

CMP/ATEX-616-4T/2G EX EB



Medium pressure centrifugal fans fitted with forward curved impeller, ATEX 2G or 2D certification and Ex db, Ex eb or Ex tb motor

Medium pressure, single inlet, centrifugal fans with sheet steel casing and impeller. ATEX 2G or 2D certification with flameproof ExII2G Ex db, increased safety ExII2G Ex eb or dust ignition proof ExII2D Ex tb motor to work in explosive gas or dust atmospheres.



Fan:

- Sheet steel casing.
- Forward curved impeller in galvanised sheet steel.
- Non-sparking inlet ring made of copper.
- Maximum temperature of air to be carried: -25 °C +80 °C.
- Standard marking with flameproof motor (Ex db): II 2G Ex h IIB T4 Gb.
- Standard marking with increased security engine (Ex eb): II 2G Ex h IIB T3 Gb.
- Standard marking with motor for dust ignition proof (Ex tb): II 2D Ex h IIC T135 °C Db.

Motor:

- Class F motors with ball bearings, IP55 protection. ATEX certification flameproof Ex db, increased safety Ex eb or dust ignition proof Ex tb.
- Three-phase 230/400 V 50 Hz (up to 4 kW) and 400/690 V 50 Hz (powers greater than 4 kW).
- Working temperature: -20 °C +40 °C.

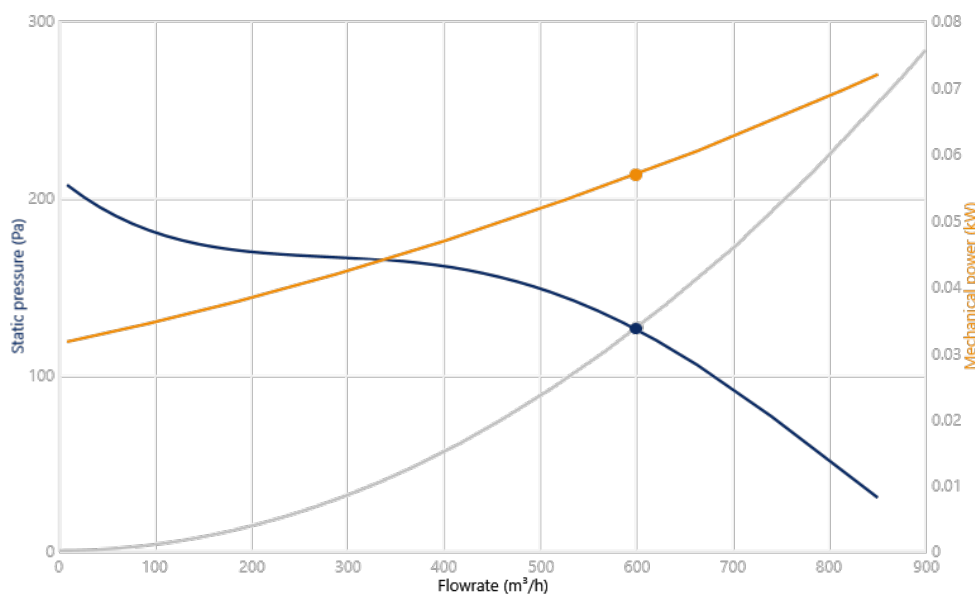
Finish:

- Anti-corrosive with ATEX paint, free of iron components, in polyester resin polymerized at 190 °C, after degreasing with phosphate-free nanotechnological treatment.

On request:

- Motors with built-in PTC.
- Special windings for different voltages and frequencies.
- ATEX construction for flammable dust.
- ATEX fan with greater protection than the standard marking.
- Stainless steel construction.

CHARACTERISTIC CURVE AND ACOUSTICS AT 1.2KG/M³

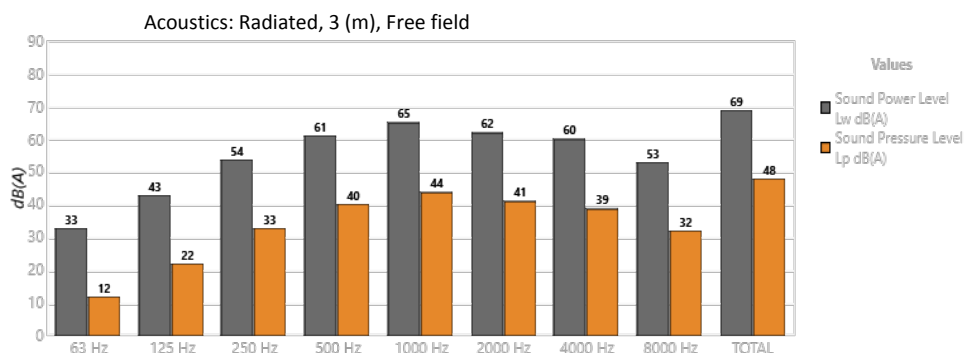


Design Point

Q (m³/h)	601.1
Ps (Pa)	126.3

Service Point (SP)

Q (m³/h)	598.6
Ps (Pa)	125.2
Pd (Pa)	98.14
Pt (Pa)	223.4
Impeller (rpm)	1320
Max. Temp. (°C)	120
Outlet air speed (m/s)	12.79
Mechanical efficiency (Pt) (%)	65.46
SFP (kW/m³/s)	0.5018
Mechanical power (kW)	0.0567



Band	Lw dB(A)	Lp dB(A)
63 Hz	33	12
125 Hz	43	22
250 Hz	54	33
500 Hz	61	40
1000 Hz	65	44
2000 Hz	62	41
4000 Hz	60	39
8000 Hz	53	32
TOTAL	69	48

