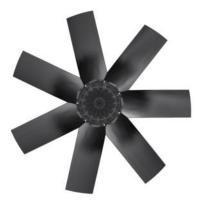


Movement by Perfection



The Royal League in ventilation, control and drive technology



Product documentation

Type FC091-SDS.7Q.V7

Article number 209589

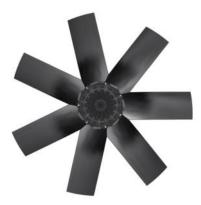


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Product documentation

Type FC091-SDS.7Q.V7

Article number 209589



Contents

1.	Product specification - Technical data	3
2.	Characteristic Curve	4
3.	Drawing	5
4.	Connection diagram	6



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1. Product specification - Technical data

1. I roddol opoollioation		
Article number	209589	
Туре	FC091-SDS.7Q.V7	
Designation	Axial fan with diecast blades	
Rated values	3~400V ±10% D/Y 50Hz P1 3.60/2.50kW 7.2/4.3A Δ I=5% 890/700/min COSY 0,72 60 test)°C
Electrical connection	Terminal box K07	
ErP Data	Measurement category ErP: A Air flow q _v on Eta opt: 25531 m3/h Pressure increase p _{fs} on Eta opt: 193 Pa Input power P ₁ on Eta opt: 3600 W Efficiency q _{stat} A: 38.3 % Efficiency grade: N _{actual} = 41.2 / N _{target} = 40* *ErP 2015	
Type of protection	IP54	
Thermal class	THCL155	
Mounting type terminal box	Mounted on Stator	
Connection diagram	1360-108XA	
Rating plate	1x fixed	
Fitting position	H/Vu/Vo	
Motor protection	thermal contact	
Impregnation	Moisture and hot climate protection	
Condensation	Condensation water holes in stator/rotor ope	n
Quality of bearings	ball bearing with long-time lubrication	
Material Rotor	Aluminium	
Painting rotor	Rotor 1 coat paint resistance class 1 (L-TI-05	596)
colour rotor	RAL 9005 (jet black)	
painting stator	Stator 1 coat paint resistance class 1 (L-TI-0	596)
colour stator	RAL 9005 (jet black)	
Material blades	Aluminium	
Painting impeller	Impeller 1 coat paint resistance class 1 (L-TI-0596)	
Colour blades	RAL 9005 (jet black)	
Painting mot.suspens	Motor suspension 1 coat paint resistance cla	ss 1 (L-TI-0596)
colour suspension	RAL 9005 (jet black)	
Weight	53.05	kg
*** Operation mode:		

*** Operation mode: Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02. Occasional starting between -40 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.
Permissible minimum and maximum ambient temperature for operation: Please refer to the technical documentation of the product for the minimum and maximum ambient temperature valid for the respective fan. Operation below -25 °C as well as partial load operation for refrigeration applications is only possible with special bearings for refrigeration applications are installed in the fan, please observe the permissible maximum temperatures in the technical documentation of the product.

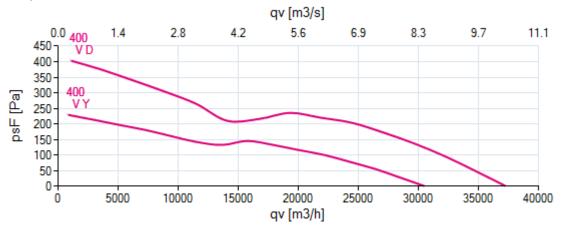


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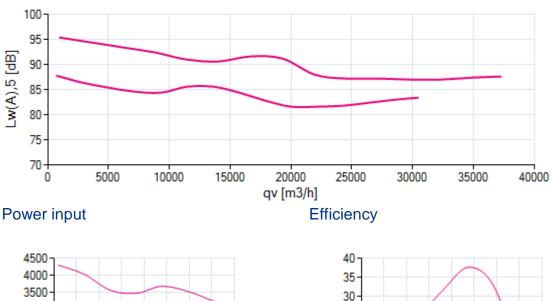
2. Characteristic Curve

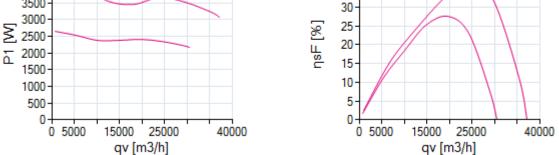
FC091-SDS.7Q.V7	Measured in full nozzle without guard grille in air flow direction V in installation type A according to ISO5801
3~ 400V 50Hz D	Densidades de medida 1,16 kg/m ³

Air performance



Acoustics





Please note: It's not allowed to use this fan in the stall area!*

*In doubt please ask your responsible ZIEHL-ABEGG sales contact.

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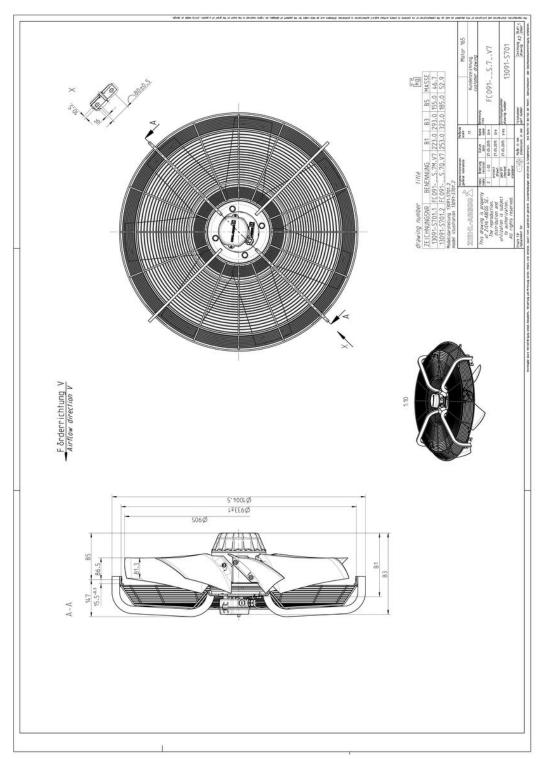
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3. Drawing



Dimensions in mm The illustrations shown make no claim to completeness and are for orientation purposes only.

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4. Connection diagram

wiring diagram: 1360-108XA

 $3\sim$ motor, 2 speeds (Δ /Y switch over) with thermostatic switch (if built in). Without bridge when using speed change-overswitch.

ΒN brown ΒU blue ΒK black RD red GY

grey OG orange

WΗ white

GNYE green-yellow

High speed/D-connection

Low speed/Y-connection

3~ Motor mit 2 Drehzahlen (Δ /Y-Umschaltung) und Thermostatschalter (falls eingebaut). Ohne Brücke bei Verwendung von Drehzahlumschalter. $3\sim$ motor, 2 speeds (Δ /Y switch over) with thermostatic switch (if built in). Without bridge when using speed change-over switch. Hohe Drehzahl / Δ -Schaltung 108XA-05 High speed / Δ -connection MΗ 00 RD MM č GNGY m grün-gelb, green-yellow Щ à schwarz, black W2 U2 <2 മ m 5 5 \geq grey blau, blue grau, g L3 PE L1 L2 ı ш GNY GNY Niedere Drehzahl / Y-Schaltung Low speed / Y-connection ٨H MM 00 BN RD BU GNGY Ъ μ orange, orange braun, brown rot, red weiß, white W2 ζ2

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L1

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L2

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ZIEHL-ABEGG system capabilities: Everything from a single source – perfectly matched for optimal performance

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