AXC 800-9/22°-4 -E (5,50 kW) S V1

Artikel nr. C800AXC-E

Document type: **Productkaart**
Document date: **2016-12-12**
Generated by: **Systemair Online Catalogus**

Beschrijving

Axial fan Series AXC-E, suitable for operating temperatures of up to 55°C

- Air direction Form A (from motor to impeller), direct driven
- Aerofoil impeller with adjustable pitch angle for maximum efficiency
- aluminium hub and blades, Impeller balanced statically and dynamically in accordance with DIN ISO 1940-1, quality grade G6,3
- Long casing, pre-galvanized steel, suitable for outdoor installation in atmospheres with low pollution (rural areas), suitable for indoor installation also in unheated premises, with the possibility of condensation (i.e. warehouses).
- Spun flanges according Eurovent 1/2
- Terminal box inside of the casing, mounted on top of the motor
- access door for easy wiring
- three-phase motors IE2 efficiency, IP55, insulation class F, in accordance with EN 60034-5/IEC 85

The Systemair AXC-E range of long cased medium pressure axial fans is available in sizes from 315 up to 1.000 mm nominal diameter. The adjustable pitch angle setting offers a wide performance and maximum flexibility to match precisely individual airflow requirements. The AXC-E axial fans have been performance tested in accordance with DIN ISO 5801, DIN 24163 and AMCA 210-99 on the Systemair fan test rig. The motors are equipped with PTC thermistors for optimum motor protection. The motor is speed controllable by frequency converter.

Please note: Speed controll by voltage, i.e. voltage transformers, is not possible!

In accordance with Commission Regulation (EC) no 640/2009 of the European Parliament - eco-design requirements for electric motors - the new international efficiency classes are binding as of 16 June 2011. These guidelines defined by CEMEP and EPACT are regarded as international standard for energy-saving high-efficiency motors for frequencies of 50 or 60 Hz and make the use of IE2 motors mandatory.
With this new and more efficient technology we offer our customers many advantages such as environmentally friendly operation, reduced energy consumption and hence lower emissions. IE2 motors have a higher efficiency even in part load operation and allow optimum adjustment to the operating point. In addition, the IE2 motors generate less noise and develop less heat, which has a positive influence on the efficiency and the cooling requirement of the motor. Please note: IE2 motors cannot be speed controlled by voltage, i.e. voltage transformers.