TECHNICAL CHARACTERISTICS

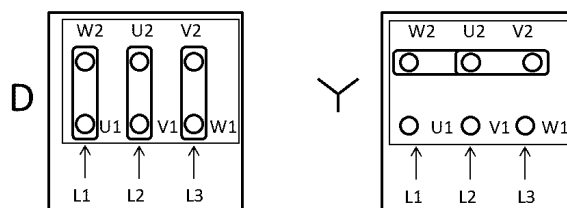
Airflow maximum (m ³ /h)	850
Speed (rpm)	1320
Maximum static pressure (Pa)	207.1
Maximum total pressure (Pa)	227.9

ERP

Remarks	ErP: Exclude. ATEX
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MOTOR DATA

Rated Mechanical Power (kW)	0.18
Hz/phases	50/3
Motor (rpm)	1393
Poles	4P
Max. current (A) 380-415 V Y	0.56
Max. current (A) 220-240 V D	0.97
Motor protection	IP65
Motor frame size	63B



Data can change, please check motor plate

DIMENSIONS

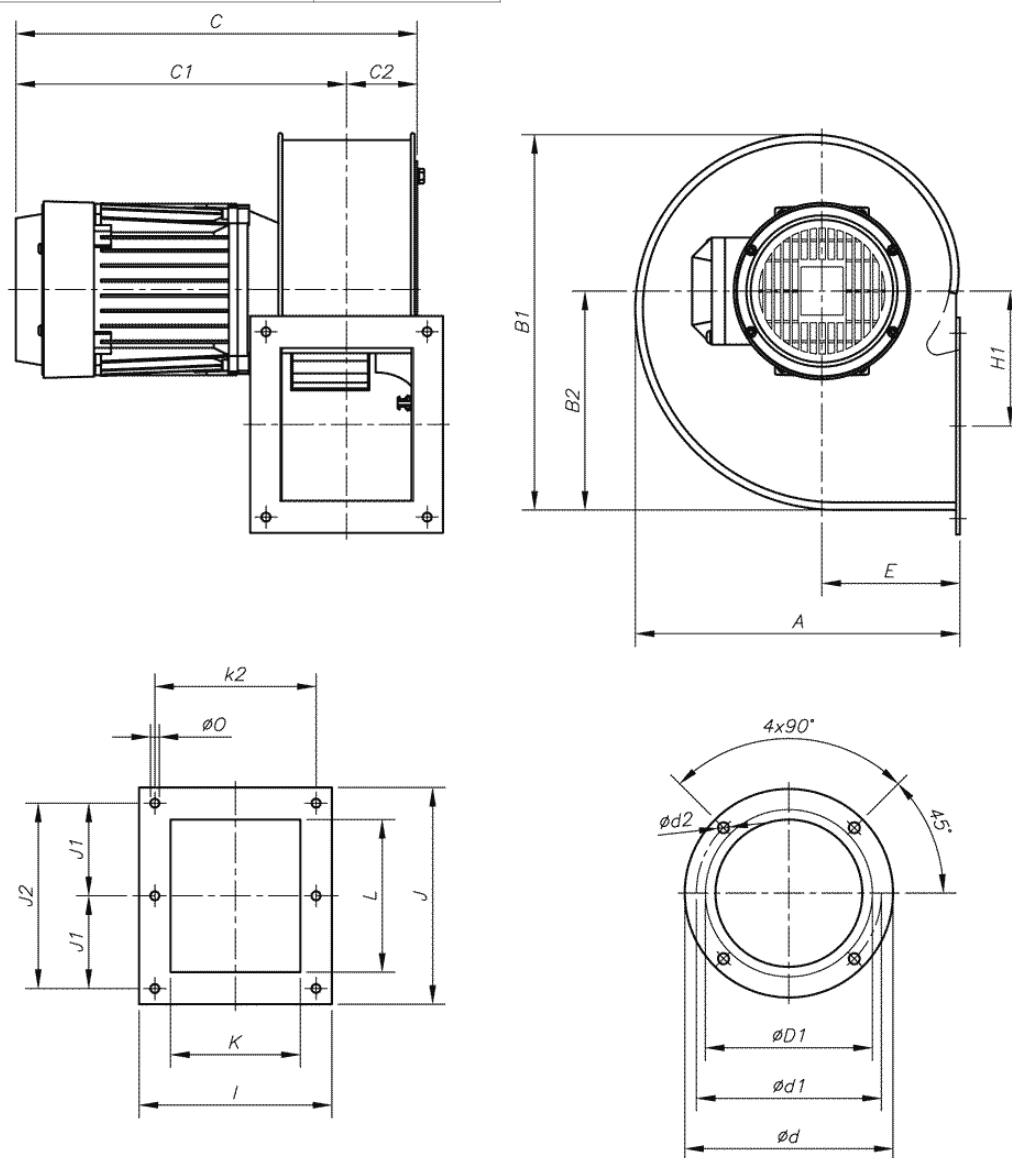
A	B1	B2	C	C1	C2	ØD1* [1]	Ød	Ød1	Ød2	E	H1	I	J
258	297	173.5	289	233	56	165	204	180	M6	110	105.5	153	172

J1	J2	K	k2	L	ØO
-	147	103	128	122	7

[1] Recommended nominal diameter for duct.

Dimensions without explicitly defined units are shown in millimeters (mm). Dimensions depending on the motor are approximate

Approx. weight (kg)	9
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AVAILABLE ACCESSORIES



INT-KG-
20/3CA



VSD3/A-RFT-
1



VSD1/A-RFM-
0.5



VSD3/A-RFT-
1-IP66



VSD1/A-RFM-
0.5-IP66



AET



RPA-20



B-160



BD-160



BIC-616



ACE-160



S



INT/ATEX
16/3CA

It must be checked that the accessory is suitable for the fan model