

Technical drawing of a mobile robot platform, showing top and side views with dimensions in inches and millimeters.

Top View Dimensions:

- Overall Width: 27 1/8" (690)
- Overall Length: 81 1/8" (2060)
- Internal Width: 72" (1830)
- Internal Length: 21 1/4" (540)
- Wheel Diameter: 20 1/4" (515)
- Wheel Spacing (Center-to-Center): 26" (660)
- Overall Height (including wheels): 28" (710)
- Radius of Turn: R46 1/4" (1175)

Side View Dimensions:

- Overall Height: 52" (1320)
- Height to Top of Chassis: 42 15/16" (1090)
- Height to Center of Wheel: 14 13/16" (360)
- Height to Bottom of Wheel: 14 13/16" (360-370)
- Height to Top of Motor: 6 1/16" (170)
- Height to Center of Motor: 2 9/16" (65)
- Height to Bottom of Motor: 2 9/16" (65)
- Height to Top of Chassis (from wheel center): 31 1/2" (800)
- Height to Bottom of Chassis (from wheel center): 37" (940)
- Height to Top of Chassis (from wheel center): 55 1/8" (1380)
- Height to Top of Chassis (from wheel center): 14 13/16" (360)

Other Details:

- 2-Ø12 1/4" x 4" (310x100) Solid Foam Tires
- 4-Ø7 7/8" x 2" (Ø200x50)

Capacity: 2,000 lbs (907 kgs.)
Drive Axle: CO4GL-125S-24-400
Gear Ratio: 40:1
Drive Motor: DC24V/900W
Controller: Curtis 1212 - 2411
Battery: 2x12V/70 Ah
Charger: 24V/8Amps - (4amps/bank)
Loaded Speed: 2.8m/h
Unloaded Speed: 3.4m/h

Date:12/13/18