



Face



Foot



IEC / Nema

TECHNICAL DATA

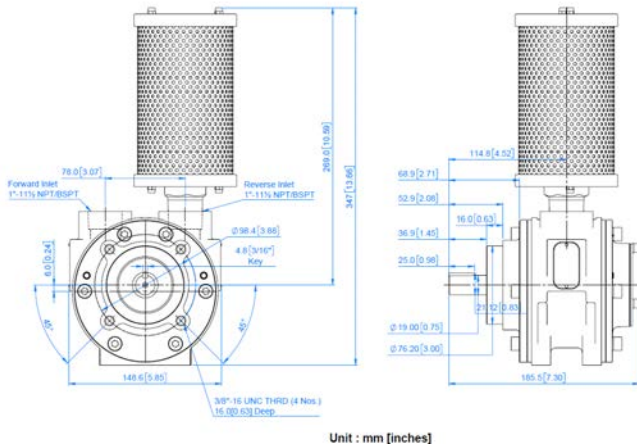
RELEASED:13/09/2024

REVISED:

REV: 00

8VM Ex PNEUMATIC VANE MOTOR

DIMENSIONAL DATA - FACE MOUNTING 8VM

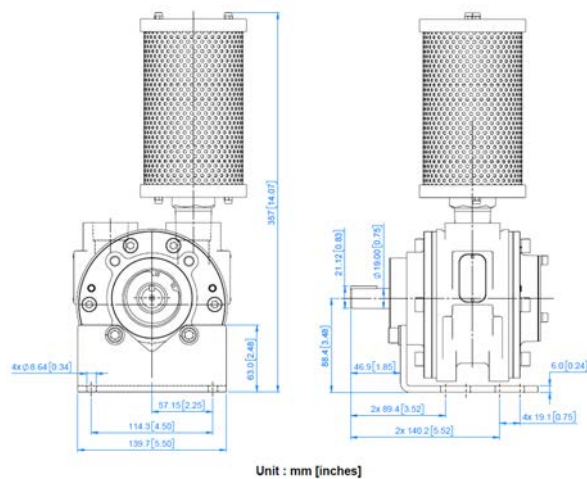


Unit : mm [inches]

PERFORMANCE DATA

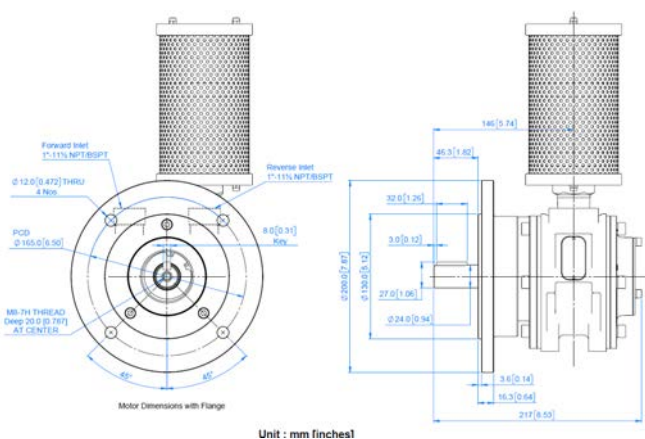
Max Output Power	3.9kW (5.25hp)
Speed at Max Power	2500 RPM
Maximum Torque	21Nm (185lb-In)
Air Consumption at Max Power	293m ³ /hr (175cfm)
Ambient Safe Operating Temperature	
• Non Explosive Zone	0°C to 120°C
• Explosive Zone	0°C to 40°C
Maximum Allowable Operating Speed	2500 RPM
In any Direction	
Working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

DIMENSIONAL DATA - FOOT MOUNTING 8VM



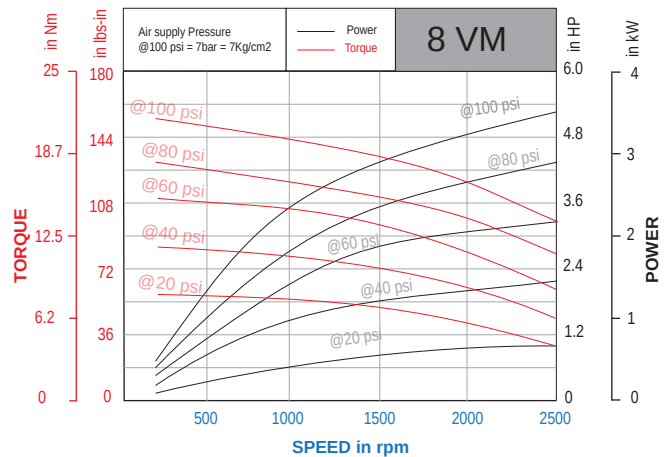
Unit : mm [inches]

