

# KATALOG | CATALOG

2024



Wentylatory oddymiające  
Axial smoke removing duct fans

[www.konwektor.pl](http://www.konwektor.pl)





Wentylatory oddymiające strumieniowe  
Axial smoke removing duct fans

**WOG-II**

V-4



Wentylatory osiowe kanałowe oddymiające  
Axial smoke removing duct fans

**WOK/OD**

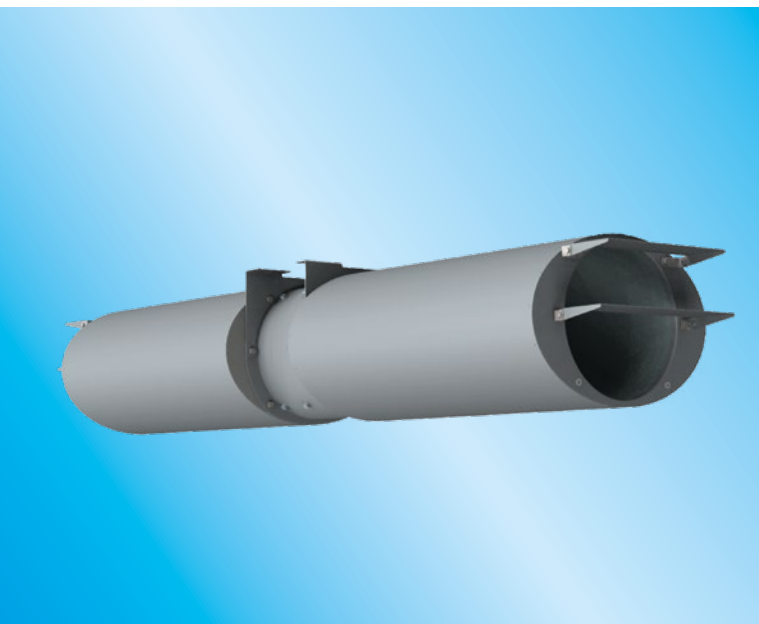
V-9



Wentylatory dachowe oddymiające  
Smoke removing roof fans

**WVP/OD**

V-11



WOG-II - 315; 355; 400 (F300; F400)

WOG-II - 315; 355; 400 (F300; F400)

### Zalety:

- skuteczne oddymianie i wentylacja
- mała przestrzeń montażowa
- szybka i prosta instalacja
- łatwa regulacja systemu
- cicha praca
- niższe koszty systemu oddymiania

### Features:

- effective smoke extraction and ventilation
- small installation space
- quick and easy installation
- easy system adjustment
- quiet operation
- lower costs of the smoke ventilation system

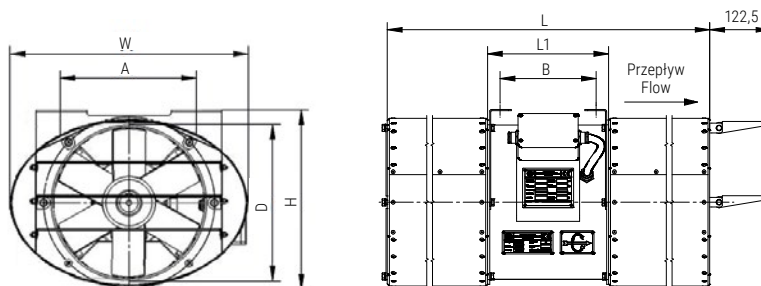
### Przeznaczenie

Wentylatory strumieniowe WOG-II 315, 355, 400 przeznaczone są do usuwania dymu, ciepła oraz przewietrzania parkingów samochodowych lub innych dużych przestrzeni. Optymalny kształt tłumików minimalizuje wysokość potrzebną do instalacji i zapewnia cichą pracę.

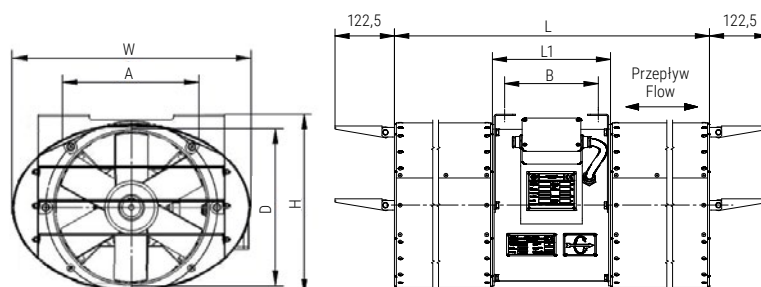
### Intended use

WOG-II 315, 355, 400 jet fans are intended for smoke and heat extraction as well as ventilation of car parks or other large spaces. The optimal shape of the silencers minimises the height required for installation and ensures quiet operation.

