

MUB/T-S 042 450D4 IE2

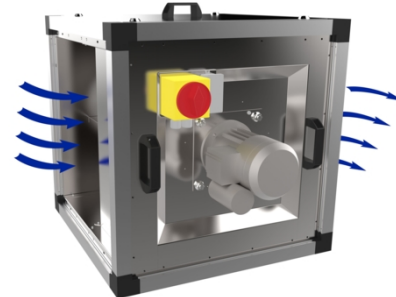
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Description

- Inline airflow direction
- Up to 120°C medium temperature, continuous operation
- use, e.g. for kitchen exhaust air
- Pre-mounted isolator is standard
- Low sound level
- High efficient IE2 motors
- Easy to maintain and reliable
- Motor outside the air stream

All MUB/T-S fans have new optimized and high efficient HD impellers with backward curved blades, manufactured from aluminium. The fans are equipped with IEC standard motors outside the air stream with efficiency class IE2 for all 400V three phase motors from 0.75 kW. Optimum motor protection by cold conductors 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 20 mm mineral wool insulation. With quick lock access door. The MUB bottom panel is a drain tray and incorporates a pre-mounted 1" drain plug. An additional pre-wired isolator switch is mounted on the casing.



Please note: Speed control by voltage, i.e. voltage transformers, is not possible!

In accordance with Commission Regulation (EC) no 640/2009 of the European Parliament - eco-design requirements for electric motors - the new international efficiency classes are binding as of 16 June 2011. These guidelines defined by CEMEP and EPACT are regarded as international standard for energy-saving high-efficiency motors for frequencies of 50 or 60 Hz and make the use of IE2 motors mandatory.

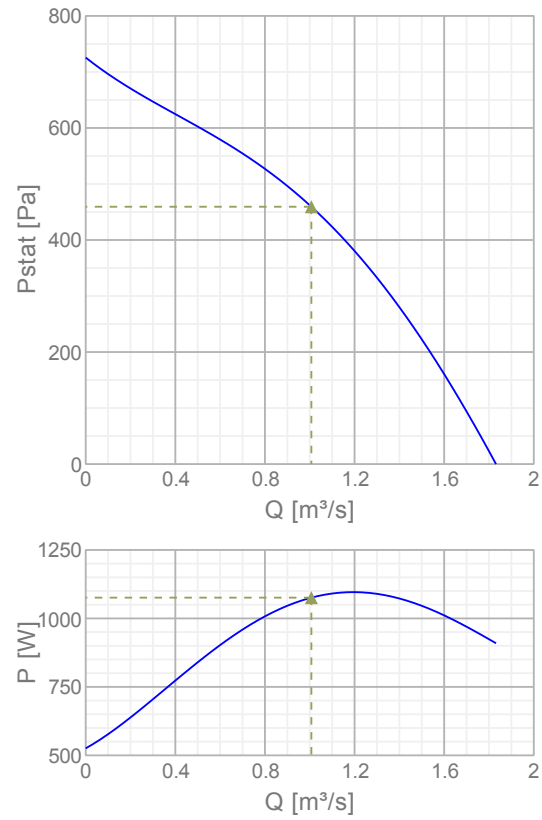
With this new and more efficient technology we offer our customers many advantages such as environmentally friendly operation, reduced energy consumption and hence lower emissions. IE2 motors have a higher efficiency even in part load operation and allow optimum adjustment to the operating point. In addition, the IE2 motors generate less noise and develop less heat, which has a positive influence on the efficiency and the cooling requirement of the motor. Please note: IE2 motors cannot be speed controlled by voltage, i.e. voltage transformers.