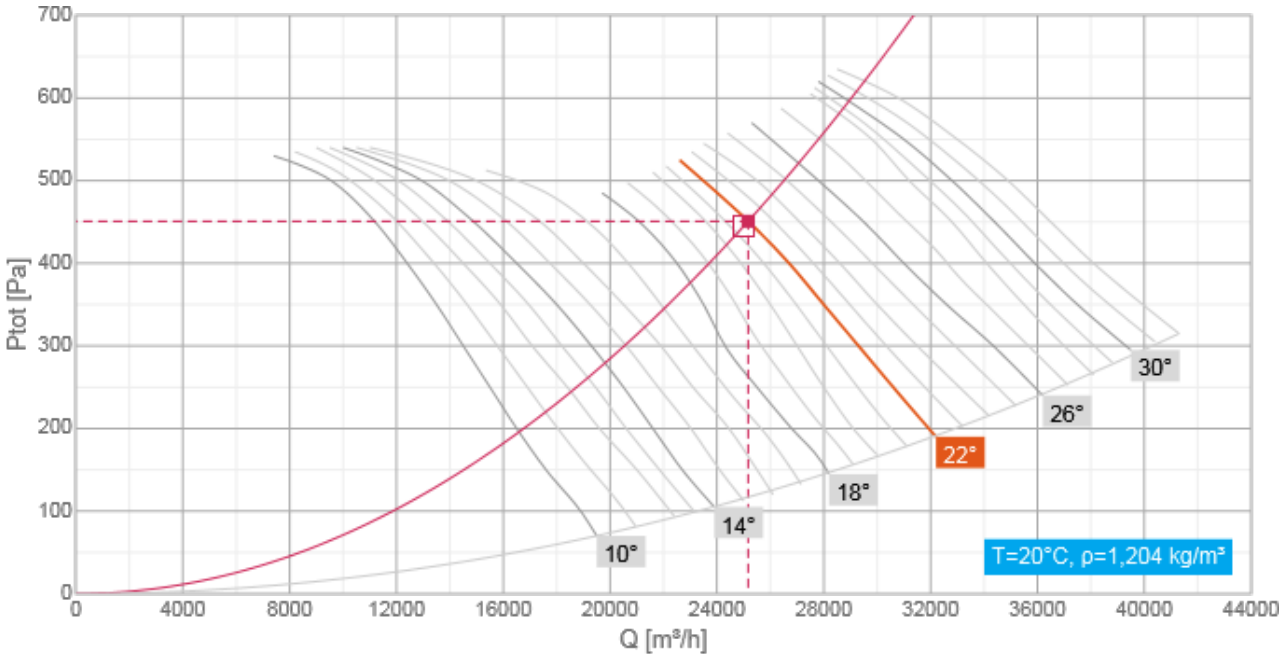
Accessoires

Toebehoren

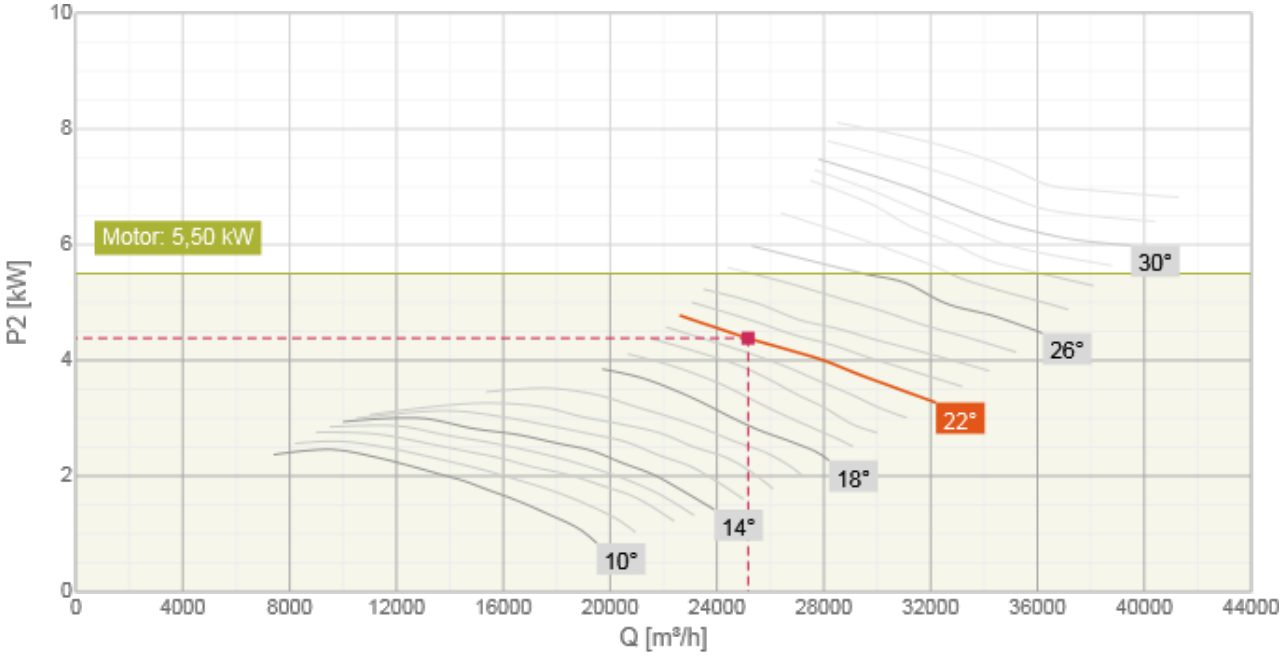
LRK 800(F) (8324)
RSA 800/800/100 (F) (311372)
RSA 800/1200/100 (F) (311373)
RSA 800/1600/100 (F) (311374)
SG AXC/AM/AR 800 Beschermr. (310693)
ESD-F 800 (305264)
GFL-AR/AXC 800 (8384)
SD 710-1000 (8342)
EV-AR/AXC 800 (8360)

Configurator

Druk diagram



Vermogen diagram



Technische gegevens

	Gewenst werkpunt			Werkpunt (T=20°C, ρ=1.204 kg/m³)								
	Q [m³/h]	Ps [Pa]	ρ [kg/m3]	Q [m³/h]	Ps [Pa]	Pdyn [Pa]	Ptot [Pa]	V [m/s]	η [%]	P2 [kW]	P2 max [kW]	Hoek [°]
Selectie	25000	330	1,204	25169	335	116	451	13,9	71,9	4,38	4,78	22

	Technische gegevens											
	Schoepen	V [V/Hz]	P2 nominaal [kW]	Pol	n [t.p.m.]	In [A]	Ia/In	Frame	Motor	IP	Beschermingsklasse	Ventilator gewicht [kg]
Selectie	9	400/50	5,5	4	1460	11,1	7,5	132S	IE3	55	F	133

