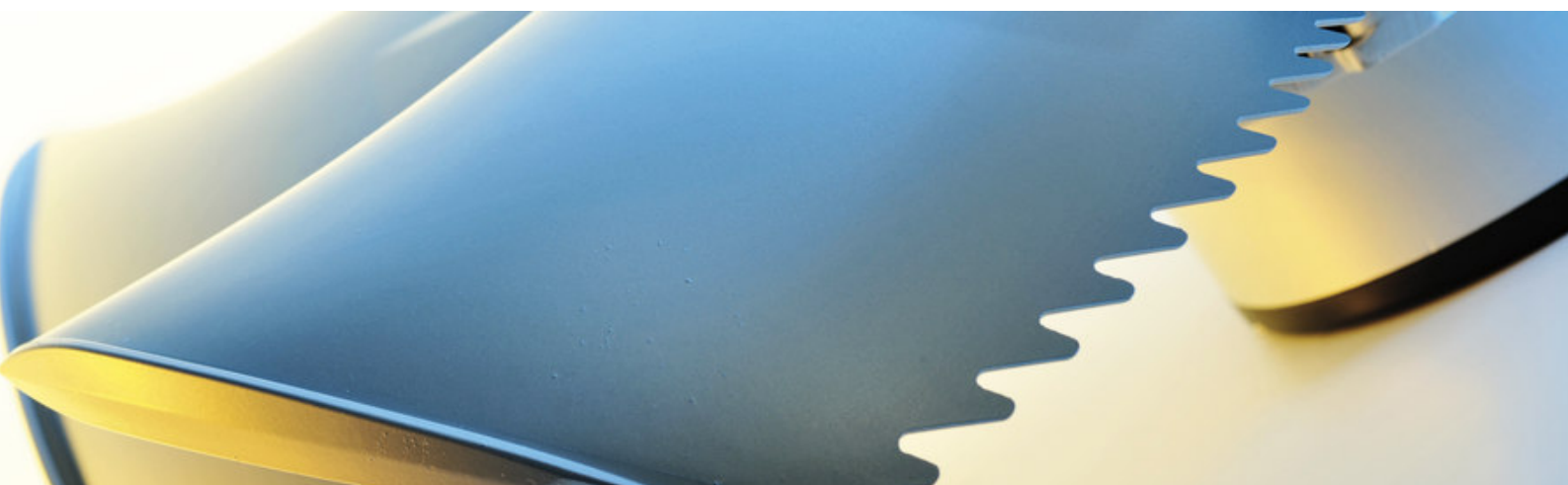


Movement by Perfection



The Royal League in ventilation, control and drive technology



Product documentation

Type
FN025-4EW.W8.A7

Article number
139726

Product documentation

Customer
Cantaş

ZIEHL-ABEGG Contact
Benjamin Adem
Tel. +49 7940 16 90345
Benjamin.Adem@ziehl-abegg.de

ZIEHL-ABEGG Subsidiary
Turkey
ZIEHL-ABEGG Vantilator ve Motor
San ve Tic. Ltd. Sti.
Atatürk Mah. Fırat Bulvarı
Gardenya Plaza 3. Binası
Kat:3 Ofis No: 17
34758 ATAŞEHİR-İSTANBUL
TURKEY
Phone +90 216 5808250
Fax +90 216 5809530
www.ziehl-abegg.com.tr
omur.aydogan@ziehl-abegg.com.tr

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1. Product specification - Technical data

Article number	139726
Type	FN025-4EW.W8.A7
Designation	Axial fan with sickle blades
Rated values	1~230V 50Hz P ₁ 48W 0.24A $\Delta I=0\%$ 1370/min 1.5uF/400V 55°C 1~230V 60Hz P ₁ 55W 0.23A $\Delta I=0\%$ 1600/min 1,5uF/400V 70°C
Electrical connection	Supply cable variable 4x 0,5 mm ² , 45 cm
ErP Data	Not subject to the regulations of ErP directive (P ₁ < 125 W)
Type of protection	IP44 depending on installation and position as per EN 60034-5
Thermal class	THCL155
Cable length	45 cm
Min. operating temperature	-40°C***
Cable quality	SIHF-K
Connection diagram	1360-177X
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 open
Quality of bearings	ball bearing with long-time lubrication
Material Rotor	Aluminium
Painting rotor	Rotor 1 coat painted
colour rotor	RAL 5002 (ultramarine blue)
Material blades	High Performance Composite Material
Painting impeller	unpainted
Colour blades	black
Guard grille type	ring grill
Painting mot.suspens	Motor suspension powder-coated consistency class 2
colour suspension	RAL 9005 (jet black)
Weight	2.50kg

