

MUB/T 025 355EV

Centrifugal box fan, 120 °C continuous, insulated

Item Number: [230956](#)

Variant: 230V 1~ 50Hz

- Up to 120 °C medium temperature, continuous operation
- Multi-functional use, e.g. for kitchen exhaust air
- Modular system
- Pre-assembled isolator is standard
- Low sound level
- Easy to maintain and reliable
- Motor outside the air stream

All MUB/T fans have impellers with backward curved blades, manufactured from aluminium. The MUB/T fans are suitable for medium temperatures up to 120 °C continuously. Motor protection by cold conductors or thermal contact, to be connected to an external motor protection device. The casing consists of an aluminium frame with fibreglass reinforced plastic corners and double skin, galvanised steel panels with a 30 mm mineral wool insulation. Panels are removable, allowing flexible ventilation solutions - the air direction can easily be changed by 90°. With quick lock access door. The MUB

bottom panel is shaped as a grease tray and incorporates a pre-mounted 1" drain plug. An isolator switch is mounted on the casing. Several filter modules like f.e. activated carbon- or aluminum filters are available, calculated individually on the working point.



Technical parameters

Nominal data		
Voltage (Nominal)	230	V
Frequency	50	Hz
Phase(s)	1~	
Input power	315	W
Input current	1.47	A
Impeller speed	1,400	r.p.m.
Air flow	max 0.763	m³/s
Capacitance of capacitor	8	µF
Temperature of transported air	max 120	°C
Max temperature of transported air, when speed controlled	120	°C
Protection/Classification		
Enclosure class, motor	IP54	
Insulation class	F	

Dimensions and weights

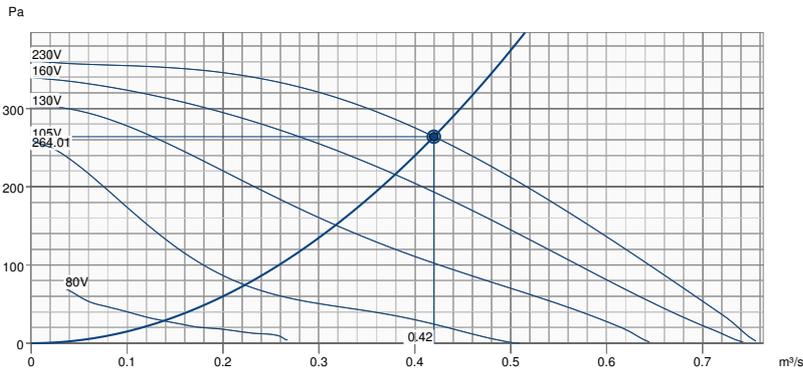
Weight	33.5 kg
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Others

