

Duty Point Overview



Typ: ZN050-ZIQ.DC.V7P2

Article number: 178935

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This document does not replace the technical product specification. It is intended solely as non-binding guidance regarding the information shown in the table of contents, in particular duty point data, characteristic curves and drawings. It is recommended that the technical product specification be agreed or accepted separately after this document.

1. Technical Data

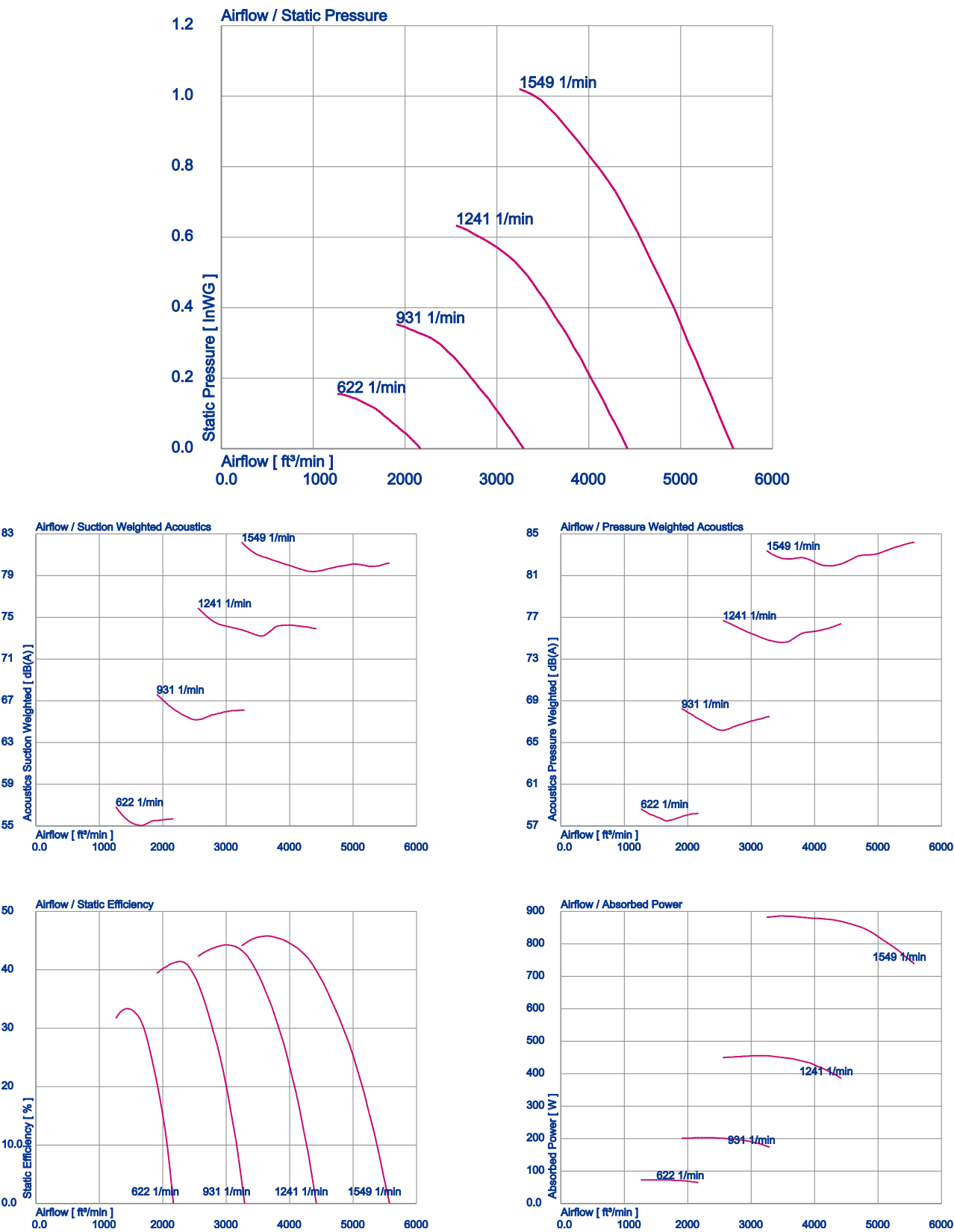
Article number	178935
Type key	ZN050-ZIQ.DC.V7P2
Designation	ZAplus axial fan with sickle blades
Fan design	and with rectangular wall ring plate.
Rated values	3~380-480V 50/60Hz P ₁ 900W 1.55-1.25A 1550 min ⁻¹ 70°C
Electrical connection	Integrated controller
Conformity	ErP 2015, ErP2026-Status: Compliant (complete fan)
ErP Data	Measurement category ErP: A Air flow q _v on Eta opt: 5992 m3/h Pressure increase p _{fs} on Eta opt: 272 Pa Input power P _{ed} on Eta opt: 900 W Efficiency H _{statA} : 56.3 % Efficiency grade: N _{actual} = 62.9 / N _{target} = 40* *ErP 2015
Thermal class	THCL155
Efficiency class	IE5
IO-function	BASIC-MODBUS
Type PFC integrated	no PFC
Painting motor	Fan unpainted
Material rotor	Aluminium
Painting rotor	Rotor 1 coat paint
Colour rotor	RAL 5002 (ultramarine blue)
Material blades/impeller	High Performance Composite Material
Painting impeller	Blades unpainted
Colour impeller	black
Painting inlet nozzle	Bell mouth unpainted
Colour inlet nozzle	black
Coating sheet-metal	Safety guard powder-coated with safety guard
Connection diagram	Connection diagram: AP00001C
Fitting position	H/Vu/Vo
Motor protection	integrated active temperature management
Type of protection	IP55
Impregnation	Moisture and hot climate protection
Quality of bearings	ball bearing with long-time lubrication
Labelling UL/CSA	E213826 ZC-155, MK116-0009
Colour motor	Fan unpainted.
Rating plate	2x fixed
Condens. drain holes	Condensation drain hole rotor open
Guard grille type	ring grill
Client's loose parts	Connecting elements in the accessories bag supplied loosely.
Number of blades	7
Blade setting	P
Special loose parts	Connecting elements in the accessories bag supplied loosely.
Weight	14.70 kg
Min. operating temperature	-35°C***

