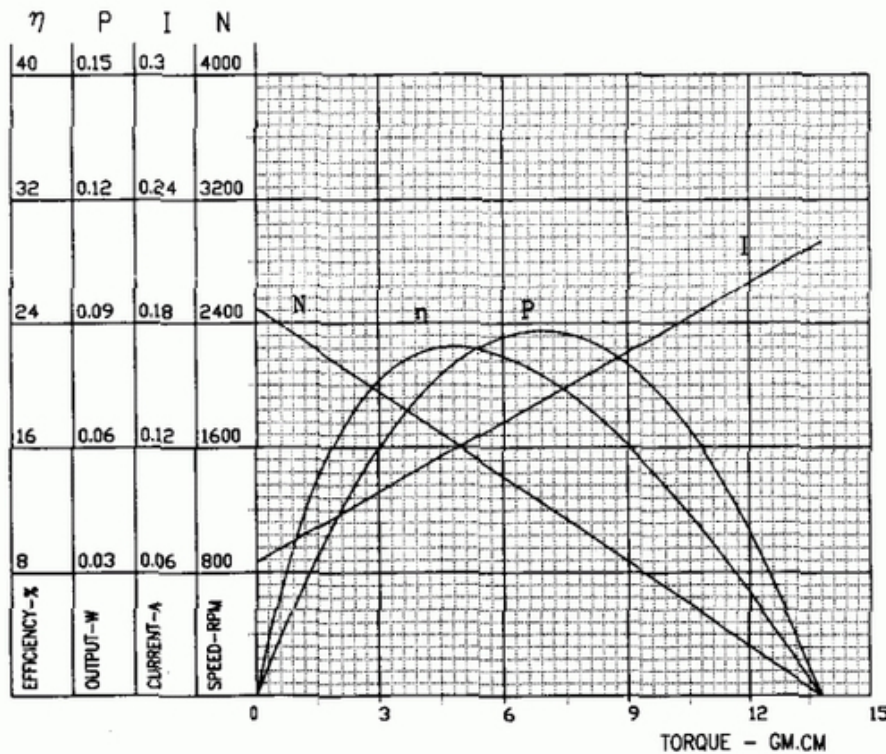


MOTOR PERFORMANCE CURVES AND CHARACTERISTICS:

Solarbotics RM2

VOLTAGE: 3.0 V



PERFORMANCE

AT NO LOAD

SPEED = 2500 RPM
CURRENT = 0.065 AMP

AT STALL EXTRAPOLATION

TORQUE = 13.8 G.CM
CURRENT = 0.22 AMP.

AT MAXIMUM EFFICIENCY:

EFFICIENCY = 22.5 %
SPEED = 1620 RPM
TORQUE = 4.9 G.CM
CURRENT = 0.12 AMP.
OUTPUT = 0.081 WATTS

AT MAXIMUM OUTPUT

SPEED = 1250 RPM
TORQUE = 6.9 G.CM
CURRENT = 0.11 AMP.
OUTPUT = 0.088 WATTS

CHARACTERISTICS

TORQUE CONSTANT = 89.032 G.CM/AMP.
E.M.F CONSTANT = 8.073 mV/Rod/Sec
DYNAMIC RESISTANCE = 13.636 Ohms
MOTOR REGULATION = 181.159 RPM/G.CM

NOTE: THE CURVES REPRESENT THE THEORETICAL PERFORMANCE OF THE FEW SAMPLES, FOR REFERENCE ONLY.