

Face / Foot

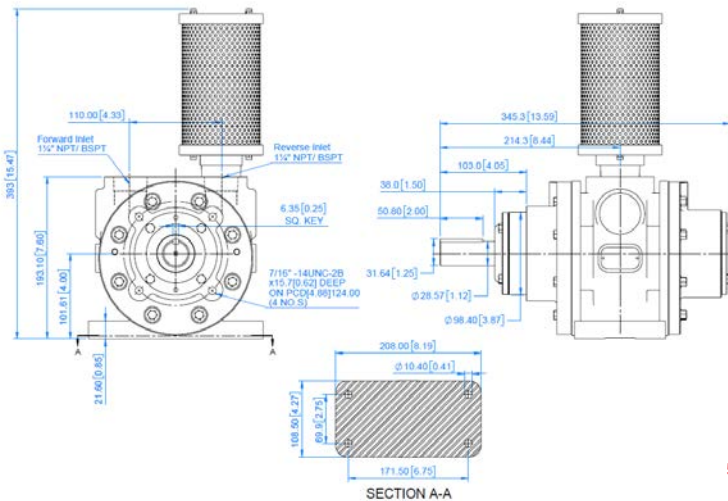
IEC / Nema

TECHNICAL DATA

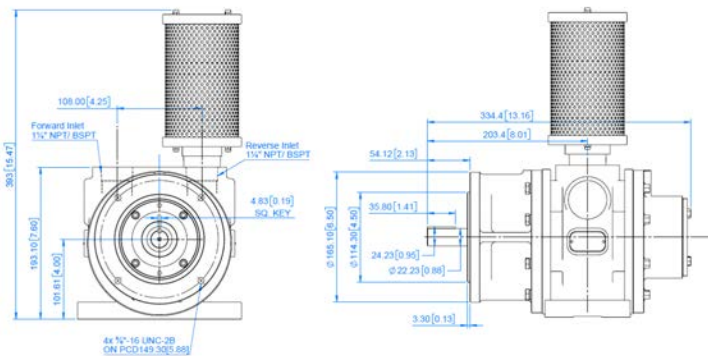
RELEASED: 11/04/2025
REVISED: 01
REV: 01

16VM Ex PNEUMATIC VANE MOTOR

DIMENSIONAL DATA - FACE & FOOT MOUNTING 16VM



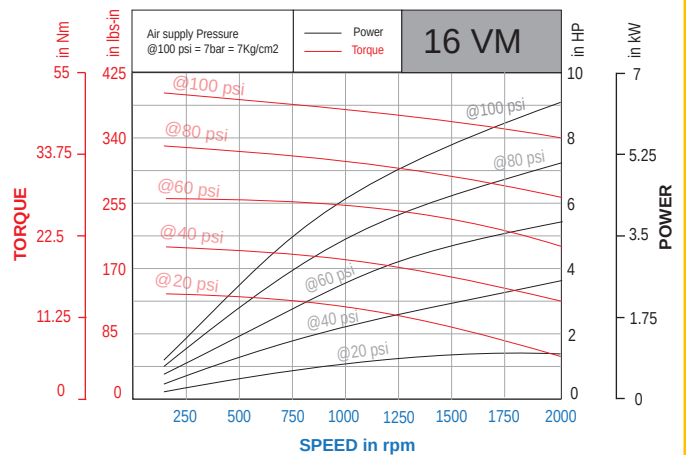
DIMENSIONAL DATA - NEMA FLANGE MOUNTING 16VM



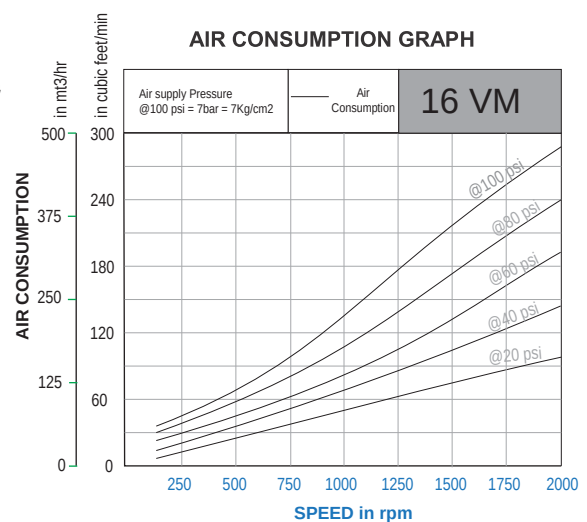
PERFORMANCE DATA

Max Output Power	7.1kW (9.5hp)
Speed at Max Power	2000 RPM
Maximum Torque	43Nm (380lb-In)
Air Consumption at Max Power	475m ³ /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/cm ² (100 psi)

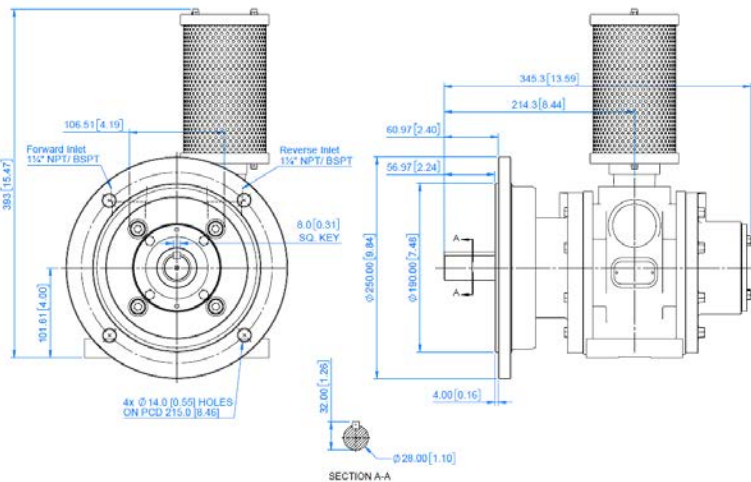
POWER & TORQUE GRAPH



AIR CONSUMPTION GRAPH



DIMENSIONAL DATA - IEC MOUNTING 16VM



WEIGHTS & FINISH

Air Motor Type	Weight	Finish
Face Mounting	36.1 kgs (79.6 lbs)	Silver
Foot Mounting	36.1 kgs (79.6 lbs)	Silver
IEC Mounting	41.5 kgs (91.5 lbs)	Silver
NEMA Mounting	36.5 kgs (80.4 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

16VML ALEX RR6	16VML ALEX RR8
16VM SALEX RR6	16VM SALEX RR8
16VM NALEX RR6	16VMN ALEX RR8
16VMD ALEX RR 6	16VMD ALEX RR8
16VML ALEX GR6	16VML ALEX GR8
16VM SALEX GR6	16VMS ALEX GR8
16VMN ALEX GR6	16VMN ALEX GR8
16VMD ALEX GR6	16VMD ALEX GR8



II 2GD Ex h IIC T4 Gb

II 2GD Ex h IIIC T135° C Db