

MUB 042 400DV sileo Multibox

Item Number: 37888

Variant: 400V 3~ 50Hz - 90° air flow



Speed-controllable

Modular system

Integral thermal contacts

Low sound level

Flexible airflow direction due to removable panels

Installation in any mounting position

Maintenance-free and reliable

The MUB fans size 400 have 3D profiled impellers with backward curved blades, manufactured from polyamide. The MUB 400 is equipped with external rotor motors, fully speed controllable. For speed controlling with a frequency converter a type with all pole sine filter is needed!. The three phase motors are D/Y connected for two speed operation. Motor protection is done by thermal contacts, which have to be connected to an external motor protection device. The casing consists of a corrosion-resistant aluminium frame with fibreglass reinforced plastic corners of PA6; highly shockresistant. The double skin panels are manufactured from galvanised steel with 20 mm mineral wool insulation. To avoid condensation the profile is provided with a separate chamber to fix screws. The Multibox fans are delivered for straight through airflow but can easily be rebuilt due to removable panels. This allows flexible ventilation solutions. The MUB can also be used as extract- or supply air unit in air handling units. Installation in any mounting position is possible.

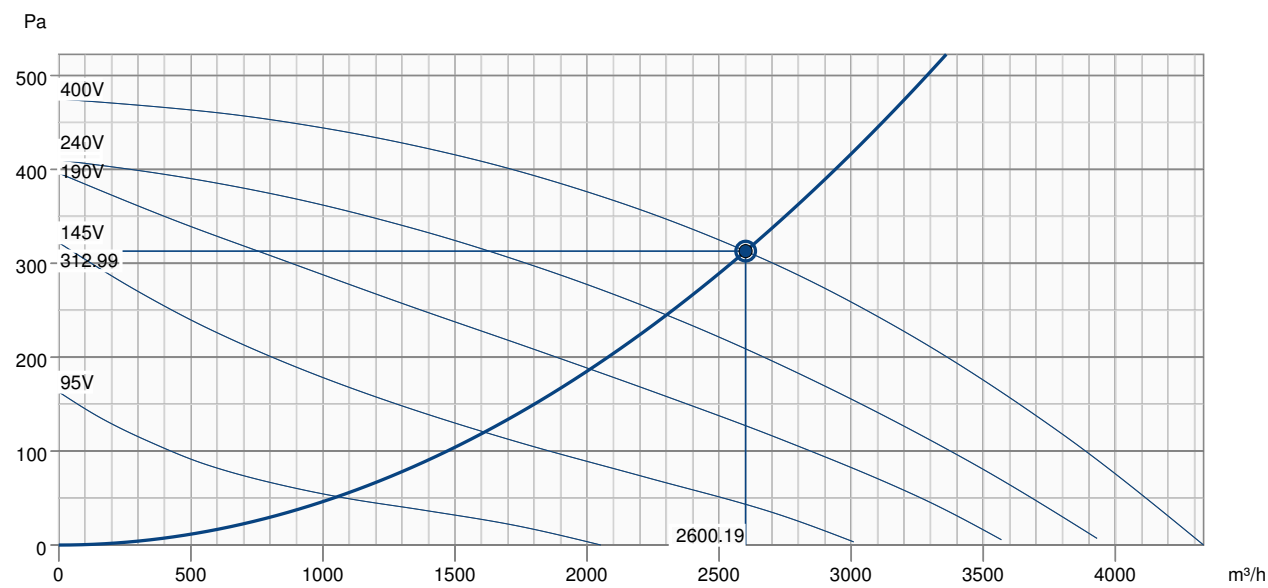
MUB with additional modules (filters, heaters etc.) are available as air handling units "K025, K042 or K062" on request!



Technical parameters

Nominal data		
Voltage (nominal)	400	V
Frequency	50	Hz
Phase(s)	3~	
Motor circuit connection	D; Y	
Input power	513	W
Input current	1.22	A
Impeller speed	1,407	r.p.m.
Air flow	max 4,334	m³/h
Temperature of transported air	max 60	°C
Maximum temperature of transported air, when speed controlled	60	°C
Sound data		
Sound pressure level at 3m (20m² Sabin)	58	dB(A)
Protection/Classification		
Enclosure class, motor	IP54	
Insulation class	F	
Data according to ErP		
ErP ready	ErP 2016; ErP 2018	
Dimensions and weights		
Weight	51.5	kg
Others		
Motor type	AC	

