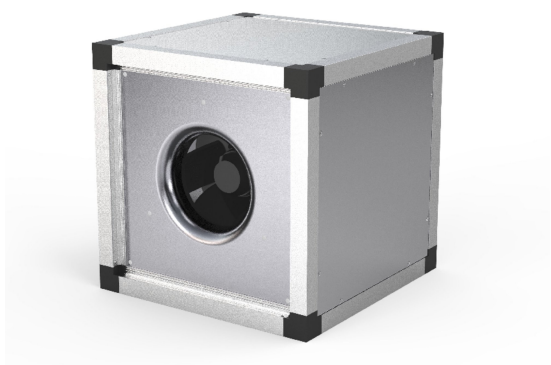


MUB 042 500D4 Multibox

Article Number: 235396

Variant : 400V 3~ 50Hz - 90° air flow



Description

- High efficient motor
- Speed-controllable via frequency converter
- Integral cold conductor (PTC)
- Low sound level
- Flexible airflow direction due to removable panels
- Installation in any mounting position
- Easy to maintain and reliable

The MUB fan are equipped with high efficient motors. The MUB fans have an impeller with backward curved blades, manufactured from aluminum. Speed control is only possible by using a frequency converter. Motor protection is done by cold conductors (PTC), which have to be connected to an external motor protection device. The casing consists of an aluminum frame with fiberglass reinforced plastic...

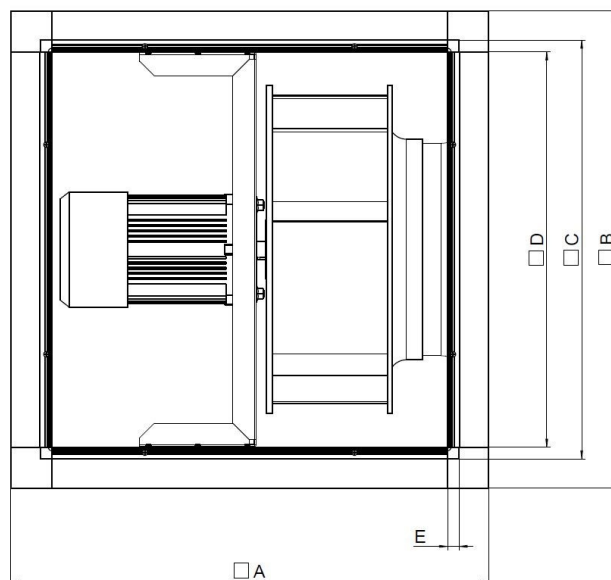
[Find more details in our online catalogue](#)

Technical parameters

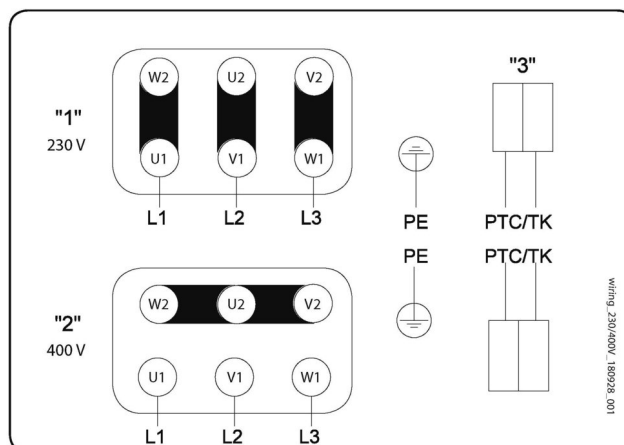
Nominal data		
Voltage (nominal)	400	V
Frequency	50	Hz
Phase(s)	3~	
Input power	1,454	W
Input current	3.01	A
Impeller speed	1,454	rpm
Air flow	max 2.214	m³/s
Temperature of transported air	max 40	°C
Max temperature of transported air, when speed controlled	40	°C
Protection/Classification		
Enclosure class, motor	IP55	
Insulation class	F	
Data according to ErP		
ErP ready	ErP 2016; ErP 2018	
Dimensions and weights		
Weight	64.5	kg
Others		
Motor type	AC	

