MUB/T 062 630D4 IE2

Item Number: 33660
Variant: 400V 3~ 50Hz

Please note: Speed controll 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.
Up to 120°C medium temperature, continuous operation
Multi-functional use, e.g. for kitchen exhaust air
Modular system
Pre-assembled isolator is standard
Low sound level
Easy to maintain and reliable
High efficient IE2 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 with efficiency class IE2 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 or thermal contact, 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. Panels are removable, allowing flexible ventilation solutions - the air direction can easily be changed. With quick lock access door. The MUB 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

Norminal data		
Voltage (Nominal)	400	V
Frequency	50	Hz
Phase(s)	3~	
Input power	4,505	W
Starting current	60.9	A
Input current	7.54	A
Impeller speed	1,452	r.p.m.
Air flow	max 4.078	m^3/s
Temperature of transported air	max 120	°C

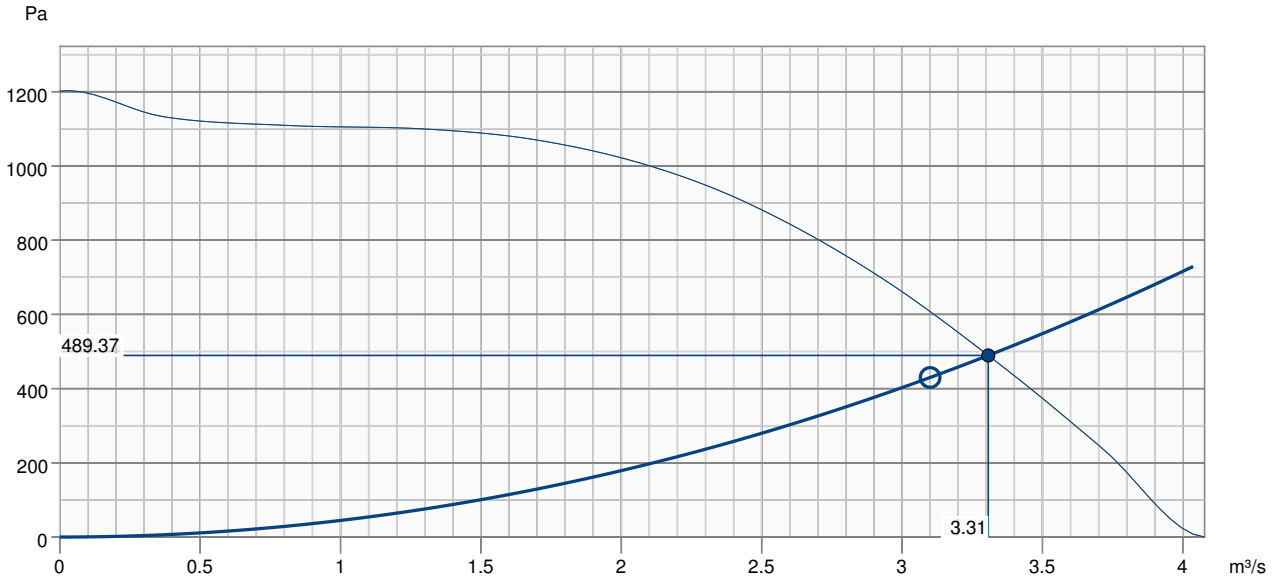
Sound data		
Sound pressure level at 3m (20m^2 Sabin)	75	dB(A)