DIMENSIONAL DATA - IEC MOUNTING 8VM

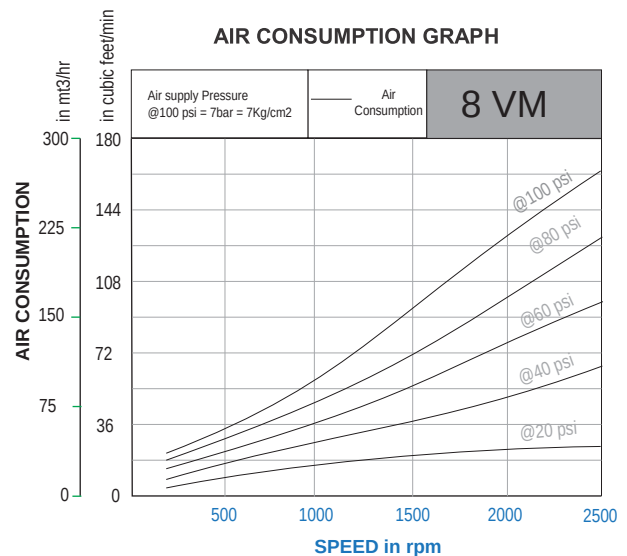


Unit : mm [inches]

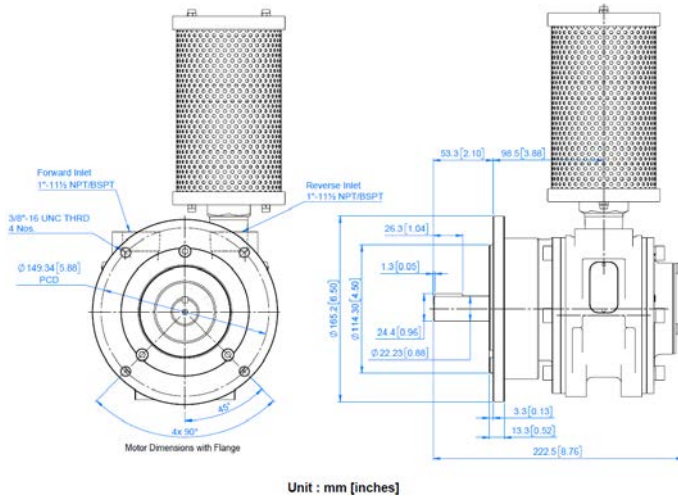
POWER & TORQUE GRAPH



AIR CONSUMPTION GRAPH



DIMENSIONAL DATA - NEMA FLANGE MOUNTING 8VM



WEIGHTS & FINISH

Air Motor Type	Weight	Finish
Face Mounting	11.4 kgs (25.1 lbs)	Silver
Foot Mounting	11.7 kgs (26.0 lbs)	Silver
IEC Mounting	14.0 kgs (31 lbs)	Silver
NEMA Mounting	14.0 kgs (31 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 2 4 6 8 16	VM- Vane Type	L- Face Type S- Foot Type T - Hub D - IEC Flange Type N - NEMA Flange 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

MODEL NUMBERS

8VML ALEX RR4 TE	8VML ALEX RR8 TE
8VMS ALEX RR4 TE	8VMS ALEX RR8 TE
8VMN ALEX RR4 TE	8VMN ALEX RR8 TE
8VMD ALEX RR4 TE	8VMD ALEX RR8 TE
8VML ALEX GR4 TE	8VML ALEX GR8 TE
8VMS ALEX GR4 TE	8VMS ALEX GR8 TE
8VMN ALEX GR4 TE	8VMN ALEXGR8 TE
8VMD ALEX GR4 TE	8VMD ALEX GR8 TE



II 2GD Ex h IIC T4 Gb

II 2GD Ex h IIIC T135° C Db