

Gear couple parameters - Transmitted power 1.5Hp; Electric motor - smooth operation

Pinion torque - 33Nm(24lbf)
Pinion speed - 320rpm

Gear torque - 220Nm(162lbf)
Gear speed - 49rpm

Gear width: $b=28\text{mm}(1.1'')$

$Z1=12; Z2=80; m=3\text{mm}(0.12'')$
 $d1=36\text{mm}(1.42''); d2=240\text{mm}(9.45'')$
 $x1=1\text{mm}(0.039'); x2=-1\text{mm}(-0.039'')$

