

MUB/T 062 630EC

Centrifugal box fan, 120°C continuous, insulated

Item Number: [161705](#)

Variant: 400V 3~ 50/60Hz

- EC-motors, high level of efficiency
- 100% speed controllable
- Up to 120°C medium temperature, continuous operation
- Multi-functional use, e.g. for kitchen exhaust air
- Pre-assembled isolator is standard
- Low sound level
- Easy to maintain and reliable
- Motor outside the air stream
- Integrated motor protection
- Potentiometer included for ease of commissioning

EC technology is intelligent technology; using integral electronic control which eliminates the slip losses in the motor and ensures that the motor always runs at optimal load and guarantees that the proportion of energy utilized effectively is many times higher and the energy usage considerably lower compared with AC motors. EC fans are notable for their economical use of energy and excellent ease of control.

They can be varied in speed to match the airflow demand, and operate at high efficiency levels. For the same air volume, they consume distinctly less energy than AC fan drives. Another special feature of EC fans is their energy-saving potential not only at full load, but especially at part-load. When operating at part load, the energy used is much lower than with an asynchronous motor of equivalent output. Reduced energy usage guarantees a drop in operating costs. The power electronics are integrated in the motor housing.

All MUB/T-EC models have one potential-free terminal for error message. All motors are suitable to be used for 50/60Hz. The input voltage for single phase units can vary between 200 and 277V, for three phase units between 380 and 480V. Speed control by a 0-10V signal. The fans are delivered with a pre-wired potentiometer (0-10 V) that allows you to easily find the required working point. All MUB/T-EC fans have impellers with backward curved blades, manufactured from aluminium. The MUB/T-EC fans are suitable for medium temperatures up to 120°C continuously. 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-EC 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.



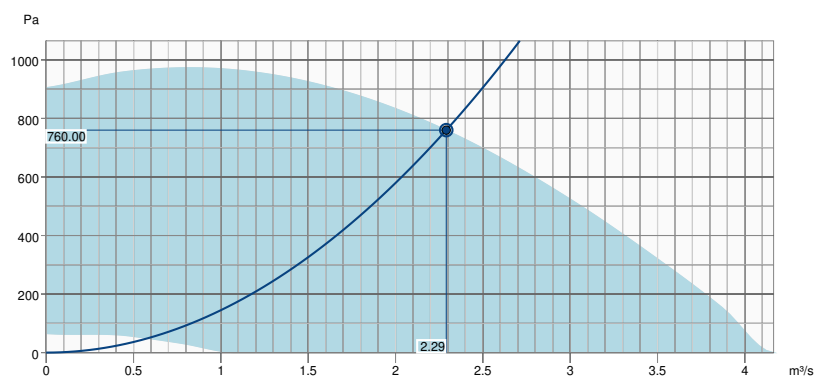
Technical parameters

Nominal data		
Voltage (nominal)	400	V
Frequency	50; 60	Hz
Phase(s)	3~	
Input power	2,816	W
Input current	4.18	A
Impeller speed	1,512	r.p.m.
Air flow	max 4.165	m³/s
Temperature of transported air	max 120	°C
Max temperature of transported air, when speed controlled	120	°C

Protection/Classification	
Enclosure class, motor	IP55
Insulation class	F
Data according to ErP	
ErP ready	Not ErP relevant
Dimensions and weights	
Weight	113.25 kg
Others	
Motor type	EC

