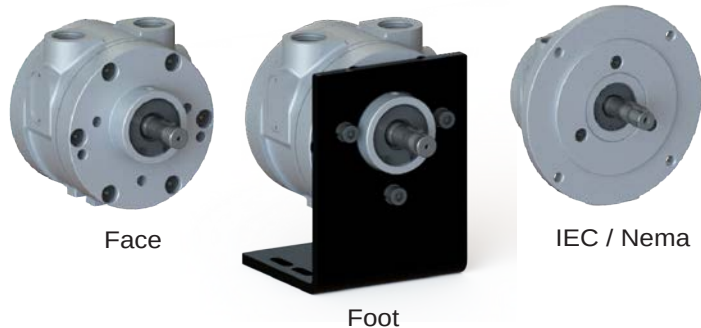




# TECHNICAL DATA

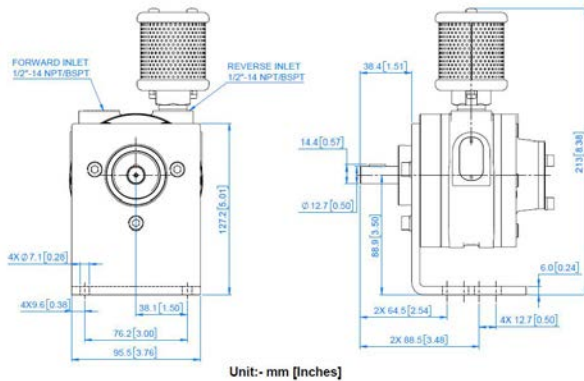
RELEASED:13/09/2024

REVISED:

REV: 00

## 4VM Ex PNEUMATIC VANE MOTOR

### DIMENSIONAL DATA - FOOT MOUNTING 4VM

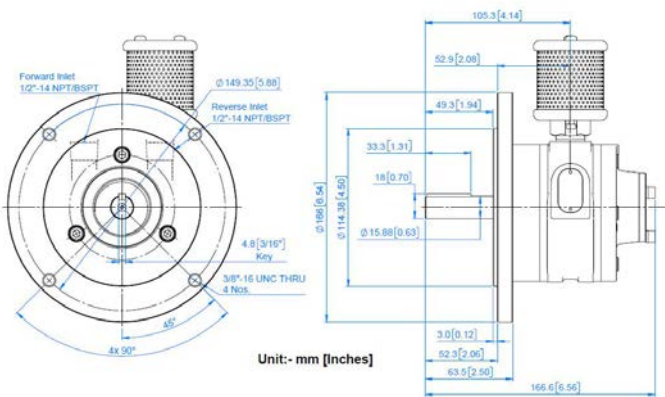


Unit:- mm [Inches]

### PERFORMANCE DATA

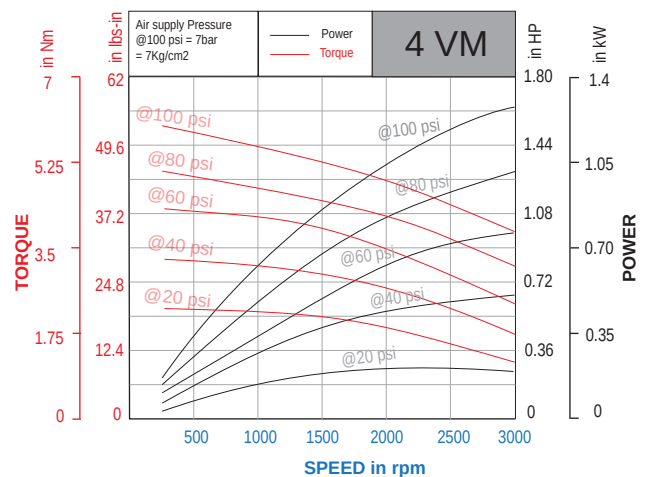
|                                                    |                                 |
|----------------------------------------------------|---------------------------------|
| Max Output Power                                   | 1.3kW (1.7hp)                   |
| Speed at Max Power                                 | 3000 RPM                        |
| Maximum Torque                                     | 6.3Nm (56lb-In)                 |
| Air Consumption at Max Power                       | 132.5m <sup>3</sup> /hr (78cfm) |
| 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 <sup>2</sup> (100 psi)   |

