DATA SHEET
U 5.71
ROTARY VANE–VACUUM PUMPS
oil-lubricated
air-cooled

MAKE IT BECKER.
According to DIN EN ISO 11203, accuracy class of measurement: class 2, extended measurement uncertainty: 3 dB
39.4 inch distance, at medium load, both connection sides piped

Becker Lube: Synthetic Oil • Premium Synthetic Oil (PAO) • Food Grade Vacuum Pump Oil
Gas ballast valve: vacuum 0.75 Torr with opened gas ballast valve; water vapour tolerance max. 5.25 Torr;
water vapour capacity max. 0.119 U.S.gal./h (at 185°F operating temperature)

<table>
<thead>
<tr>
<th>Nominal capacity</th>
<th>Vacuum absolute for continuous operation</th>
<th>Motors</th>
<th>Emission sound pressure level</th>
<th>Weight w/o motor</th>
<th>Oil</th>
</tr>
</thead>
<tbody>
<tr>
<td>CFM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50 Hz</td>
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<tr>
<td>50 Hz</td>
<td>&lt;0.075–300</td>
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<td></td>
</tr>
<tr>
<td>60 Hz</td>
<td>&lt;0.075–300</td>
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<tr>
<td>50 Hz</td>
<td>2.0</td>
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<tr>
<td>60 Hz</td>
<td>2.4</td>
<td>67</td>
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<tr>
<td>50 Hz</td>
<td>133.4</td>
<td>0.53</td>
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<tr>
<td>60 Hz</td>
<td>10.7</td>
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<tr>
<td>60 Hz</td>
<td>13.7</td>
<td>10</td>
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</tbody>
</table>

1. Vacuum connection (G1¼)
2. Exhaust air (diverter)
3. Oil filler cap (G¾)
4. Oil sight glass (G1)
5. Screw plug for oil drain (G½)
6. Rubber buffer position
7. Optional: threaded connector for exhaust air (G1¼)
   - incl. gas ballast valve, non-return valve, oil separator and oil filter
   - The motor illustration may vary
   - Dimensions in inch

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3. According to DIN EN ISO 11203, accuracy class of measurement: class 2, extended measurement uncertainty: 3 dB
4. Becker Lube: Synthetic Oil • Premium Synthetic Oil (PAO) • Food Grade Vacuum Pump Oil
   - Gas ballast valve: vacuum 0.75 Torr with opened gas ballast valve; water vapour tolerance max. 5.25 Torr;
   - water vapour capacity max. 0.119 U.S.gal./h (at 185°F operating temperature)
<table>
<thead>
<tr>
<th>#</th>
<th>hp</th>
<th>V</th>
<th>rpm</th>
<th>A</th>
<th>hp</th>
<th>V</th>
<th>rpm</th>
<th>A</th>
<th>Version</th>
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<tbody>
<tr>
<td>01</td>
<td>2.0</td>
<td>Δ230/Y400 IE3</td>
<td>1420</td>
<td>6.4/3.7</td>
<td>2.4</td>
<td>Δ265/Y460 IE3</td>
<td>1715</td>
<td>6.4/3.7</td>
<td>UL(E365362) • CSA IP55 • ISO F • bimetal</td>
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<tr>
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<td>2.4</td>
<td>YY230/Y460 IE3</td>
<td>1730</td>
<td>6.8/3.4</td>
<td>UL(E365362) • CSA IP55 • ISO F • bimetal</td>
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<td>UL(E365362) • CSA IP55 • ISO F • bimetal</td>
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<td>Δ400/Y690 IE3</td>
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<td>5.3/3.1</td>
<td>UL(E365362) • CSA IP55 • ISO F • bimetal</td>
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</tbody>
</table>

- Current consumption and rotation speed may vary. Tolerance in each case -1.5/+2%
Suction air rate refers to the intake pressure.

Reference data (atmosphere): 0 in. HgV / 760 Torr, 68°F; Tolerance: ±10%
**VARIANTS AND ACCESSORIES**

- Optional **GAS BALLAST VALVE** for increased water vapour tolerance (0.375 Torr)
  - Water vapour tolerance: max. 525 Torr; water vapour capacity: max. 0.119 U.S.gal./h (at 185°F operating temperature)
- **THREADED CONNECTOR** for exhaust air (G1¼)
- **U 5.71 O2-PACK** for packaging with an overconcentration of oxygen

**ACCESSORIES**

- External suction filter
- Oil: Becker Lube Synthetic Oil, Premium Synthetic Oil (PAO) and Food Grade Vacuum Pump Oil

1. Oil level switch (G1)
2. Oil temperature monitor (G½)
3. Maintenance indicator (G¾) for oil separating elements
4. Ball valve (G½), with locking and hose connector 19 mm
5. Temperature sensor PT100
6. Water cooler **US.100-0-114.2** with connectors for hoses with an external diameter of 8 mm

**Diagram:**

- Oil level switch
- Oil temperature monitor
- Maintenance indicator
- Ball valve

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3. See separate data sheet
4. Combination options on request
MAKE IT BECKER.