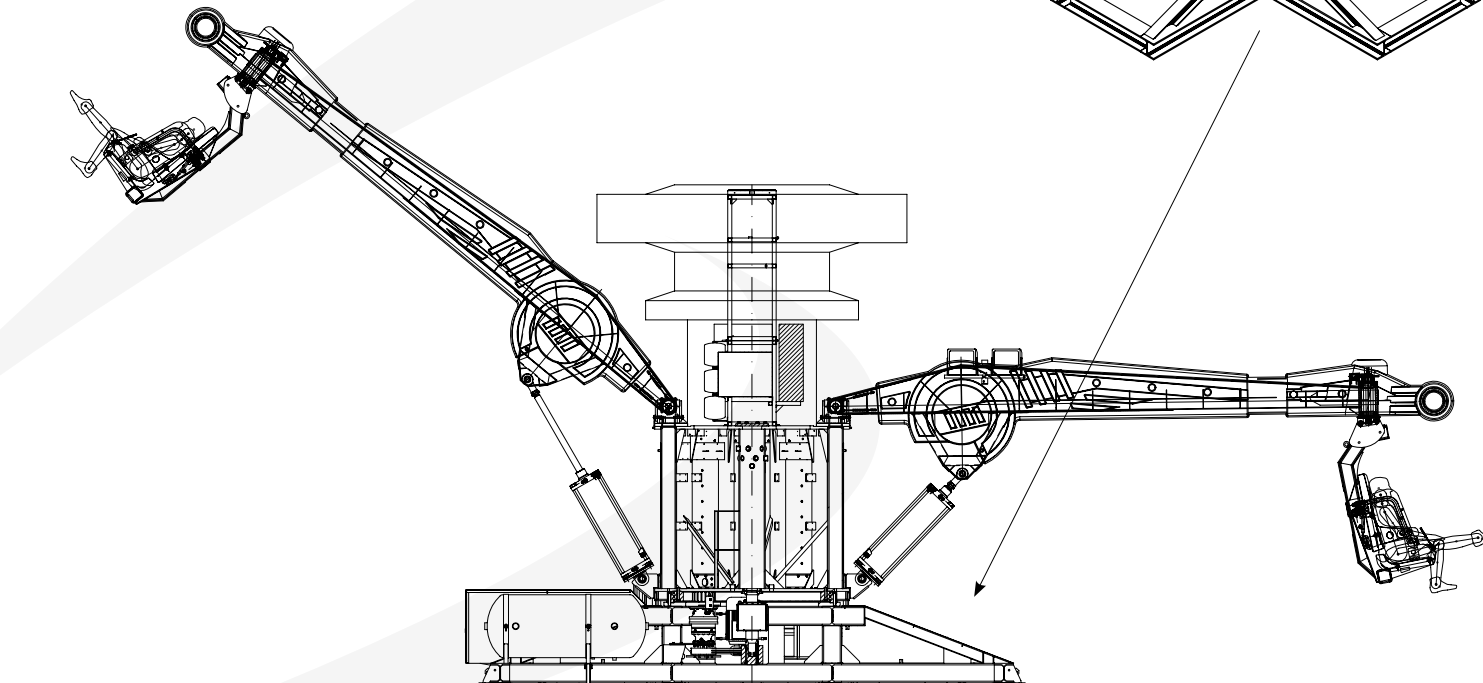
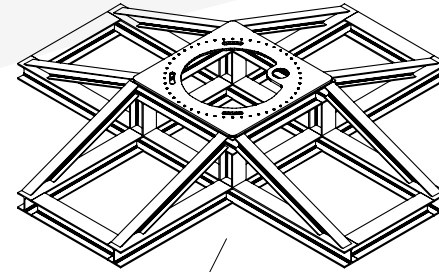
# TECHNICAL SPECIFICATIONS

