Fr= Mrx xw = Mrr xmg TTE periodic = $\frac{TTE}{n_{motor}} = \frac{TTE}{2}$ 17 = /t. pc -Mar = 0.58 - Tubel = 0.0508m - a = Jmax - Vmis = 0.1 m/52

+ Total Tractive Effort: TTE = fa + Far - 35 - 1 t= Ma = 0.1 + J.8|x0.58 x 0.0508 x 1.12 10.1647 m Tray = 11 Epermotar x Tuned x Rf

dual stage reduction

I = Truster × reduction ratio (i)

(Rf " residence factor Rf E[1.1,1.15]

: Mr I motor x i

-Nema 17 (0.7 Nm model): T= 6.3 N.m., M= 38.25 kg, Unag= 0.174 ~~ m/s
-Nema 23 (1.2 Nm model): T= 10.8, m = 65.57 kg, Unag= 0.58 m/s
-Nema 23 (2.2 Nm model): T= 18.8 Nm, m = 120.2 kg, Unag= 0.872 m/s - Neura 23 (1.2 N·m): T=32.4N.m , n= 186.7kg , Umar 0.183 m/5 Impolestage reduction

-Nema23(2.2 N.m); T= 58.4 N.m, M- 360.616 , Umax= 0.28 m/s

CamScanner