*** Operation mode:

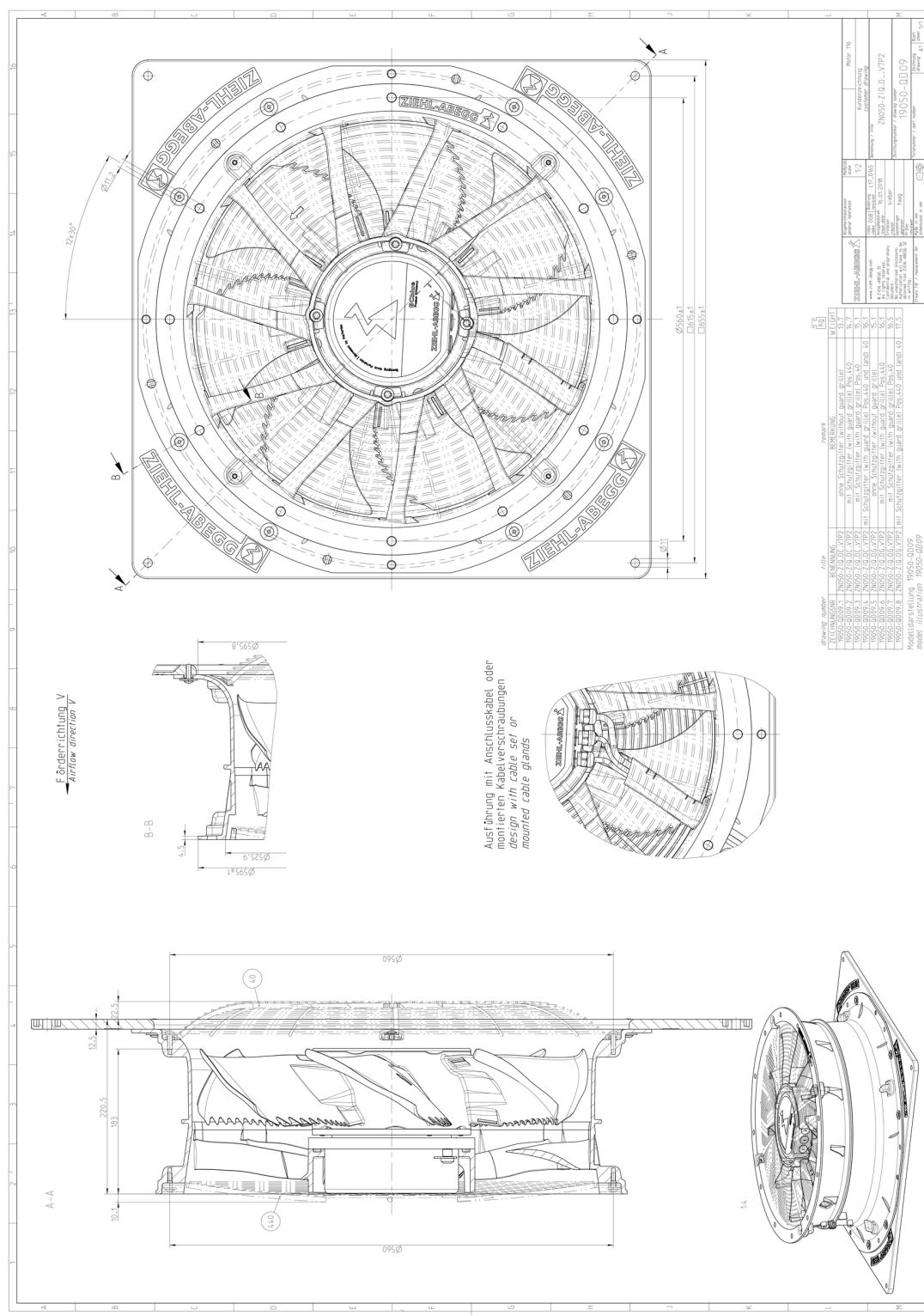
Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02. Occasional starting between -35 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