Performance

Performance curve



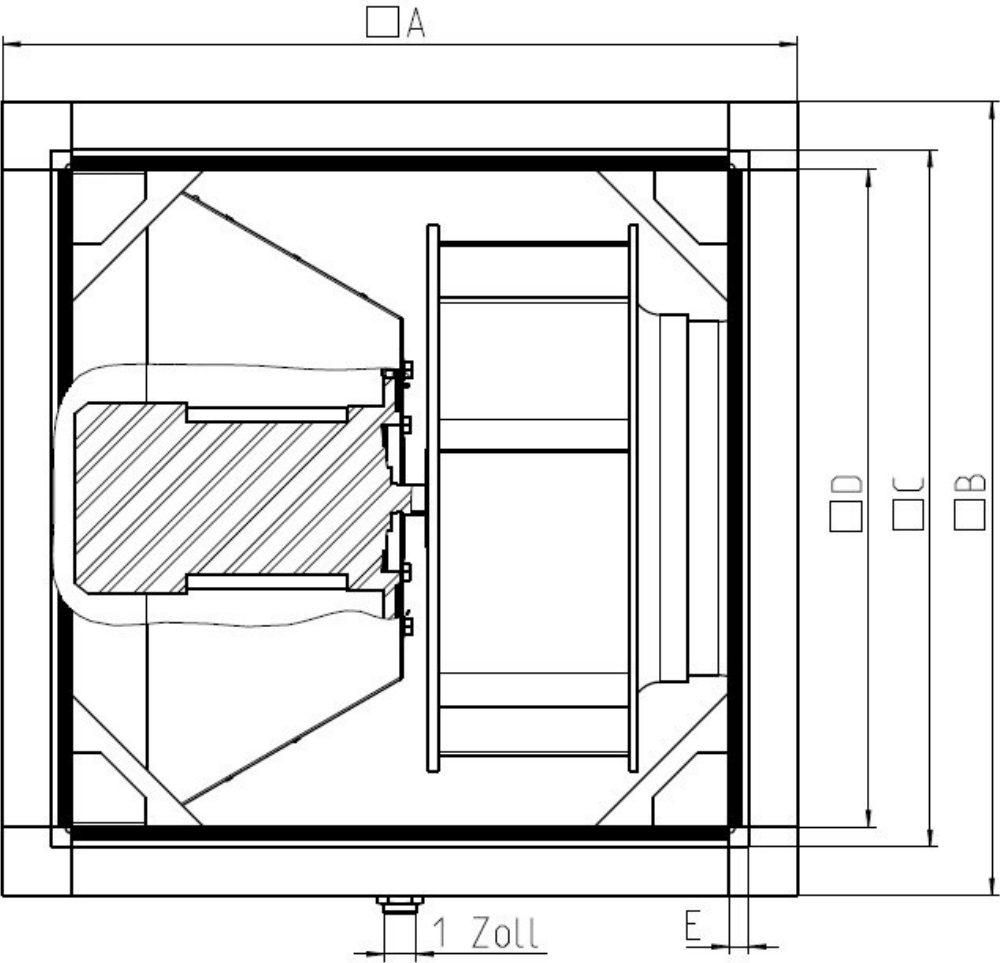
Hydraulic data

Required air flow	2.29 m³/s
Required static pressure	760 Pa
Working air flow	2.29 m³/s
Working static pressure	760 Pa
Air density	1.204 kg/m³
Power	2805.2 W
Fan control - RPM	1512 rpm
Current	4.15 A
SFP	1.225 kW/m³/s
Control voltage	10.0 V
Supply voltage	400 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	55	68	71	75	75	71	67	62	80
Outlet	dB(A)	54	74	74	78	78	76	71	66	84
Surrounding	dB(A)	38	59	58	47	48	46	40	31	62
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	55
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	41

Dimension

MUB/T 062	□A	□B	□C	□D	E
500/560/630	820	820	720	678	21



Accessories

- CXE/AVC Modbus (37256)
- EC-Basic-H humidity (24807)
- EC-Basic-U universal 0-10V (24806)
- EC-Vent Room Unit (3018)
- M-SG 062/718x718 (301346)
- MTP 20, on/off, 3-step (310220)
- S-5EC/FRQ (76738)
- TUNE-AHU-DE008-062-718x718-M0 (79882)
- UGS 062/630 adapter flex 120°C (38371)
- WSD 062 (860x860x70) complete (31482)
- CO2RT-R-D Transmitter (6993)
- HR1 Room Humidistat (215150)
- RT 0-30 Room Thermostat (5151)
- CCM inlet MUB062 d630 (311783)
- CCM outlet MUB062 d630 (311681)
- CCMI outlet 062 d630 KIT 30mm (239096)
- KKF-ALU 062-filter-section (376816)
- KKF-CAR 100-filter-section (277348)
- KKF-KITCHEN 100-filter-section (277367)
- EC-Basic-CO2 and temperature (24808)
- EC-Basic-T temperature (24805)
- EC-Vent control board (3115)
- FGV 062/716-716 flex. conn. (4198)
- MTP 10, 10K, Speed control (32731)
- MTV-1/010 Controller 0..10V+ (30650)
- SD-MUB Vibration pad set (37324)
- UGS 062/500 adapter flex 120°C (38370)
- UGS 062/630 adapter flex. (4358)
- WSG 062 MUB/T complete (36067)
- FGV 062/716-716 flex. 120°C (38362)
- Presence detector/IR24-P (6995)
- CCM inlet MUB062 d560 (311782)
- CCM outlet MUB062 d560 (311684)
- CCMI outlet 062 d560 KIT 30mm (239095)
- GRU 062 base frame h= 100mm (276662)
- KKF-CAR 062-filter-section (277347)
- KKF-KITCHEN 062-filter-section (277364)
- KKS 062 silencer-section (276852)

Documents

- imo_mub_all_010_en_248056
- UKCA DECLARATION OF CONFORMITY_THERMOFANS_EN_[001].PDF
- COMMISSIONING REPORT_FANS_160628_EN_001.PDF
- MUB-T 042 500-560 EC-Poti_37204_DE-EN.pdf