DATA SHEET

U 5.301

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. 30 Torr; water vapour capacity max. 1.32/1.48 U.S.gal./h 50/60 Hz (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>
<th>Weight</th>
<th>inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</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</td>
<td>Δ230/Y400</td>
<td>IE3 – 1762 1750</td>
<td>20.6/11.9 21.6/12.5</td>
<td>IP 55 • ISO F • bimetal</td>
</tr>
<tr>
<td>02</td>
<td>7.4</td>
<td>Δ400</td>
<td>IE3</td>
<td>1468</td>
<td>12.3</td>
<td>8.9</td>
<td>Δ460</td>
<td>Δ400</td>
<td>IE3 – 1764 1751</td>
<td>12.0 12.4</td>
<td>IP 55 • ISO F • bimetal</td>
</tr>
<tr>
<td>03</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8.9</td>
<td>YY230/Y460</td>
<td>YY208</td>
<td>IE3 – 1755 1750</td>
<td>22.1/11.1 23.3</td>
<td>UL (E235514) • CSA CC329B IP 55 • ISO F • bimetal</td>
<td>121.3</td>
</tr>
<tr>
<td>04</td>
<td>7.4</td>
<td>Δ200/Y350</td>
<td>IE3</td>
<td>1474</td>
<td>27.4/15.8</td>
<td>8.9</td>
<td>Δ200/Y380–400</td>
<td>Δ200/Y350</td>
<td>IE3 – 1769 1761</td>
<td>24.1/14.5-13.8 25.4/14.65</td>
<td>IP 55 • ISO F • bimetal</td>
</tr>
<tr>
<td>05</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8.9</td>
<td>Δ400</td>
<td>IE3</td>
<td>1765</td>
<td>24.1/14.5-13.8 25.4/14.65</td>
<td>UL (E235514) • CSA CC329B IP 55 • ISO F • bimetal</td>
<td>156.1</td>
</tr>
<tr>
<td>06</td>
<td>10.1</td>
<td>Δ230/Y400</td>
<td>IE3</td>
<td>1445</td>
<td>28.0/16.2</td>
<td>12.1</td>
<td>Δ265/Y460</td>
<td>Δ230/Y400</td>
<td>IE3 – 1735 1720</td>
<td>26.8/15.5 30.9/17.9</td>
<td>IP 55 • ISO F • bimetal</td>
</tr>
<tr>
<td>07</td>
<td>10.1</td>
<td>Δ400</td>
<td>IE3</td>
<td>1445</td>
<td>16.0</td>
<td>12.1</td>
<td>Δ460</td>
<td>Δ400</td>
<td>IE3 – 1735 1720</td>
<td>15.5 18.0</td>
<td>IP 55 • ISO F • bimetal</td>
</tr>
<tr>
<td>08</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12.1</td>
<td>YY230/Y460</td>
<td>YY208</td>
<td>IE3 – 1763 1760</td>
<td>33.6/16.8 33.8</td>
<td>UL (E235514) • CSA CC329B IP 55 • ISO F • bimetal</td>
<td>149.9</td>
</tr>
<tr>
<td>09</td>
<td>10.1</td>
<td>Δ200/Y350</td>
<td>IE3</td>
<td>1450</td>
<td>31.8/18.3</td>
<td>12.1</td>
<td>Δ200/Y380–400</td>
<td>Δ200/Y350</td>
<td>IE3 – 1760 1745</td>
<td>31.5/18.2-17.3 33.9/19.5</td>
<td>IP 55 • ISO F • bimetal</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>12.1</td>
<td>Δ400</td>
<td>IE3</td>
<td>1767</td>
<td>21.1</td>
<td>UL (E235514) • CSA CC329B IP 55 • ISO F • bimetal</td>
<td>157.4</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. 2.64/3.43 U.S. gal./h 50/60 Hz (at 185°F operating temperature)
- THREADED CONNECTOR for exhaust air (G2)
- VARIAR U 5.301® with VARIAIR frequency inverter
- U 5.301 O2-PACK® for packaging with an overconcentration of oxygen
- U 5.301/0-62XL with enlarged oil tank and high efficient triple stage oil separation,
  - Weight without motor: 231.5 lbs, oil quantity 3.4 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 (G¾) for oil separating elements
4. Ball valve (G½), with locking and hose connector 0.75 inch
5. Temperature sensor PT100
6. Water cooler U5.200-0-114.2® 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

**See separate data sheet**

- Combination options on request
MAKE IT BECKER.