

ErP Report

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

Nidec Servo Co., Ltd.

2018/9/4

R&D Dept.I

Report No K102180004

Approval : T.Shiraishi

Preparation : H.Miyajima

Basic Information of FAN

Model name	G1438E54BNZP-xx
Fan type	AXIAL FAN

Specification Information of FAN

No.	Item	Data
1	η_{target}	31.4%
2	Overall efficiency(η_e)	50.1%
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 2018
8	Manufacturer's name and place of manufacturer	NIDEC VIETNAM CORPORATION Ho Chi Minh City, Vietnam
9	Product's Part number	G1438E54BNZP-xx
10-1	Rated motor power input(s) (kW) at optimum energy efficiency	0.443 kW
10-2	Rated motor flow rate(s) at optimum energy efficiency	280.5 CFM
10-3	Rated motor pressure(s) at optimum energy efficiency	6.1 inch-H ₂ O
11	Rated motor rotations per minute at optimum energy efficiency	15600 RPM
12	Specific ratio	0.996
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 Diecast
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

