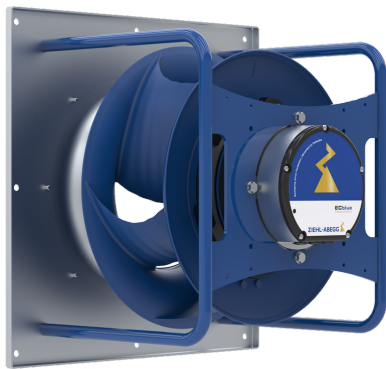


Duty Point Overview



Typ: GR31I-ZID.DC.CR
Article number: 116890/A01

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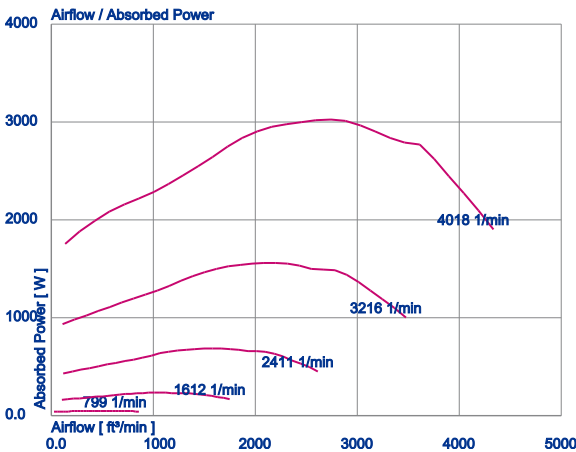
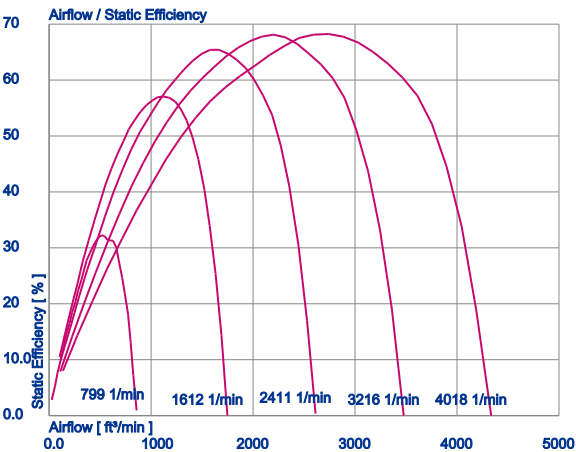
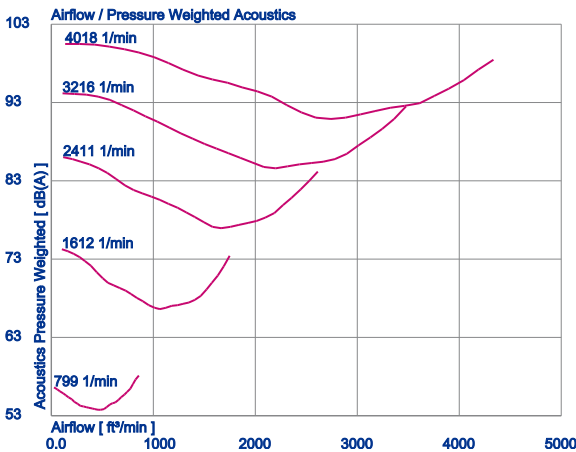
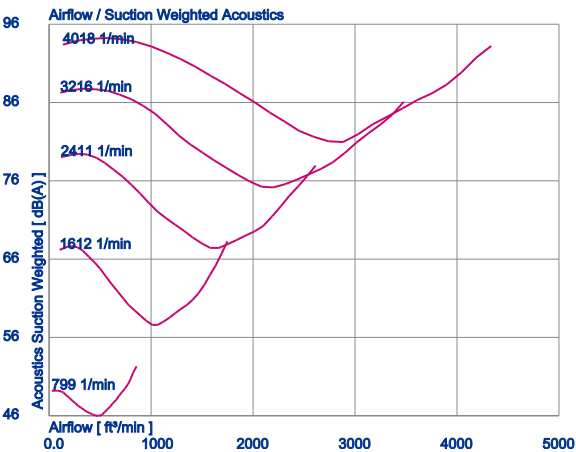
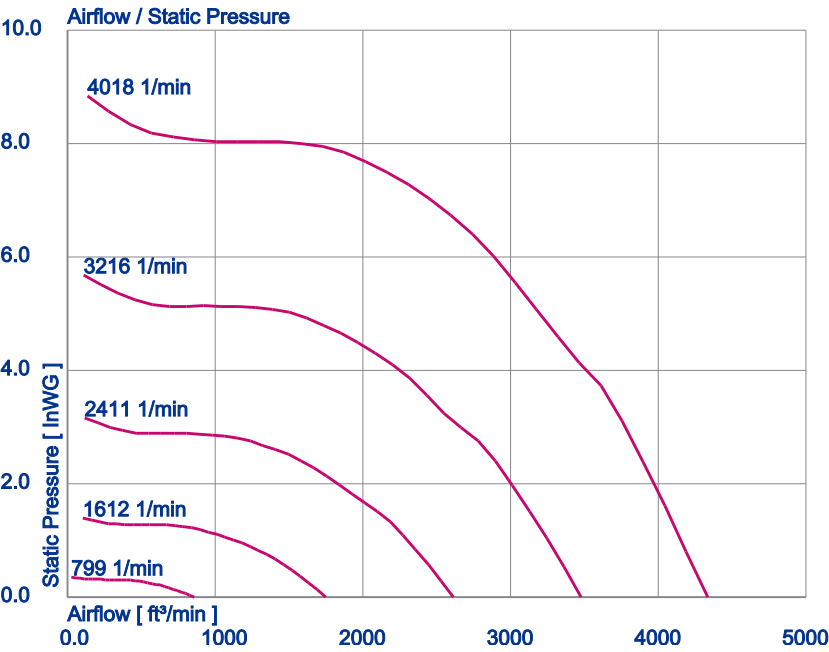
This document does not replace the technical product specification. It is intended solely as non-binding guidance regarding the information shown in the table of contents, in particular duty point data, characteristic curves and drawings. It is recommended that the technical product specification be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

