



## MECHANICAL DIMENSIONS – iMACHINE TRACBOT 450 - ROBOTIC AGRICULTURE / CRAWLER PLATFORM

**PREPARED FOR** | External Contractors & Clients

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

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**REFERENCE** | EXTERNAL

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**MODEL: iMACHINE TRACBOT 450**

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IMAGE: TRACBOT BASE MECHANICAL UNIT – DIESEL SHOWN – FULLY ELECTRIC MODELS AVAILABLE 2024

### MACHINE MECHANICAL GENERAL SPECIFICATIONS:

#### MAIN MECHANICAL SYSTEMS:

- YTO 50HP diesel 4 cylinder engine
- Hybrid and Fully Electric Versions currently in development
- Fuel pump, Exhaust and tank
- Water cooling, radiator and air intake
- Main drivetrain, axle / dif
- 10" Single Acting Clutch, Gearbox, 8 SPEED gearing – manual automated gearbox – full actuation by robotic automated control system
- Battery, electrical and control system
- Track system and undercarriage
- 40HP PTO and 3 point hitch systems, plus coupling and hydraulics
- Main frame materials, RHS and custom fabricated parts in AUSTRALIA

#### GENERAL SPECIFICATIONS:

- Weight: 1290 kg with fuel / 1430 kg fully loaded with counterweights
- Operating Speed is 5.12 km/h, max speed 7km/hr
- 58L / 12-15h Max – automated refuelling system
- 50HP 4-cylinder, in-line, water-cooled – Diesel - Hybrid and Fully Electric Available 2024
- Rubber tracks – 25mm thick
- Climbing incline limit – 30deg MAX / 1.8m turning radius

#### OVERALL DIMENSIONS:

- Length (including 3 point Hitch, excluding counterweights): **3080mm**
- Length (including 3 point Hitch and counterweights): 3280mm
  - Note: counterweights can be removed for transport in trailer.
- Length (excluding 3 point Hitch and counterweights): 2710mm
- Width (including tracks): 1310mm
- Height (seat removed and navigation/rollbar system installed): 1450mm
- Ground Clearance: 185mm
- Track Size: 2020mm (Length) x 470mm (Height) x 250mm (Width)