

Rolling Resistance = Crimq cost = 0.02 × 9.81×200 × 0.996 Cn 20.02 at complaint acceleration. = 225 + 170.89 + 39.083 = 434.973 N in the toribot P = Q FXV 2 434.973 X 25 = 10,874.325 N JUD ZUO KW. Lo for 25 m/s The peak power of motor be 10km = Forcex Radws (m) = Forcex Radws (m) = 434.973 × 0.25 2 108:74325 N-m.

Speed of 60 km/hu. V2 60 km/h2 16.67m/2 0 - 10.00 x 16.67x 16.6 Aeradynamic Pray z / x1.2x1.2x0.5x16.67 Z 100.04N Climbing Force = 200x 9.81 x sm 5 = 170.89 N Rolling Resistance = 0.02 × 9.81×200 × 0.996 239.083N At constant acceleration Pz 100-04+170.89+39.083 2 310.013 N Pz FXV = 310.013× 16.67 2 5167.91621 W z 5kW So for 60 km/hr the peak power of materibe
Force x Radius (m)
Force x Radius (m)

Torque 2 310.013 X 0.25

2 77.503 N-m. We are using 2; thium ion battery 48v/20 amp. speufication