### WOG-II - 315 ÷ 400



### WOG-II - 315 ÷ 400 (rewersyjny / reversible)

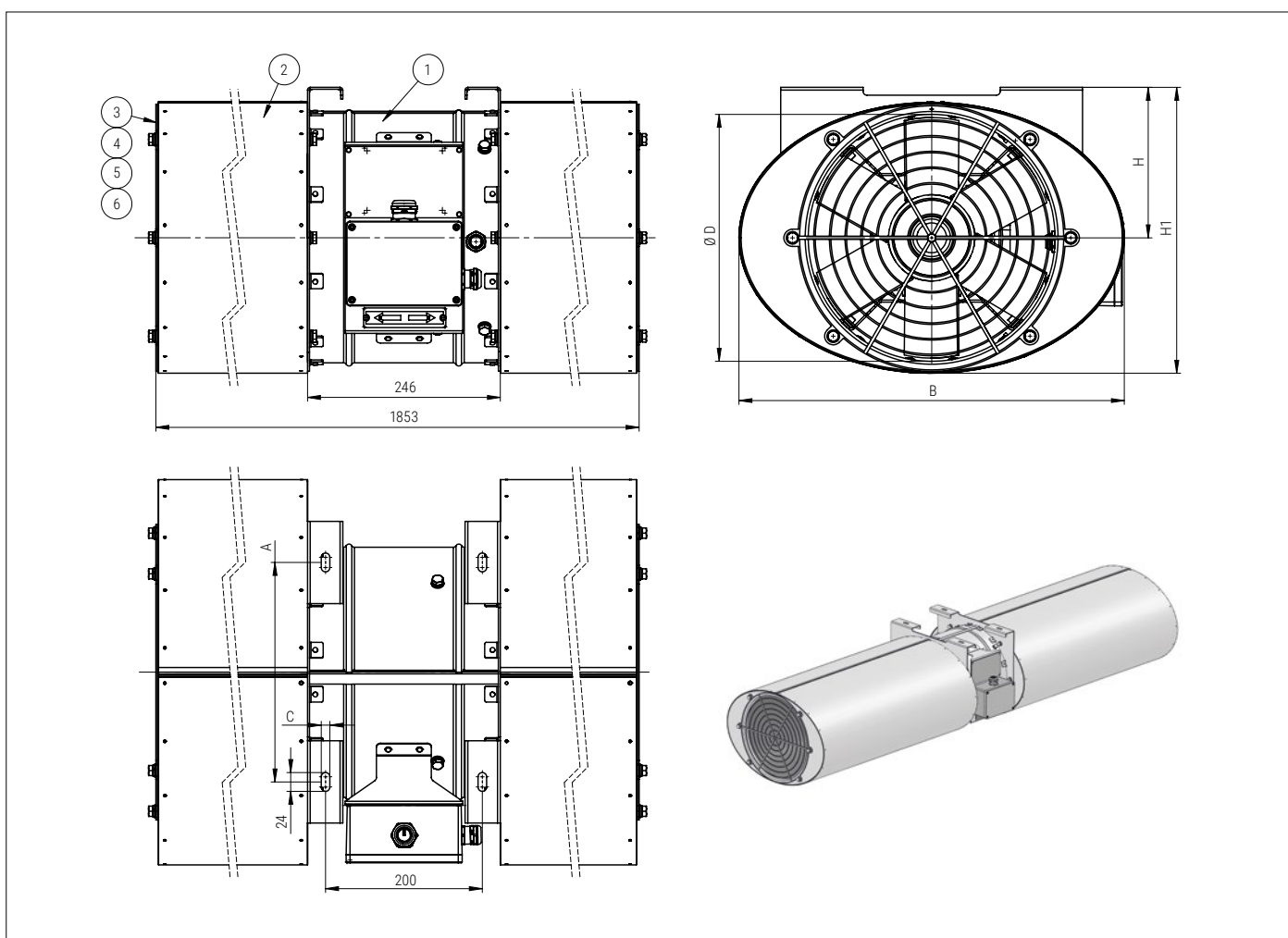


### Wymiary | Dimensions

Typ Type	A [mm]	B [mm]	D [mm]	H [mm]	H [mm]	L1 [mm]	L [mm]	Masa / Weight [kg]
<b>WOG-II-315-OD</b>	280	200	315	490	365	246	1853	62,0
<b>WOG-II-355-OD</b>	320	200	355	555	405	246	1853	68,0
<b>WOG-II-400-OD</b>	375	200	400	625	446	246	1853	87,0