Protection/Classification		
Enclosure class, motor	IP55	
Insulation class	F	

Dimensions and weights		
Weight	102	kg

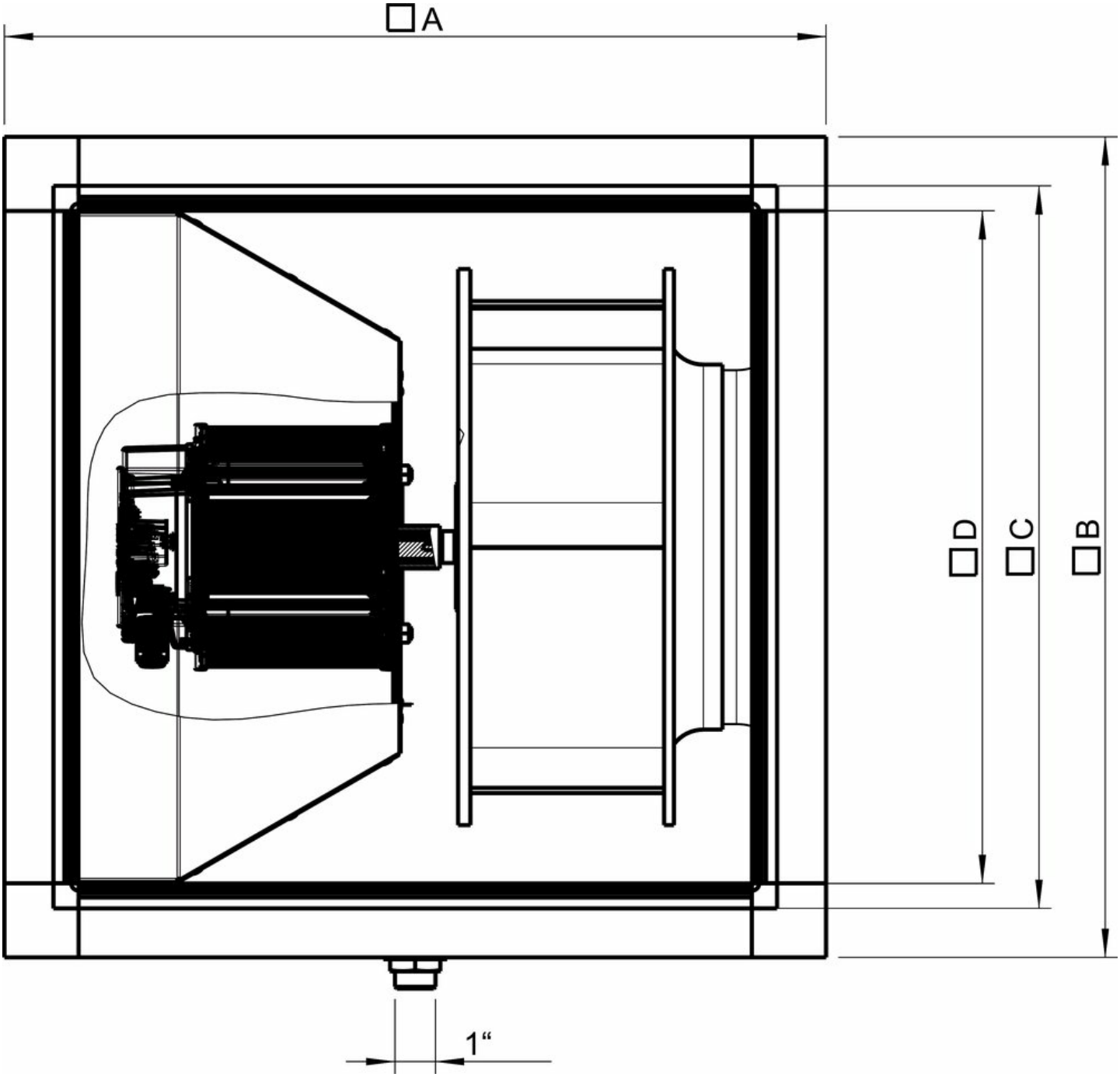
Others		
Motor type	AC	

Performance curve



Hydraulic data	
Required air flow	3.10 m³/s
Required static pressure	430 Pa
Working air flow	3.31 m³/s
Working static pressure	489 Pa
Air density	1.204 kg/m³
Power	4352.2 W
Fan control - RPM	1454 rpm
Current	7.35 A
SFP	1.316 kW/m³/s
Control voltage	400.0 V
Supply voltage	400 V

