

MUB 042 450E4 SILEO MULTIBOX

Item no. 37908

Version: 50 Hz; 90° airflow

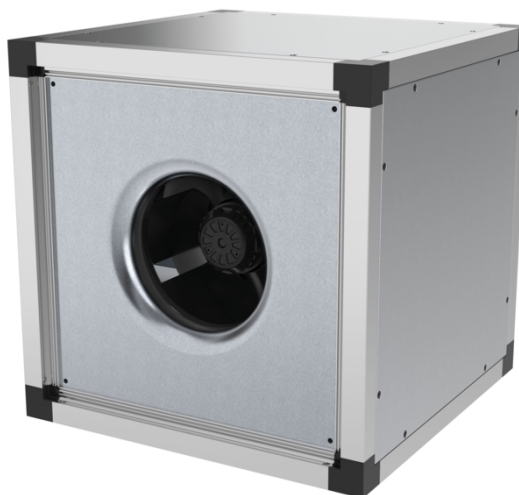
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Description

- 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 450 have impellers with backward curved blades, manufactured from aluminium. The MUB 450 is equipped with external rotor motors, fully speed controllable. The three phase motors are D/Y connected for two speed operation. Motor protection is done by thermal contacts, which have to be connected to an external motor protection device. The casing consists of a corrosion-resistant aluminium frame with fibreglass reinforced plastic corners of PA6; highly shock-resistant. The double skin panels are manufactured from galvanised steel with 20 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.



Note! Motors marked with E (e.g. E4) is 1-phased

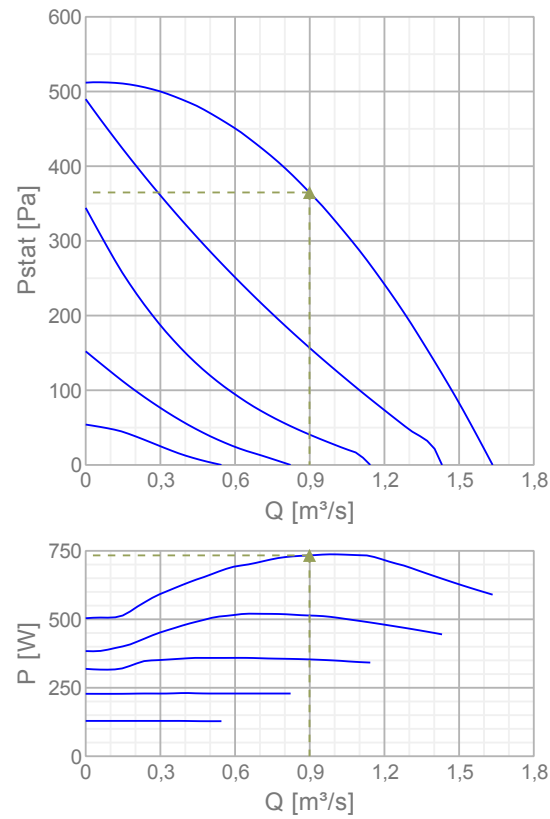
Technical parameters

Nominal data		
Voltage	230	V
Frequency	50	Hz
Phase	1	~
Input power (P1)	737	W
Current	3,04	A
Max. airflow	1,64	m³/s
R.p.m.	1341	r.p.m.
Capacitor	14	µF
Weight	54,5	kg
Temperature data		
Max. temperature of transported air	60	°C
Max. temperature of transported air when speed-controlled	60	°C
Sound data		
Sound pressure level at 3 m	52	dB(A)

Protection / Classification	
Insulation class	F
Enclosure class, motor	IP54
ErP	
ErP ready	ErP 2016/ErP 2018

