DATA SHEET
U 5.200
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

0.375 Torr with opened gas ballast valve
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)
Current consumption and rotation speed may vary. Tolerance in each case -1.5/+2%

### 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></td>
<td>CFM 50 Hz</td>
<td>Torr 50 Hz</td>
<td>CFM 60 Hz</td>
<td>Torr 60 Hz</td>
<td>hp 50 Hz</td>
</tr>
<tr>
<td>118</td>
<td>141</td>
<td>&lt;0.075 (0.375 ³) - 75</td>
<td>&lt;0.075 (0.375 ³) - 75</td>
<td>5.4</td>
<td>6.0/6.4</td>
</tr>
</tbody>
</table>

1. Vacuum connection (G 2)
2. Exhaust air connection (G 2)
3. Oil filler cap (G ¾)
4. Oil sight glass (G 1)
5. Screw plug for oil drain (G ½)
6. Rubber buffer position
7. Optional: threaded connector for exhaust air (G 2)
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
<table>
<thead>
<tr>
<th>#</th>
<th>hp</th>
<th>V</th>
<th>min⁻¹</th>
<th>A</th>
<th>kW</th>
<th>V</th>
<th>min⁻¹</th>
<th>A</th>
<th>Version</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>inch</td>
</tr>
<tr>
<td>01</td>
<td>5.4</td>
<td>Δ230/Y400</td>
<td>IE3</td>
<td>1465</td>
<td>15.6/9.0</td>
<td>6.0</td>
<td>Δ265/Y460 Δ230/Y400</td>
<td>IE3</td>
<td>1760</td>
<td>1747</td>
</tr>
<tr>
<td>02</td>
<td>5.4</td>
<td>YY200/Y400</td>
<td>IE3</td>
<td>1465</td>
<td>18.0/9.0</td>
<td>6.4</td>
<td>YY230/Y460 YY208</td>
<td>IE3</td>
<td>1759</td>
<td>1753</td>
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<tr>
<td>03</td>
<td>5.4</td>
<td>Δ200/Y350</td>
<td>-</td>
<td>1467</td>
<td>20.3/11.7</td>
<td>6.4</td>
<td>Δ200/Y380−400 Δ200/Y350</td>
<td>IE3</td>
<td>1760</td>
<td>1753</td>
</tr>
<tr>
<td>04</td>
<td></td>
<td>Δ400/Y690</td>
<td>IE3</td>
<td>1763</td>
<td>9.8/5.65</td>
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<td>Δ460/Y400</td>
<td>IE3</td>
<td>-</td>
<td>-</td>
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<tr>
<td>05</td>
<td>7.4</td>
<td>Δ230/Y400</td>
<td>IE3</td>
<td>1468</td>
<td>20.7/12.0</td>
<td>8.9</td>
<td>Δ265/Y460 Δ230/Y400</td>
<td>IE3</td>
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<td>1750</td>
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<tr>
<td>06</td>
<td>7.4</td>
<td>Δ400</td>
<td>IE3</td>
<td>1468</td>
<td>12.3</td>
<td>8.9</td>
<td>Δ460 Δ400</td>
<td>IE3</td>
<td>-</td>
<td>-</td>
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<tr>
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<td>YY230/Y460 YY208</td>
<td>IE3</td>
<td>1770</td>
<td>23.9/12.0</td>
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<td>Δ200/Y380−400 Δ200/Y350</td>
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<td>1761</td>
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<tr>
<td>08</td>
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<td>Δ200/Y350</td>
<td>IE3</td>
<td>1474</td>
<td>27.4/15.8</td>
<td>8.9</td>
<td>Δ200/Y380−400 Δ200/Y350</td>
<td>IE3</td>
<td>-</td>
<td>-</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**

**U 5.200/0-62XL**
- Enlarged oil tank and high efficient triple stage oil separation
- Weight without moto: 172 lbs, oil quantity: 2.6 U.S. gal., further technical data, motors and characteristic curves like standard pump

**OTHER VARIANTS AND ACCESSORIES**

- **U 5.200 O2-PACK** for packaging with an overconcentration of oxygen
- **VARIAR U 5.200** with VARIAR frequency inverter
  1. Threaded connector for exhaust air (G 2)
  2. Oil level switch (G 1)
  3. Oil temperature monitor (G ½)
  4. Maintenance indicator (G ¾) for oil separating elements
  5. Ball valve (G ½), with locking and hose connector 0.75 inch
  6. Gas ballast valve for increased water vapour tolerance (2.25 Torr), water vapour tolerance: max. 37.5 Torr; water vapour capacity: max. 0.528 U.S.gal./h (at 185°F operating temperature)
  7. Temperature sensor PT100
  8. External suction filter
  9. Oil: Becker Lube M100 mineral, S100 synthetic and SL100 food
  10. Water cooler US.200-0-114.2 with connectors for hoses with an external diameter of 0.32 inch

- **1** Vacuum connection (G 2)
- **2** Exhaust air connection (G 2)
- **3** Oil sight glas (G ½)
- **4** Screw plug for oil drain (G ½)
- **5** Rubber buffer position
- **6** 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

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See separate data sheet
- Combination options on request