DATA SHEET
U 5.300
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: 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)

Current consumption and rotation speed may vary. Tolerance in each case -1.5/+2%

### Nominal capacity

<table>
<thead>
<tr>
<th>CFM Torr</th>
<th>Vacuum absolute for continuous operation Torr</th>
<th>Motors hp 50 Hz</th>
<th>60 Hz</th>
<th>Emission sound pressure level 1) dB(A) 50 Hz</th>
<th>60 Hz</th>
<th>Weight w/o motor lbs</th>
<th>Oil 2) U.S. gal.</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 Hz</td>
<td>&lt;0.075 (0.375 3) - 75</td>
<td>7.4</td>
<td>8.9</td>
<td>73</td>
<td>76</td>
<td>198.5</td>
<td>1.6</td>
</tr>
<tr>
<td>60 Hz</td>
<td>&lt;0.075 (0.375 3) - 300</td>
<td>10.1</td>
<td>12.1</td>
<td>73</td>
<td>76</td>
<td>198.5</td>
<td>1.6</td>
</tr>
</tbody>
</table>

1. Vacuum connection (G 2)
2. Air connection
3. Oil filler cap (G ¾)
4. Oil sight glas (G 1)
5. Screw plug for oil drain (G ½)
6. Rubber buffer position
7. Optional: threaded connector for exhaust air (G 2)

- 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>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>
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<tr>
<td></td>
<td></td>
<td>50 Hz</td>
<td></td>
<td></td>
<td>60 Hz</td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>01</td>
<td>7.4</td>
<td>Δ230/Y400 IE3</td>
<td>1468</td>
<td>20.7/12.0</td>
<td>8.9</td>
<td>Δ265/Y460 Δ230/Y400 IE3</td>
<td>1762</td>
<td>20.6/11.9</td>
<td>21.6/12.5</td>
<td>IP 55, ISO F, bimetal</td>
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<td>1468</td>
<td>12.3</td>
<td>8.9</td>
<td>Δ460 Δ400 IE3</td>
<td>1764</td>
<td>12.0</td>
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<td>03</td>
<td>8.9</td>
<td>YY230/Y460 YY208 IE3</td>
<td>1755</td>
<td>22.1/11.1</td>
<td>23.3</td>
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<td>04</td>
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<td>27.4/15.8</td>
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<td>Δ200/Y380–400 Δ200/Y350 IE3</td>
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<td>24.1/14.5–13.8</td>
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<td>16.0</td>
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<td>Δ460 Δ400 IE3</td>
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<td>15.5</td>
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<td>UL (E235514), CSA CC329B IP 55, ISO F, bimetal</td>
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</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 5.300/0-62XL

- 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

OTHER VARIANTS AND ACCESSORIES

- U 5.300 O2-PACK for packaging with an overconcentration of oxygen
- VARIAR U 5.300 with VARIAIR frequency inverter
- Threaded connector for exhaust air (G 2)
- Oil level switch (G 1)
- Oil temperature monitor (G ½)
- Maintenance indicator (G ¾) for oil separating elements
- Ball valve (G ½), with locking and hose connector 0.75 inch
- Gas ballast valve for increased water vapour tolerance (2.25 Torr), water vapour tolerance: max. 52.5 Torr; water vapour capacity: max. 2.64/3.43 U.S. gal./h 50/60 Hz (at 185°F operating temperature)
- Temperature sensor PT100
- External suction filter
- Oil: Becker Lube M100 mineral, S100 synthetic and SL100 food
- Water cooler U5.200-0-114.2 with connectors for hoses with an external diameter of 0.32 inch

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