Dimension

MUB 042	□A	□B	□C	□D	E
400/450/500	690	690	590	548	21

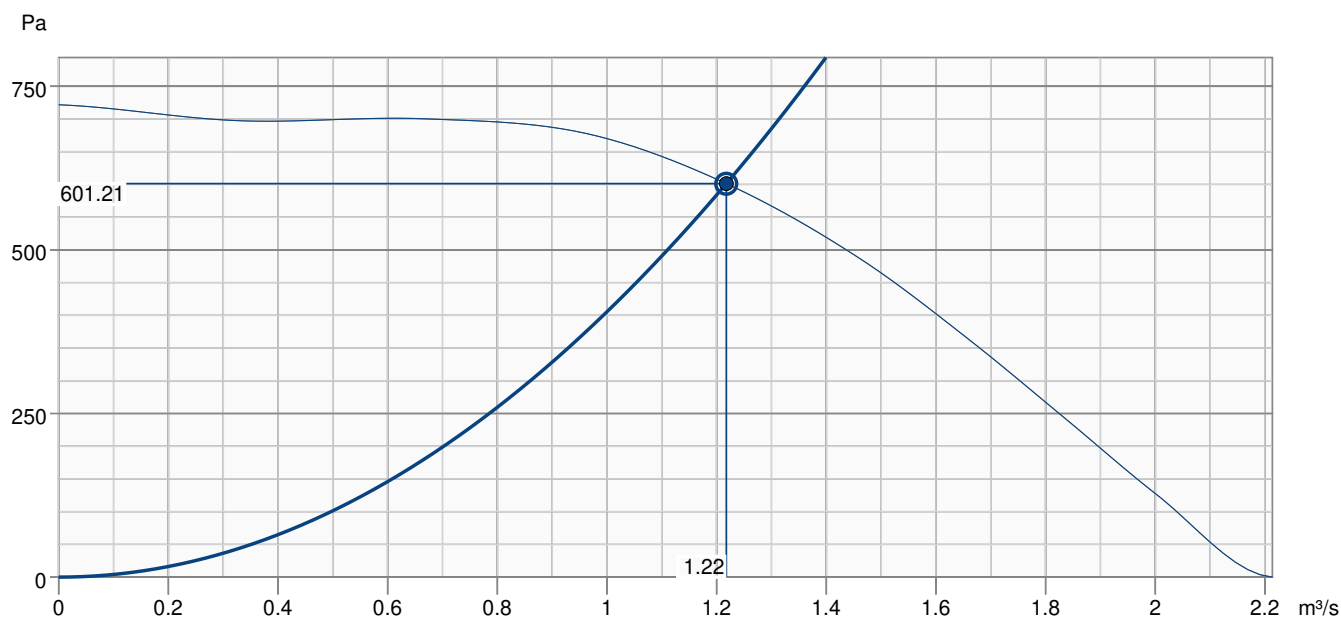


Wiring



- 1 3 x 230V Delta Connection
 - 2 3 x 400V Star connection
 - 3 PTC / TK
- Changing of direction of rotation by interchanging of two phases

Performance curve



Hydraulic data										
Required air flow		1.22 m³/s								
Required static pressure		601 Pa								
Working air flow		1.22 m³/s								
Working static pressure		601 Pa								
Air density		1.204 kg/m³								
Power		1444.1 W								
Fan control - RPM		1460 rpm								
Current		3.00 A								
SFP		1.186 kW/m³/s								
Control voltage		400.0 V								
Supply voltage		400 V								
Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	47	69	71	76	77	74	72	63	82
Outlet	dB(A)	48	71	73	78	78	76	74	65	83
Surrounding	dB(A)	26	51	47	46	48	48	40	28	55
Sound pressure level at 3m (20m² Sabine)	dB(A)	-	-	-	-	-	-	-	-	48
Sound pressure level at 3m free field	dB(A)	-	-	-	-	-	-	-	-	34

Accessories

FGV 042/586-586 flex. conn. (4605)	FRQ-4A V2 (36227)
FRQ5-4A+LED V2 (36229)	FRQ5S-4A+LED V2 (36233)
FRQS-4A V2 (36231)	FXDM5AM Frequency inv. IP54 (31387)
REV-5POL/05-7,5kW R/Y (33979)	SD-MUB Vibration pad set (37324)
TUNE-AHU-DE007-042-588x588-M0 (79881)	U-EK230E Motor protection (30199)
UGS 042/500 adapter flex. (4357)	WSD 042 (730x730x70) complete (31481)
WSG 042 MUB complete (31485)	REV-5POL/07-EMV-7,5kW R/Y (34549)
CCM inlet MUB042 d400 (311780)	CCM inlet MUB042 d500 (311781)
CCM outlet MUB042 d400 (311682)	CCM outlet MUB042 d500 (311683)
CCMI outlet 042 d400 KIT 30mm (239093)	CCMI outlet 042 d500 KIT 30mm (239094)
GRU 042 base frame h= 100mm (276661)	KKC-DX-L 042 cooling section (277261)
KKC-DX-R 042 cooling section (277265)	KKC-W-L 042 cooling section (277269)
KKC-W-R 042 cooling section (277273)	KKF 30 042-filter-section (93311)
KKH-HW 042 heater-section (93339)	KKS 042 silencer-section (276851)

Documents

imo_mub_all_010_en_248056
UKCA DECLARATION OF CONFORMITY_MUB_EN_002.PDF
COMMISSIONING REPORT_FANS_160628_EN_001.PDF