

JOHNSON ELECTRIC ENGINEERING LTD.

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Project No : Production Motor
Curve No : HC315G-31348

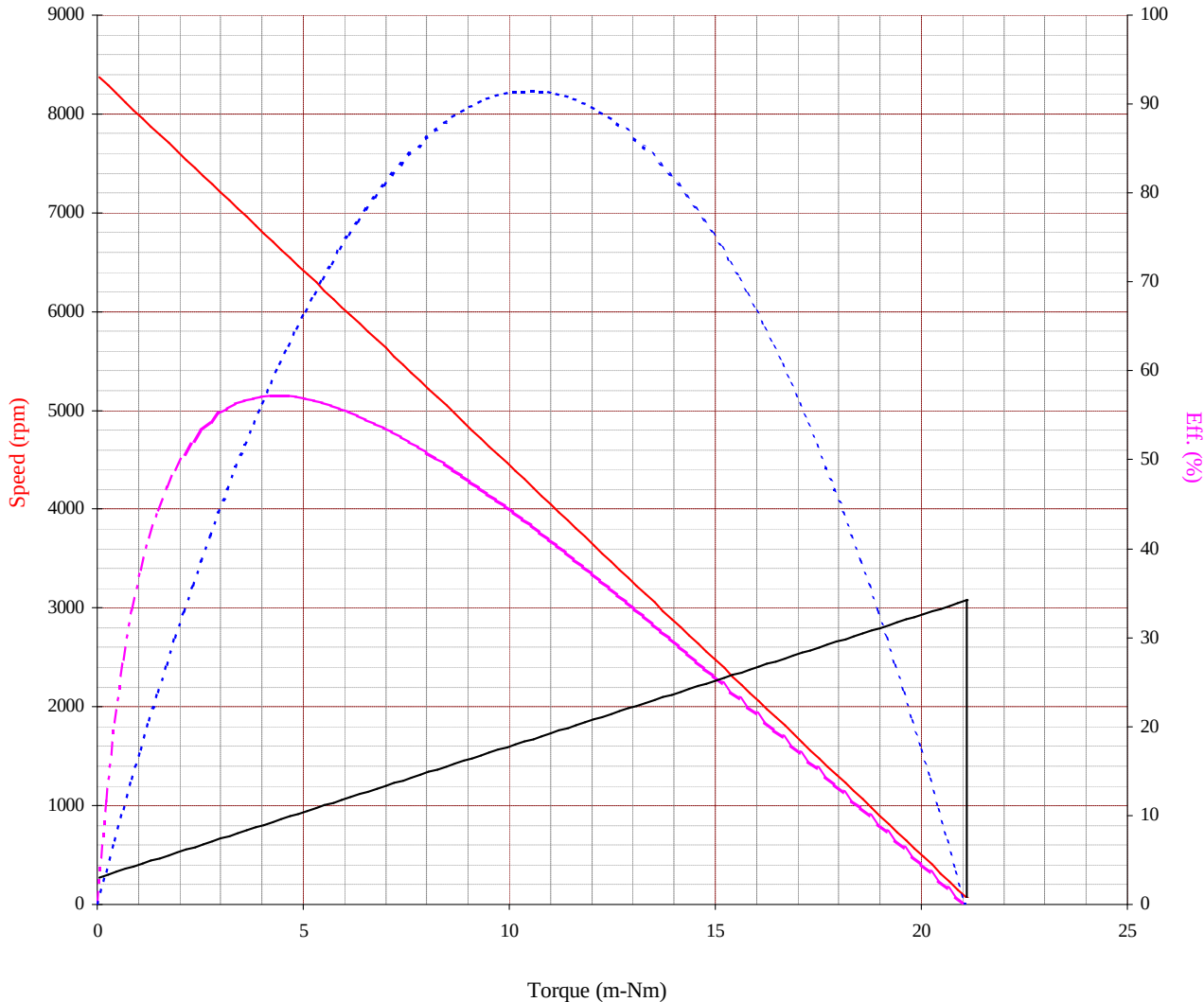
Winding : 0.16 - 125

Date : 18/11/1999
Model :

Full Scales :

5.00 Amp

5.00 Watts



Motor tested rapidly to prevent significant temperature rise.

At a constant voltage of **12.00** Volts
with a circuit resistance **0.000** Ohm

(At the ambient temperature of 25~30 deg C)

At No Load

Speed : 8303 Rpm

Current : 0.115 Amp

At Stall (Extrapolated)

Torque : 21.05 m-Nm

Current : 1.67 Amp

At Maximum Efficiency

Efficiency : 57.21 %

Torque : 4.42 m-Nm

Speed : 6559 Rpm

Current : 0.44 Amp

Output : 3.04 Watts

At Maximum Power

Torque : 10.53 m-Nm

Speed : 4152 Rpm

Current : 0.89 Amp

Output : 4.57 Watts

Characteristics

Torque Constant : 13.5160 m-Nm/Amp

Dy. Resistance : 7.1740 Ohms

Motor Regulation : 394.3860 Rpm/m-Nm

COMPUTER PRINT-OUT
NOMINAL MOTOR CURVES.
Performance and characteristics are measured based on
limited motor samples only.

Reference no : 36201