Technical parameters

Nominal data		
Voltage	400	V
Frequency	50	Hz
Phase	3	~
Input power (P1)	1096	W
Current	2.05	A
Max. airflow	1.83	m³/s
R.p.m.	1419	r.p.m.
Weight	70	kg
Temperature data		
Max. temperature of transported air	120	°C
Sound data		
Sound pressure level at 3 m	49	dB(A)
Protection / Classification		
Insulation class	F	
Enclosure class, motor	IP55	IP
Default group		
Connection	Y	

Diagrams

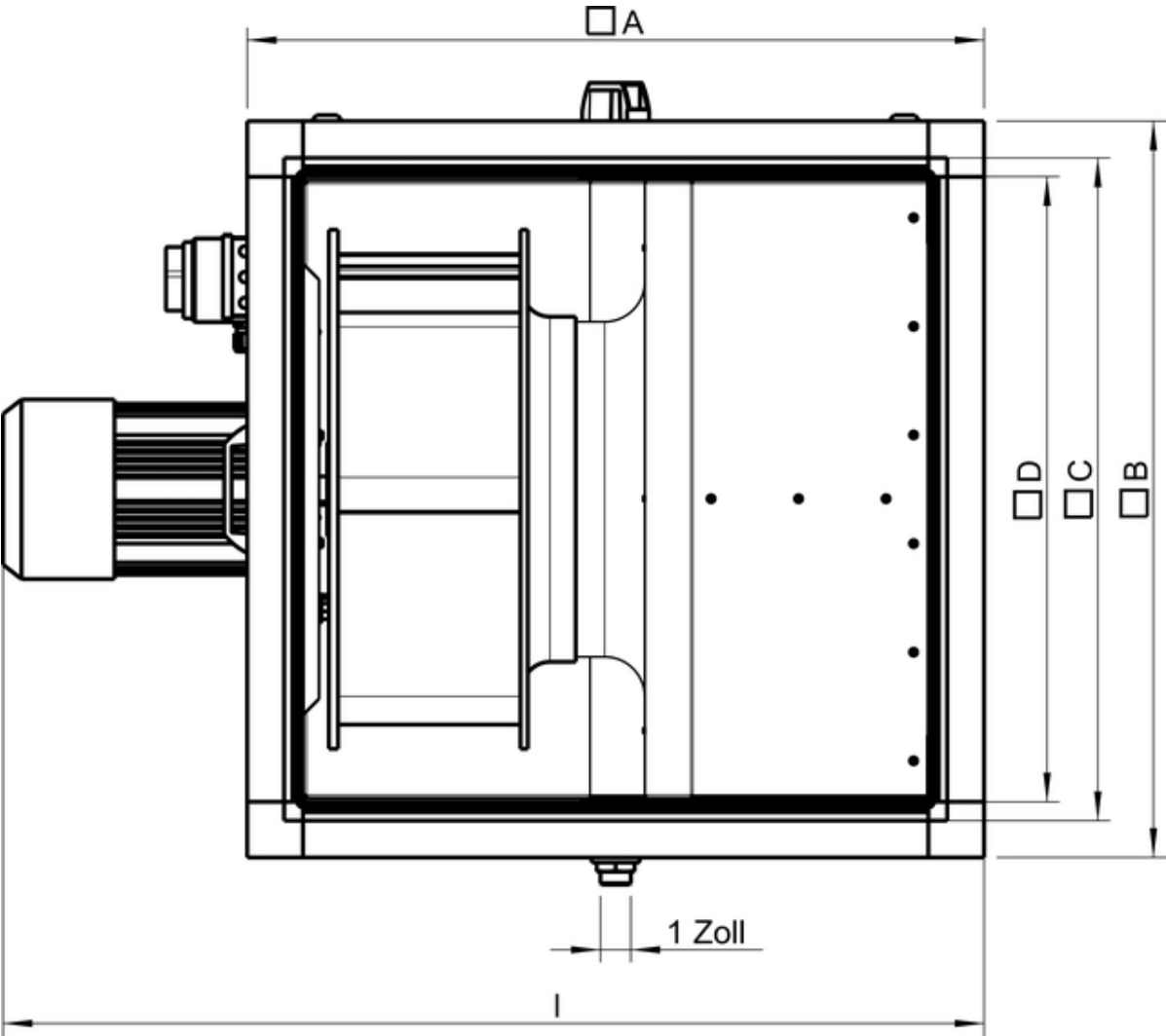
Diagrams



Max efficiency

Hydraulic data		
▲ Working air flow		1.01 m³/s
▲ Working static pressure		459 Pa
▲ Power		1076 W
Speed		1421 r.p.m.
Current		2.02 A
SFP		1.07 W/(l/s)
Voltage		400 V

