



Student Name: _____

D A T A S H E E T

Magnetizing Current	Voltage (V)	Left Index	Right Index	Radius (m)	Diameter	Velocity (m/s)	Mass (kg)
1.0 amp	100						
	125						
	150						
	175						
	200						
1.25 amps	100						
	125						
	150						
	175						
	200						
1.50 amps	100						
	125						
	150						
	175						
	200						
1.75 amps	100						
	125						
	150						
	175						
	200						
2.0 amps	100						
	125						
	150						
	175						
	200						

Key Equations:
$FB=qvb$
$FC=mv^2r$
$r=mv^2/qvB$
$mv=Bqr$