Oriental motor

XF3001279-2

Technical data

Ecodesign for Sustainable Products Regulation

Technical data accroding to COMMISSION REGULATION (EU) 2024/1834

		Actual	Req. 2026	Actual	Req. 2026	Actual	Req. 2026
(a)	Fan type	Axial Flow Fan					
(b)	Fan efficiency η (%)	34.0	30.1	33.0	30.0	34.9	30.1
(c)	Variable speed drive	No					
(d)	Measurement category	A					
(e)	Efficiency category	Static					
(f)	Efficiency grade *N*	53.9	50.0	52.9	50.0	54.8	50.0
(g)	Electric input power P_e (kW)	0.128		0.125		0.128	
	Volume flow rate q_v (m^3/h)	997		978		1007	
	Pressure difference Δp (Pa)	157		152		160	
(h)	Special characteristics	No					
(i)	DC voltage <100 V	No					
(j)	Significant elements	No					
(k)	Specific speed σ_{BEP}	N/A					
(l)	Fan speed (r/min)	3170		3150		3226	
(m)	Specific ratio	1.000					
(n)	Manufacturer's name	ORIENTAL MOTOR CO., LTD. 4-8-1 Higashiueno, Taito-ku, Tokyo 110-8536, Japan					
(o)	Model identifier	**MRS25-B** **MRS25-BB** **MRS25-BM**		**MRS25-D** **MRS25-DB** **MRS25-DM**		**MRS25-T** **MRS25-TB** **MRS25-TM**	
(p)	Disassembly, recycling or disposal at end-of-life	• Dispose the product correctly by sorting it according to laws and regulations, or instructions of local governments. • Do not disassemble the fan except for material sorting. • The product is primarily composed of steel, copper, aluminum, and plastic. For recycling, please separate materials according to the following categories: Steel Aluminum (e.g., frame) Non-ferrous metals (e.g., motor windings) Plastic (e.g., blades) Cables and wires Circuit boards					
(q)	Installation, use and maintenance	■ Installation location Install the product in the following location that provides easy access for inspection. The location must also satisfy the following conditions: • Inside an enclosure that is installed indoors • Operating ambient temperature: -30 to +60 °C[-22 to +140 °F] (non-freezing) • Operating ambient humidity: 85 % or less (non-condensing) • Area free from an explosive atmosphere or toxic gas (such as sulfuric gas) or liquid • Area not exposed to direct sun • Area free of excessive amount dust, iron particles or the like • Area not subject to splashing water (storms, water droplets), oil (oil droplets) or other liquids • Area not subject to continuous vibration or excessive shocks • Area free of radioactive materials, magnetic fields or vacuum • Area free of excessive electromagnetic noise (from welders, power machinery, etc.) When using a fan near a switching circuit or high-frequency power supply, the induced current may flow inside the fan due to electromagnetic noise (conductive noise, radiative noise). If the induced current flows, the electric corrosion is caused in the bearings of the fan. As a result, it may generate the noise or shorten the service life of the products. Use the fan in the environment that the electromagnetic noise does not cause. ■ Inspection It is recommended that periodic inspections for the items listed below are conducted after each operation. If an abnormal condition is noted, discontinue any use and contact your nearest Oriental Motor sales office. ● Inspection item • Check if any of the screws of the fan and peripheral equipment is loose. • Check if the fan generates unusual noises. ● Cleaning Method 1. Regularly inspect the fan to ensure proper operation and check for dirt. 2. If oil residue adheres, remove it promptly. 3. For cleaning, dilute a neutral detergent to the recommended concentration as needed. If used, wipe thoroughly to ensure no neutral detergent residue remains. 4. Do not use the following solvents or detergents for cleaning: petroleum solvents, alcohol-based solvents, acidic detergents, alkaline detergents, chlorine-based detergents 5. After cleaning, ensure the fan is completely dry to prevent moisture residue.					