Introducing the
DASHIO
EC Twin Box Fans

KEY BENEFITS
• ErP 2015 compliant
• Volume flows up to 1.7m³/s
• Static pressures up to 870 Pa
• High efficiency, EC motor technology
• SFPs that meet the needs of Part L
• Low breakout levels, minimising silencers
• Plug and play controller
• PIR trickle and boost functions
• BMS interface

Thanks to our e³ concept, we provide innovative and sustainable products to help you achieve or surpass your environmental targets whilst optimising your investment and Life Cycle Cost.

Dashio, matching our fan expertise to EC Technology

The Dashio, EC Twin Box Fan, is designed to be both energy efficient and compact, offering ‘on demand’ ventilation along with easy installation. Controls are integral and feature our ‘2nd generation’ intelligent fan controller, which has a simplified control interface that allows for easy installation and commissioning.

As our EC Dashio product makes use of EC motor technology, energy usage is minimised, which means that specific fan powers are low, in line with the latest building regulations and current legislation.

Thanks to our e³ concept, we provide innovative and sustainable products to help you achieve or surpass your environmental targets whilst optimising your investment and Life Cycle Cost.
The EU has set a target to reduce energy consumption by 20%, and increase the share of renewable energies by 20% by 2020. With Ecodesign Directive 2009/125/EC (ErP Directive) the EU has defined the way to do this.

Fläkt Woods manufacturers and designs its products for the European market to comply with defined efficiency standards to make an important contribution to reducing energy consumption.

Selection is simple with the Fläkt Woods Fan Selector tool

EC Dashio - leading the way in extraction

Air flow m³/s as function of static pressure

<table>
<thead>
<tr>
<th>Range Size</th>
<th>No.</th>
<th>5</th>
<th>10</th>
<th>15</th>
<th>25</th>
<th>50</th>
<th>100</th>
<th>150</th>
<th>200</th>
<th>300</th>
<th>400</th>
<th>500</th>
<th>600</th>
</tr>
</thead>
<tbody>
<tr>
<td>10V m³/s</td>
<td>0.68</td>
<td>0.67</td>
<td>0.66</td>
<td>0.64</td>
<td>0.62</td>
<td>0.60</td>
<td>0.58</td>
<td>0.57</td>
<td>0.55</td>
<td>0.53</td>
<td>0.51</td>
<td>0.49</td>
<td>0.47</td>
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<tr>
<td>7V m³/s</td>
<td>0.71</td>
<td>0.69</td>
<td>0.68</td>
<td>0.66</td>
<td>0.64</td>
<td>0.62</td>
<td>0.60</td>
<td>0.58</td>
<td>0.56</td>
<td>0.54</td>
<td>0.52</td>
<td>0.50</td>
<td>0.48</td>
</tr>
<tr>
<td>5.5V m³/s</td>
<td>0.74</td>
<td>0.72</td>
<td>0.71</td>
<td>0.69</td>
<td>0.67</td>
<td>0.65</td>
<td>0.63</td>
<td>0.61</td>
<td>0.59</td>
<td>0.57</td>
<td>0.55</td>
<td>0.53</td>
<td>0.51</td>
</tr>
<tr>
<td>4V m³/s</td>
<td>0.80</td>
<td>0.78</td>
<td>0.76</td>
<td>0.74</td>
<td>0.72</td>
<td>0.70</td>
<td>0.68</td>
<td>0.66</td>
<td>0.64</td>
<td>0.62</td>
<td>0.60</td>
<td>0.58</td>
<td>0.56</td>
</tr>
<tr>
<td>2V m³/s</td>
<td>0.07</td>
<td>0.06</td>
<td>0.05</td>
<td>0.05</td>
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Pressure (Pa)

Airflow m³/s

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<tbody>
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<td>10V m³/s</td>
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<td>0.93</td>
<td>0.92</td>
<td>0.91</td>
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<td>0.89</td>
<td>0.88</td>
<td>0.87</td>
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<td>0.85</td>
<td>0.84</td>
<td>0.83</td>
<td>0.82</td>
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<td>7V m³/s</td>
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<td>1.19</td>
<td>1.18</td>
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<td>1.16</td>
<td>1.15</td>
<td>1.14</td>
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<td>1.12</td>
<td>1.11</td>
<td>1.10</td>
<td>1.09</td>
</tr>
<tr>
<td>5.5V m³/s</td>
<td>0.92</td>
<td>0.91</td>
<td>0.90</td>
<td>0.89</td>
<td>0.88</td>
<td>0.87</td>
<td>0.86</td>
<td>0.85</td>
<td>0.84</td>
<td>0.83</td>
<td>0.82</td>
<td>0.81</td>
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<td>4V m³/s</td>
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<td>0.39</td>
<td>0.38</td>
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<td>0.36</td>
<td>0.35</td>
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<td>0.33</td>
</tr>
<tr>
<td>2V m³/s</td>
<td>0.11</td>
<td>0.10</td>
<td>0.09</td>
<td>0.09</td>
<td>0.09</td>
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</table>

Access to more information is easy with the e-catalogue

Intelligent Control Unit (ICU) IFICU

- Output 24V to the sensors, inputs are 0-10V from sensors
- Indicates fan run, fault and service requirements
- Can be integrated with a Building Management System (BMS)
- Remote monitoring availability eg. BMS
- Varies fan performance in response to input signals
- Provides ventilation from maximum or trickle to stop
- Duty sharing and auto changeover facility
- Indicates total running time, to assist servicing
- User-friendly display

More information on the Dashio can also be viewed and downloaded for free from our e-catalogue via the following link: