

MUB 025 315EV sileo

Centrifugal box fan, insulated, flexible outlet

Item Number: 235422

Variant: 230V 1~ 50Hz - 90° air flow



- Speed-controllable
- Modular system
- Integral thermal contacts
- Low sound level
- Flexible airflow direction due to removable panels
- Installation in any mounting position
- Maintenance-free and reliable

The MUB fans size 315 have 3D profiled impellers with backward curved blades, manufactured from polyamide. The MUB 315 is equipped with external rotor motors, fully speed controllable. For speed controlling with a frequency converter a type with all pole sine filter is needed!

The three phase motors are D/Y connected for two speed operation. Motor protection is done by thermal contacts with manual reset in acc. with EN 60335-2-80. The casing consists of a corrosion-resistant aluminium frame with fibreglass reinforced plastic corners of PA6; highly shockresistant. The double skin panels are manufactured from galvanised steel with 30 mm mineral wool insulation. To avoid condensation the profile is provided with a separate chamber to fix screws. The Multibox fans are delivered for straight through airflow but can easily be rebuilt due to removable panels. This allows flexible ventilation solutions. The MUB can also be used as extract- or supply air unit in air handling units. Installation in any mounting position is possible.

MUB with additional modules (filters, heaters etc.) are available as air handling units "K025, K042 or K062" on request!



Technical parameters

Nominal data

Voltage (nominal)	230	V
Frequency	50	Hz
Phase(s)	1~	
Input power	132	W
Input current	0.56	A
Impeller speed	1,265	r.p.m.
Air flow	max 0.5411	m³/s
Capacitance of capacitor	4	µF
Temperature of transported air	max 60	°C
Max temperature of transported air, when speed controlled	60	°C

Protection/Classification

Enclosure class, motor	IP44	
Insulation class	B	

Data according to ErP

ErP ready	ErP 2018	
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Dimensions and weights

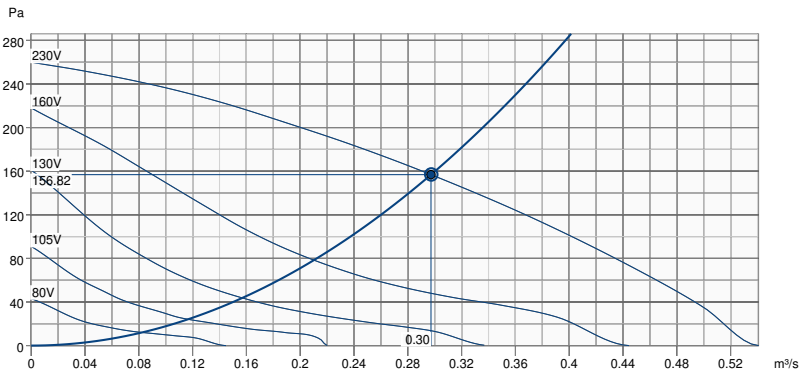
Weight	29.5	kg
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Others

Motor type	AC	
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Performance

Performance curve



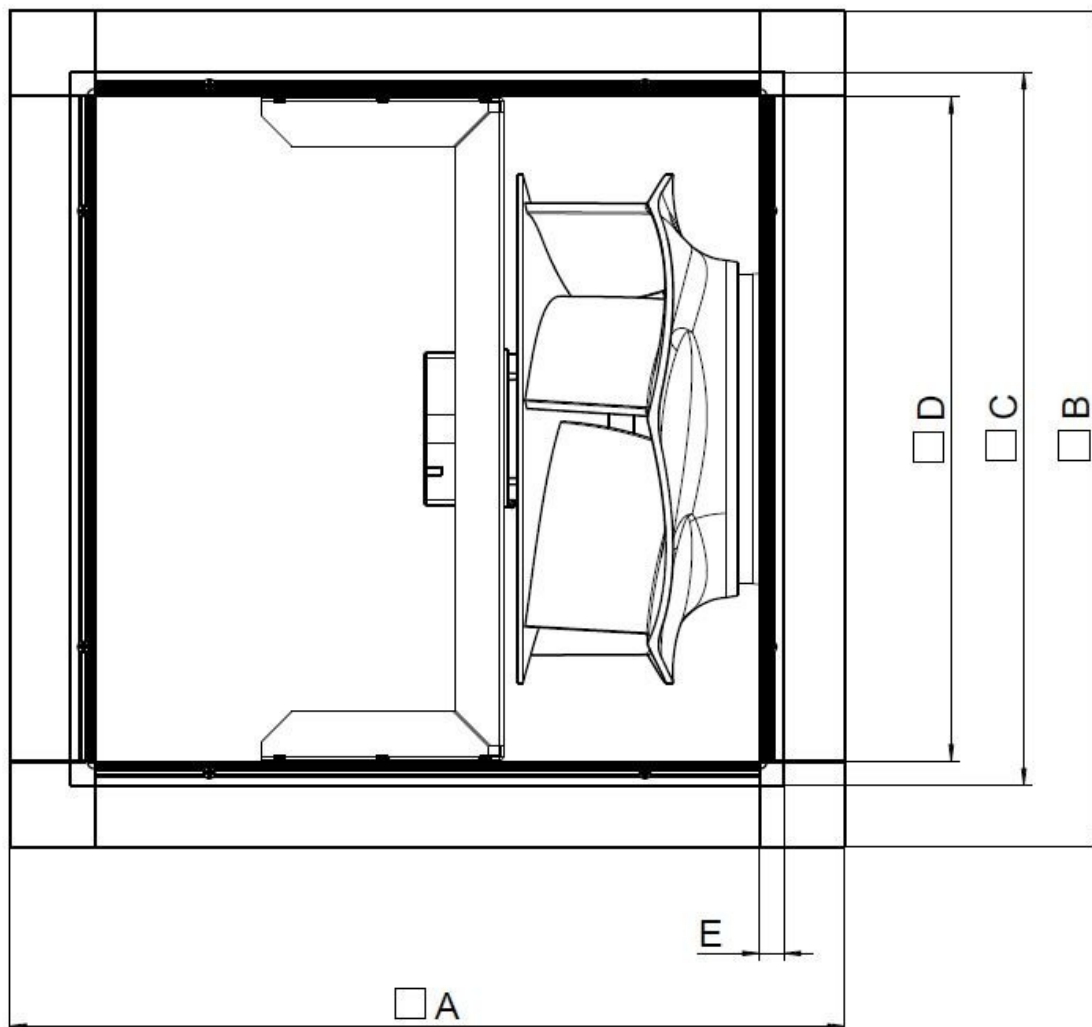
Hydraulic data

Required air flow	0.30 m³/s
Required static pressure	157 Pa
Working air flow	0.30 m³/s
Working static pressure	157 Pa
Air density	1.204 kg/m³
Power	132.0 W
Fan control - RPM	1265 rpm
Current	0.56 A
SFP	0.444 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

