Recirculation fans

The next level of greenhouse energy efficiency
Recirculation fans

The next level of energy efficiency

The EU-Ecodesign directives for fans (Energy Related Product – ErP) and for motors (IE2/3/4) are leading in our development of new motors and fans for greenhouses. Before the year 2020 the Kyoto protocol targets 20% less energy consumption, 20% less CO₂ emission and 20% more sustainable energy.

A grower wants to optimize productivity, next to reducing carbon footprint. Active climate control guarantees growers uniform climate conditions resulting in less temperature differences (avoiding cold spots), better distribution and absorption of CO₂ and lowering the risk of humidity related diseases (botrytis). A crucial part of active climate control is the specific selection of the right fan, always based on your greenhouse conditions.

Why choose this fan:

- Considerable increase in energy efficiency compared to previous versions
- To be ready for ErP2020 (check the data on next page)
- Easy to mount/remove wire guards
- Easy to maintain motor/impeller construction
- 3-year warranty

Features:

- Aerodynamic inlet radius for optimized air distribution
- High insulation class F / IP55
- Built-in thermal protection for single phase
- Housing suitable for suspension with profiles or chains
- Wire guards in accordance with CE-standards
- Serial- or parallel ventilation systems
- Reflecting white color for usage in greenhouses
- Compact design for less shadow

Options:

- Motors for different voltages and 50Hz or 60Hz.
- Three phase motor adapted for frequency control
- Cable + Plug (5 meters) for 230 V
- Built-in thermal protection for three phase
- Nozzle system set for 50 cm Recirculation fan
  - 8 Nozzles with hoses
  - Wire guard
  - Easy to install
  - Requested 4 bar water pressure
## Technical data

<table>
<thead>
<tr>
<th>Power supply</th>
<th>ø (mm)</th>
<th>RPM</th>
<th>Type</th>
<th>Item</th>
<th>Pe (W)</th>
<th>I (A) nom</th>
<th>m³/h @ 0 Pa</th>
<th>dB(A) @ 7m</th>
<th>Controllability</th>
<th>ErP</th>
<th>Throw (0,5m/s)</th>
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<tbody>
<tr>
<td>1~ 230V</td>
<td>420</td>
<td>1400</td>
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<td>240</td>
<td>1,3</td>
<td>5350</td>
<td>56</td>
<td>T/E</td>
<td>2015</td>
<td>51m</td>
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<td>1395</td>
<td>CIR 4D40</td>
<td>T4D40A8MM0100</td>
<td>230</td>
<td>1,1 / 1,0</td>
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<td>56</td>
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<td>51m</td>
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<tr>
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<td>935</td>
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<td>8950</td>
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<td>T/E</td>
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<td>66m</td>
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<tr>
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<td>1,80 / 1,1</td>
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<td>T/E</td>
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<td>47m</td>
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<tr>
<td>3~ 240V / 420V</td>
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<td>0,8 / 0,5</td>
<td>6400</td>
<td>53</td>
<td>T</td>
<td>2020</td>
<td>47m</td>
</tr>
</tbody>
</table>

* Sound pressure level measured at 7 meter blowing distance.
** Controllable Electronically (E) or by Transformer (T). For Frequency drive compatible fans, contact our sales team.
*** Compliance with either ErP2015 or ErP2020 directives.
**** Throw is the distance at which the peak velocity has fallen to 0,5 m/s (measured in an infinite room without obstructions).
***** For any other request please contact our sales team.
Recirculation fans

Why choose our ventilation:

FUTURE PROOF
Our future proof approach, which combines energy efficiency solutions with robust quality and rigorous testing, is based on a genuine commitment to serve as a trusted partner.

RELIABLE
We maintain our reputation as reliable partner. Our carefully selected global network of independent distributors strive to deliver you dedicated service and expertise.

LOYAL TO YOU
We care for your specific needs based on our long expertise. In close cooperation with you we secure your business outcomes.

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### Technical data

![Recirculation fans diagram]

<table>
<thead>
<tr>
<th>ø mm</th>
<th>A01</th>
<th>A02</th>
<th>A03</th>
<th>A10</th>
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