Motor type	AC
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Performance

Performance curve

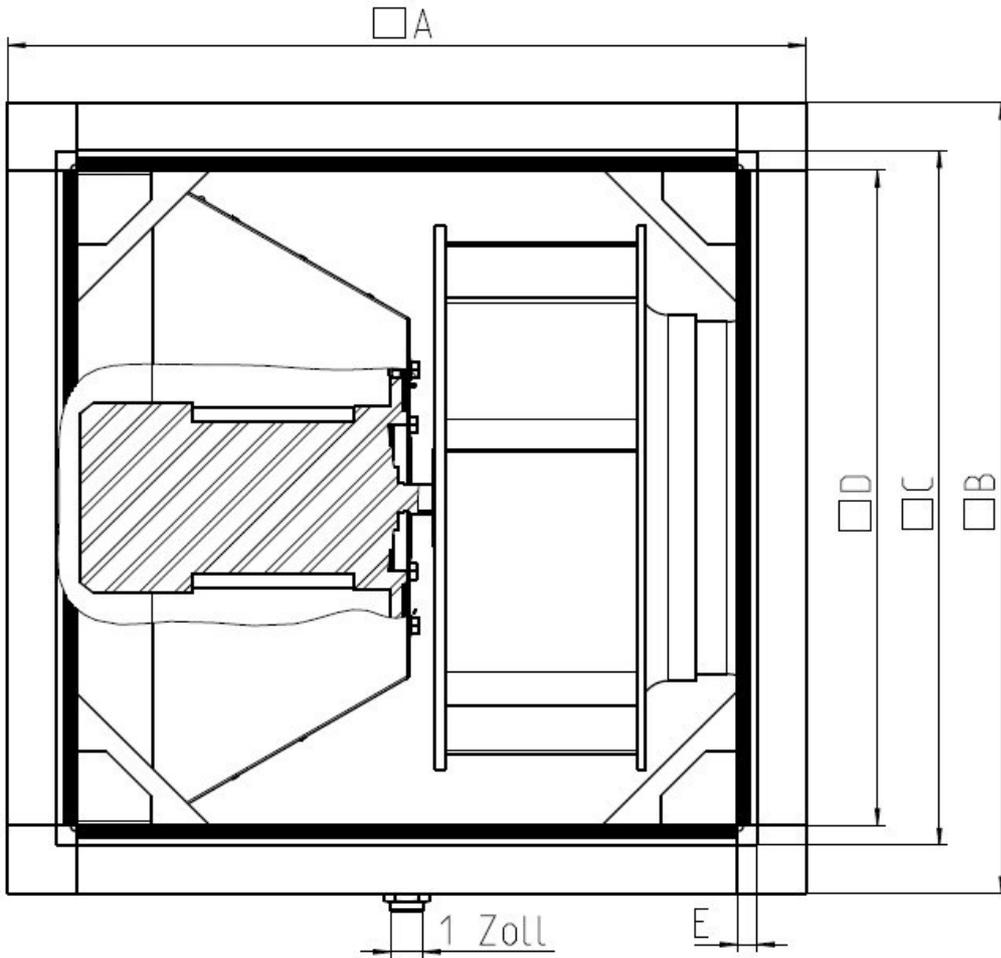


Hydraulic data

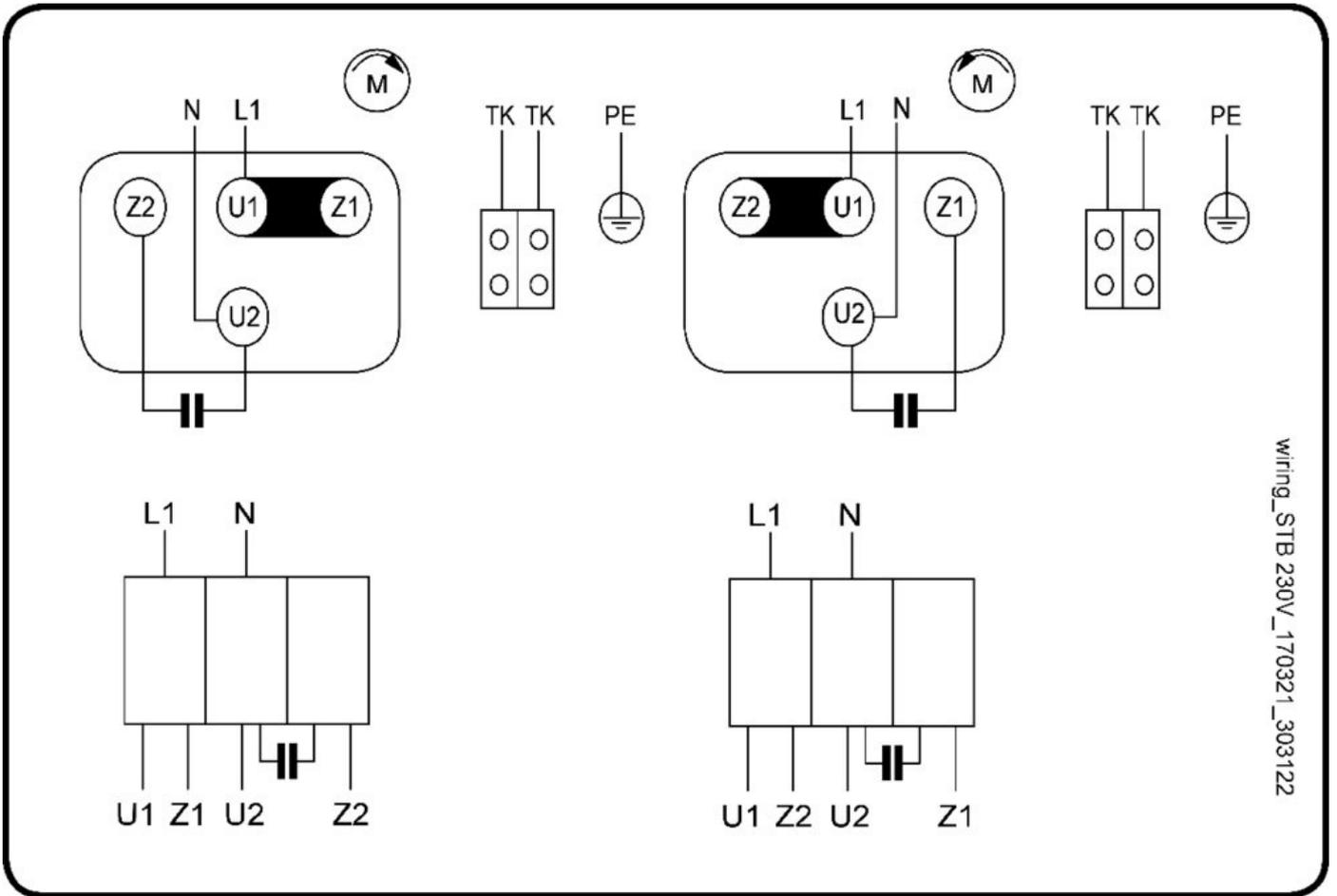
Required air flow	0.42 m³/s
Required static pressure	264 Pa
Working air flow	0.42 m³/s
Working static pressure	264 Pa
Air density	1.204 kg/m³
Power	314.2 W
Fan control - RPM	1400 rpm
Current	1.47 A
SFP	0.748 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Dimension

