



TECHNICAL SPECIFICATIONS

McLAREN RACING MOTION SIMULATOR

MODEL	028 McLaren Racing
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BODY	
Number of seats	1
Seat material	Carbon fiber composite
Top cover material	Carbon fiber composite
Rear cover material	Carbon fiber composite
Rear diffuser material	Carbon fiber composite
Bottom shell material	Glass fiber composite
Footboard	Carpet with carbon fiber profiles
Cooling	2 speed-adjustable fans
Lighting	Rear LED fog light
Length / Width / Height (mm)	3000 / 2880 / 1082 mm
Weight	280 kg

AUDIO SYSTEM	
System	THX® Certified Dolby Digital 5.1
Total power (peak)	1000 W
Total power (RMS)	500 W
Subwoofer	165 W
Satellites	67 W × 5

PC	
CPU	High-end gaming CPU
Video card	High-end gaming GPU (HDMI & DisplayPort output)
Connectivity	Ethernet and Wi-Fi (if requested)

MONITOR	
Configuration	3 × 46-inch slim-bezel screens with more than 100° FOV
Bezel	0.8 mm



MOTION SYSTEM	
System	Proprietary 3DOF motion system
Actuators	3 × 36 V BLDC actuators
Max speed	10 cm/s
Angle (pitch / roll / yaw)	3° / 18° / 5°
Actuation frequency	200 Hz – 500 Hz
Maximum power	380 W
Features	<ul style="list-style-type: none"> ▪ High dynamics ▪ Near-silent operation ▪ Customizable motion response, including full deactivation

STEERING SYSTEM	
Wheelbase	Max 25 Nm BLDC motor, direct drive
Force feedback	High-resolution, dynamic force feedback for realistic steering feel up to 8 Nm/ms
Software	FFB effects tuning software
Steering angle	270°
Steering wheel	MCL38 replica, carbon, 4.3-inch display

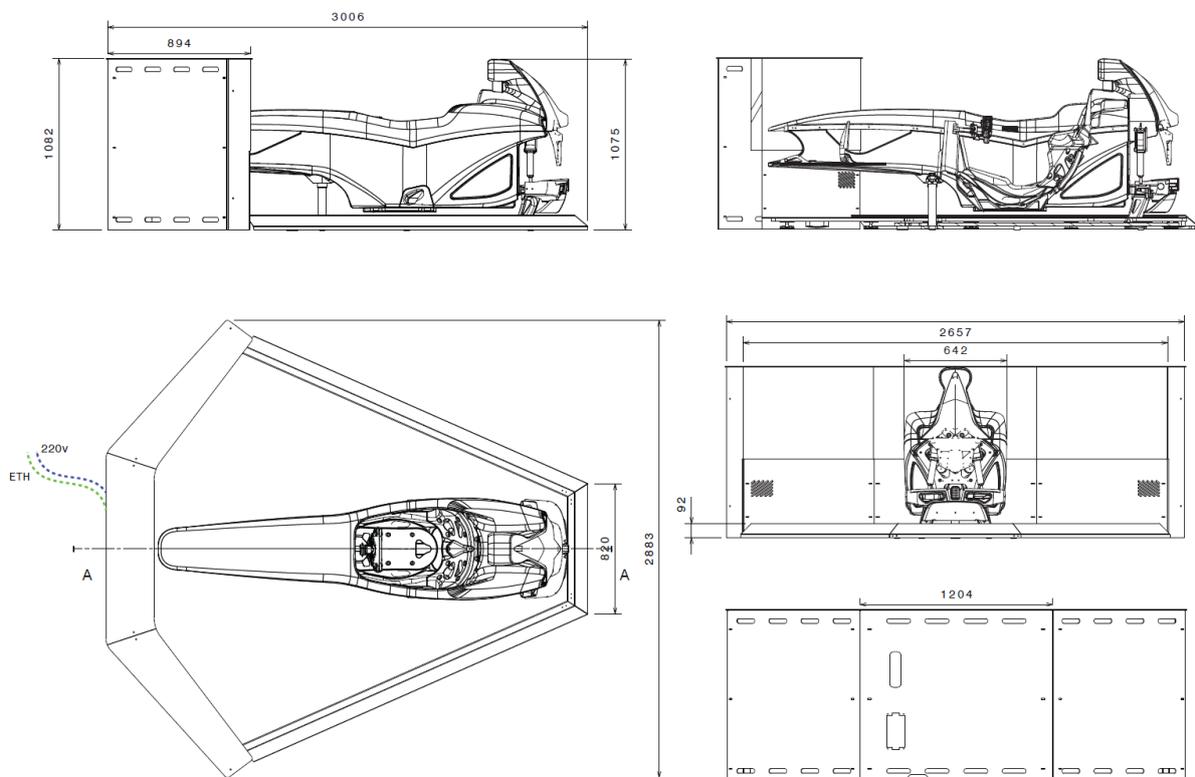
PEDAL BOX	
Technology	Hydraulic disc brake
Braking force	150 lbs = 100% braking
Throttle	Spring-loaded accelerator
Position adjustment	Gas-spring sliding system

ACTIVE SEATBELTS	
Seatbelts	5-point safety belts
System	4 x independent actuators with 36 V electric motors
Tunable strength	Adjustable via control software

ELECTRICAL SPECIFICATIONS	
Input voltage	110 V – 230 V
Input current	12 A – 6 A
Voltage frequency	50 Hz – 60 Hz
Power consumption	1.5 kW

SOFTWARE	
Simulation software	Assetto Corsa Pro
Software frontend	Bespoke for McLaren Racing Motion Simulator

EXTERIOR AND INTERIOR DIMENSIONS



The dimensions indicated in the technical drawing are in millimeters.