



Technical Data

RELEASED: 10/1/2025
REVISED: 10/07/2026
REV: 06

2VM ATEX Pneumatic Vane Motor Stainless Steel Construction

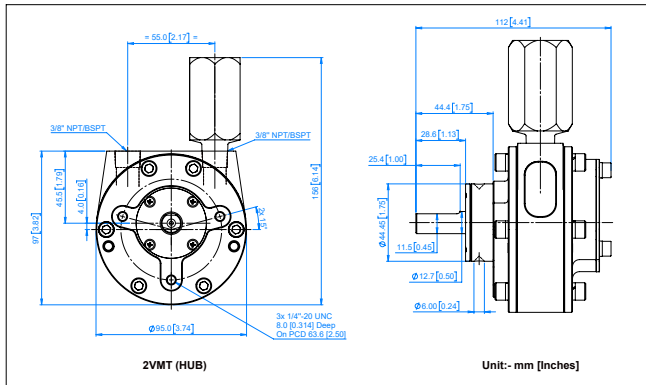


Hub



IEC / NEMA

Dimensional Data - Hub Mounting-2VM

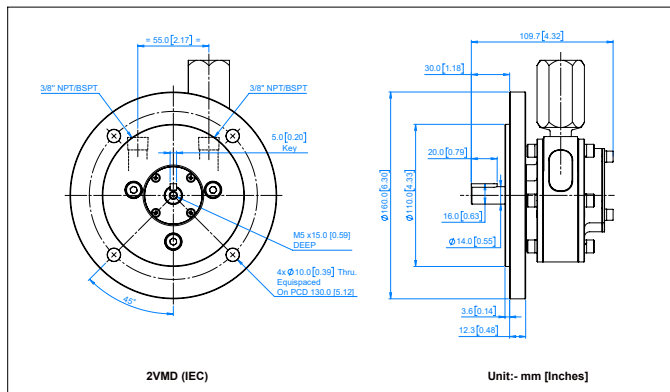


Performance

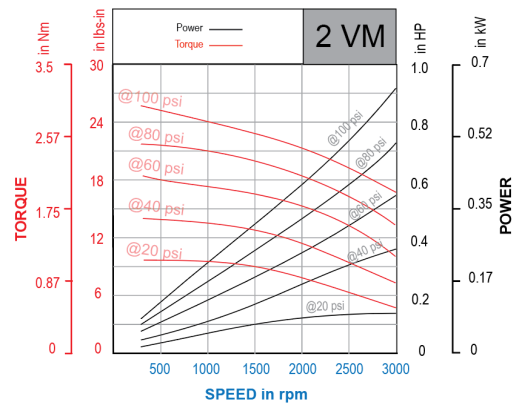
Max output power	0.68kW (0.91hp)
Speed at max power	3000 RPM
Maximum torque	3.05Nm (26.99lb-In)
Air consumption at max. power	49.5m ³ /hr (30cfm)
Ambient Safe Operating Temperature	0°C to 120°C
• Non explosive zone	Up to 40°C
• Explosive zone	
Max. allowable operating speed in any direction	3000 RPM
Working pressure	7kg/cm ² (100 psi)
Material of construction : End plates, cylinder - CF8M (Equivalent casting grade -SS316) Rotor - SS316 Bearing - SS Fasteners - SS 304 Rotor blade : Poly amid	

Note: These performance figures apply to a 4 vane model with an unrestricted exhaust.

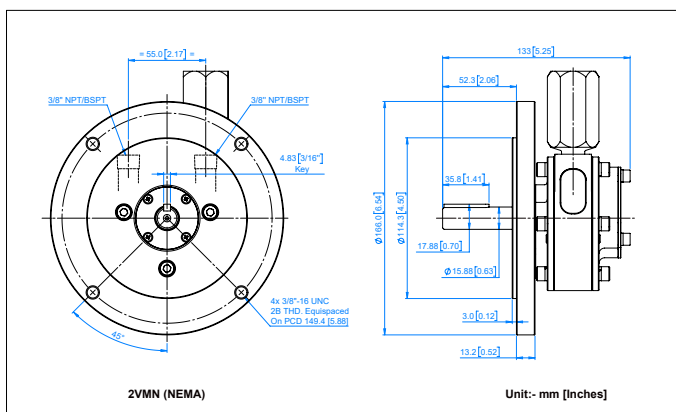
Dimensional Data - IEC Mounting-2VM



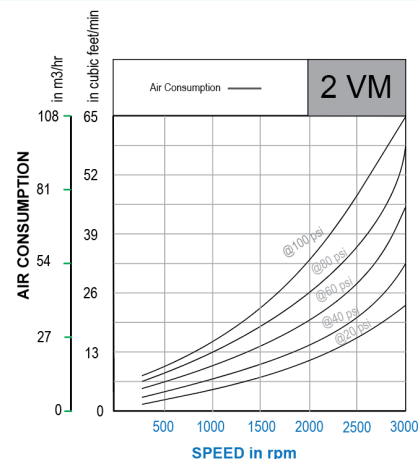
Power & Torque Graph



Dimensional Data - NEMA Mounting-2VM



Air Consumption Graph



Weight & Finish

Air Motor Type	Weight	Finish
Hub Mounting	2.8 Kg (6.2 lbs)	Shining Buff
IEC Mounting	4.8 Kg (10.6 lbs)	Shining Buff
NEMA Mounting	4.8 Kg (10.6 lbs)	Shining Buff

Nomenclature

Size	Motor Type	Mounting	Lubricated or Lube-Free	Material of Construction	Explosion Proof	Threading on Inlet and Outlet	Direction of Rotation	No of Vanes
1	VM-Vane Type Motor	L- Face type	O - Lube Free	L - SG Iron	EX	R- NPT	C - Clockwise	4
2		S- Foot type		S - Stainless Steel		G - BSPT	A - Anticlockwise	6
4		T - Hub		H - SGI Housing with Aluminum End Plates		P - BSPP	R - Reversible	8
6		D - IEC Flange type						
8		N - NEMA Flange type						
16								

For example

1. 4VMLOLEXRR4 is a size 4, Vane type, Face Mounted, SG Iron MOC, Explosion Proof, NPT Threading, Reversible with 4 Vanes
2. 4VMLOLEXGR8 is a Size 4, Vane type, Face Mounted, SG Iron MOC, Explosion Proof, BSPT Threading, Reversible with 8 Vanes
3. 1VMTOLEXRA4 is a Size 1, Vane type, Hub Mounted, SG Iron MOC, Explosion Proof, NPT Threading, Anti-clockwise with 4 Vanes
4. 2VMTOHEXRR4 is a Size 2, Vane type, Hub Mounted, SG Iron Hsg. with Aluminium End Plates, Explosion Proof, NPT Threading, reversible with 4 Vanes

ATEX Code

Model : 1VM-SS Series, 2VM-SS Series, 4VM-SS Series, 6VM-SS Series.

Ex II 2 GD Ex h IIC T6 Gb

Ex II 2 GD Ex h IIC T850C Db

Amb. Temp (up to +40° C)

Muffler for 2VM Series

Part No	Description	Thread Connection	Motor Size
8039808	Muffler NPT	3/8" NPT	2VM
8039809	Muffler BSPT	3/8" BSPT	2VM

