

Foot

Face

IEC / Nema

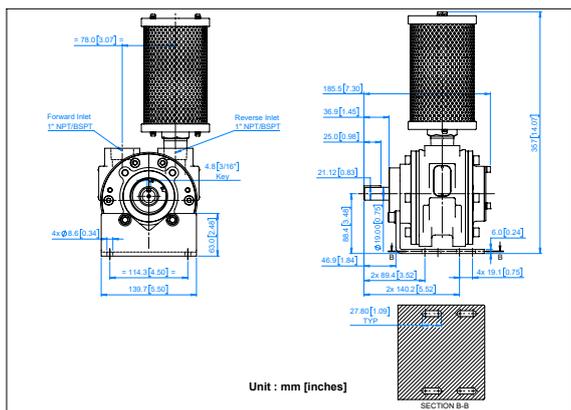
# Technical Data

## 8VM Ex Pneumatic Vane Motor

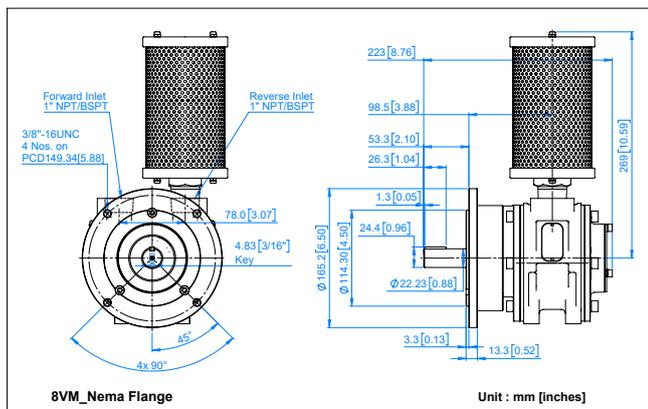
### PERFORMANCE

Max Output Power	3.9kW (5.25hp)
Speed at Max Power	2500 RPM
Maximum Torque	21Nm (185lb-In)
Air Consumption at Max Power	293m <sup>3</sup> /hr (175cfm)
Ambient Safe Operating Temperature	
• Non Explosive Zone	0°C to 120°C
• Explosive Zone	0°C to 40°C
Maximum Allowable Operating Speed	
In any Direction	2500 RPM
Working Pressure	7kg/cm <sup>2</sup> (100 psi)

