

MUB 042 500E4-A2 MULTIBOX+

Item no. 2141

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 499 have impellers with backward curved blades, manufactured from aluminium. The MUB 499 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.



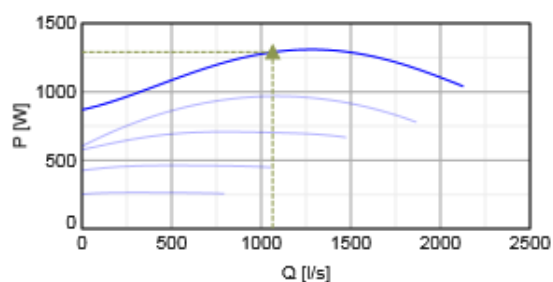
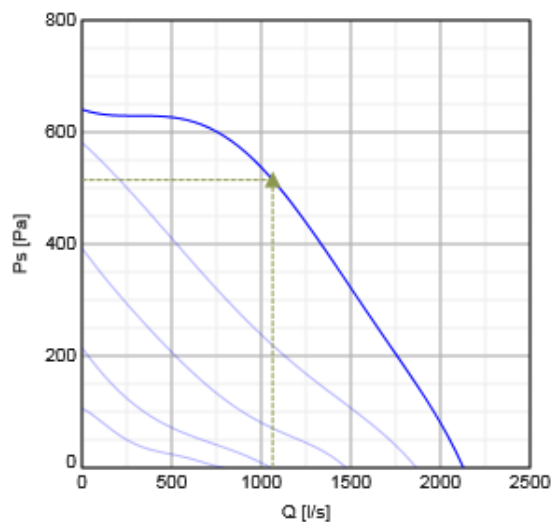
Note! Motors marked with E (e.g. E4-A2) is 1-phased

Technical parameters

Voltage	230	V
Frequency	50	Hz
Phase	1	~
Input power (P1)	1310	W
Current	5.78	A
Max. airflow	2128	l/s
R.p.m.	1332	r.p.m.
Max. temperature of transported air	40	°C
Sound pressure level at 3 m	56	dB(A)
Weight	57	kg
Insulation class, motor	F	
Enclosure class, motor	54	IP
Capacitor	30	µF

Diagrams

Diagrams



Hydraulic data

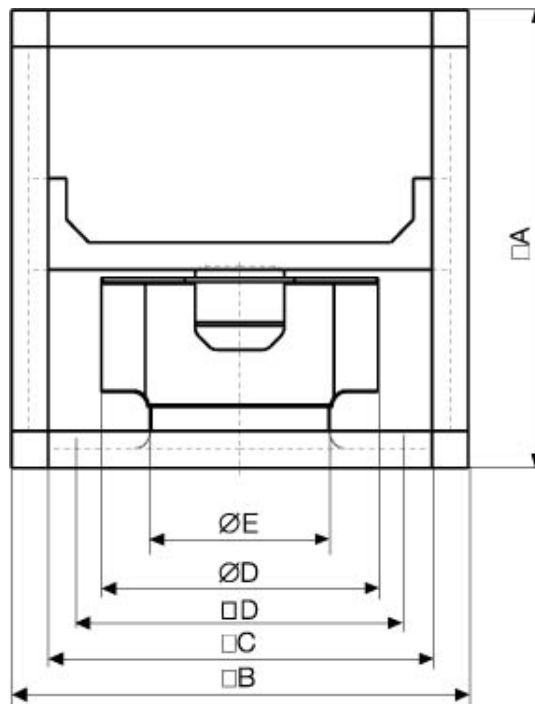
	Working point						
	Q [l/s]	Ps [Pa]	P [W]	n [r.p.m.]	I [A]	SFP [kW/m³/s]	U [V]
Max efficiency	1064	515	1290	1333	5.7	1.21	230

Acoustics

		Mid-frequency band, Hz									
		Hz	Tot	63	125	250	500	1k	2k	4k	8k
LwA Inlet	dB(A)	79	66	68	72	74	73	70	65	58	
LwA Outlet	dB(A)	81	68	70	74	76	75	72	67	60	
LwA Surrounding	dB(A)	63	50	52	56	58	57	54	49	42	

Measuring point: $q_v = 1,35 \text{ m}^3/\text{s}$, $P_s = 380 \text{ Pa}$

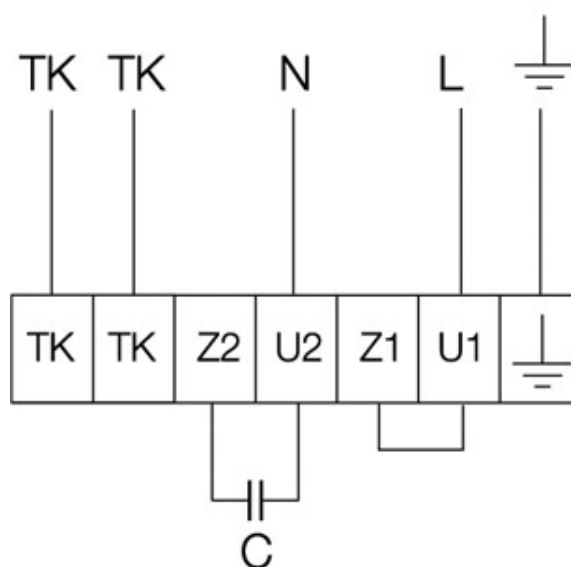
Dimensions



	□A	□B	□C	□D	øD	øE
MUB025 355	500	500	420	378	355	224
MUB042 400	670	670	590	548	404	253
MUB042 450	670	670	590	548	454	286
MUB042 499	670	670	590	548	504	321
MUB042 500	670	670	590	548	504	321

Wiring

230V 1~



Accessories

Electric accessories

- REU 7 Speed control (5007)
- REV-5POL/05 ON/OFF (33979)
- RTRE 7 Speed control (5011)
- S-ET 10 Motor Protection (5154)
- STL 10 Speed controller (84272)

Accessories

CCM inlet MUB042 d400 (311780)
CCM inlet MUB042 d500 (311781)
CCM outlet MUB042 d400 (311682)
CCM outlet MUB042 d500 (311683)
FGV 042/586-586 flex. conn. (4605)
SDM Service Door MUB 042 comp. (32572)
SD-MUB Vibration pad set (37324)
SRKG 042/588-588 shutter valve (4868)
UGS 042/500 adapter flex. (4357)
WSD 042 (730x730) complete (31481)
WSG 042 MUB complete (31485)

Documentation



[\(2014-01_EC-declaration of conformity MUB_DE-EN.pdf, 472kB\)](#)



[\(Operating and maintenance instructions_2010-07.pdf.pdf, 488kB\)](#)



[\(IMO_MUB_DE-EN-SE-DK-ES-RU_311722.pdf, 5MB\)](#)