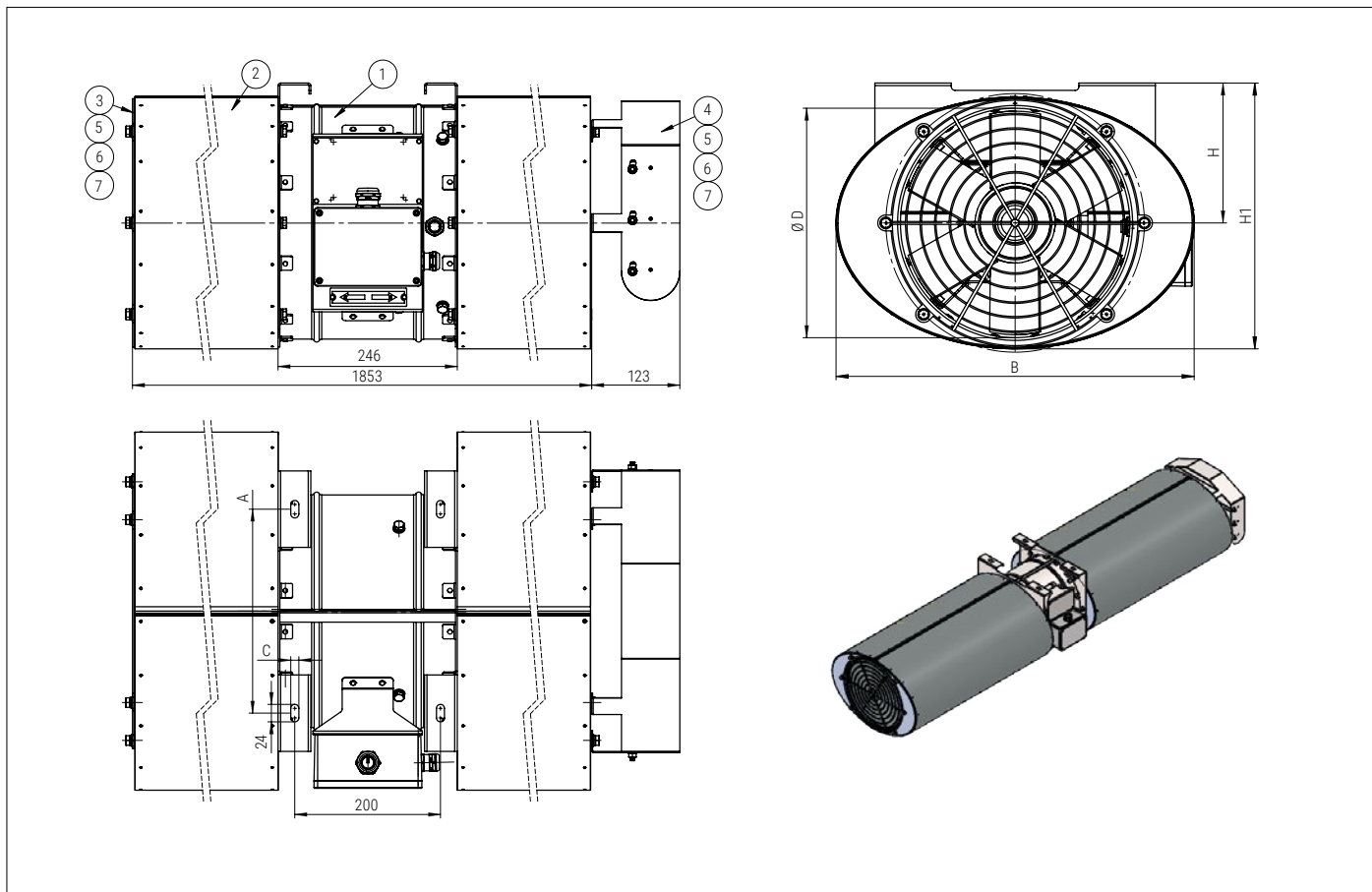
**Dane techniczne | Dimensions**

Typ Type	Siła ciągu Thrust [N]	Wydajność Capacity [m³/h]	Moc silnika Power [kW]	Pobór prądu Current consumption [A]	Prędkość obrotowa Rotational speed [obr/min] [rpm]	Poziom hałasu Noise level [dB(A)]	Waga Weight [kg]	Temperatura pracy Operating temperature
<b>WOG-II-315/OD-II</b>	23/6	3940/1950	0,8/0,2	1,91/0,63	2820/1400	60/42	62,0	300°C/2h 400°C/2h
<b>WOG-II-315R/OD-II</b>	21/5	3860/1920				61/43		
<b>WOG-II-355/OD-II</b>	38/10	6040/2990	1,1/0,25	2,49/1,1	2810/1390	64/42	68,0	300°C/2h 400°C/2h
<b>WOG-II-355R/OD-II</b>	36/9	5890/2940				65/43		
