Balanced Vane Motors
M2-200

- Speeds to 2200 rpm at Maximum Pressure
- Same Day Shipments of Units or Part Orders
- Interchangeable Parts
- Fully Tested

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M2-200 Series
Features and Benefits

Characteristics
These motors are not only compact and efficient, but they have the ability to provide variable speed, variable horsepower, and constant torque. They also remain undamaged when stalled under load (if they are protected by a relief valve).

Low-Wear Design
The design of the diametrically opposed inlet and outlet chambers removes bearing loads resulting from pressure. This type of bearing load is a leading cause of bearing damage in models without this design feature.

Installation Flexibility
Because the position of the motor’s cover can be changed and assembled relative to the body, it enables optimum positioning for connective piping. Removing the four cover bolts and rotating the cover to the desired location will change the respective location of the ports.

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Torque Nm/6.9 bar (lb in/100 psi)</th>
<th>Displacement cm³/r (in³/r)</th>
<th>Max Speeds &amp; Pressure</th>
<th>Approx Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>M2-200</td>
<td>2.8 (25)</td>
<td>24.7 (1.51)</td>
<td>2200 r/min @ 2000 psi</td>
<td>21 lbs</td>
</tr>
<tr>
<td></td>
<td>4.0 (35)</td>
<td>35.4 (2.16)</td>
<td>1800 r/min @ 1750 psi</td>
<td></td>
</tr>
</tbody>
</table>

Model Code Breakdown

Vane Motor
Series
Reversible
Porting
1 - 3/4” NPT both ports
Mounting
0 - 2 bolt flange
4 - Foot mounting
Ring Size - Torque
25
35

Design
Subject to change. Installation dimensions remain the same for designs 10 through 19

Cover Position (viewing cover end)
A - Cover port opposite body port
B - Cover port 90° CCW from body port
C - Port connections in line

Shaft Type
1 - Straight keyed 3/4”
3 - Threaded 7/8-18 UNC
6 - Straight keyed (stub) 3/4”
11 - Splied 3/4” - 11T

Your Trusted Choice for Motors!
**M2-200 Series**

**Technical Data**

**Dimensions in Inches**

Oil supplied in port “A” turns shaft clockwise as viewed from mounting face.

Oil supplied in port “B” turns shaft counterclockwise as viewed from mounting face.

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**No. 1 Straight Shaft**

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**No. 3 Threaded Shaft**

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**No. 11 Splined Shaft**

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**No. 6 Straight Stub Shaft**

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FluIDyne supports the distributors providing local knowledge and assistance to fluid power customers.

Our people provide extensive support:

- Engineering Expertise
- Decoding special part numbers
- Identification of parts within units
- Advice on component repair and assembly
- Component failure analysis
- 18 month warranty
- New application component selection
- Same day shipment

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