

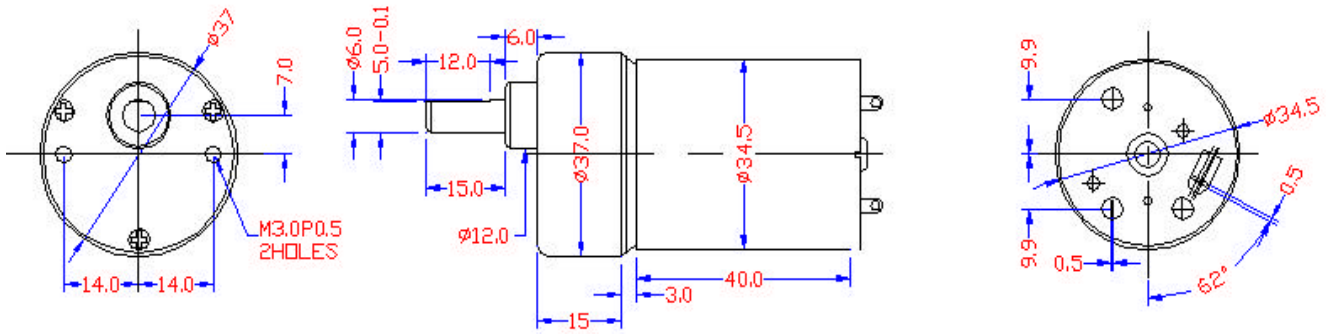
HENNKWELL IND. CO., LTD.

Dynamic Test Report

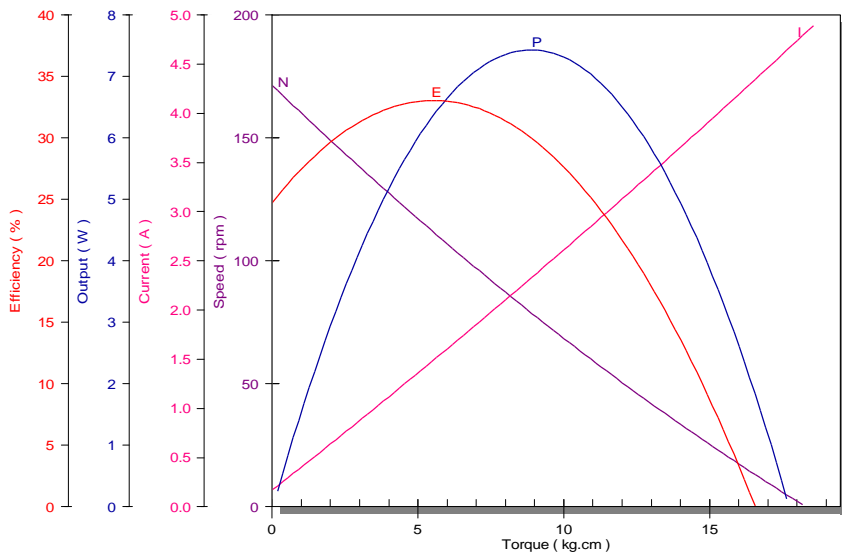
Product: DC Gear Motor
 Customer: KG37-960607-01
 Mode NO.: KG37F260-030
 Test Date: 2007/6/7 2:24 pm

Rated Voltage: 12 VDC
 No Load Speed: 180 RPM
 No Load Current: 0.11 A
 Gear Ratio: 1:30

(A) Dimensional Figures:



(B) MOTOR PERFORMANCE CURVES AND CHARACTERISTICS:



Supply Voltage = 12 VDC

AT NO LOAD

SPEED = 180 RPM
 CURRENT = 0.11 AMP

AT STALL EXTRAPOLATION

TORQUE = 18.38 kg-cm
 CURRENT = 4.84 AMP

AT MAXIMUM EFFICIENCY

EFFICIENCY = 33.04 %
 SPEED = 112.4 RPM
 TORQUE = 5.46 kg-cm
 CURRENT = 1.47 AMP
 OUTPUT = 6.32 WATTS

AT MAXIMUM OUTPUT

SPEED = 78.5 RPM
 TORQUE = 8.92 kg-cm
 CURRENT = 2.33 AMP
 OUTPUT = 7.43 WATTS
 EFFICIENCY = 29.94 %

Torque Conversions:

1.0 kgf-cm = 0.098 Nm = 98 mNm
 = 13.887 oz-in = 0.867 lb-in

PREPARED BY: _____

APPROVED BY: _____