

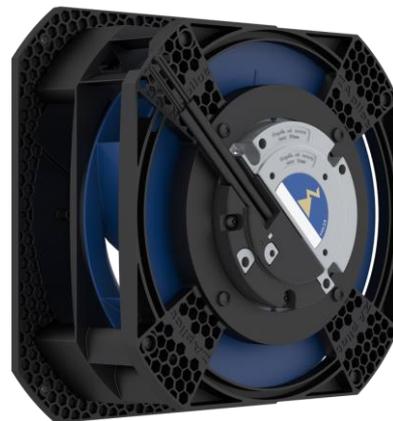
EN



Movement by Perfection



The Royal League in ventilation, control and drive technology



[Product documentation](#)

Type
GR19V-4IP.Z8.AR

Article number
178087

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178087

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Die Königsklasse

Product documentation

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1. Recitals

The Product Specifications contained in this document are final, unless otherwise stated by a separate provision in the "ZIEHL-ABEGG deviation list document" with respect to information provided by the customer (cp. separate Chapter: Attachment).

Other regulations between the parties, regardless of time, form or content, are not part of the subject matter of the contract and the agreement on characteristics/of features (Product Specifications) between the parties.

Compliance with the following specifications is mandatory to ensure the functionality and safety of the product. If the following specifications given especially but not limited for operating conditions, transport, storage, mounting, start-up, maintenance and repair are not observed, the product may not operate safely and may cause a hazard to the life and limb of users and third parties.

Deviations from the following requirements may therefore lead both to the loss of the statutory material defect liability rights and to the liability of the buyer for the product that has become unsafe due to the deviation from the specifications.

2. Product Specification - Technical Data

Article number	178087
Type key	GR19V-4IP.Z8.AR
Designation	Ventilation unit with impeller with backward curved blades.
Fan design	without K flange
Rated values	1~200-240V 50/60Hz P(ed) 170W 1.70-1.45A 3930min ⁻¹ 60°C
Electrical connection	Integrated controller with lateral attached cable 3 + 4 x 0,82 mm ² (AWG18) and 0,325 mm ² (AWG22), 50cm
Conformity	ErP 2015, ErP2026-Status: Compliant (complete fan)
ErP Data	Measurement category ErP: A Air flow q(v) on Eta opt: 583 m ³ /h Pressure increase p(fs) on Eta opt: 502 Pa Input power P(ed) on Eta opt: 169 W Efficiency H(statA): 56.2 % Efficiency grade: N(actual) = 74.8 / N(target) = 62* *ErP 2015
Thermal class	THCL155
Type PFC integrated	no PFC
Painting motor	Stator/rotor separately
Painting stator	Stator unpainted
Painting rotor	Rotor 2 coatpaint resistance class 3 (L-TI-0596)
Colour rotor	RAL 5002 (ultramarine blue)
Material rotor	Steel
Painting impeller	unpainted
Colour impeller	like RAL 5002 (ultramarine blue)
Material blades/impeller	Impeller made of High Performance Composite Material
Inlet nozzle	Inlet nozzle without measuring device for volume flow
K-factor	38
Mater. inlet nozzle	Inlet nozzle made of plastic
Painting inlet nozzle	unpainted
Colour inlet nozzle	black
Connection diagram	wiring diagram: 1360-404
Motor protection	integrated active temperature management
Type of protection	IP54
Impregnation	Moisture and hot climate protection
Quality of bearings	ball bearing with long-time lubrication
Labelling UL/CSA	E347018 ZB-155, MK055-0004
Colour motor	Stator/rotor separately
Cable length	50cm
Cable quality	PVC
Rating plate	1x fixed.
Condens. drain holes	Condensation drain hole rotor open

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Control

ECblue basic+RPM-regulated

Miscellaneous

Direction o.rotation

clockwise seen at rotor.