1. Technical Data

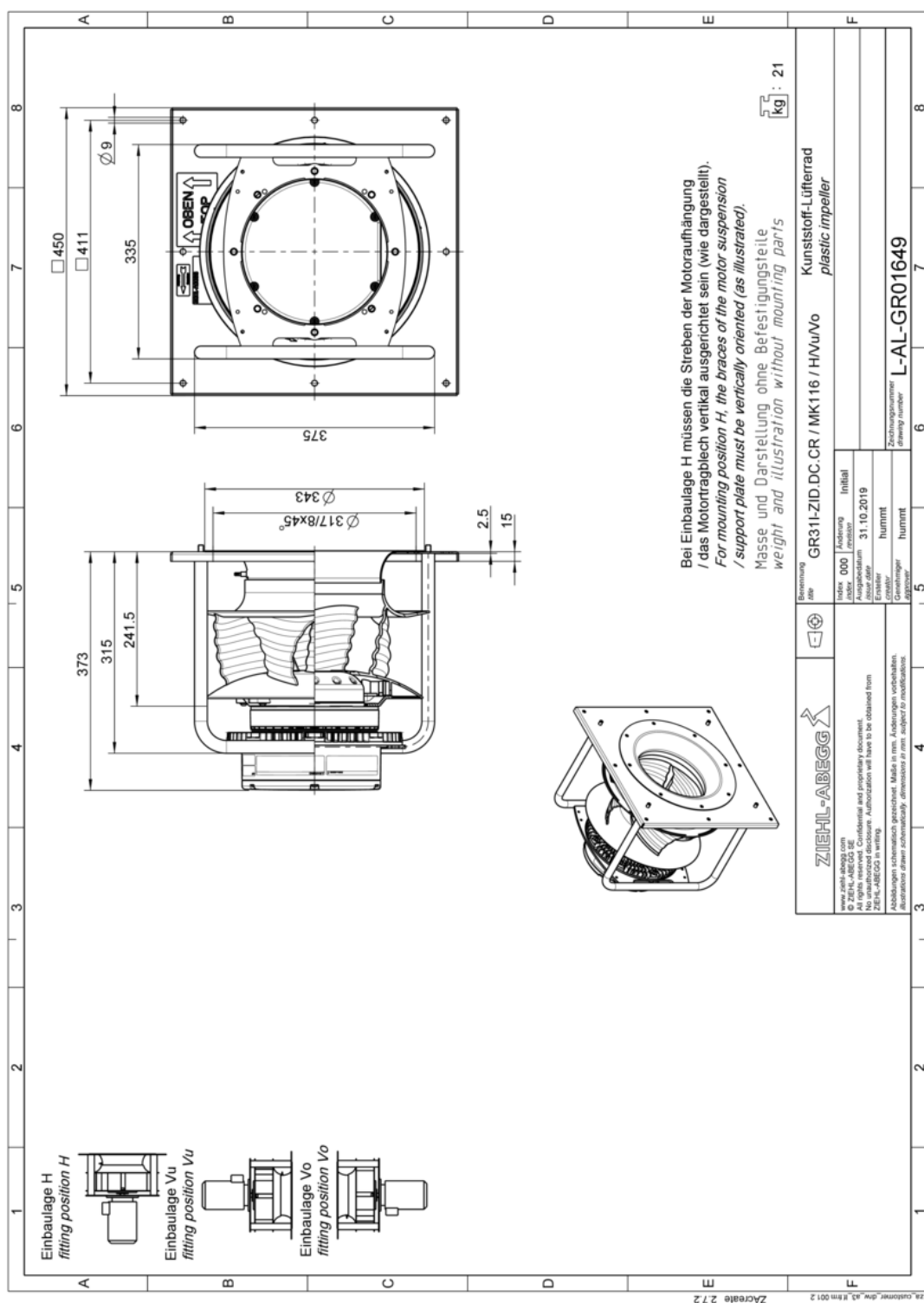
Article number	116890/A01
Type key	GR31I-ZID.DC.CR
Designation	Ventilation unit with impeller with backward curved blades.
Fan design	with D flange
Rated values	3~380-480V 50/60Hz P_{ed} 3.00kW 4.80-3.80A 4020min ⁻¹ 45°C
Electrical connection	Integrated controller
Conformity	ErP 2015, ErP2026-Status: Compliant (complete fan)
ErP Data	Measurement category ErP: A Air flow q_v on Eta opt: 4574 m ³ /h Pressure increase p_{fs} on Eta opt: 1624 Pa Input power P_1 on Eta opt: 3024 W Efficiency H_{statA} : 73.7 % Efficiency grade: $N_{actual} = 79.2 / N_{target} = 62^*$ *ErP 2015
Thermal class	THCL155
Efficiency class	IE5
IO-function	BASIC-MODBUS
Type PFC integrated	no PFC
Painting motor	Stator/rotor separately
Painting rotor	Rotor 1 coatpaint resistance class 1 (L-TI-0596)
Colour rotor	RAL 5002 (ultramarine blue)
Material rotor	Aluminium
Painting impeller	unpainted
Colour impeller	like RAL 5002 (ultramarine blue)
Material blades/impeller	Impeller made of ZAmid
Inlet nozzle	Inlet nozzle with measuring device for volume flow
Mater. inlet nozzle	Inlet nozzle made of galvanised sheet metal
Painting inlet nozzle	unpainted
Connection diagram	Connection diagram: AP00001C
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, MK116-0013
Colour motor	Stator/rotor separately
Rating plate	1x fixed.
Condens. drain holes	Condensation drain hole rotor open
Special bearing	With grooved ball bearing with O-ring
Direction o.rotation	clockwise seen at rotor.
Fitting pos./intake direction	Fitting position H/Vu/Vo
Weight	21.00 kg
Min. operating temperature	-20°C

