

Foot / Face

IEC / Nema

Released:

Revised:

Rev:

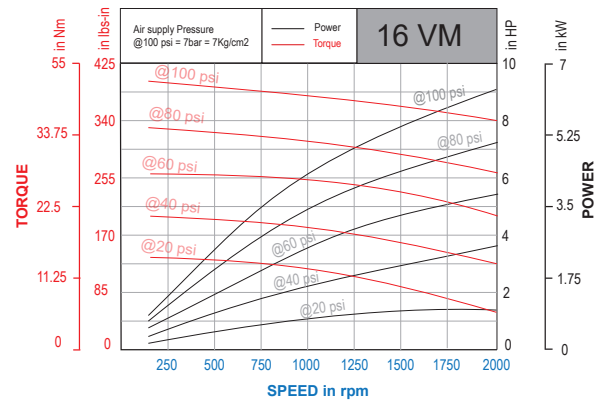
Technical Data

16VM Ex Pneumatic Vane Motor

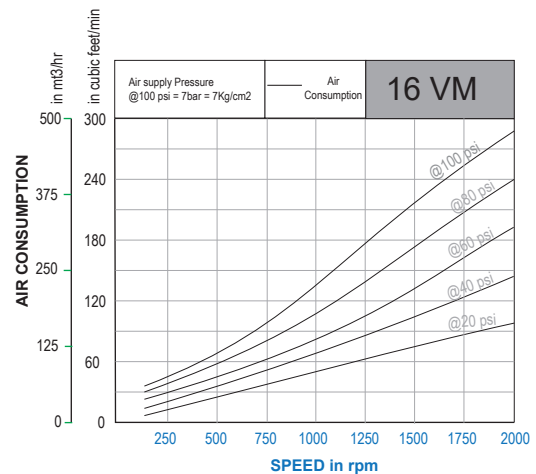
PERFORMANCE

Max Output Power	7.1kW (9.5hp)
Speed at Max Power	2000 RPM
Maximum Torque	43Nm (380lb-in)
Air Consumption at Max Power	475m³/hr (275cfm)
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	2000 RPM
Working Pressure	7kg/cm² (100 psi)

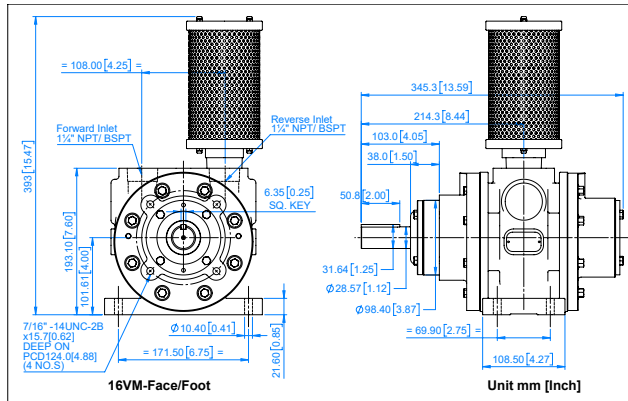
Power & Torque Graph



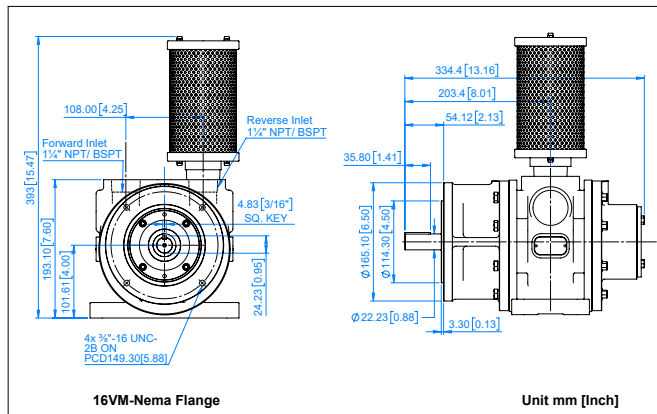
Air Consumption Graph



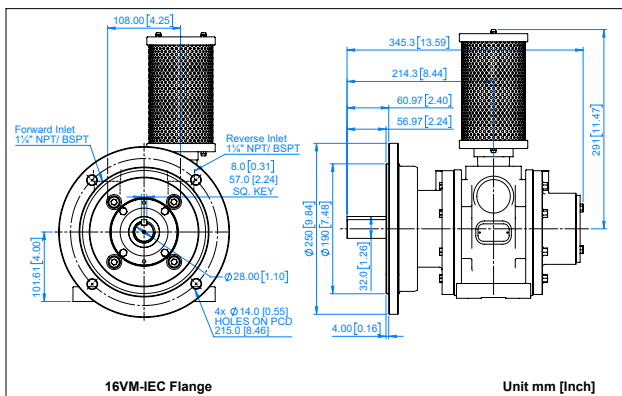
Dimensions Data - Foot Mounting-16VM



Dimensions Data - Nema Mounting-16VM



Dimensions Data - IEC Mounting-16VM



Weight & Finish

Air Motor Type	Weight	Finish
Face Mounting	36.1 kgs (79.6 lbs)	Silver
Foot Mount	36.1 kgs (79.6 lbs)	Silver
IEC Mounting	41.5 kgs (91.5 lbs)	Silver
NEMA Mount	36.5 kgs (80.4 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	4
2		S- Foot Type					A - Anticlock-	
4		T - Hub					wise	
6		D - IEC Flange Type					R - Reversible	
8		N - NEMA Flange Type						8
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

16VM-NPT Models	16VM-BSPT Models
16VMLALEXRR4	16VMLALEXGR4
16VMSALEXRR4	16VMSALEXGR4
16VMDALEXRR4	16VMDALEXGR4
16VMNALEXRR4	16VMNALEXGR4

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)