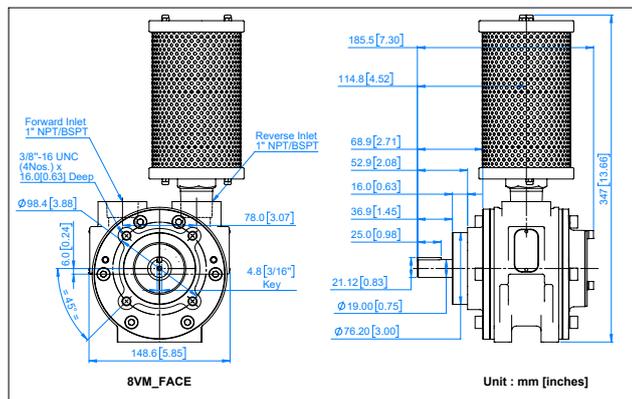
### Dimensions Data - Foot Mounting-8VM



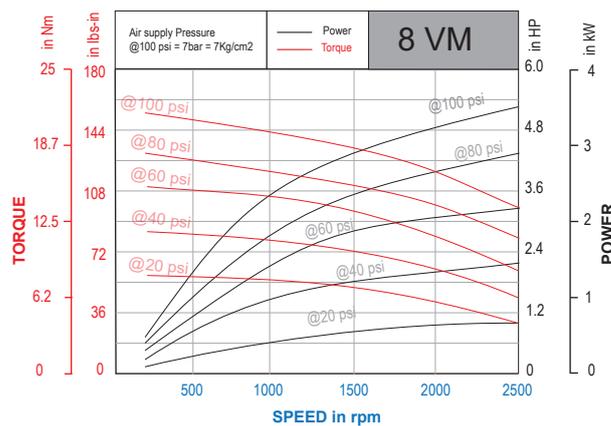
### Dimensions Data - Nema Mounting-8VM



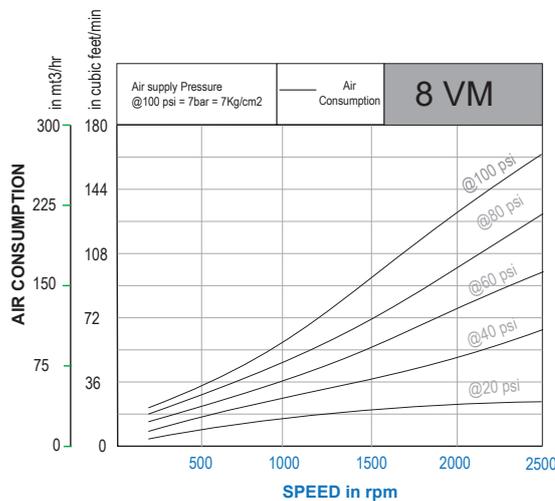
### Dimensions Data - Face Mounting-8VM



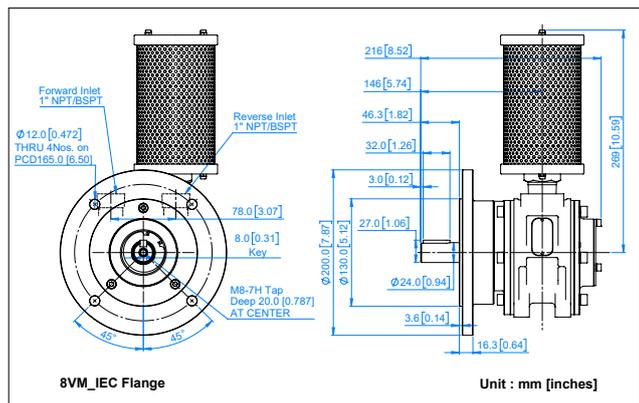
### Power & Torque Graph



### Air Consumption Graph



## Dimensions Data - IEC Mounting-8VM



## Weight & Finish

Air Motor Type	Weight	Finish
Face Mounting	11.4 kgs (25.1 lbs)	Silver
Foot Mount	11.7 kgs (26.0 lbs)	Silver
IEC Mounting	14.0 kgs (31 lbs)	Silver
NEMA Mount	14.0 kgs (31 lbs)	Silver

## Nomenclature

X	X	X	X	X	X	X	X	X
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	L- Face Type	A- Lubricated O - Lube Free	L - SG Iron S - SS A - Aluminum	EX	R- NPT G - BSPT P - BSPP	C - Clockwise A - Anticlockwise R - Reversible	4 6 8
2		S- Foot Type						
4		T - Hub						
6		D - IEC Flange Type						
8		N - NEMA Flange Type						
16								

### For example

4VMLALEXRR4 is a size 4, Vane type, Face Mounted, Lubricated, SG Iron MOC. Explosion Proof, NPT Threading, Reversible with 4 Vanes, 4VMTALEXRR8 is a Size 4, Vane type, Hub Mounted, Lubricated, SG Iron MOC, Explosion Proof, NPT Threading, Reversible with 8 Vanes, 1VMTALEXRA4 is a Size 1, Vane type, Hub Mounted, Lubricated, SG Iron MOC, Explosion Proof, NPT Threading, Anticlockwise with 4 Vanes

## Model Numbers

8VM-NPT Models	8VM-BSPT Models
8VMLALEXRR4	8VMLALEXGR4
8VMSALEXRR4	8VMSALEXGR4
8VMDALEXRR4	8VMDALEXGR4
8VMNALEXRR4	8VMNALEXGR4

## Ex Code

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

Ex II 2 GD Ex h IIC T6 Gb  
Ex II 2 GD Ex h IIIC T85°C Db

Model : 8VM Series, and 16VM Series

Ex II 2GD Ex h IIC T4 Gb  
Ex II 2GD Ex h IIIC T135°C Db

Amb. Temp ( +1° C to +40° C)