



Face



Foot



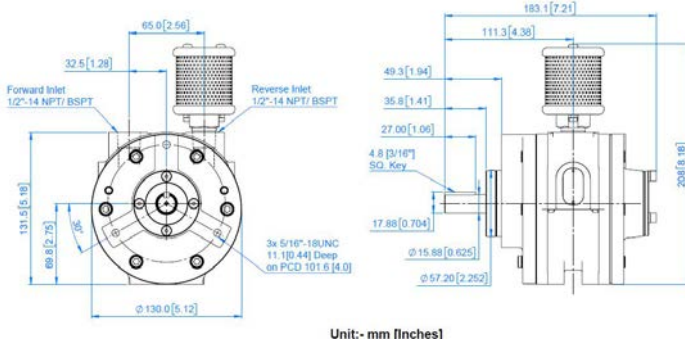
IEC / Nema

TECHNICAL DATA

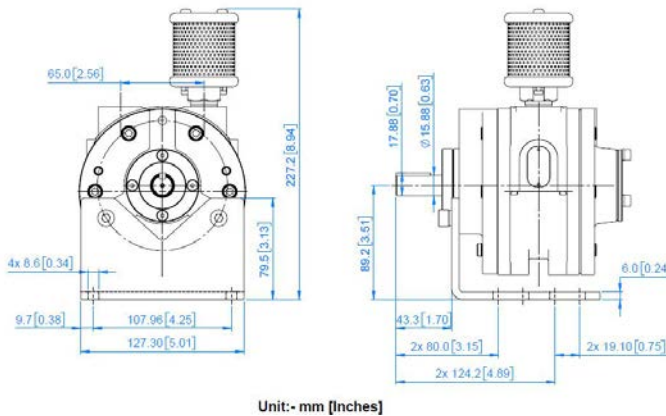
RELEASED: 11/04/2025
REVISED:01
REV:01

6VM Ex PNEUMATIC VANE MOTOR

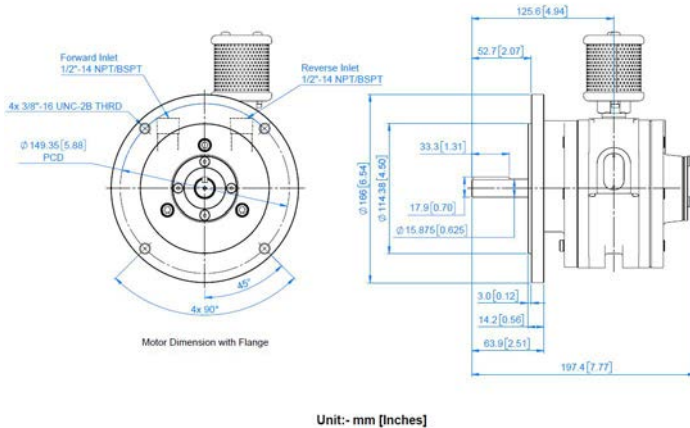
DIMENSIONAL DATA - FACE MOUNTING 6VM



DIMENSIONAL DATA - FOOT MOUNTING 6VM



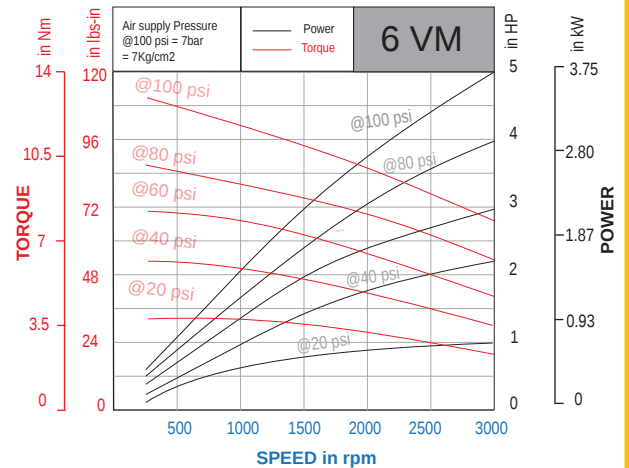
DIMENSIONAL DATA - NEMA FLANGE MOUNTING 6VM



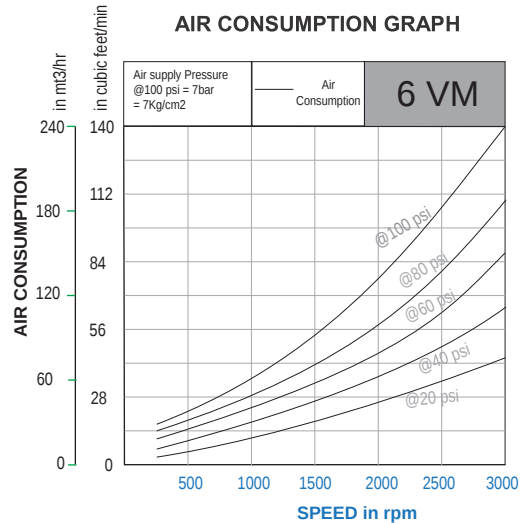
PERFORMANCE DATA

Max Output Power	3kW (4hp)
Speed at Max Power	3000 RPM
Maximum Torque	13Nm (115lb-In)
Air Consumption at Max Power	228m ³ /hr (134cfm)
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	3000 RPM
Working Pressure	7kg/cm ² (100 psi)

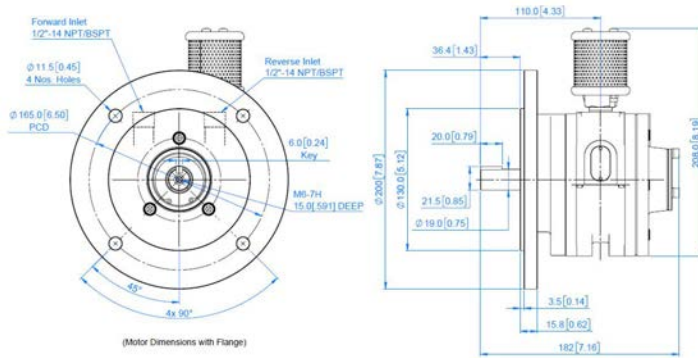
POWER & TORQUE GRAPH



AIR CONSUMPTION GRAPH



DIMENSIONAL DATA - IEC MOUNTING 6VM



Unit : mm [Inches]

WEIGHTS & FINISH

Air Motor Type	Weight	Finish
Face Mounting	8.2 kgs (18.0 lbs)	Silver
Foot Mounting	8.4 kgs (18.5 lbs)	Silver
IEC Mount	10.0 kgs (22.0 lbs)	Silver
NEMA Mount	9.0 kgs (20.0 lbs)	Silver

AIR MOTOR 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								

MODEL NUMBERS

6VML ALEX RR4	6VML ALEX RR8
6VMS ALEX RR4	6VMS ALEX RR8
6VMN ALEX RR4	6VMN ALEX RR8
6VMD ALEX RR4	6VMD ALEX RR8
6VML ALEX GR4	6VML ALEX GR8
6VMS ALEX GR4	6VM SALEX GR8
6VMN ALEX GR4	6VMN ALEX GR8
6VMD ALEX GR4	6VMD ALEX GR8



II 2GD Ex h IIC T6 Gb

II 2GD Ex h IIC T85° C Db