

R.M.S VORTEX



The R.M.S Vortex is a New Zealand designed and built fan produced to meet the demand for a lightweight, powerful, portable ventilator. At free air the Vortex delivers an impressive 1000 cubic feet of air per minute. The Vortex is capable of handling high static losses and is therefore ideal for use with long runs of their flexible or rigid ducting.

The standard Vortex is powered by a 0.75kW 2800rpm TEFC single motor fitted with a lead and plug. The motor base and fan frame have four legs to provide optimum stability. Rubber feet are fitted to prevent the machine from slipping whilst in use and to avoid damage to the surfaces on which it is placed. The carry handle is located over the machine's centre of gravity for ease of handling. At a well-balanced 17kg, the Vortex is easily managed by one person.

An inlet finger guard is standard on the vortex fan. Metalwork on the Vortex is electro galvanised. The cast aluminium impeller is generously proportioned for strength and dynamically balanced for smooth vibration-free operation. The fan scroll is rotationally moulded plastic finished in biege.

APPLICATIONS:

Engineering:

Welding fume removal, fresh air supply to welders operating in confined spaces. Personnel coolers in boilerhouses, foundries and other hot working environments.

Plant Maintenance:

The supply of fresh air to or the extraction of obnoxious or dangerous fumes from poorly ventilated areas encountering the course of plant maintenance.

Chemical:

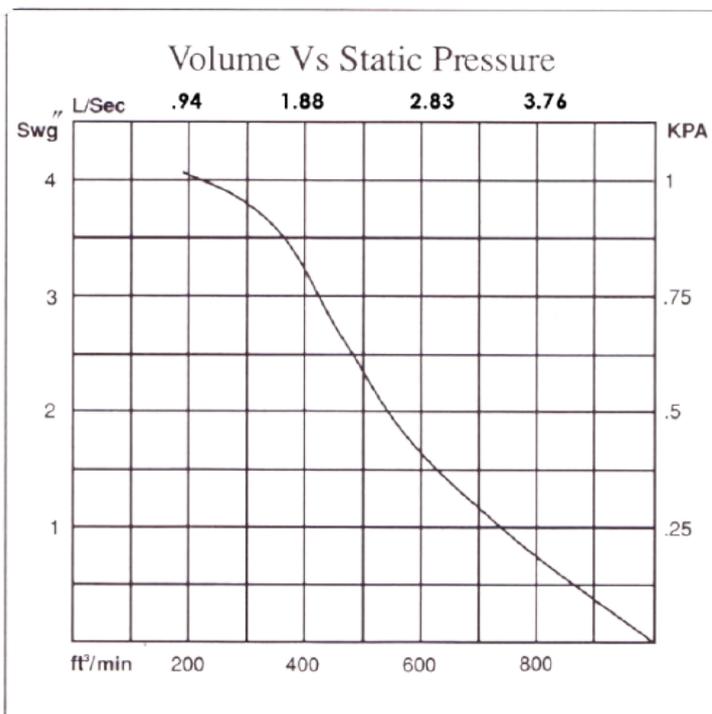
Fume cupboard ventilation, chemical stores, and localised ventilation during packing and handling.

Manufacturing:

Forced cooling of products, extrusion cooling, machinery venting, fine dust removal.

Electrical:

Forced cooling of switchrooms switch cabinets, capacitor banks, contactors, chokes and electronic components.



A number of variants of the standard Vortex are available. Belt drives, flameproof motors, 1400rpm motors, 400V three-phase motors, 230V and 400V variable speed controllers can all be fitted to the Vortex fan. Specialised finishes such as stainless steel frames and impellers, internal scroll coatings for the chemical industry or for outdoor applications are available. Vortex fans are suitable for permanent installations in ducted systems or for inclusion in permanent plant and machinery such as vacuum tables, glass handling tables, forced cooling banks, heat exchanges, product blast dryers, dust extractors and plastic greenhouse inflation.

Free air capacity	999cfm
Maximum Total Pressure	4" Twg
Noise Level (open inlet/outlet)	89dBa
Noise Level (Damped inlet)	80dBa
Motor kW	0.75
Motor speed	2800rpm
Supply Voltage	230V 50Hz 1ph
Full Load Current	4-8 Amps
Rating	MCR
Weight	17kg
Spigot Diameters (approximate)	150mm DIA

