



## MECHANICAL DIMENSIONS – iMACHINE MOWBOT 250 - ROBOTIC MOWING, SLASHING & WEED CONTROL PLATFORM

**PREPARED FOR** | External Contractors & Clients

**PREPARED BY** | iMACHINE– a Division of DAYTECH Pty Ltd

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**DATE** | 10/03/2022

**REFERENCE** | EXTERNAL

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**MODEL: iMACHINE MOWBOT 250**

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IMAGE: MOWBOT BASE UNIT – INC ROBOTICS AND NAV FITOUT (BASE STATION NOT SHOWN)

#### MACHINE MECHANICAL GENERAL SPECIFICATIONS:

##### MAIN MECHANICAL/ELECTRIC SYSTEMS:

- Fully Electric – 5kW system Brushless DC – Zero Emissions
- 200Ah 56VDC LiFePO4 Battery system – longest life on market
- Fan cooling, Differential Drive, True Zero Turn steering
- Main drivetrain, Independent wheel drive
- Electric high torque and high resolution speed control – full actuation by robotic automated control system. Multilayer safety. Sensor arrays for navigation, collision detection and avoidance
- Battery, electrical and control system fully integrated
- Spraying system – fully automatic – 4 nozzle / 1.2m wide – retractable via actuators
- Towing hitch at rear – max towing capacity 300kg
- Main frame materials, electrics, automation and robotic system custom fabricated in AUSTRALIA

##### GENERAL SPECIFICATIONS:

- Net weight: 415 kg
- Weight fully loaded: 525kg
- Cutting rating power 2600 W
- Drive rating power 1500 W
- 42" Removable Steel Deck
- Cut size 107 cm
- Maximum speed 12.1 kph
- Incline Max: 25 degrees

OVERALL DIMENSIONS:

- Length (including allowance for wheel swivel): **2080mm**
- Length (excluding allowance for wheel swivel): 1750mm
- Width (including navigation rack Clearance): 1210mm
- Height (including navigation rack Clearance): 1490mm
- Ground Clearance: 100mm (with mow deck fully retracted)
- Wheel Diameter size: 380mm front zero turn castor wheels, 440mm rear offroad drive wheels
- Wheelbase – cL Front Wheels to cL Rear Wheels: 1210mm

