

MUB/T 100 630D4-K2-L

Centrifugal box fan, 120°C continuous, insulated

Item Number: [235438](#)

Variant: 400V 3~ 50Hz

- Up to 120°C medium temperature, continuous operation
- Multi-functional use, e.g. for kitchen exhaust air
- Modular system
- Integral cold conductor (PTC)
- Pre-assembled isolator is standard
- Low sound level
- Easy to maintain and reliable
- High efficient motors
- Speed-controllable via frequency converter
- Motor outside the air stream

All MUB/T fans have impellers with backward curved blades, manufactured from aluminium, and IEC standard motors outside the air stream for all 400V three phase motors from 0.75 kW. The MUB/T fans are suitable for medium temperatures up to 120°C continuously. Motor protection by cold conductors (PTC), 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. With quick lock access door. The MUB/T bottom panel is shaped as a condensate 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)	400	V
Frequency	50	Hz
Phase(s)	3~	
Motor circuit connection	D	
Input power	5,175	W
Input current	8,860	A
Impeller speed	1,450	r.p.m.
Air flow	max 5.2611	m³/s
Temperature of transported air	max 120	°C
Max temperature of transported air, when speed controlled	120	°C

Sound data

Sound pressure level at 3m (20m ² Sabin)	61	dB(A)
Sound pressure level at 3m (free field)	67	dB(A)
Sound pressure level at 4m (free field)	65	dB(A)

Protection/Classification

Enclosure class, motor	IP55
Insulation class	F

Data according to ErP

ErP ready	Not ErP relevant
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Dimensions and weights

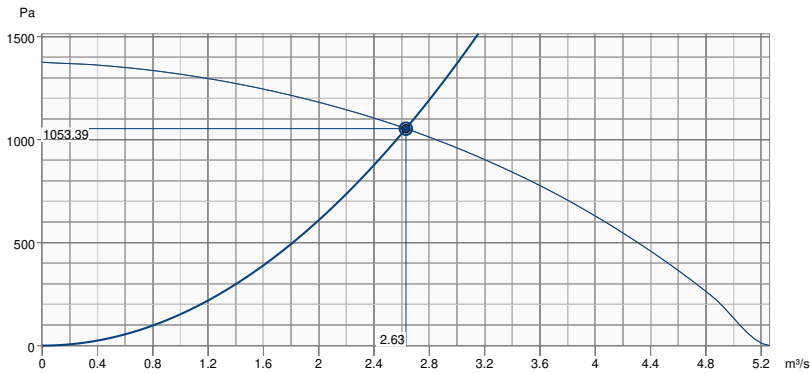
Weight	183	kg
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Others

