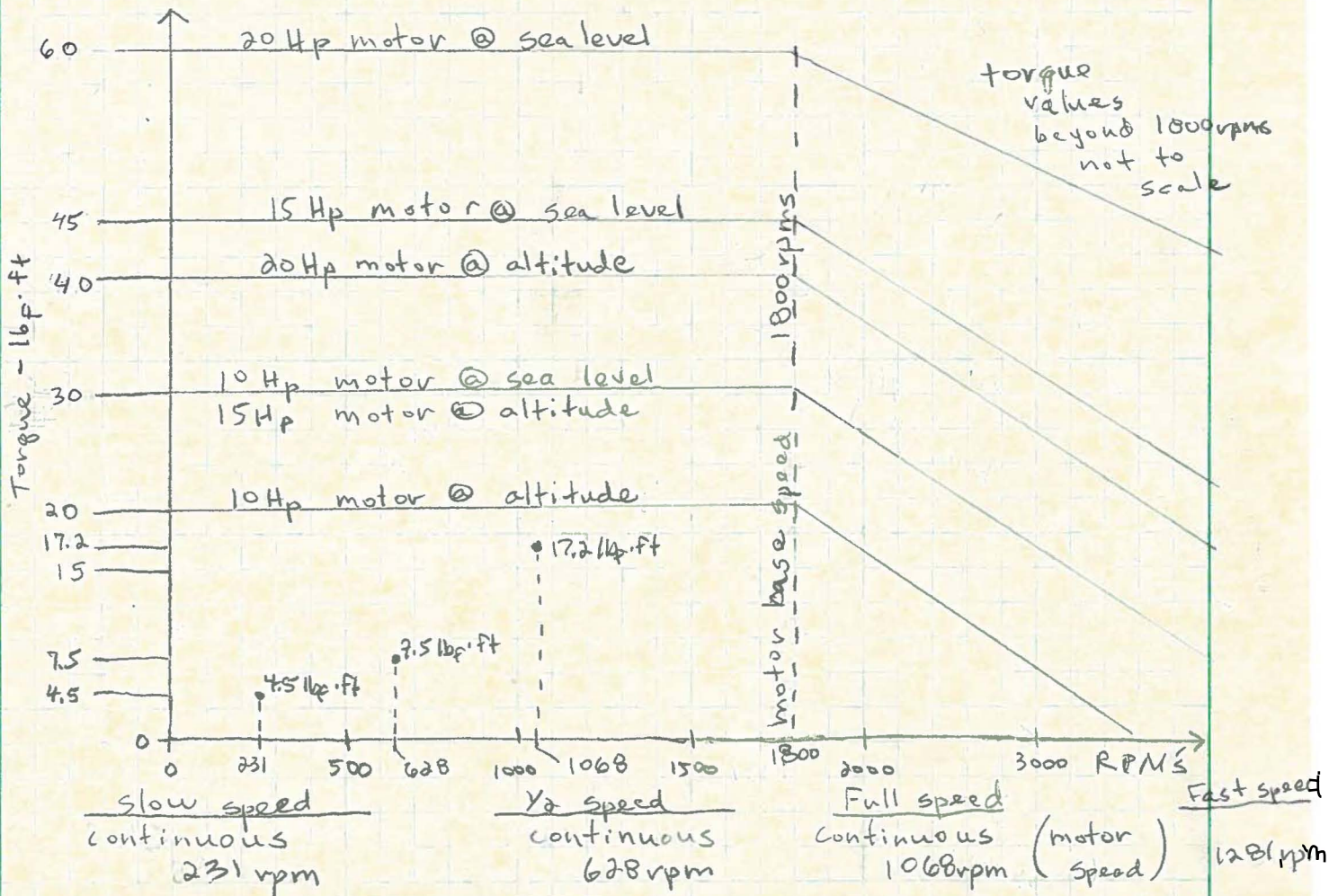


CFHT
8/9/10

CFHT electric drive / Motor Performance (dome drive)



Electric motor torque delivered	1/4 Hp		0.9 Hp		3.5 Hp		motor torque required
	sea level	@ alt	sea level	@ alt	sea level	@ alt	
10 Hp	30 lb.ft	20.3 lb.ft	30	20.3	30	20.3	"
15 Hp	45 lb.ft	30.4 lb.ft	45	30.4	45	30.4	Same
20 Hp	60 lb.ft	40.6 lb.ft	60	40.6	60	40.6	"

Gear box mechanical advantage / reduction ratio: 1:140
 Wheel reduction ratio : 1:45.75
 Total drive train reduction ratio : 1:6405

No. 937 811E
 Engineer's Computation Pad
STAEDTLER