

**SINGLE INLET CENTRIFUGAL FANS WITH BACWARD CURVED IMPELLER
VENTILATOARE CENTRIFUGALE MONOASPIRANTE CU PALE INCLINATE INAPOI**

CONTINUOUS OPERATION AT 80°C (AIRSTREAM)

FUNCTIONARE CONTINUA LA 80°C (TEMP. AERULUI VEHICULAT)

ALC

Description

Single inlet centrifugal fans, direct-drive, with backward curved impeller. The shape of the blades prevents accumulation of contaminants and makes them suitable for conveying polluted air containing dust or/and oil mist, but not exceeding 200 mg/m³. The impeller is statically and dynamically balanced.

Construction

All fans are manufactured from steel sheet and are protected against corrosion by epoxy paint
Electrical motor: three phase 230/400V-50Hz.
Protection class IP54 (DIN 40050)
Insulation class "F" (VDE 0530)
Maximum working temperature: +80°C
Ambient temperature: -30°C ~ +60°C
The fans are NOT suitable for transportation of explosion-risk substances or corrosive gases.

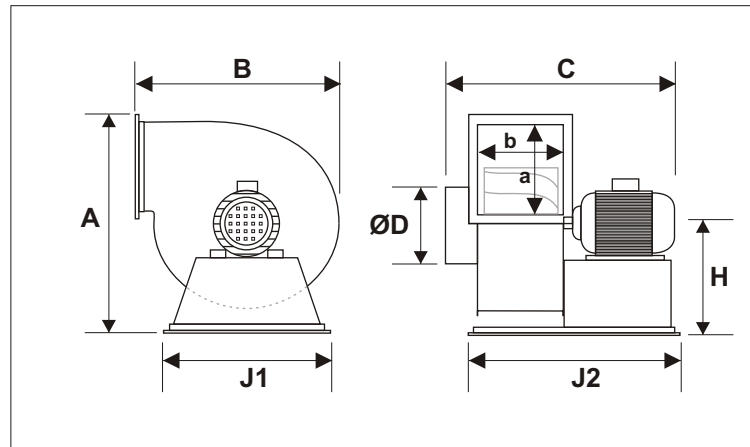
Descriere

Ventilatoare centrifugale monoaspirante cu pale inclinate inapoi, transmisie directa. Forma palelor previne acumularea de contaminanti; ventilatorul poate fi utilizat pentru aplicatii cu aer ce contine praf si/sau particule de ulei, dar nu mai mult de 200 mg/m³. Rotorul este echilibrat static si dinamic.

Construcție

Ventilatoarele sunt realizate din tabla de otel, ce este protejata anticoroziune cu vopsea epoxy.
Motor electric: trifazic 230/400V-50Hz.
Clasa de protectie IP54 (DIN40050)
Clasa de izolatie "F" (VDE 0530)
Temperatura maxima de lucru: +80°C
Temperatura mediului ambiant: -30°C ~ +60°C
Ventilatoarele NU sunt destinate utilizarii in mediu cu risc de explozie sau pentru substante corozive.

