



Adjustable Performance

The Integrated Air Control (IAC) is a Variable Frequency Drive that provides simple and accurate blower control, allowing you to adjust the performance to suit a range of products.

Designed to be flexible, the IAC does not require dedicated control cabinets, so your air blower system can be easily moved around any site, or used in situations where space is at a premium.

The IAC is installed directly onto the blower drive motor, minimising wiring and installation work, and so reducing project planning and installation costs. As well as this, all individual units are fully pre-wired, pre-tested and standardised as required.

Key features of the Integrated Air Control include:

- Variable performance control of the blower output.
- Simple electrical installation of the blower requiring only a single power supply connection.
- Reduction of electrical installation costs for both equipment and labour.
- Works with the full range of blowers from 2.2kW up to 15kW.
- Meets IP65 Protection Class up to 7.5kW / IP55 Protection Class at 11kW and 15kW.



15kW Blower with Integrated Air Control

- Fan-free design up to 7.5kW.
- Meets the most stringent energy efficiency requirements.
- Pre-fitted cable glands.
- Robust and vibration-resistant housing concept.

Control Options

The Integrated Air Control (IAC) comes with a range of control options - from a simple-to-use dial to the very latest touchscreen interface - so you can select the exact output level that matches your application requirements, keeping energy usage to a minimum.



The SolvAir standard IAC unit has an integrated potentiometer dial for adjustable speed control. All IAC units also have a M12 RS485 service interface.



The mid-level option includes a Foil Keypad, incorporating a dial potentiometer with start – stop, reset, and two preset operating buttons.



For full remote control of the system a 4.3" TFT LCD Touch Operated Terminal is also available.

Technical Data

Sizes	B		C		D	
						
Part Number	V600601	V600602	V600603	V600604	V600605	V600606
Recommended motor rating ¹⁾ [kW]	2.2	4.0	5.5	7.5	11.0	15.0
Supply Voltage	3 x 200 VAC -10 %...480 VAC +10 % 280 VDC -10 %...680 VDC +10 %					
Supply Frequency	50/60 Hz ± 6 %					
Soft PLC	IEC61131-3, FBD, ST, AWL					
Housing	Two-part aluminium die-cast casing					
Dimensions [L x W x H] mm	270 x 189 x 140		307 x 223 x 181		414 x 294 x 232	
Weight including adapter plate	5.0 kg		8.7 kg		21.0 kg	
Protection class	IP 65				IP 55	
Cooling	Passive cooling				Active cooling	
Ambient temperature	-25 °C (non-condensing) to +50 °C (without derating)					
Relative air humidity	≤ 96 %, condensation not permitted					
Certificates and conformity	  					

For more information on our Integrated Air Control or Engineered Air Solutions please contact us.