



## TECHNICAL SPECIFICATIONS

### McLAREN RACING MOTION SIMULATOR

#### TECHNICAL SPECIFICATIONS

##### McLAREN RACING MOTION SIMULATOR

<b>MODEL</b>	028 McLaren
--------------	-------------

<b>BODY</b>	
Number of seats	1
Seat material	Carbon fiber
Length/Width/Height	3000/2880/1082 mm
Weight	300 kg
Top cover material	Carbon fiber
Bottom shell material	Fiberglass
Cooling	2 speed-adjustable fans
Rear diffuser material	Carbon fiber
Lighting	Rear LED fog light
Footboard	Carpet with carbon fiber frames

<b>AUDIO SYSTEM</b>	
System	THX® Certified Dolby Digital 5.1
Total power (peak)	1000 W
Total power (RMS)	500 W
Subwoofer	165 W
Satellites	67 W x 5
Digital optical input	2 (up to 1080p)
Digital coaxial input	1
Six-channel direct input	1
RCA input	1
3.5 mm input	1
Headphone jack	1
Control console	1
Stackable satellites	4
Wall-mountable center channel speaker	1
Wall-mountable subwoofer	Ported
Side-firing remote	Infrared

<b>PC</b>	
CPU	High-end gaming CPU
Video card	High-end gaming GPU (HDMI & Display-Port output)
Connectivity	3 x LAN 2.5 Gb ports 2 x serial ports 10 x USB 3.2 ports 2 x SPDIF audio out 2 x USB-C ports
Storage	M.2 SSD SATA SSD
Power supply	1000 W industrial

<b>MONITOR</b>	
Configuration	3 x 46" slim-bezel screens with 120° FOV
Bezel	0.8 mm
Inputs	HDMI & DisplayPort input

<b>MOTION SYSTEM</b>	
System	Proprietary 3DOF motion system
Actuators	3 x 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
Driver	Control software & motion board by Racing Unleashed
Features	High dynamics Near-silent operation Car-specific setup Customizable motion response, including full deactivation



STEERING SYSTEM	
Wheelbase	Max 25 Nm BLDC motor direct drive
Force feedback	High resolution and dynamic force feedback for realistic steering feel (up to 8 Nm/ms)
Connection protocol	USB
Steering angle	270°
Software	FFB effects tuning software
Steering wheel	One-to-one MCL38 2024 replica Carbon fiber steering wheel 4.3" LED display Multiple pages to display vehicle status and performance (MCL38 replica) Motorsport quick-disconnect

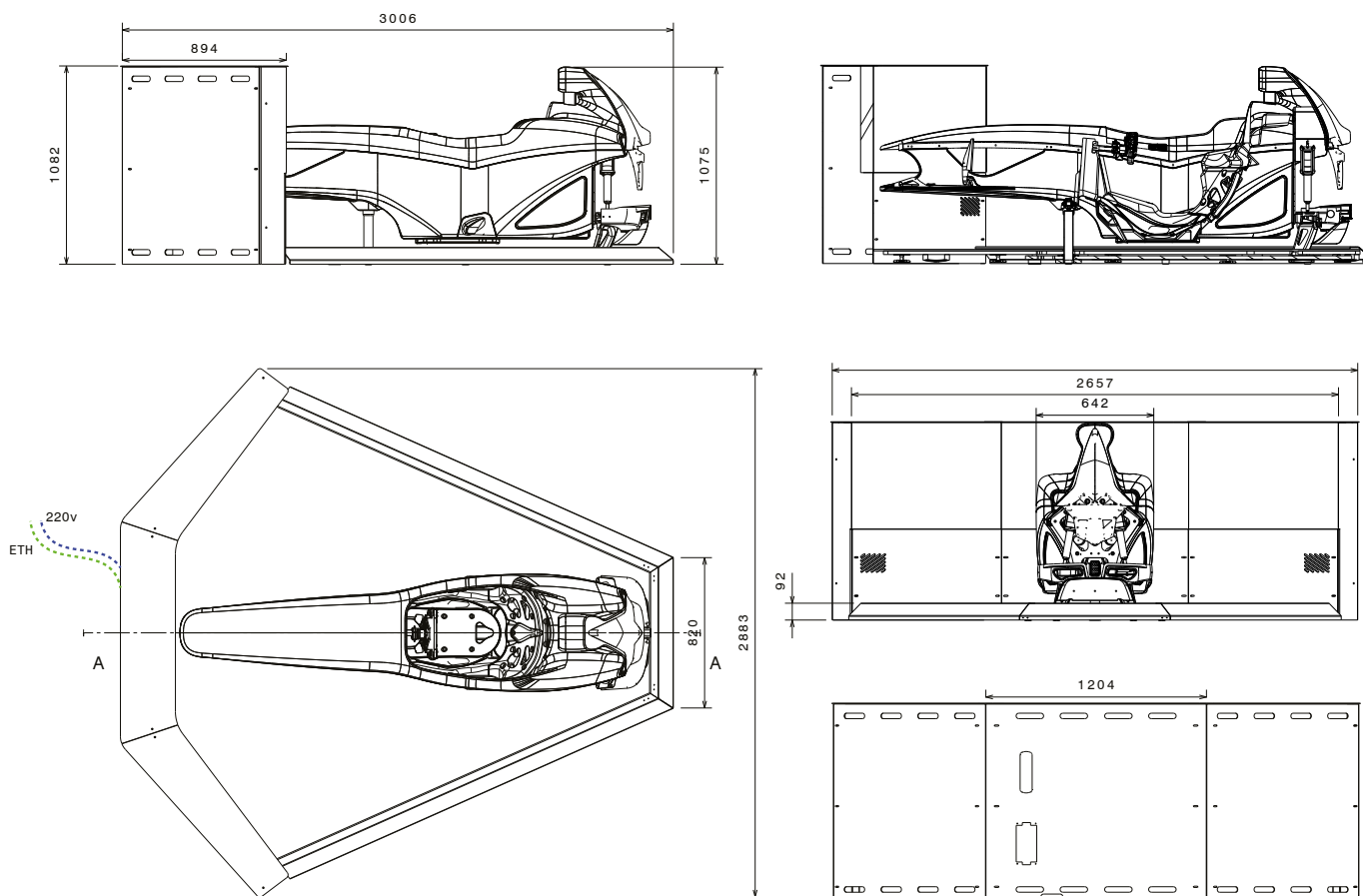
PEDAL BOX	
Technology	Hydraulic disc brake provides the analog feeling of a single-seater race car
Braking force	150 lbs pedal force equals 100% braking
Throttle	Spring-loaded accelerator pedal with linear potentiometer
Position adjustment	Gas spring sliding system

ACTIVE SEATBELTS	
Seatbelts	5-point safety belts
System	4 x independent actuators with 36 V brushed motors
Driver	Control software & motion board by Racing Unleashed
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

## EXTERIOR AND INTERIOR DIMENSIONS

### McLAREN RACING MOTION SIMULATOR



The dimensions indicated in the technical drawing are in millimeters.