## Structure NO Platform



PARK MODEL

3D BASE VIEW



6.9 m - 22.6 Ft

Safety envelope 8 m - 26.2 Ft

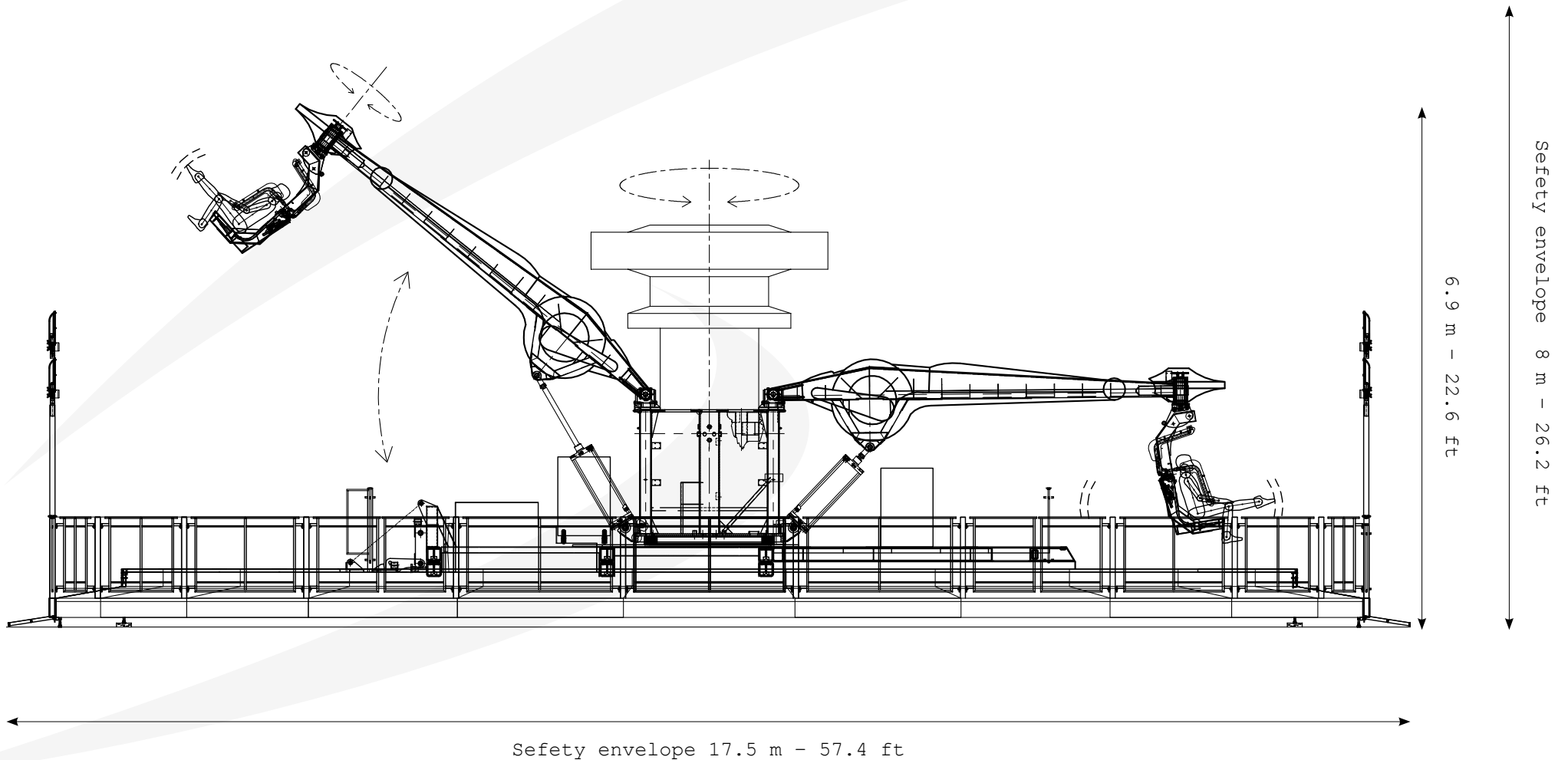
Safety envelope 17.5 m - 57.4 ft

# TECHNICAL SPECIFICATIONS

## Structure with Platform



PARK MODEL





# ROTO TECHNO



PARK MODEL OR  
ON TRAILER!

GET THE ORIGINAL  
ONLY FROM SARTORI!