Diagrams

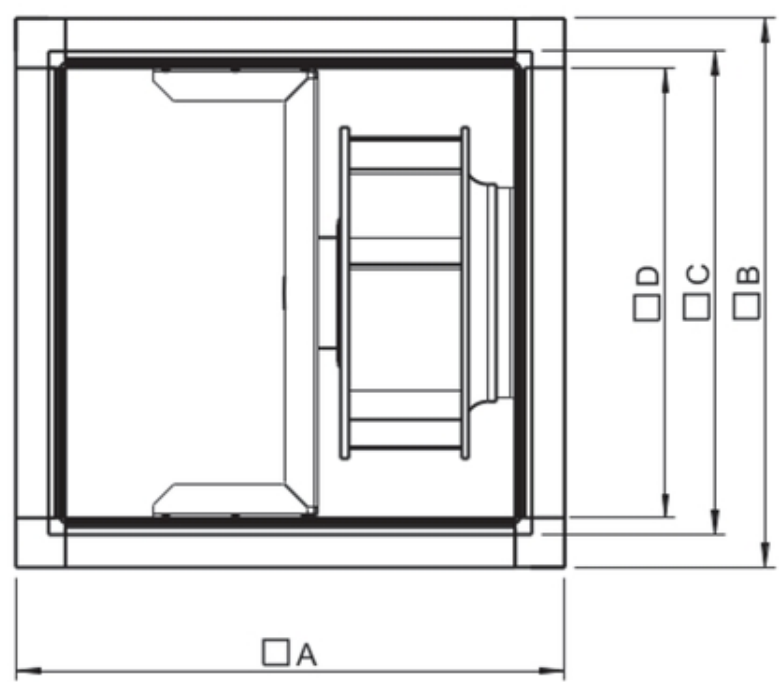
Diagrams



Max efficiency

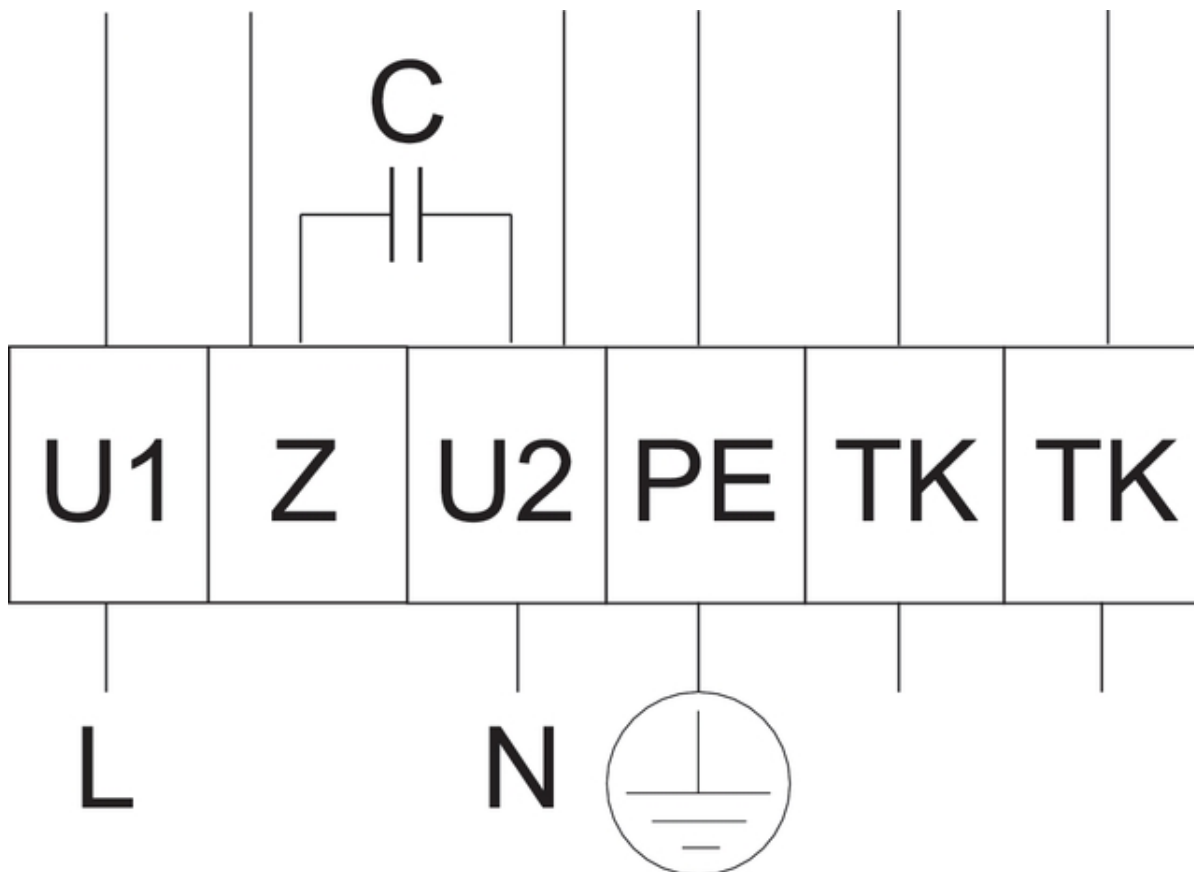
Hydraulic data	
▲ Working air flow	0,899 m^3/s
▲ Working static pressure	365 Pa
▲ Power	733 W
Speed	1341 r.p.m.
Current	3,03 A
SFP	0,816 $\text{W}/(\text{l/s})$
Voltage	230 V

Dimensions



□A	□B	□C	□D
MUB 042 450	670	670	590 548

Wiring



Accessories

Electric accessories

[REU 5 Speed control \(5006\)](#)
[RTRE 5 Speed control \(5010\)](#)
[REE 4 Speed control \(5317\)](#)
[S-ET 10 Motor Protection \(5154\)](#)
[STL 5 Speed controller \(84271\)](#)
[REV-5POL/05 ON/OFF \(33979\)](#)
[FRQS-E-6A \(37419\)](#)
[FRQ5S-E-6A \(37421\)](#)

Accessories

[UGS 042/500 adapter flex. \(4357\)](#)
[FGV 042/586-586 flex. conn. \(4605\)](#)
[WSD 042 \(730x730x70\) complete \(31481\)](#)
[WSG 042 MUB complete \(31485\)](#)
[SDM Service Door MUB 042 comp. \(32572\)](#)
[CCM outlet MUB042 d400 \(311682\)](#)
[CCM outlet MUB042 d500 \(311683\)](#)
[CCM inlet MUB042 d400 \(311780\)](#)
[CCM inlet MUB042 d500 \(311781\)](#)
[SD-MUB Vibration pad set \(37324\)](#)
[CCMI outlet 042 d400 insul KIT \(313845\)](#)
[CCMI outlet 042 d500 insul KIT \(313846\)](#)
[TUNE-AHU-DE007-042-588x588-M0 \(79881\)](#)
[RK-MUB-548x548-R \(43676\)](#)
[RK-MUB-548x548-S \(43680\)](#)
[RKT-MUB-548x548-S \(43684\)](#)

Documentation



IMO_MUB_141026_DE,EN,SE,DK,ES,RU_001_311722_web.pdf (2,95MB)



eu declaration of conformity_mub_en_[001].pdf (48,20kB)



Commissioning Report_fans_160628_en_001.pdf (42,79kB)

Acoustics

Mid-frequency band, Hz

	Hz	Tot	63	125	250	500	1k	2k	4k	8k
LwA Inlet	dB(A)	75	62	64	68	70	69	66	61	54
LwA Outlet	dB(A)	77	64	66	70	72	71	68	63	56
LwA Surrounding	dB(A)	59	46	48	52	54	53	50	45	38

Measuring point: qv = 1,06 m³/s, Ps = 250 Pa

Specification text