*** 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.

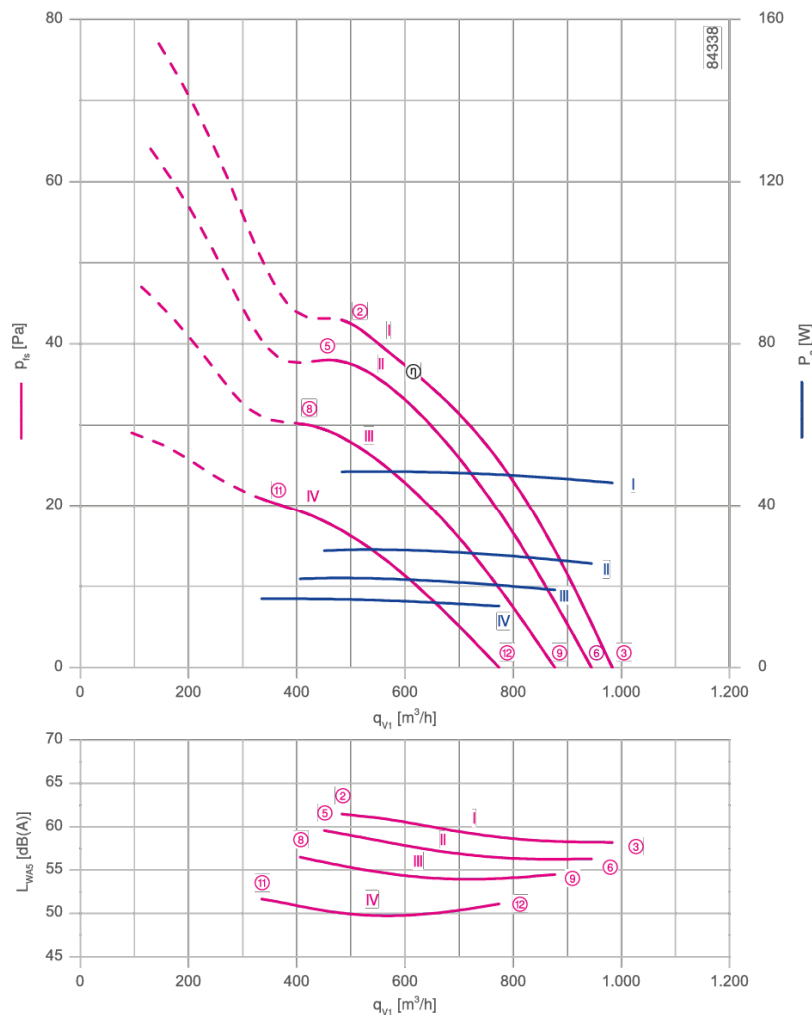
Permissible minimum and maximum ambient temperature for operation:

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 on request. If special bearings for refrigeration applications are installed in the fan, please observe the permissible maximum temperatures in the technical documentation of the product.

2. Characteristic curve

Characteristic curve

Frequency: 50 Hz



Operating point	②	③	⑤	⑥	⑧	⑨	⑪	⑫
Characteristic curve	I	I	II	II	III	III	IV	IV
Connection	L	L	L	L	L	L	L	L
Voltage V	230	230	170	170	135	135	110	110
Input power W	48	46	28	26	22	19	17	15
Current A	0,24	0,23	0,17	0,16	0,16	0,14	0,16	0,14
Speed min^{-1}	1370	1400	1280	1340	1150	1250	960	1110
Suction side sound power level	62	58	60	56	57	55	52	51

[illegible]

4. Connection diagram

1360-177X

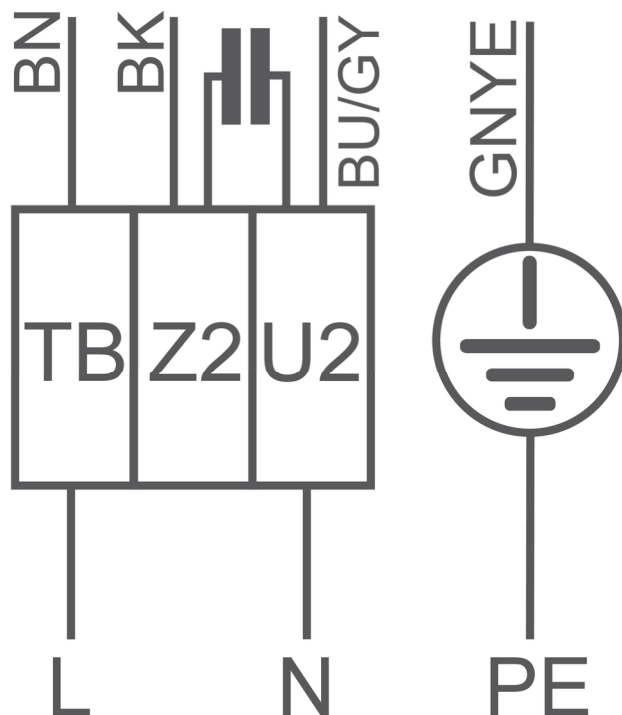
1~ Motor with capacitor and thermostatic switch.

BU/GY blue or grey

BK black

BN brown

GNYE green-yellow





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Intelligent control technology for any application

ZIEHL-ABEGG system capabilities:

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