<b>WOG-II-400/OD-II</b>	63/15	8240/4080	1,5/0,37	3,45/1,19	2875/1430	67/45	87,0	300°C/2h 400°C/2h
<b>WOG-II-400R/OD-II</b>	55/14	8040/3980				69/47		

**Wentylator WOG-II w wersji z dwoma tłumikami | WOG-II fan in a version with two silencers**

**Wymiary | Dimensions**

Typ Type	A [mm]	B [mm]	C [mm]	D [mm]	H [mm]	H1 [mm]
<b>WOG-315</b>	280	490	11	315	192	365
<b>WOG-355</b>	320	555	13	355	210	405
<b>WOG-400</b>	375	625	13	400	227	446

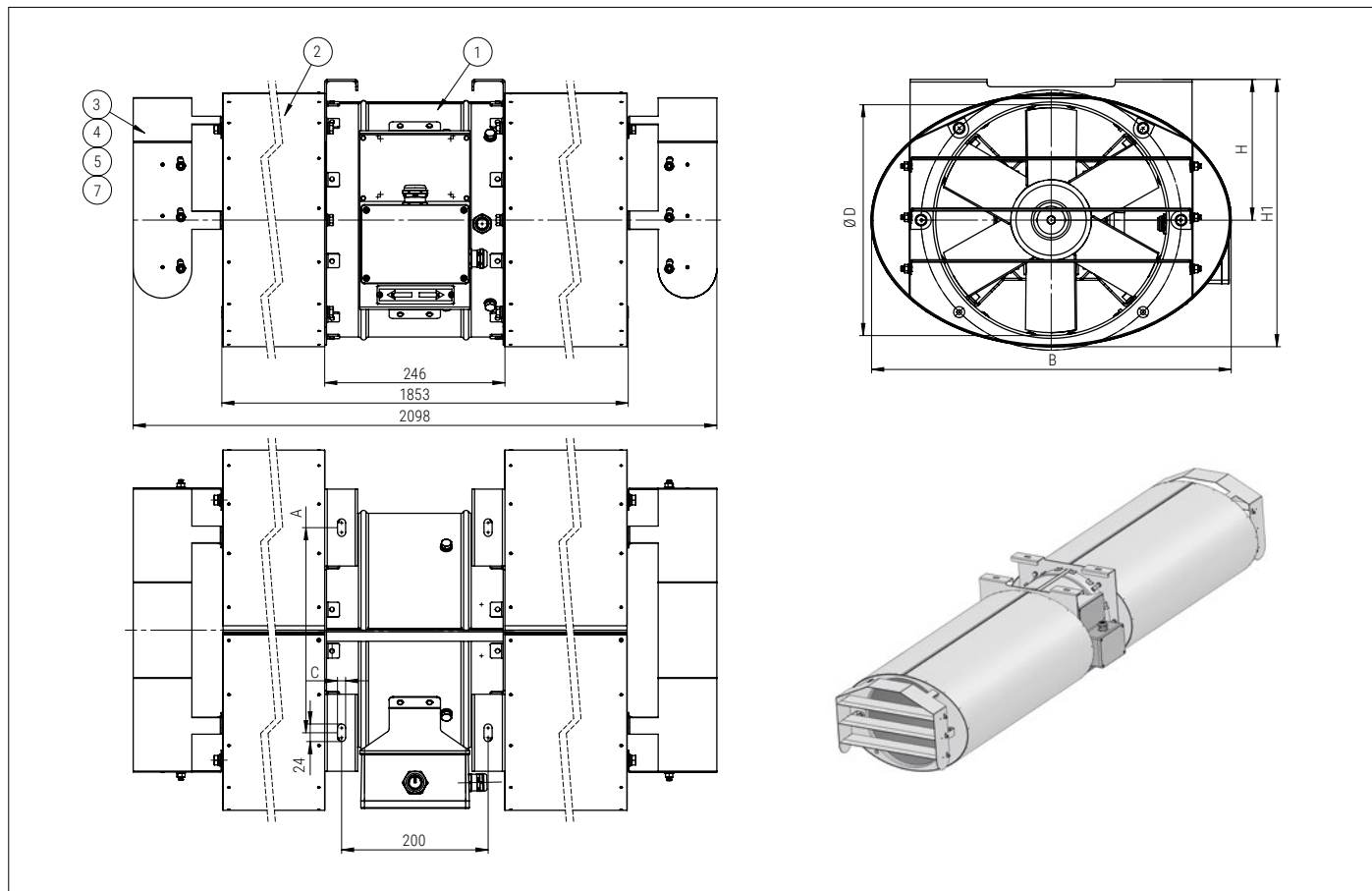
### Wentylator WOG-II w wersji z dwoma tłumikami oraz jednym deflektorem WOG-II fan in the version with two silencers and one deflector