Motor type	AC
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Performance

Performance curve

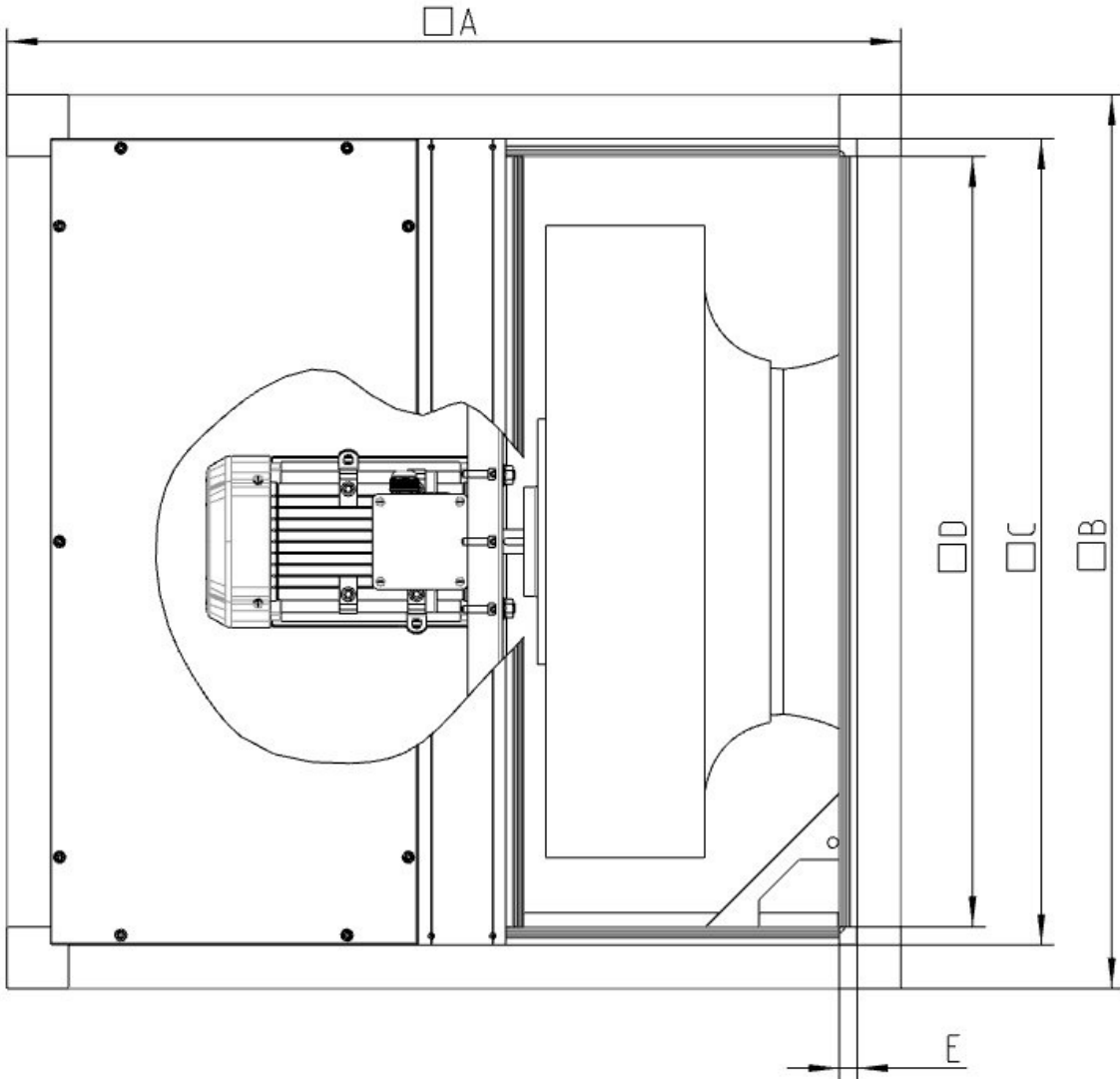


Hydraulic data

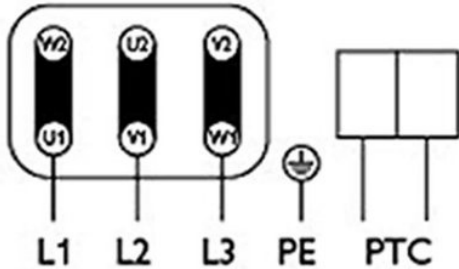
Required air flow	2.63 m³/s
Required static pressure	1053 Pa
Working air flow	2.63 m³/s
Working static pressure	1053 Pa
Air density	1.204 kg/m³
Power	4890.4 W
Fan control - RPM	1442 rpm
Current	7.99 A
SFP	1.859 kW/m³/s
Control voltage	400.0 V
Supply voltage	400 V

Dimension

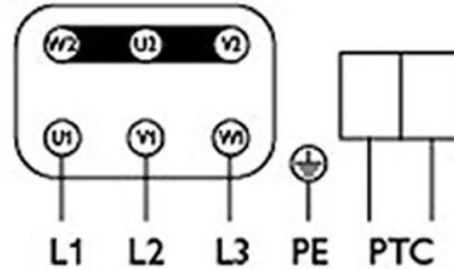
MUB/T 100	□A	□B	□C	□D	E
630	1020	1020	920	878	21



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



3 x 400V
D Schaltung
Delta connection
Branchement en triangle



3 x 690V
Y Schaltung
Star connection
Branchement en étoile

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 plaquette!

Acoustic

Mid-frequency band	Hz	63	125	250	500	1k	2k	4k	8k	Tot
LwA Inlet	dB(A)	53	72	75	78	79	77	71	65	84
LwA Outlet	dB(A)	54	74	77	80	80	79	73	67	86
LwA Surrounding	dB(A)	57

Measuring point: $q_v = 9469 \text{ m}^3/\text{h}$, $P_s = 1053 \text{ Pa}$

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 100/916-916 flex. conn. (4199)
- FRQ5-10A+LED V2 (36230)
- FXDM14AM Frequency inv. IP54 (31389)
- SD-MUB Vibration pad set (37324)
- U-EK230E Motor protection (30199)
- FGV 100/916-916 flex. 120°C (38363)
- REV-5POL/07-EMV-7,5kW R/Y (34549)
- GRU 100 base frame h= 100mm (276663)
- KKF-CAR 100-filter-section (277348)
- KKF-KITCHEN 100-filter-section (277367)
- KKS 100 silencer-section (276853)
- FRQ-10A V2 (36228)
- FRQ5S-10A+LED V2 (36234)
- REV-5POL/05-7,5kW R/Y (33979)
- TUNE-AHU-DE009-100-918x918-M0 (79883)
- WSD 100 (1060x1060x70) compl. (31483)
- FRQS-10A V2 (36232)
- ALS-KBR drain plug (2727)
- KKF-ALU 100-filter-section (376817)
- KKF-CAR 127-filter-section (277349)
- KKF-KITCHEN 127-filter-section (277368)

Documents

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