Fitting pos./intake direction

Fitting position H/Vu/Vo

Number of conductor

3x 0,82 mm² and 4x 0,325 mm² x

VDE number

E912

Operating manual

L-BAL-F066

Weight

1.80 kg

Min. operating temperature

-30°C***

Disclaimer CT20/DOE

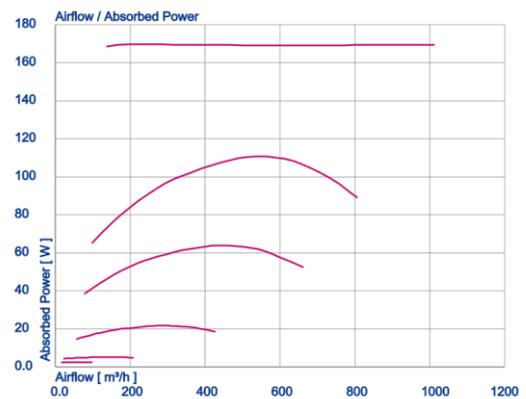
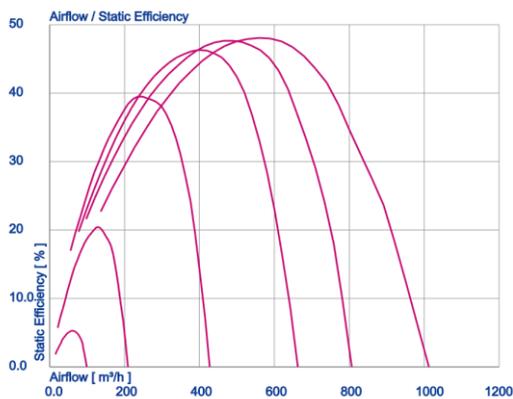
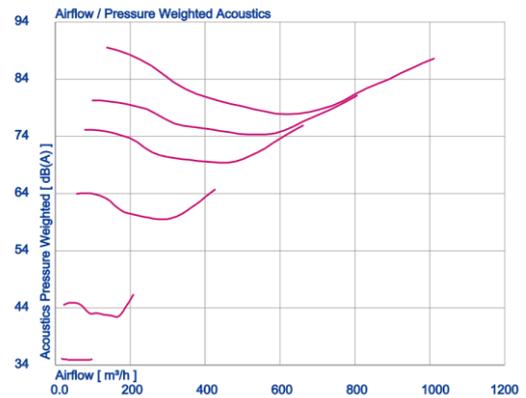
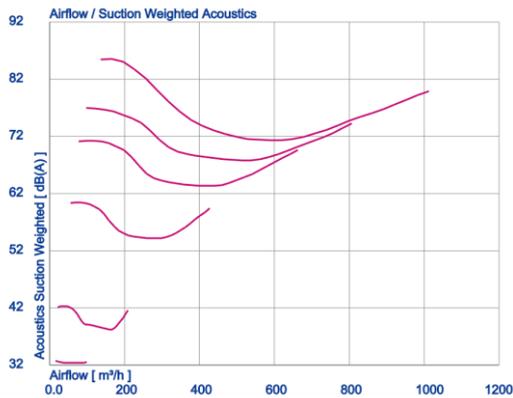
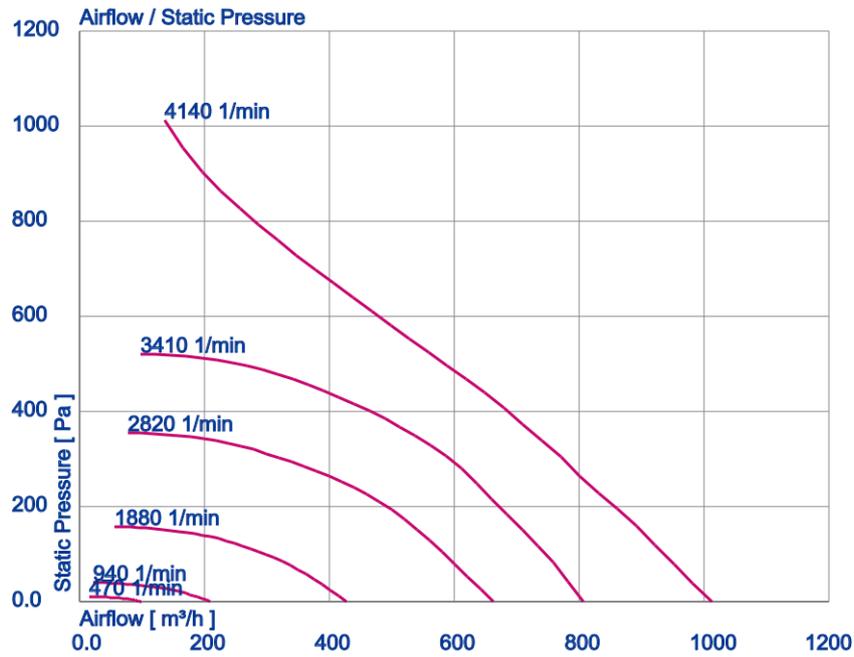
Selected product is not governed by U.S. DOE and CT20 industrial fan and blower regulations.