**Het gewicht van de ventilator kan varieren afhankelijk van de gebruikte motor*

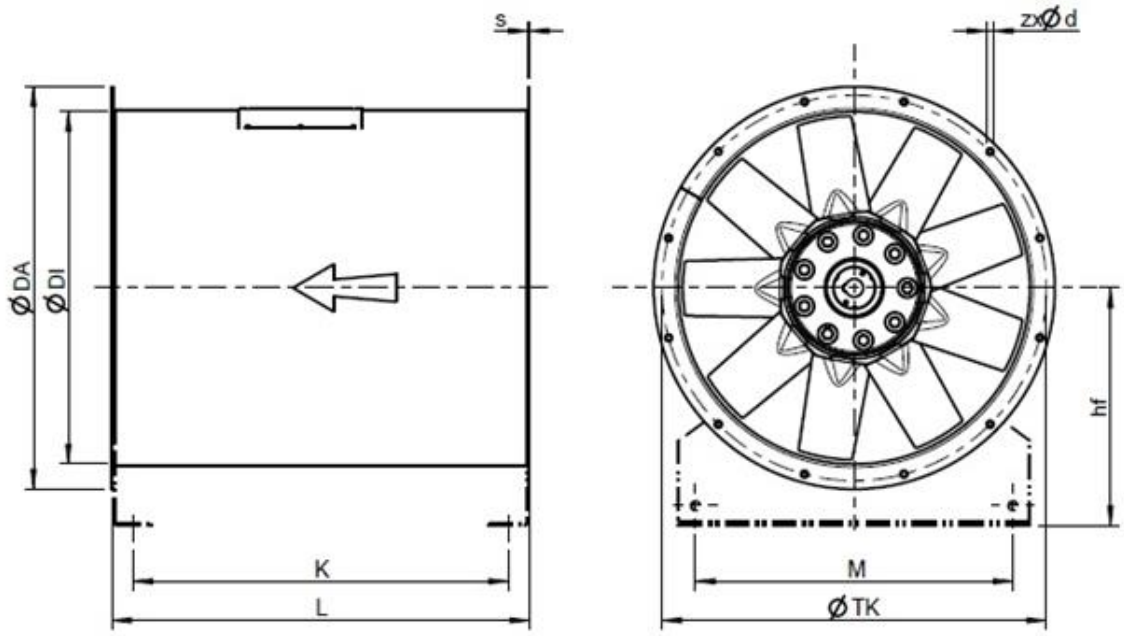
Geluidsgegevens

Geluidsvermogen niveau		63	125	250	500	1k	2k	4k	8k	Tot
Geluidsvermogen Lw6	dB(A)	69	79	88	92	93	90	85	78	97
Geluidsvermogen Lw4	dB(A)	70	80	89	93	94	91	87	79	99
Geluidsdruk Lp	dB(A)	52	62	70	75	75	72	68	61	80

Lw6: free-outlet conditions, Lw4: in-duct conditions, Lp: free field conditions | Geluidsdrukniveau (Lp) op afstand: 3 m

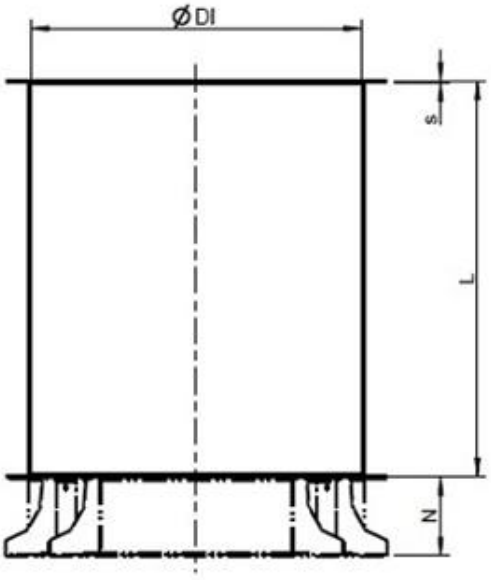
Afmetingen

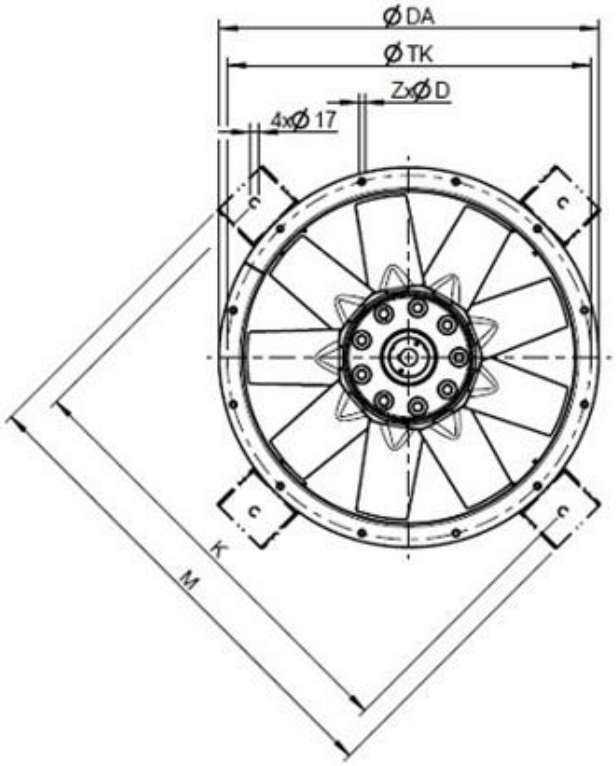
Air direction: S



ØDA	ØDI	ØTK	s	zxØd	M	hf	Motor	K	L
890	800	860	3,0	16x 12	730	530	132-160	614	700

Air direction: SO/SU (vertical). (SO = air direction upwards; SU = air direction downwards)
Please add this information with the order.





ØDA	ØDI	ØTK	ZxØD	s	K	M	N	Motor	L
890	800	860	16x 12	3,0	998	1078	150	90-112	500
								132-160	700