DATA SHEET

U 5.101

ROTARY VANE—VACUUM PUMPS

oil-lubricated
air-cooled

MAKE IT BECKER.
1) Vacuum connection (G1¼)
2) Exhaust air (diverter)
3) Oil filler cap (G3/4)
4) Oil sight glas (G1)
5) Screw plug for oil drain (G1/2)
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

### 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>Torr</td>
<td>50 Hz</td>
<td>60 Hz</td>
<td>hp</td>
</tr>
<tr>
<td>58.8</td>
<td>70.6</td>
<td>&lt;0.075–300</td>
<td>&lt;0.075–300</td>
<td>3.0</td>
<td>3.5</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. 0.238 U.S.gal./h (at 185°F operating temperature)
<table>
<thead>
<tr>
<th>#</th>
<th>hp</th>
<th>V (50 Hz)</th>
<th>rpm (50 Hz)</th>
<th>A (50 Hz)</th>
<th>hp</th>
<th>V (60 Hz)</th>
<th>rpm (60 Hz)</th>
<th>A (60 Hz)</th>
<th>Version</th>
<th>Weight kg</th>
<th>L [inch]</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>3.0</td>
<td>Δ230/Y400</td>
<td>1460</td>
<td>7.45/4.3</td>
<td>3.5</td>
<td>Δ230</td>
<td>1752</td>
<td>8.7</td>
<td>ULIE68554) • CSA CC055B IP55 • ISO F • PTC</td>
<td>29.0</td>
<td>706 [27.8]</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Y400</td>
<td>1752</td>
<td>5.0</td>
<td>IP55 • ISO F • bimetal</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Y460</td>
<td>1758</td>
<td>4.0</td>
<td>IP55 • ISO F • bimetal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>02</td>
<td>3.5</td>
<td>YY230/Y460</td>
<td>1765</td>
<td>9.3/4.6</td>
<td>3.5</td>
<td>YY208</td>
<td>1755</td>
<td>9.7</td>
<td>ULIE365362) • CSA CC334B IP55 • ISO F • bimetal</td>
<td>37.0</td>
<td>741 [29.2]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>YY208</td>
<td></td>
<td></td>
<td></td>
<td>YY208</td>
<td></td>
<td></td>
<td>IP55 • ISO F • bimetal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>3.0</td>
<td>Δ200/Y350</td>
<td>1460</td>
<td>11.2/6.5</td>
<td>3.5</td>
<td>Δ220/Y380-400</td>
<td>1750</td>
<td>10.6/6.1–5.8</td>
<td>ULIE365362) • CSA IP55 • ISO F • bimetal</td>
<td>29.0</td>
<td>728 [28.7]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Δ200/Y350</td>
<td></td>
<td></td>
<td></td>
<td>Δ200/Y350</td>
<td></td>
<td></td>
<td>IP55 • ISO F • bimetal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>04</td>
<td>3.5</td>
<td>Δ400/Y690</td>
<td>1760</td>
<td>5.25/3.03</td>
<td>3.5</td>
<td>Δ400/Y690</td>
<td></td>
<td></td>
<td>ULIE365362) • CSA IP55 • ISO F • bimetal</td>
<td>37.0</td>
<td>741 [29.2]</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 (0.375 Torr)
  
  - water vapour tolerance: max. 5.25 Torr; water vapour capacity: max. 0.238 U.S.gal./h (at 185°C operating temperature)
- **THREADED CONNECTOR** for exhaust air (G1¼)
- **U 5.101 O2-PACK** for packaging with an overconcentration of oxygen
- **VARIAIR U 5.101** with frequency inverter VAU4/4

**ACCESSORIES**

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

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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

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See separate data sheet

- Combination options on request