



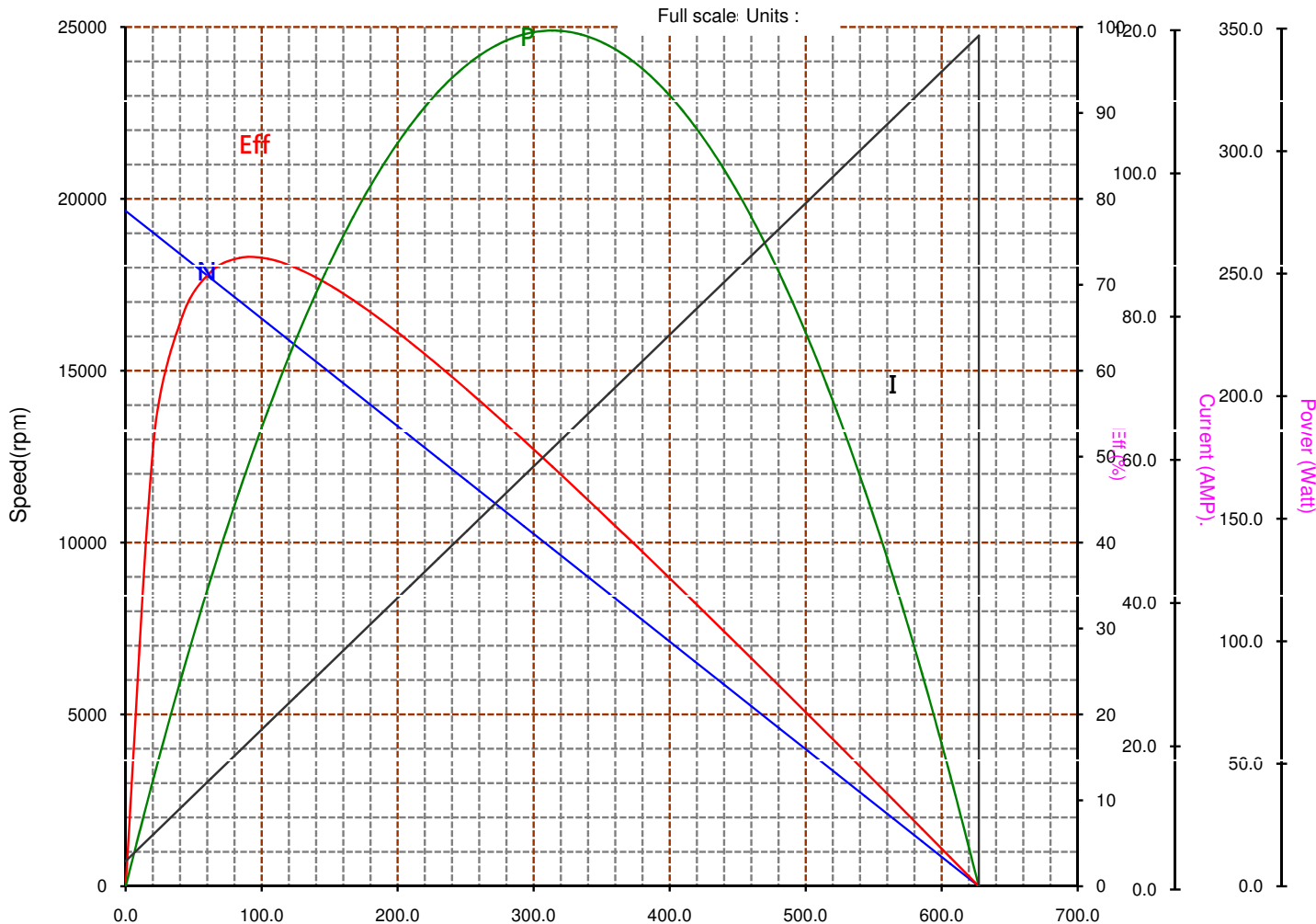
Chiaphua Components

Group of Companies

<http://www.cclmotors.com>

Project No : DF
 Proposal No: DF
 Winding : 0.80 - 10
 Motor test reference no : DF-30 (CW)

Operator : LI JIE
 Date : 2017/07/26



Performance (In an ambient temperature of 25 -30 C)
 Motor tested rapidly to prevent significant temperature rise.

At a constant voltage of **12.00** Volts
 With a circuit resistance **0.000** Ohms

AT No Load (SIM.)
 Speed : 19649 Rpm
 Current: 3.162 Amp

At stall (Extrapolated)
 Torque : 627.260 m-Nm
 Current: 106.918 Amp

At maximum efficiency
 Efficiency : 73.24 %
 Torque : 92.042 m-Nm
 Speed : 16765 Rpm
 Current : 18.387 Amp
 Output : 161.596 Watts

At maximum power
 Torque : 313.630 m-Nm
 Speed : 9824 Rpm
 Current : 55.040 Amp
 Output : 322.662 Watts

Characteristics
 Torque Constant : 6.046 m-Nm/Amp
 E.M.F Constant : 6.046 mV/rad/sec
 Dy. Resistance : 0.112 Ohms
 Motor Regulation: 31.325 Rpm/m-Nm

Calculation

At Torque Level:		At Fan:	
Torque:	m-Nm	Torque:	m-Nm
Speed:	Rpm	Speed:	Rpm
Current:	Amp	Current:	Amp
Efficiency:	%	Efficiency:	%
Output:	Watts	Output:	Watts

COMPUTER PRINT-OUT
 NOMINAL MOTOR CURVE
 Performance and characteristics are