Overall and fixing dimensions / Dimensiuni de gabarit si montaj



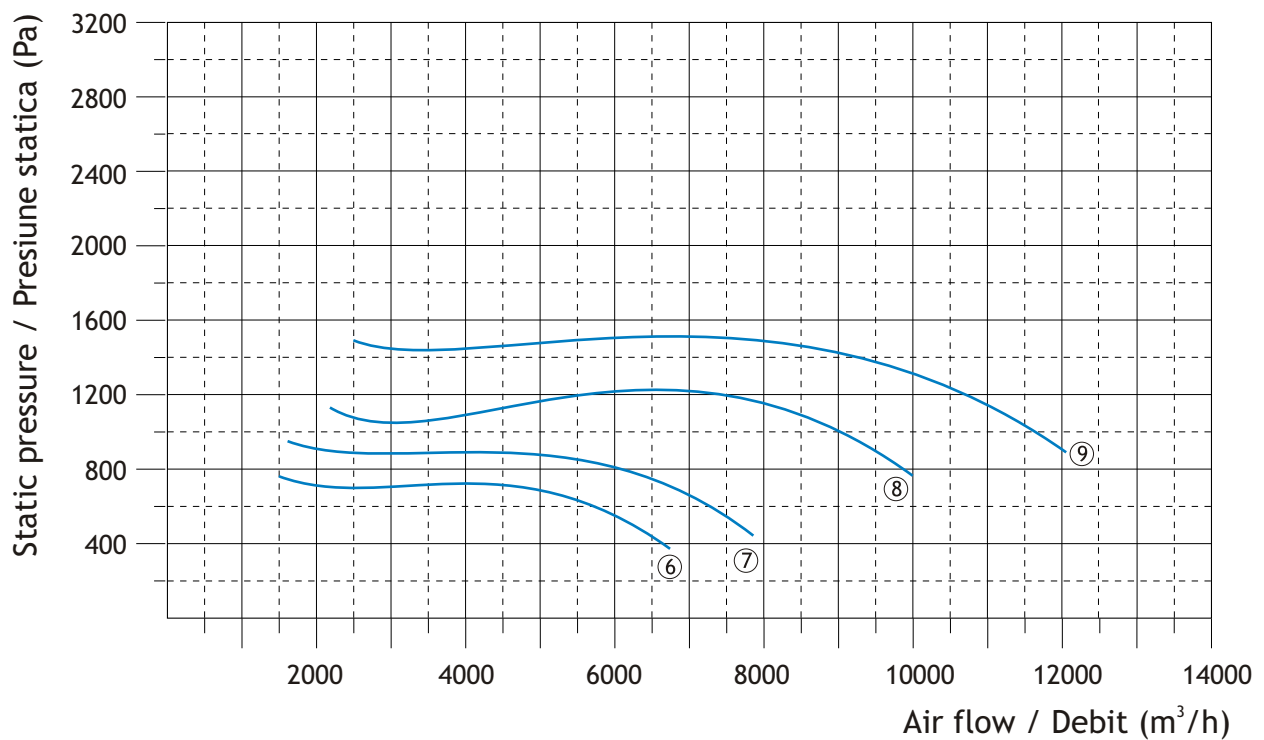
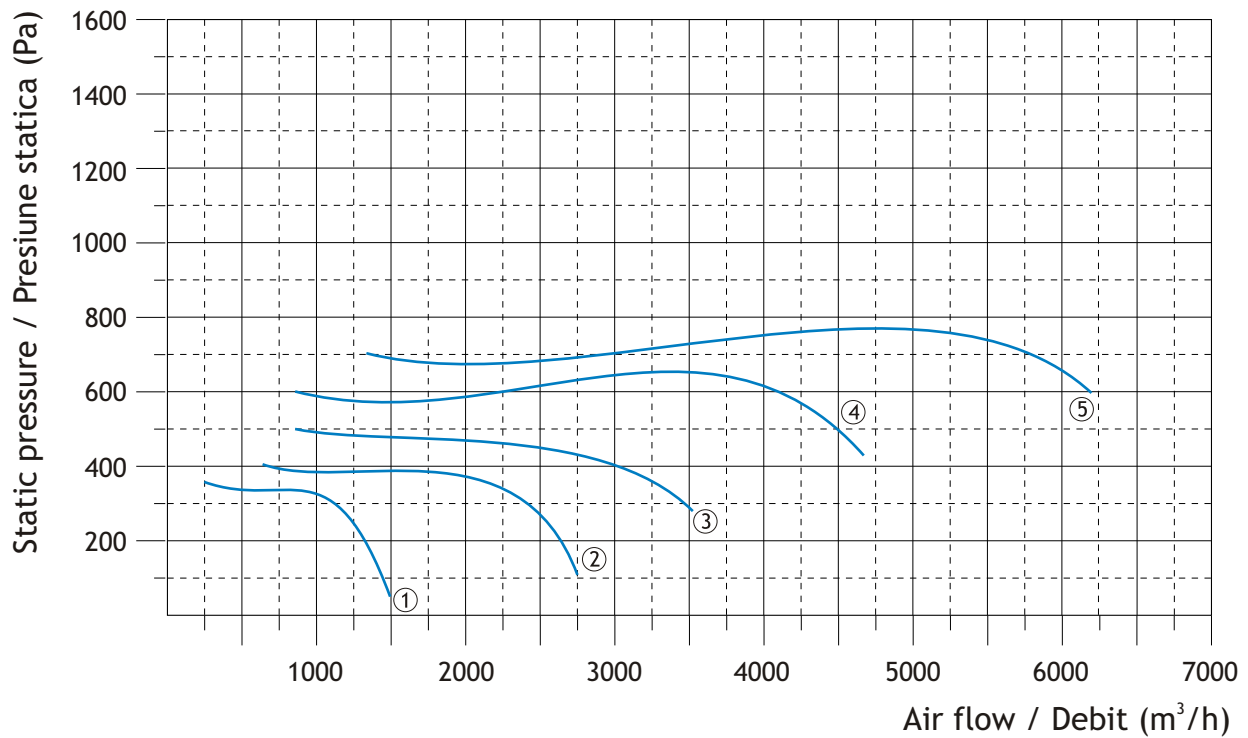
Tip/Type	A	B	C	ØD	H	J1	J2	a	b
ALC1	455	414	443	150	287	365	310	202	167
ALC2	520	505	495	200	340	415	360	262	187
ALC3	597	542	550	240	350	450	380	272	207
ALC4	628	595	590	260	370	505	430	292	227
ALC5	685	635	640	280	410	535	440	322	237
ALC6	685	635	660	300	410	555	440	322	257
ALC7	742	656	670	320	455	585	510	362	257
ALC8	828	785	770	330	500	690	640	442	289
ALC9	996	888	890	350	626	800	680	542	359

All the dimensions are in mm. Toate dimensiunile sunt in mm.

Technical specifications / Specificatii tehnice

Graph/Curba	Type / Tip	rpm (min ⁻¹)	P (kW)	C (A)	Weight / Masa (Kg)
1	ALC 1	1400	0,37	1,06	17,5
2	ALC 2	1400	0,75	1,93	23,5
3	ALC 3	1400	1,10	2,75	26,5
4	ALC 4	1400	1,50	3,52	36,5
5	ALC 5	1400	2,20	4,90	43,5
6	ALC 6	1400	3,00	6,44	55,5
7	ALC 7	1400	4,00	8,36	75,0
8	ALC 8	1400	5,50	11,20	92,0
9	ALC 9	1400	7,50	14,80	112,0

Performance curves / Grafic caracteristic



Air flow data is presented for dry air at 20°C and 760 mmHg.

Datele sunt prezentate pentru aer uscat la 20°C si 760 mmHg.

Acoustic characteristics / Caracteristici acustice

Sound power level spectrum in dB(A) corresponding to frequency band in Hz.

Nivelul de zgomot in dB(A) corespunzator frecventei in Hz.

Tip/Type	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
ALC1	52	65	72	73	78	78	75	71
ALC2	55	67	74	75	80	81	77	73
ALC3	56	69	75	76	81	82	78	75
ALC4	56	69	76	79	82	83	80	77
ALC5	59	72	78	79	84	85	81	78
ALC6	59	72	78	80	84	85	81	78
ALC7	62	75	81	82	87	88	84	81
ALC8	65	77	84	85	90	91	87	84
ALC9	67	78	86	87	92	93	89	86