

ErP Report

(For ErP Directive 2009/125/EC, COMMISSION REGULATION (EU) No 327/2011)

NIDEC ADVANCED MOTOR CORPORATION

2025/2/7

R&D Dept.I

Report No. K102250003

Approval : Y.Kato

Preparation : Y.Arai

Basic Information of FAN

Model name	G1238V54BHZP-xx
Fan type	AXIAL FAN

Specification Information of FAN

No.	Item	Data
1	η_{target}	29.1%
2	Overall efficiency(η_e)	49.4%
3	Measurement category (A-D)	A
4	Efficiency category (static or total)	Static
5	Efficiency grade at optimum energy efficiency point	N=40
6	VSD is integrated within the fan	Yes
7	Year of manufacture	From 2025
8	Manufacturer's name and place of manufacturer	NIDEC ADVANCED MOTOR(VIETNAM) CORPORATION Ho Chi Minh City, Vietnam
9	Product's Part number	G1238V54BHZP-xx
10-1	Rated motor power input(s) (kW) at optimum energy efficiency	0.187 kW
10-2	Rated motor flow rate(s) at optimum energy efficiency	215.5 CFM
10-3	Rated motor pressure(s) at optimum energy efficiency	3.2 inch-H ₂ O
11	Rated motor rotations per minute at optimum energy efficiency	12000 RPM
12	Specific ratio	1.013
13	Information relevant for facilitating disassembly, recycling or disposal at end-of-life	Method of disassembly : by needle nose pliers Materials that can be recycled : Impeller PPS-GF40 Housing ADC12
14	Information relevant to minimise impact on the environment and ensure optimal life expectancy as regards installation, use and maintenance of the fan	Meeting Rohs requirement. Impeller and Housing can be recycle.
15	Description of additional items used when determining the fan energy efficiency, such as ducts.	There is no obstacle at inlet and outlet of fan to measure performance.

P-Q Performance