*** Operation mode: Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02. Occasional starting between -30 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

3. Characteristic Curve

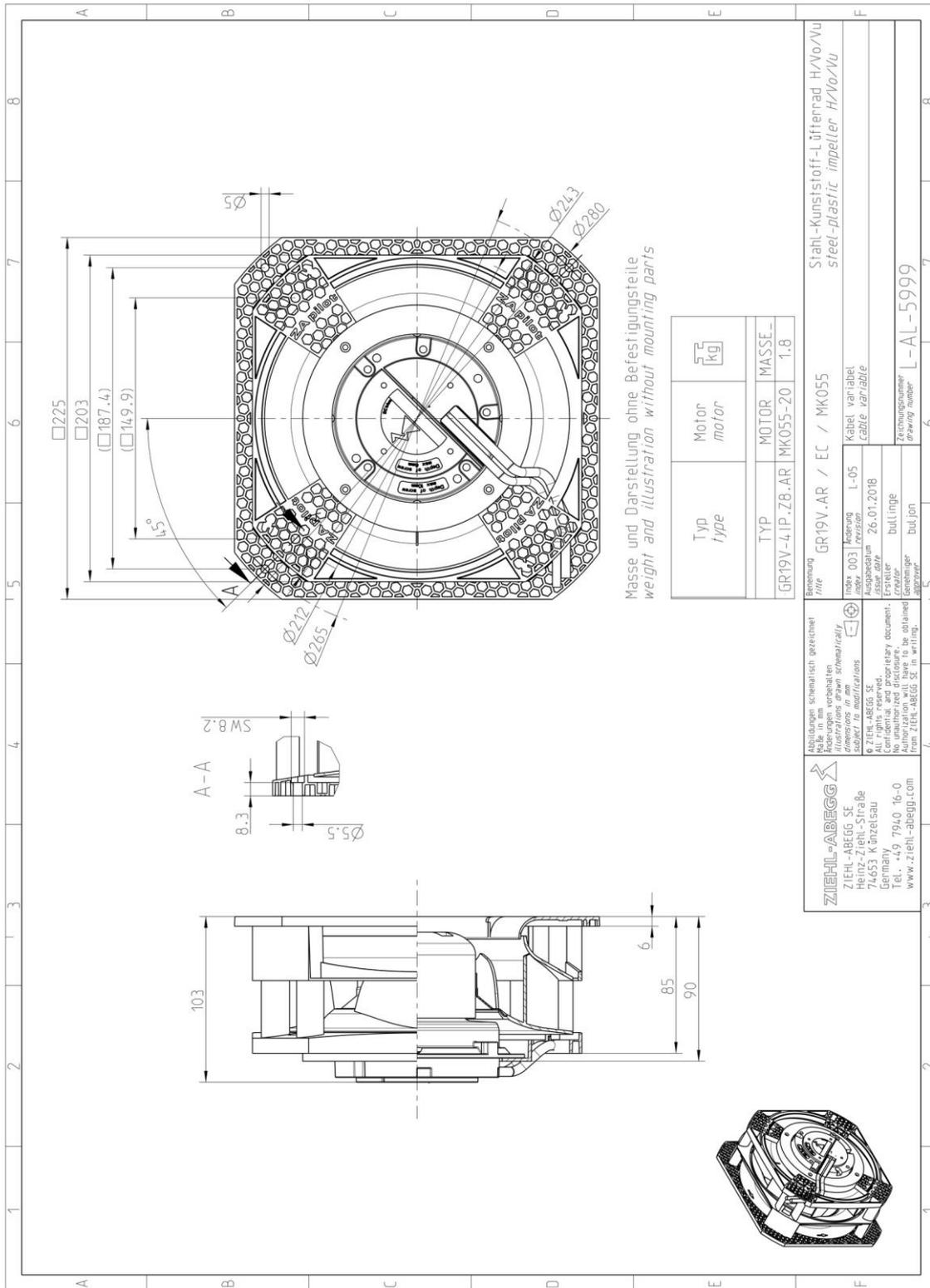
1~200-240V 50Hz

Measured in standard nozzle in installation type A according to ISO 5801



