

No.	Item	Specification	No.	Item	Specification
1	Rated Voltage	12V DC	7	Brushes	Carbon Brushes
2	Gear Ratio	210:1	8	Temperature	-40°C to +80°C
3	No Load Current	40mA	9	Rated Load Speed	60±12%RPM
4	No Load Speed	75±12%RPM	10	Rated Load Current	100mA
5	Stall Torque	1800g.cm	11	Rated Load Torque	36mN.m
6	Stall Current	0.32A			

Drawn	Tony	04/29/2025	Unit: mm	
Checked	Eva	04/29/2025	Kysan Electronics www.kysanelectronics.com	
Eng Appr.				
Mfg Appr.				
Q.A.				
SKU: 1150238			Siae: A4	Weight(Kg):
			Scale	

A

A

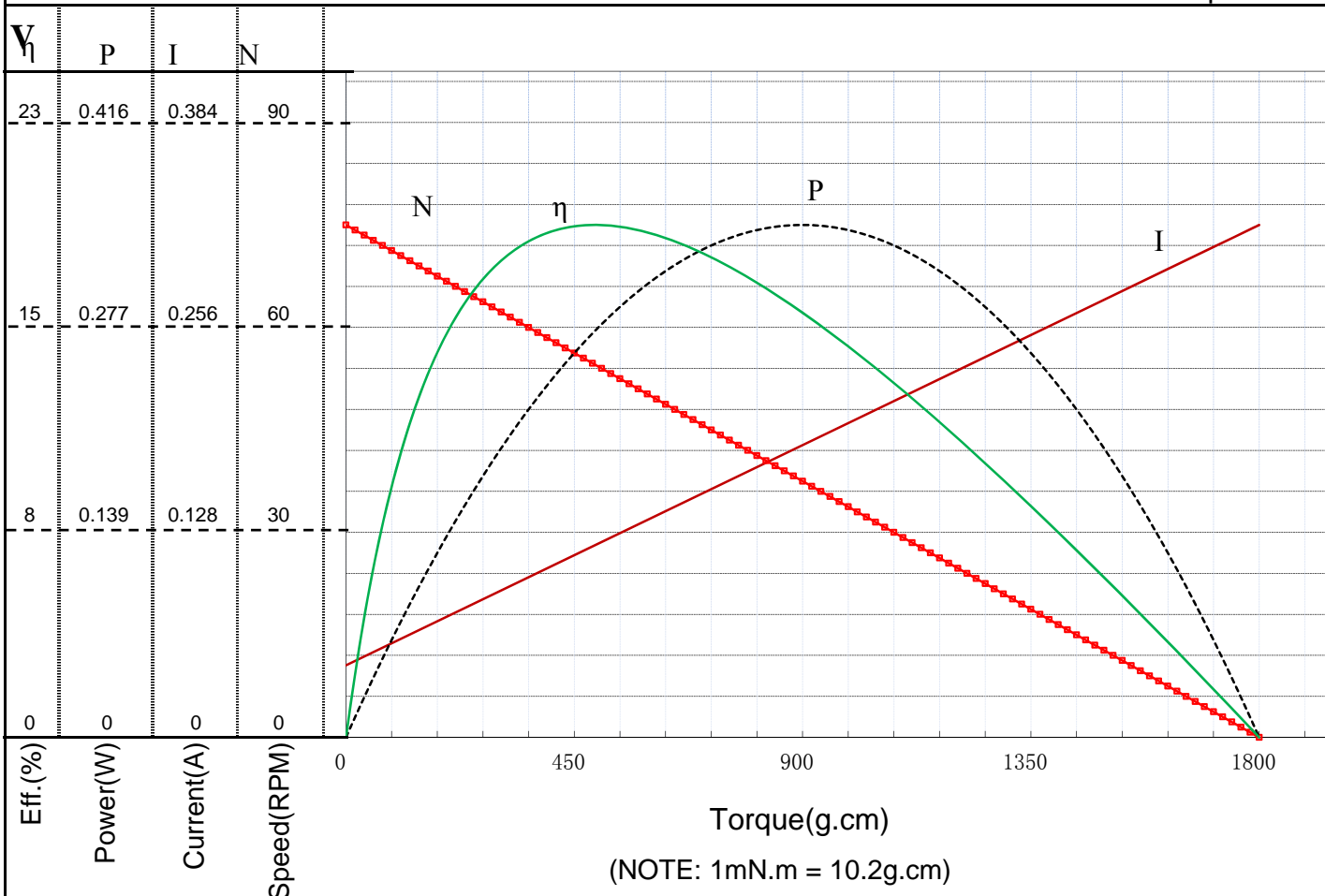
GRAPH DRAWING

Sample No: 0
 Model: A12-FT-12V75RPM-NCB

SKU: 1150238 Date: 2026/5/21

—— Efficiency
 - - - - Power output

NOTE: Performance(in an ambient temperature of 20-23°C)
 Motor tested rapidly to prevent significant temperature rise.



Constant v	12.0	Volts
Direction:	CW	
At No Load		
Speed:	75	rpm
Current:	0.045	A
At stall(Extrapolated)		
Torque:	1800.0	g.cm
Current:	0.320	A
At maximum efficiency		
Efficiency:	19.1	%
Torque:	486.0	g.cm
Speed:	55	rpm
Current:	0.12	A
Output:	0.27	W
At maximum Power output		
Output:	0.35	W
Torque:	900.0	g.cm
Speed:	38	rpm
Current:	0.18	A

Issued by QA Reliability Testing Center

COM
 NOM
 Perf
 on li

load current=100mA
 load speed=60rpm
 load torque=36mN.m

measured based

Prepared by:

Checked by:

Approved by:

Date: