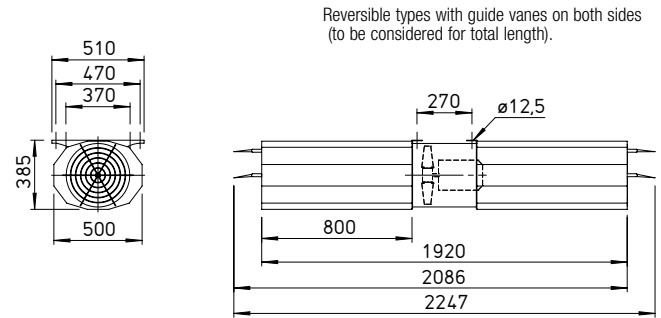


B IVAD 355 F300/F400



Dimensions B IVAD 355 F300/F400



Dim. in mm

Reversible types with guide vanes on both sides (to be considered for total length).

High-quality, high-performance jet fans with optimal dimensions for minimum space requirement. Suitable for supply and extract ventilation of car parks. Temperature range optional 300 °C/120 min. or 400 °C/ 120 min. (in smoke extraction operation) or 60 °C in permanent operation.

Special features

- Low noise emission.
- Maximum thrust.
- Easy and fast to install due to low weight (aluminium construction).
- Direct driven, axial.
- Optional 100% reversible (types B IVAD R).

Casing

Duct casing made from corrosion-resistant aluminium with motor support and ceiling suspension. Aerodynamically shaped inlet with guard, outlet nozzle with adjustable guide vane. Reversible types with adjustable guide vanes on both sides (to be considered for total length).

Impeller

High-performance impeller for unidirectional and reversible operation. Dynamically balanced, quality class 6.3. With flow-optimised blades made from corrosion-resistant aluminium alloy, adjustable in standstill.

Motor

Direct via efficient IE 3 three phase motor. Pole-switching fans with IEC standard motor. Protection class IP55 and temperature-resistant design.

Motor protection

All types are equipped with PTC resistors from the terminal boxes. Thus, efficient motor protection is possible by means of full motor protection device (type MSA, Ref. no. 01289, Accessories) or FU (Accessories). For the smoke extraction function, all full motor protection devices and speed controllers (FU) for the smoke extraction fan must be bridged to achieve the required output and max. operating duration.

Noise insulation

Polygon attenuators mounted on both sides, whose aluminium casings are fully lined with abrasion-resistant mineral wool and galvanised perforated plate according to DIN 4102 (non-flammable).

Installation

With integrated mounting rails as standard, which are fixed directly to the ceiling using temperature-resistant plugs (Accessories, on-site) at four fixing points. In order to prevent vibration transmission, the use of anti-vibration mounts is recommended (SDZ, Accessories, see table).

Electrical connection

Aluminium die-cast terminal box (protection class IP55) as standard, outside on casing. On-site cabling with temperature-resistant connection cable.

Certification

- Structural tolerances according to DIN 2768
 - Performance measurement according to DIN 24163
 - The jet fans B IVAD have been tested according to DIN EN 12101-3.
- EC certificate of compliance:
F300: 0036-CPR-RG05-15
F400: 0036-CPR-RG05-16

Information Page

Techn. description 144 f.

Accessory details Page

Anti-vibration mounts 163

Gas warning systems 168 f.

Type	Ref. no.	Thrust	Discharge speed	Max. output	Nominal speed	Reversible	Sound pressure level ¹⁾	Nominal motor power (output)	Nominal motor current		Wiring diagram	Max. air flow temperature	Net weight approx.	Anti-vibration mount (1 set = 4 pcs.)	
									Operation	Start-up				No.	Type
F300 Three phase motor, 400 V, 50 Hz, protection class IP55															
B IVAD 355/2 R F300	04121	38	17.5	6400	2875	Yes	62	1.50	3.1	23.5	776	60/300	51	SDZ 1 F	01943
B IVAD 355/2 F300	04129	46	19.2	7000	2875	No	63	1.50	3.1	23.5	776	60/300	51	SDZ 1 F	01943
F300 Pole-switching, 2 speed, three phase motor, Dahlander winding $\gamma/\gamma\gamma$, 400 V, 50 Hz, protection class IP55															
B IVAD 355/4/2 R F300	04120	10/38	8.9/17.7	3200/6400	1430/2875	Yes	41/62	0.37/1.50	1.2/3.6	6.0/25.1	777	60/300	53	SDZ 1 F	01943
B IVAD 355/4/2 F300	04128	12/46	9.7/19.4	3600/7000	1430/2875	No	41/63	0.37/1.50	1.2/3.6	6.0/25.1	777	60/300	53	SDZ 1 F	01943
F400 Three phase motor, 400 V, 50 Hz, protection class IP55															
B IVAD 355/2 R F400	04137	38	17.5	6400	2875	Yes	62	1.50	3.1	23.5	776	60/400	54	SDZ 1 F	01943
B IVAD 355/2 F400	04145	46	19.2	7000	2875	No	63	1.50	3.1	23.5	776	60/400	54	SDZ 1 F	01943
F400 Pole-switching, 2 speed, three phase motor, Dahlander winding $\gamma/\gamma\gamma$, 400 V, 50 Hz, protection class IP55															
B IVAD 355/4/2 R F400	04136	10/38	8.9/17.7	3200/6400	1435/2900	Yes	41/62	0.37/1.50	1.3/3.5	5.6/23.0	777	60/400	52	SDZ 1 F	01943
B IVAD 355/4/2 F400	04144	12/46	9.7/19.4	3600/7000	1435/2900	No	41/64	0.37/1.50	1.3/3.5	5.6/23.0	777	60/400	52	SDZ 1 F	01943

¹⁾ measured in freefield conditions below 45°, at distance of 3 m

²⁾ For ventilation / smoke extraction (one-off 120 min.)