### DIMENSIONAL DATA - NEMA MOUNTING 4VM

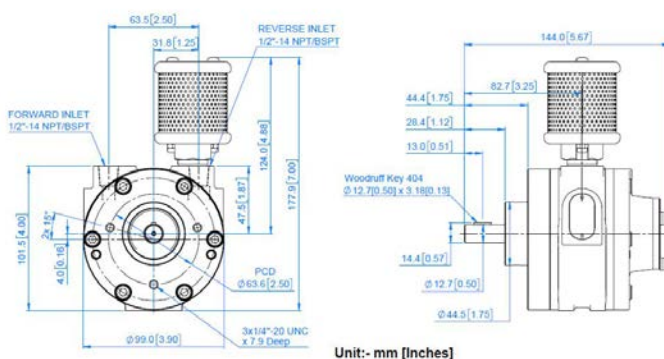


Unit:- mm [Inches]

### POWER & TORQUE GRAPH

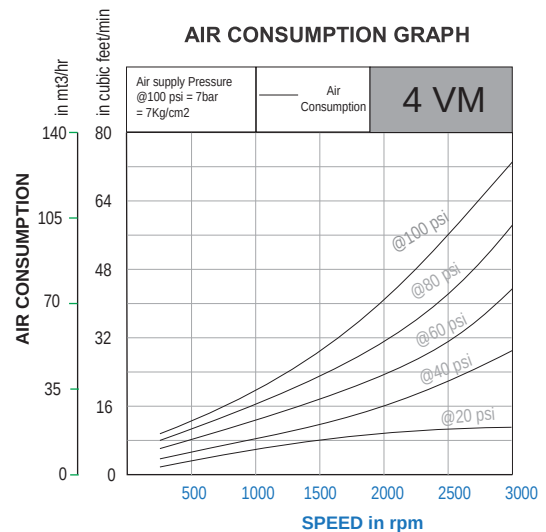


### DIMENSIONAL DATA - FACE FLANGE MOUNTING 4VM

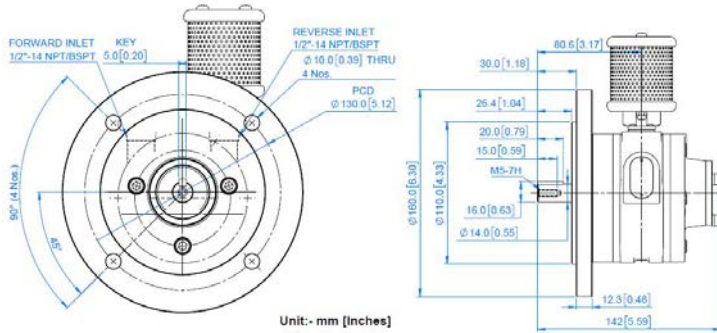


Unit:- mm [Inches]

### AIR CONSUMPTION GRAPH



## DIMENSIONAL DATA - IEC MOUNTING 4VM



## WEIGHTS & FINISH

| Air Motor Type | Weight             | Finish |
|----------------|--------------------|--------|
| Foot Mounting  | 4.0 kgs (9.0 lbs)  | Silver |
| NEMA Mount     | 4.2 kgs (9.2 lbs)  | Silver |
| Face Mounting  | 5.4 kgs (12.0 lbs) | Silver |
| IEC Mount      | 5.6 kgs (12.3 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<br>O - Lube Free | L - SG Iron              | EX              | R- NPT                        | C - Clockwise         | 4           |
| 2    |               | S- Foot Type         |                                | S - SS                   |                 | G - BSPT                      | A - Anticlockwise     | 6           |
| 4    |               | T - Hub              |                                | A - Aluminum             |                 | P - BSPP                      | R - Reversible        | 8           |
| 6    |               | D - IEC Flange Type  |                                |                          |                 |                               |                       |             |
| 8    |               | N - NEMA Flange Type |                                |                          |                 |                               |                       |             |
| 16   |               |                      |                                |                          |                 |                               |                       |             |

## MODEL NUMBERS

|                  |                  |
|------------------|------------------|
| 4VML ALEX RR4 TE | 4VML ALEX RR8 TE |
| 4VMS ALEX RR 4TE | 4VMS ALEX RR8 TE |
| 4VMN ALEX RR4 TE | 4VMN ALEX RR8 TE |
| 4VMD ALEX RR4 TE | 4VMDALEX RR8 TE  |
| 4VML ALEX GR4 TE | 4VML ALEX GR8 TE |
| 4VMS ALEX GR4 TE | 4VMS ALEX GR8 TE |
| 4VMN ALEX GR4 TE | 4VMN ALEX GR8 TE |
| 4VMD ALEX GR4 TE | 4VMD ALEX GR8 TE |



II 2GD Ex h IIC T6 Gb

II 2GD Ex h IIIC T85° C Db