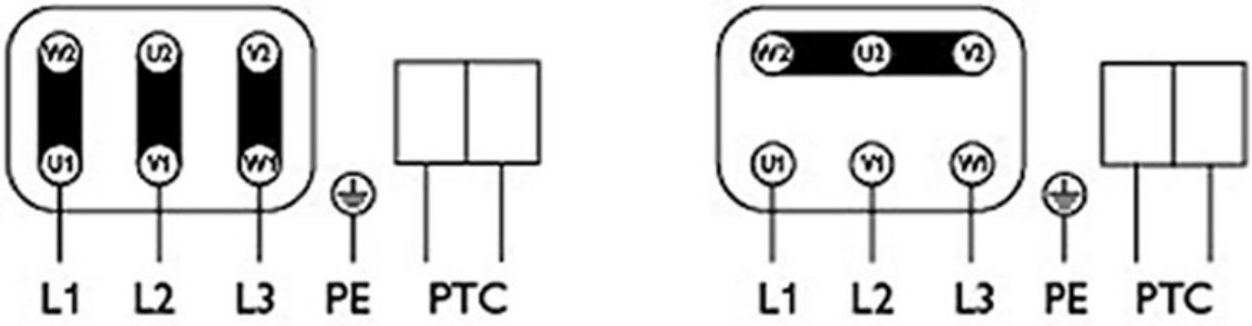
Dimension



	□A	□B	□C	□D
MUB/T 062 630	800	800	720	678

Wiring

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
Changment de sens de rotation par inversion de deux phases

Typenschild beachten! See label! Voir plaquette!

Acoustic

Mid-frequency band, Hz										
630D4	Hz	Tot	63	125	250	500	1k	2k	4k	8k
LwA Inlet	dB(A)	86	73	75	79	81	80	77	72	65
LwA Outlet	dB(A)	88	75	77	81	83	82	79	74	67
LwA Surrounding	dB(A)	75	62	64	68	70	69	66	61	54
Measuring point: qv = 2,47 m3/s, Ps = 896 Pa										

Accessories

- CCM inlet MUB062 d560 (311782)
- CCM inlet MUB062 d630 (311783)
- CCM outlet MUB062 d560 (311684)
- CCM outlet MUB062 d630 (311681)
- CCMI outlet 062 d560 insul KIT (313847)
- CCMI outlet 062 d630 insul KIT (313848)
- FGV 062/716-716 flex. 120°C (38362)
- FGV 062/716-716 flex. conn. (4198)
- FRQ-10A V2 (36228)
- FRQ5-10A+LED V2 (36230)
- FRQ5S-10A+LED V2 (36234)
- FRQS-10A V2 (36232)
- FXDM14AM Frequency inv. IP54 (31389)
- M-SG 062/718x718 (301346)
- SD-MUB Vibration pad set (37324)
- SDM Service Door MUB 062 comp. (32573)
- TUNE-AHU-DE008-062-718x718-M0 (79882)
- U-EK230E Motor protection (30199)
- UGS 062/500 adapter flex 120°C (38370)
- UGS 062/630 adapter flex 120°C (38371)
- UGS 062/630 adapter flex. (4358)
- WSD 062 (860x860x70) complete (31482)
- WSG 062 MUB/T complete (36067)

Documents

- IMO_MUB_141026_DE,EN,SE,DK,ES,RU_001_311722_WEB.PDF
- EU DECLARATION OF CONFORMITY_THERMOFANS_EN_[002].PDF
- EC Declaration of Conformity KBT, KBR, MUB-K, MUB-T, MUB-T-S, DVV
- COMMISSIONING REPORT_FANS_160628_EN_001.PDF

Specification

Multibox Thermo fan for medium temperatures up to 120 °C in continuous operation, reliable, for easy and direct installation in duct systems.

Casing frame construction made of aluminium hollow profiles and plastic corners for highest impact resistance. Double skin galvanised steel panels, thermally and sound insulated with a 20 mm layer of mineral wool, smooth inner sides. Removable service panel. Bottom panel is shaped as a grease tray and incorporates a pre-mounted 1" drain plug.

Free-running, backward curved circular impeller made of aluminium. Impeller acc. to VDI 2060, balancing quality Q 6.3, dynamically balanced in two planes acc. to ISO 21940-11.

Internal rotor motor, frequency inverter control, standard motor IE2 (IP55), outside the air flow. Integral thermal contacts with leads to a motor protection device.

Terminal box fitted on the motor.

Pre-assembled isolator switch.

Multifunctional use, square connection, intake and discharge side. Variable outlet direction, can be modified on site.

Suitable for kitchen exhaust.

Horizontal installation position only.

For indoor installation.

For outdoor installation with corresponding accessories.