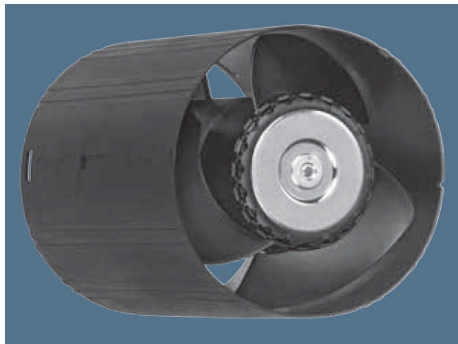


# HYGROMATIK®

## Inline duct fan for 100mm tubes



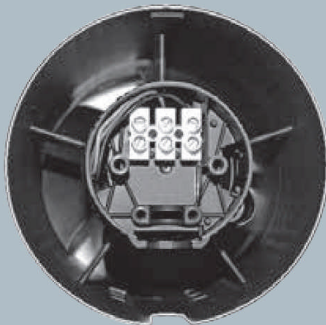
### Highlights:

- Highest energy efficiency thanks to EC technology.
- Protection class IP44 (IP45 possible depending on mounting position).
- Speed-boost function via mains voltage switch.
- Vibration-isolated motor.
- Global voltage - one product applicable for all line voltages and frequencies between 85-265 VAC and 50/60 Hz. Fan speed independent from power frequency.

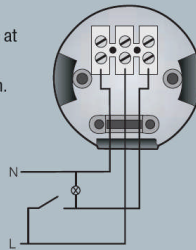
### General features:

- Material: fibreglass-reinforced plastic, housing PP, impeller PA.
- Electrical connection via 3-pole terminal block, max. 1.5 mm<sup>2</sup>.
- Protection class 2.
- Approvals: VDE 60335-3-80. UL, CE, CSA on request.
- Mass: 400 g.

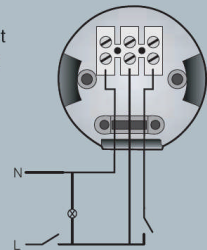
### Connection



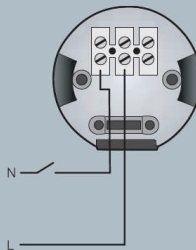
**Example 1:**  
Continuous operation at nominal speed boost speed via light switch.



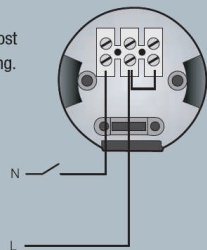
**Example 2:**  
Nominal speed via light switch, separate boost switch.



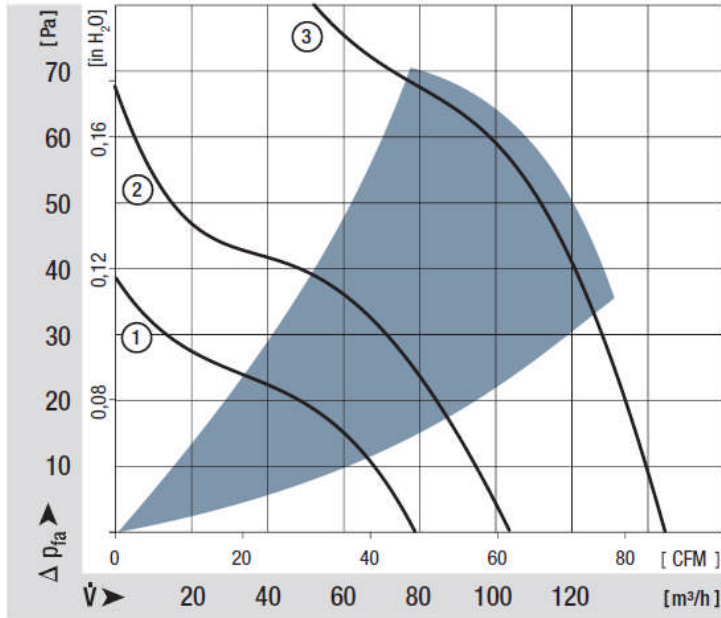
**Example 3:**  
Simple connection, nominal speed without switching.



**Example 4:**  
Simple connection, boost speed without switching.



# HYGROMATIK®



Nominal data		Air flow	Air flow	Nominal voltage	Frequency	Voltage range	Sound pressure level	Sound power level	Sintec sleeve bearings Ball bearings	Power input	Nominal speed	Temperature range	Service life L <sub>10</sub> at 40 °C	at T <sub>max</sub>	Curve
Type		m <sup>3</sup> /h	CFM	V	Hz	VAC	dB(A)	Bel(A)	□ / ■	Watts	RPM	°C	Hours	Hours	
nominal ↓ boost	AC 100 NR	80	47,1	115/230	50-60	85...265	35	4,7	■	2,5	2 750	-10...+55	70 000 / 40 000		1
		105	61,8				42	5,3		4,5	3 500				2