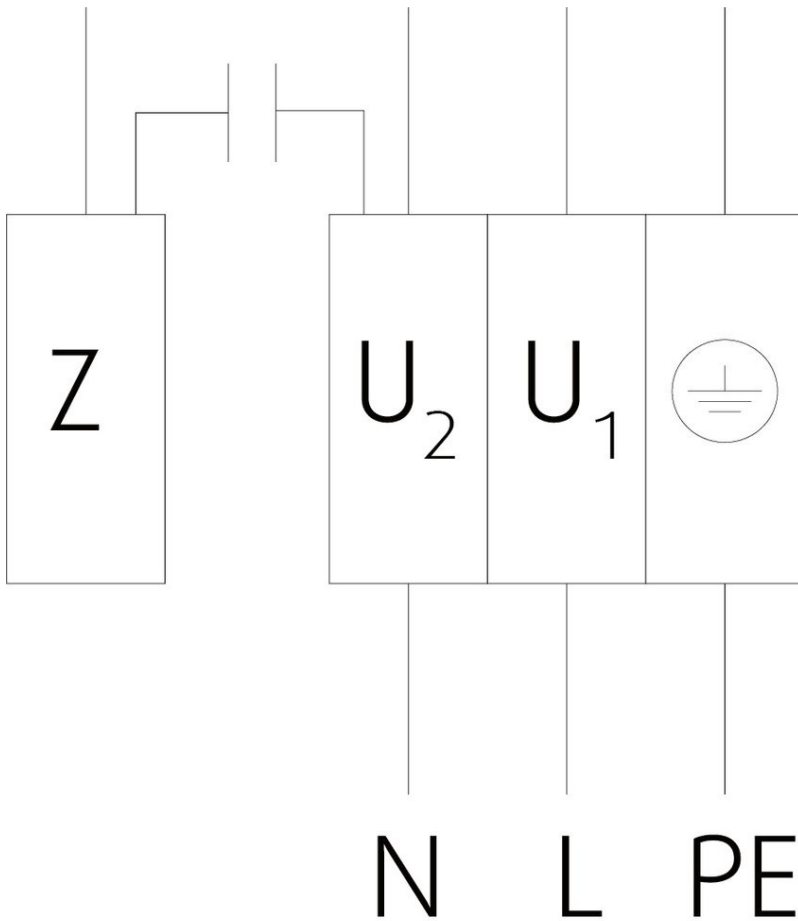
Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	29	50	48	60	59	53	46	37	63
Outlet	dB(A)	31	51	49	61	60	54	47	39	65
Surrounding	dB(A)	26	36	38	40	39	41	38	29	47
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	40
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	26

Dimension

MUB 025	□A	□B	□C	□D	E
315/355	520	520	420	378	21



Wiring



	assignment
L=U1	blue
N=U2	black
Z	brown
PE	green/yellow

Acoustic

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.

Ecodesign

Product	
Trade name	Systemair
Product name	MUB 025 315EV sileo
Ecodesign	
ErP compliance	2018
Unit category	NRVU
Drive	External MSD or VSD
Unit type	UVU
Heat recovery type	None
Temperature ratio (UVU)	Not applicable
qv nom	0.2975 m ³ /s
P nom	0.132 kW
Ps nom	157 Pa
Fan efficiency	35.3 %
External Leakage	5 %
Sound power level LWA	47 dB(A)

Accessories

- FGV 025/416-416 flex. conn. (4196)
- RE 1,5 Speed control (5000)
- REU 1.5 Speed control (5004)
- REV-5POL/07-7,5kW R/Y (33980)
- SD-MUB Vibration pad set (37324)
- UGS 025/355 adapter flex. (4356)
- FRQS-E-6A (37419)
- CCM inlet MUB025 d355 (312718)
- CCM outlet MUB025 d355 (312719)
- CCMI outlet 025 d355 KIT 30mm (239092)
- KKC-DX-L 025 cooling section (277260)
- KKC-W-L 025 cooling section (277268)
- KKF 30 025-filter-section (93310)
- KKS 025 silencer-section (276850)
- FRQ5S-E-6A (37421)
- REE 1 Speed control (5314)
- REV-5POL/05-7,5kW R/Y (33979)
- REV-9POL/12-7,5kW R/Y (33981)
- TUNE-AHU-DE006-025-418x418-M0 (79880)
- WSD 025 (560x560x70) complete (31480)
- CCM inlet MUB025 d315 (312562)
- CCM outlet MUB025 d315 (312535)
- CCMI outlet 025 d315 KIT 30mm (239091)
- GRU 025 base frame h= 100mm (276660)
- KKC-DX-R 025 cooling section (277264)
- KKC-W-R 025 cooling section (277272)
- KKH-HW 025 heater-section (93334)

Documents

- imo_mub_all_010_en_248056
- UKCA DECLARATION OF CONFORMITY_MUB_EN_[001].PDF
- COMMISSIONING REPORT_FANS_160628_EN_001.PDF