

Gear

Model	143991
Reduction	231
Stages	4
Max cont. T.	1800
Max int T	2700
Efficiency	0.49

Motor

Model Number	220407
Size	24
Power	10
Nominal V	18
No Load Speed	8910
No Load Current	10.7
Nominal Speed	7510
Max. Cont. T	10.6
Max. Cont I	0.561
Stall T	67.4
Starting I	3.51
Max efficiency	89
Terminal R	5.13
Terminal L	0.251
T constant	19.2
V constant	497
V/T gradient	133
Mech. Time Const.	6.01
Rotor inertia	433
Max Speed	16000

System Details

Minimum system Voltage	10
Maximum system voltage	16
Nominal System Voltage	12.5
Maximum Running T (mNm)	600
Maximum Intermitent T (mNm)	1000
Current 6 port Running T (mNm)	313
Current 6 port rotation time	2.1

Summary	
Motor	220407
Size	24
Gearhead	143991
Stages	4
Max output T based on Motor max T	1200
Max output T based on Minimum V	4236
Maximum power at Maximum Running T	4.4
%motor max T at Maximum Running T	50%
%motor max I at Maximum Running T	49%
%gear head at continous	33%
%gear head at intermittent	37%
Motor Speed at Current 6 port and Maximum System Voltage	7585
Time to rotate at Maximum Running T and Nominal system V	2.5
Time to rotate at Current 6 port Running T and Nominal system V	2.4

<---

<---