MUB/T 025	A	B	C	D	E
355	520	520	420	378	21



Wiring



wiring_STB 230V_170321_303122

Acoustic

Mid-frequency band	Hz	63	125	250	500	1000	2000	4000	8000	Tot
LwA Inlet	dB(A)	30	49	66	67	68	65	62	56	73
LwA Outlet	dB(A)	32	50	67	69	69	67	64	58	75
LwA Surrounding	dB(A)	45

Measuring point: $q_v = 1511 \text{ m}^3/\text{h}$, $P_s = 264 \text{ Pa}$

The Level of Casing-Breakout-Noise depends on the quality of shielding the acoustic inlet and outlet noises.

The shown Level of Casing-Breakout-Noise will be reached only in case of 100 % shielding the acoustic inlet and outlet noise and a correspondingly low environment noise.

Accessories

- FGV 025/416-416 flex. conn. (4196)
- M-SG 025/418x418 (311696)
- RTRE 3 Speed control (5009)
- S-ET 10 Motor Protection (161199)
- TUNE-AHU-DE006-025-418x418-M0 (79880)
- UGS 025/355 adapter flex. (4356)
- WSG 025 MUB/T complete (36070)
- FRQS-E-6A (37419)
- CCM inlet MUB025 d315 (312562)
- CCM outlet MUB025 d315 (312535)
- CCMI outlet 025 d315 KIT 30mm (239091)
- RK-MUB-378x378-R (43675)
- RKT-MUB-378x378-S (43683)
- FRQ5S-E-6A (37421)
- REU 1.5 Speed control (5004)
- S-ET 10 Motor Protection (5154)
- SD-MUB Vibration pad set (37324)
- UGS 025/355 adapter flex 120 °C (38365)
- WSD 025 (560x560x70) complete (31480)
- FGV 025/416-416 flex. 120 °C (38360)
- SDM Service Door MUB 025 comp. (32571)
- CCM inlet MUB025 d355 (312718)
- CCM outlet MUB025 d355 (312719)
- CCMI outlet 025 d355 KIT 30mm (239092)
- RK-MUB-378x378-S (43679)

Documents

- imo_mub_all_010_en_248056
- EU DECLARATION OF CONFORMITY_THERMOFANS_EN_[002].PDF
- COMMISSIONING REPORT_FANS_160628_EN_001.PDF

Specification

Multibox Thermo fan for medium temperatures up to 120 °C in continuous operation, reliable, for easy and direct installation in duct systems.

Casing frame construction made of aluminium hollow profiles and plastic corners for highest impact resistance. Double skin galvanised steel panels, thermally and sound insulated with a 30 mm layer of mineral wool, smooth inner sides. Removable service panel. Bottom panel is shaped as a grease tray and incorporates a pre-mounted 1" drain plug.

Free-running, backward curved circular impeller made of aluminium. Impeller acc. to VDI 2060, balancing quality Q 6.3, dynamically balanced in two planes acc. to ISO 21940-11.

Voltage controllable internal rotor motor, standard motor IEC (IP54), outside the air flow, easy to maintain. Integral thermal contacts with leads to a motor protection device. Speed-controlled by voltage reduction via transformer or via frequency inverter.

Terminal box fitted on the motor.

Pre-assembled isolator switch.

Multifunctional use, square connection, intake and discharge side. Variable outlet direction, can be modified on site.

Suitable for kitchen exhaust.

Horizontal installation position only.

For indoor installation.

For outdoor installation with corresponding accessories.