3. Characteristic Curve

Measured in ZApplus with pressure side guard grille in air flow direction V in installation type A according to ISO5801 1.16 kg/m³



4. Drawing

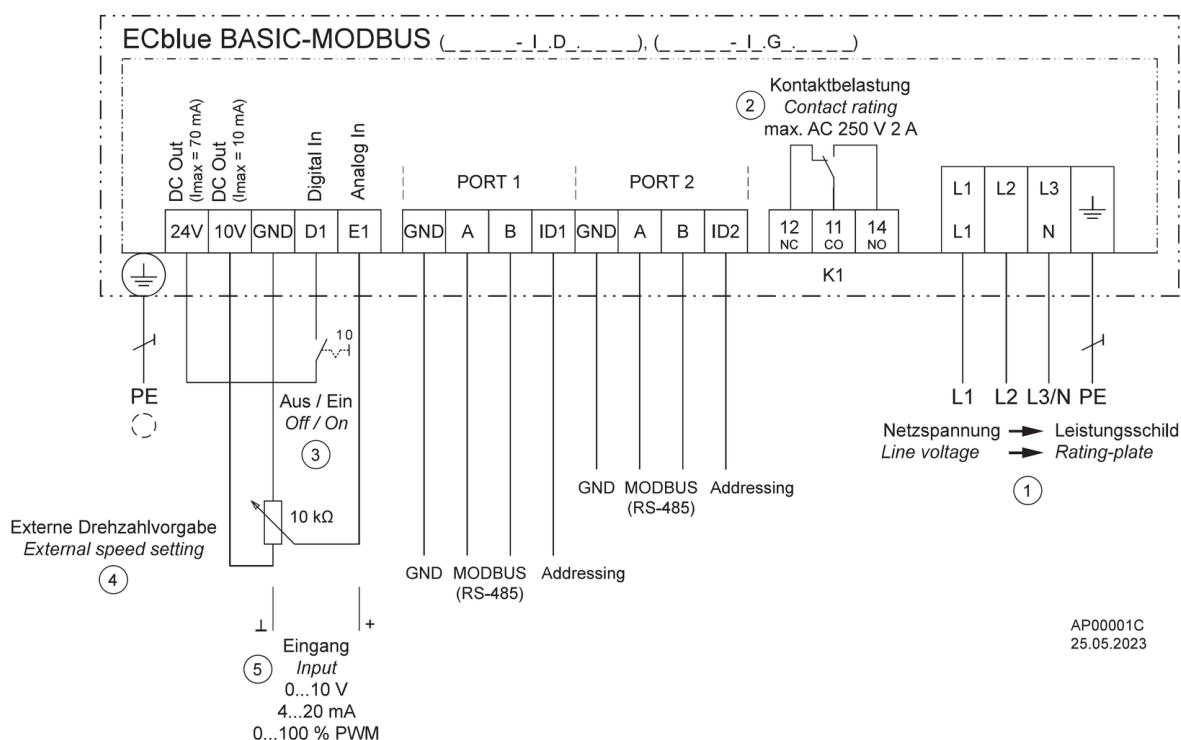


Dimensions in mm The illustrations shown make no claim to completeness and are for orientation purposes only.

5. Connection Diagram

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178935



AP00001C
25.05.2023

www.ziehl-abegg.com	Index <i>index</i>	003	Änderung <i>revision</i>	Änderung	Benennung / title	Anschlussplan connection diagram
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	Ersteller <i>creator</i>		langm		Zeichnungsnummer / drawing number	AP00001C
						