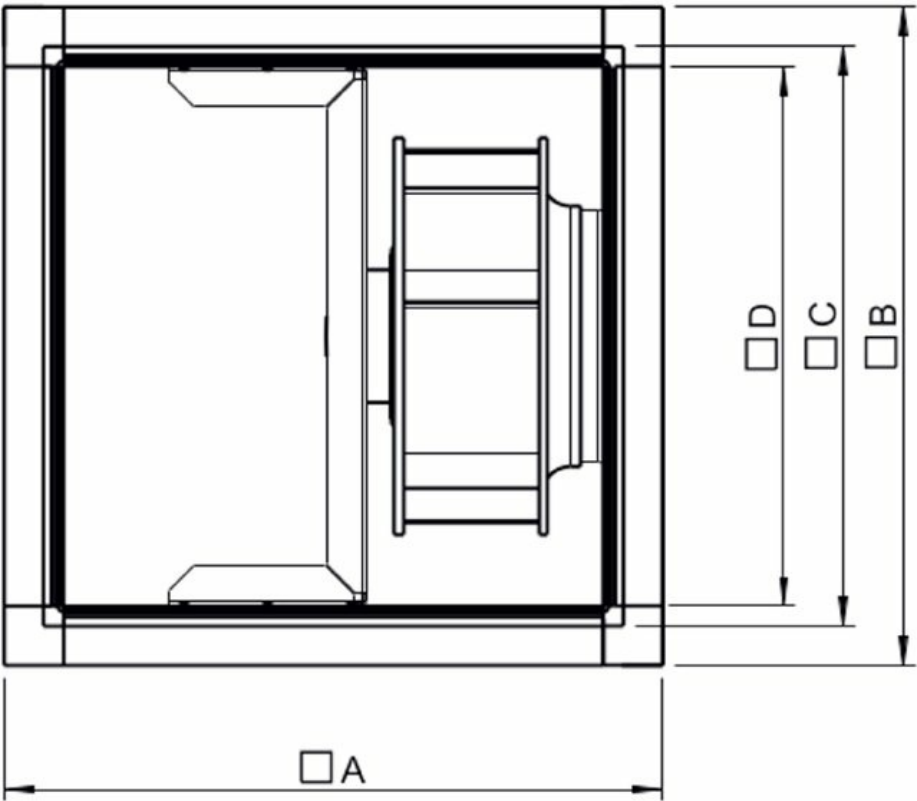
Performance curve



Hydraulic data	
Required air flow	2600 m³/h
Required static pressure	313 Pa
Working air flow	2600 m³/h
Working static pressure	313 Pa
Air density	1.204 kg/m³
Power	513.0 W
Fan control - RPM	1407 rpm
Current	1.22 A
SFP	0.710 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)	41	59	58	64	68	66	59	54	72
Outlet	dB(A)	42	61	59	65	69	67	61	55	73
Surrounding	dB(A)	24	46	49	48	53	51	43	35	57

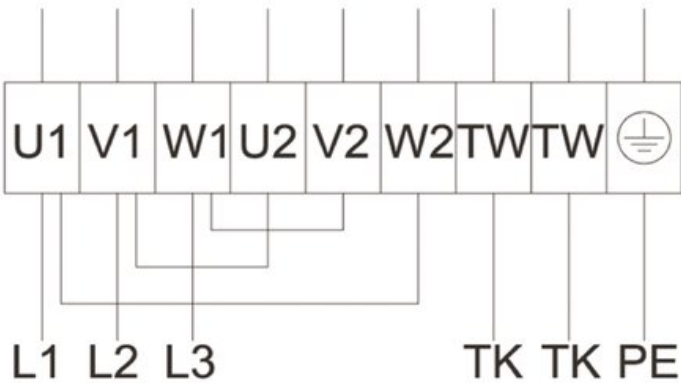
Dimension



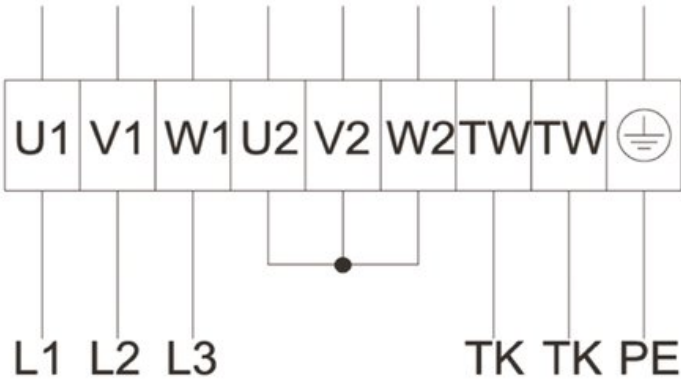
	□A	□B	□C	□D
MUB 042 400	670	670	590	548

Wiring

Delta connection



Star connection



Product			
Trade name	Systemair		
Product name	MUB 042 400DV sileo Multibox		
Ecodesign			
ErP compliance	2018		
Unit category	NRVU		
Drive	External MSD or VSD		
Unit type	UVU		
Heat recovery type	None		
Temperature ratio (UVU)	Not applicable		
qv nom	0.722	m³/s	
P nom	0.513	kW	
Ps nom	313	Pa	
Fan efficiency	44	%	
External Leakage	5	%	
Sound power level LWA	73	dB(A)	

Accessories

- CCM inlet MUB042 d400 (311780)
- CCM inlet MUB042 d500 (311781)
- CCM outlet MUB042 d400 (311682)
- CCM outlet MUB042 d500 (311683)
- CCMI outlet 042 d400 insul KIT (313845)
- CCMI outlet 042 d500 insul KIT (313846)
- FGV 042/586-586 flex. conn. (4605)
- FRQ5S-4A+LED V2 (36233)
- FRQS-4A V2 (36231)
- REV-5POL/07 ON/OFF (33980)
- REV-9POL/12 ON/OFF (33981)
- RTRD 2 Speed Cont. Systemair (5941)
- RTRDU 2 Speed contr. Systemair (5945)
- S-DT2SKT Two speed switch Y/D (2697)
- SD-MUB Vibration pad set (37324)
- SDM Service Door MUB 042 comp. (32572)
- STDT 16 Motor Protection (5152)
- TUNE-AHU-DE007-042-588x588-M0 (79881)
- UGS 042/500 adapter flex. (4357)
- WSD 042 (730x730x70) complete (31481)
- WSG 042 MUB complete (31485)

Documents

- MANUAL_MUB_ALL_EN_[008]-MIN.PDF
- EU DECLARATION OF CONFORMITY_MUB_EN_[001].PDF
- COMMISSIONING REPORT_FANS_160628_EN_001.PDF