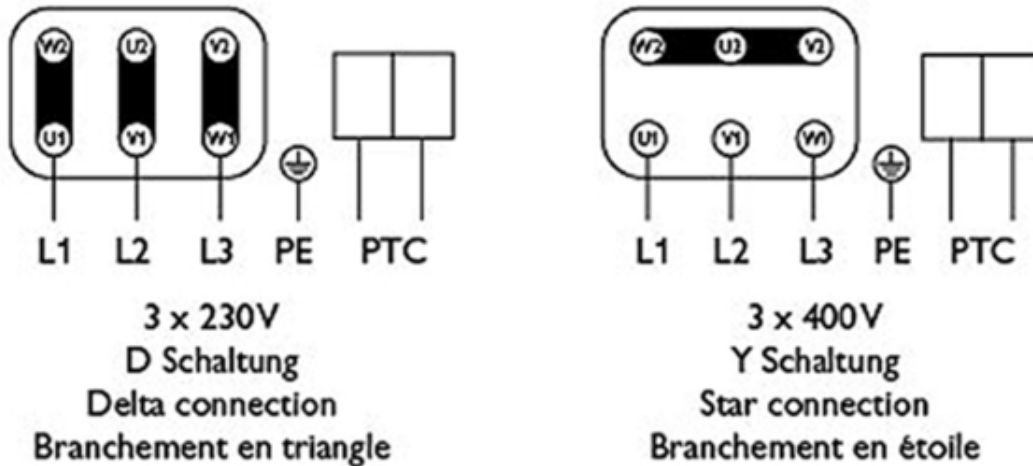
Dimensions



	□A	□B	□C	□D	I
MUB/T-S 042 450D4	670	670	590	548	867

Wiring

Dreiphasenmotor mit Kaltleiter Three phase motor with cold conductor Moteur triphasé avec résistance PTC



Drehrichtungsänderung durch Vertauschen von 2 Phasen
Changing of direction of rotation by interchanging of two phases
Changement de sens de rotation par inversion de deux phases

Typenschild beachten! See label! Voir plaque!

Accessories

Electric accessories

[U-EK230E EX Motorprotec. \(30199\)](#)
[FRQ-4A V2 \(36227\)](#)
[FRQ5-4A+LED V2 \(36229\)](#)
[FRQ5S-4A+LED V2 \(36233\)](#)
[FRQS-4A V2 \(36231\)](#)

Accessories

[UGS 042/500 adapter flex. \(4357\)](#)
[FGV 042/586-586 flex. conn. \(4605\)](#)
[WSD 042 \(730x730x70\) complete \(31481\)](#)
[SDM Service Door MUB 042 comp. \(32572\)](#)
[CCM outlet MUB042 d400 \(311682\)](#)
[CCM outlet MUB042 d500 \(311683\)](#)
[WSG 042 MUB/T complete \(36071\)](#)
[SD-MUB Vibration pad set \(37324\)](#)
[CCMI outlet 042 d400 insul KIT \(313845\)](#)
[CCMI outlet 042 d500 insul KIT \(313846\)](#)
[WSD MUB/T-S short \(37497\)](#)
[TUNE-AHU-DE007-042-588x588-M0 \(79881\)](#)
[FGV 042/586-586 flex. 120°C \(38361\)](#)
[UGS 042/400 adapter flex 120°C \(38368\)](#)
[UGS 042/500 adapter flex 120°C \(38369\)](#)
[RK-MUB-548x548-R \(43676\)](#)
[RK-MUB-548x548-S \(43680\)](#)
[RKT-MUB-548x548-S \(43684\)](#)

Documentation

 [manual_mub_all_en-de_web_\[001\].pdf \(4,49MB\)](#)

 ec-dec_thermofans_170614_DE,GB_003_ab 20. April.pdf (549,66kB)

 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)	71	58	60	64	66	65	62	47	50
LwA Outlet	dB(A)	73	60	62	66	68	67	64	59	52
LwA Surrounding	dB(A)	56	43	45	49	51	50	47	42	35

Measuring point: qv = 1,01 m3/s, Ps = 459 Pa