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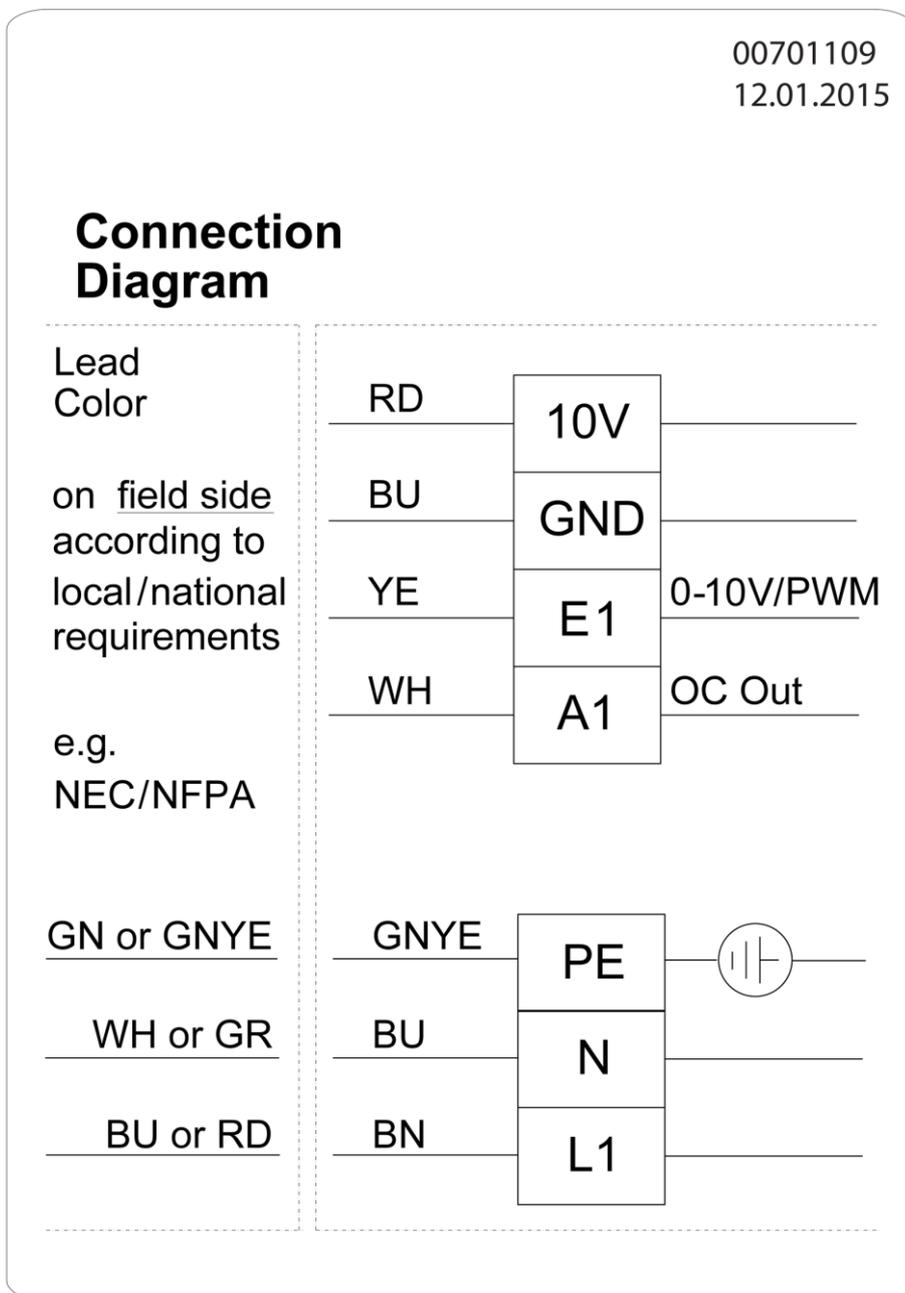


Dimensions in mm

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



5. Connection Diagram



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