3. Characteristic Curve

Measured in standard nozzle in installation type A according to ISO 5801
1.16 kg/m³

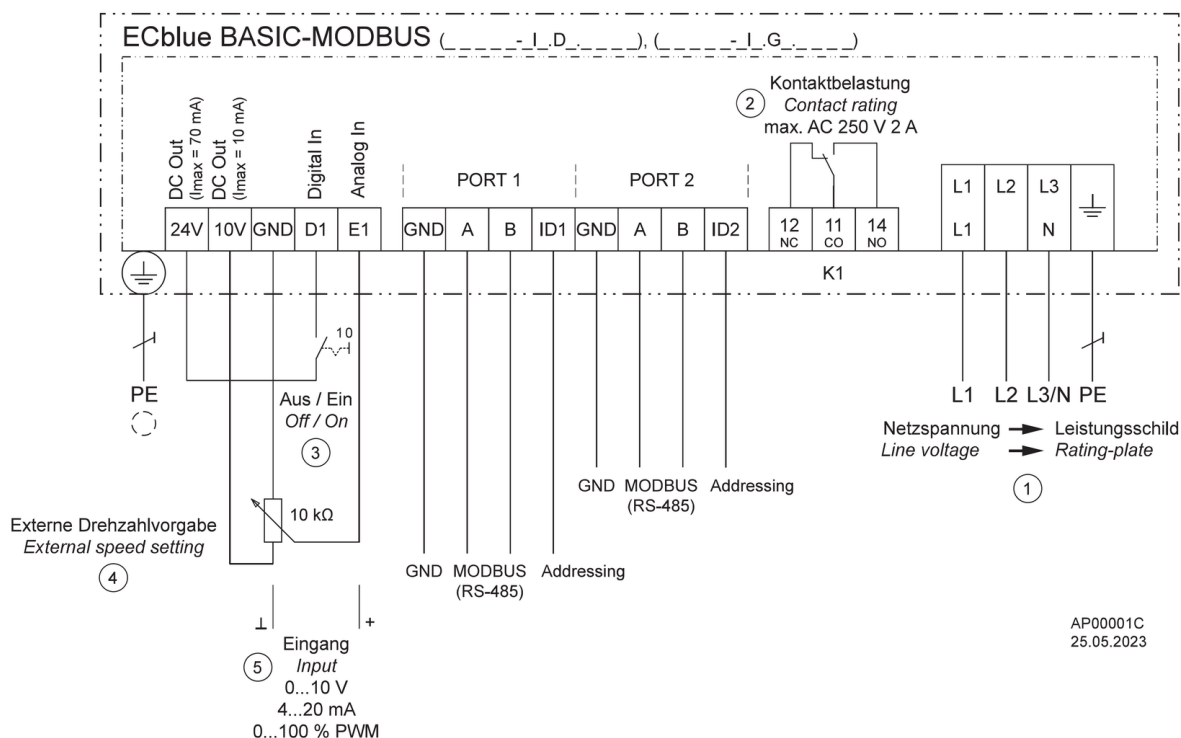


4. Drawing



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

5. Connection Diagram



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	Ersteller <i>creator</i>		langm		Zeichnungsnummer / <i>drawing number</i>
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