DATA SHEET
U 5.201
ROTARY VANE–VACUUM PUMPS
oil-lubricated
air-cooled

MAKE IT BECKER.
1 Vacuum connection (G2)
2 Exhaust air connection (G2)
3 Oil filler cap (G 3/4)
4 Oil sight glas (G1)
5 Screw plug for oil drain (G 1/2)
6 Rubber buffer position
7 optional: threaded connector for exhaust air (G2)
8 optional: temperature sensor PT100
L Length see motor table
• incl. gas ballast valve, non-return valve, oil separator and oil filter
• The motor illustration may vary
• Dimensions in inch

### Nominal capacity

<table>
<thead>
<tr>
<th>CFM</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>50 Hz</td>
<td>60 Hz</td>
<td>50 Hz</td>
<td>60 Hz</td>
<td>hp</td>
<td>50 Hz</td>
</tr>
<tr>
<td>118</td>
<td>141</td>
<td>&lt;0.075–75</td>
<td>&lt;0.075–75</td>
<td>5.4</td>
<td>6.0/6.4</td>
</tr>
<tr>
<td>118</td>
<td>141</td>
<td>&lt;0.075–300</td>
<td>&lt;0.075–300</td>
<td>7.4</td>
<td>8.9</td>
</tr>
</tbody>
</table>

1 According to DIN EN ISO 11203, accuracy class of measurement: class 2, extended measurement uncertainty: 3 dB
2 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. 0.079 U.S.gal./h (at 185°F operating temperature)
<table>
<thead>
<tr>
<th>#</th>
<th>hp</th>
<th>50 Hz V</th>
<th>min⁻¹</th>
<th>A</th>
<th>60 Hz V</th>
<th>min⁻¹</th>
<th>A</th>
<th>Version</th>
<th>Weight</th>
<th>inch</th>
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</thead>
<tbody>
<tr>
<td>01</td>
<td>5.4</td>
<td>Δ230/Y400 IE3</td>
<td>1465</td>
<td>15.6/9.0</td>
<td>Δ265/Y460 Δ230/Y400 IE3</td>
<td>1760</td>
<td>1747</td>
<td>15.2/8.8 15.9/9.2</td>
<td>UL (E365362) • CSA IP 55 • ISO F • bimetal</td>
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<td>YY200/Y400 IE3</td>
<td>1465</td>
<td>18.0/9.0</td>
<td>YY230/Y460 YY208 IE3 IE3</td>
<td>1759</td>
<td>1753</td>
<td>18.4/9.2 18.7</td>
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<td>20.3/11.7</td>
<td>Δ200/Y380–400 Δ200/Y350 IE3</td>
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<td>9.8/5.65</td>
<td>Δ400/Y460 IE3</td>
<td>1764</td>
<td>1751</td>
<td>12.0 12.4</td>
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<td>Δ265/Y460 Δ230/Y400 IE3</td>
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<td>1750</td>
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<tr>
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<td>1468</td>
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<td>Δ460 Δ400 IE3</td>
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<td>Δ200/Y380–400 Δ200/Y350 IE3</td>
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<td>1761</td>
<td>25.1/14.5–13.8 25.4/14.65</td>
<td>UL (E365362) • CSA IP 55 • ISO F • bimetal</td>
<td>140.0</td>
</tr>
</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 (2.25 Torr)
  water vapour tolerance: max. 7.5 Torr; water vapour capacity: max. 0.528 U.S.gal./h (at 185°F operating temperature)
- **THREAD CONNECTOR** for exhaust air (G2)
- **VARIAR U 5.201** with VARIAIR frequency inverter
- **U 5.201 O2-PACK** for packaging with an overconcentration of oxygen
- **U 5.201/0-62XL** with enlarged oil tank and high efficient triple stage oil separation,
  weight without motor: 172 lbs, oil quantity: 2.6 U.S. gal., further technical data, motors and characteristic curves like standard pump

ACCESSORIES

1. Oil level switch (G1)
2. Oil temperature monitor (G½)
3. Maintenance indicator (G¼) for oil separating elements
4. Ball valve (G½), with locking and hose connector 0.75 inch
5. Temperature sensor PT100
6. Water cooler US.200-0-114.2 with connectors for hoses with an external diameter of 0.32 inch
   - External suction filter
   - Oil: Synthetic Oil, Premium Synthetic Oil (PAO) and Food Grade Vacuum Pump Oil

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- See separate data sheet
- Combination options on request