ARMS JUMP  
UP & DOWN  
INDEPENDENTLY



CENTER SPINS  
360° IN BOTH  
DIRECTIONS



SEATS TURN  
FREELY 360°

OVER 3G  
ACCELERATION



SARTORI  
AMUSEMENT RIDES





PARK MODEL



**SARTORI**  
AMUSEMENT RIDES





SARTORI  
AMUSEMENT RIDES





PARK MODEL



SARTORI  
AMUSEMENT RIDES









ON TRAILER



SARTORI  
AMUSEMENT RIDES

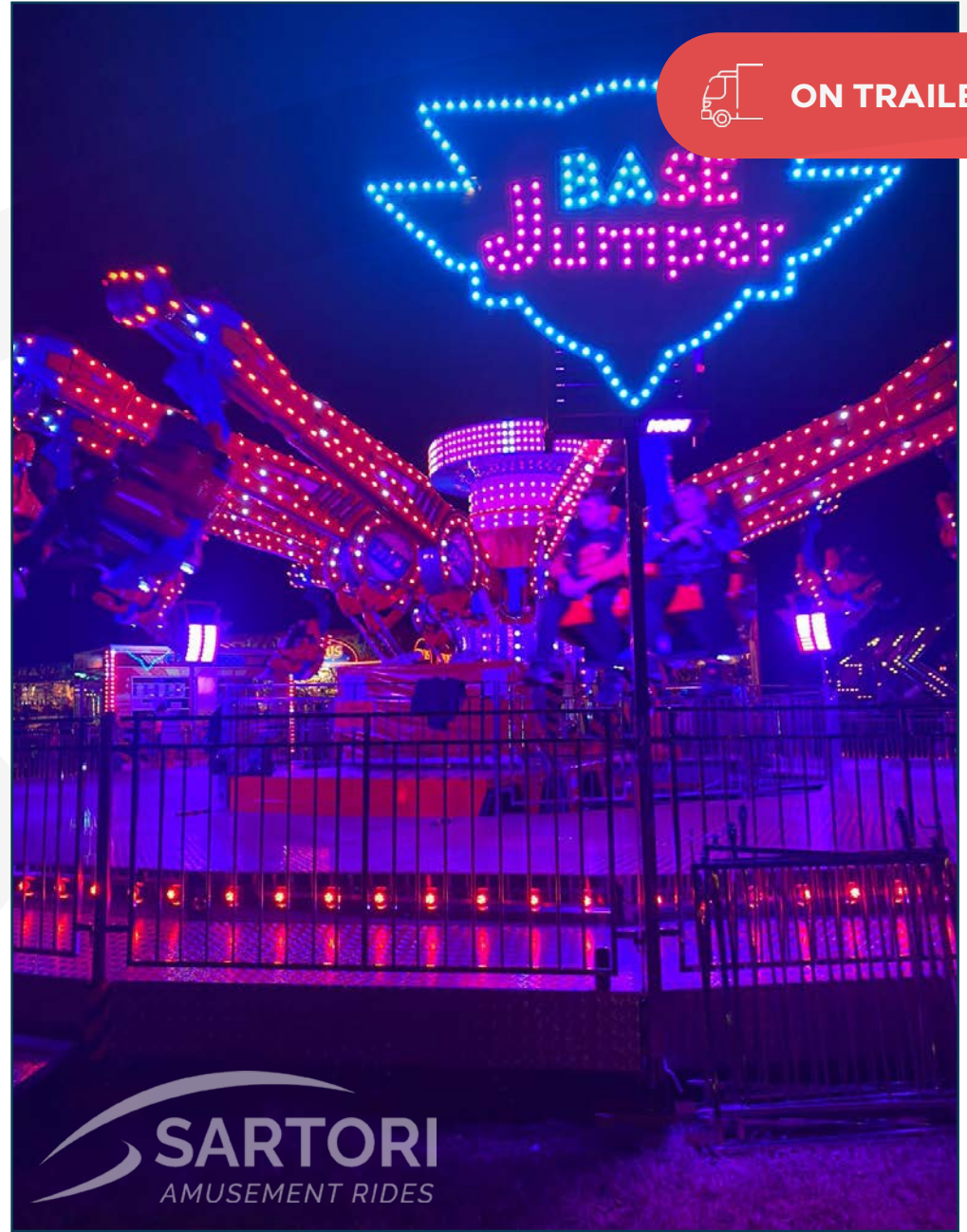








**SARTORI**  
AMUSEMENT RIDES



ON TRAILER

**SARTORI**  
AMUSEMENT RIDES