

ErP Report

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

NIDEC ADVANCED MOTOR CORPORATION

Basic Information of FAN

2023/4/1

R&D Dept.I

Report No. K102230027

Approval : Y.Kato

Preparation : T.Tamano

Specification Information of FAN

No.	Item	Data
1	η_{target}	30.4%
2	Overall efficiency(η_e)	57.9%
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 2021
8	Manufacturer's name and place of manufacturer	NIDEC ADVANCED MOTOR(VIETNAM) CORPORATION Ho Chi Minh City, Vietnam
9	Product's Part number	H1090E54BAZP-xx
10-1	Rated motor power input(s) (kW) at optimum energy efficiency	0.301 kW
10-2	Rated motor flow rate(s) at optimum energy efficiency	238.7 CFM
10-3	Rated motor pressure(s) at optimum energy efficiency	5.5 inch-H ₂ O
11	Rated motor rotations per minute at optimum energy efficiency	12400 RPM
12	Specific ratio	1.000
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 PC+LCP-GF45FR(16) 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