#### Wymiary | Dimensions

Typ Type	A [mm]	B [mm]	C [mm]	D [mm]	H [mm]	H1 [mm]
<b>WOG-315</b>	280	490	11	315	192	365
<b>WOG-355</b>	320	555	13	355	210	405
<b>WOG-400</b>	375	625	13	400	227	446

Wentylator WOG-II w wersji z dwoma tłumikami oraz z dwoma deflektorami  
WOG-II fan in the version with two silencers and two deflectors



Wymiary | Dimensions

Typ Type	A [mm]	B [mm]	C [mm]	D [mm]	H [mm]	H1 [mm]
WOG-315	280	490	11	315	192	365
WOG-355	320	555	13	355	210	405
WOG-400	375	625	13	400	227	446

LGA1 Technological Center, S.A. (APPLUS)  
Campus UAB - Ronda de la Font del Carme s/n  
08193 Bellaterra (Barcelona)  
T +34 93 557 20 00  
www.appluslaboratories.com





## CERTIFICATE

No. **0370-CPR-4717**

CERTIFICATE OF CONSTANCY OF PERFORMANCE

In compliance with Regulation (EU) Nr. 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product:

**SMOKE AND HEAT CONTROL SYSTEMS. VENTILATORS (FANS)**  
PRODUCT RANGE: **WOG-II**

Place on the market under the name of:

**FABRYKA URZĄDZEŃ WETYLACYJNO KLIMATYZACYJNYCH KONWEKTOR Z.O.O.**  
UL. WOJSKA POLSKIEGO 6  
87-600 LIPNO (POLAND)

And produced in the manufacturing plant:  
UL. WOJSKA POLSKIEGO 6  
87-600 LIPNO (POLAND)

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 12101-3:2015

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the **constancy of performance of the construction product**.

This certificate was first issued on 6<sup>th</sup> November 2020 and will remain valid as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body. It is confirmed on 3<sup>rd</sup> December 2021.

Bellaterra, 3<sup>rd</sup> December 2021



LGA1 Technological Center, S.A.

Xavier Ruiz Peña  
Managing Director, Product Conformity B.U.



This document is not valid without its technical annex, whose number coincides with that of the certificate.  
You can check the validity of this certificate into our website at: [www.appluslaboratories.com/certified\\_products](http://www.appluslaboratories.com/certified_products)

Page 1 / 2 LGA1 TECHNOLOGICAL CENTER, S.A. OF: 4-0257493

LGA1 Technological Center, S.A. (APPLUS)  
Campus UAB - Ronda de la Font del Carme s/n  
08193 Bellaterra (Barcelona)  
T +34 93 557 20 00  
www.appluslaboratories.com



## FIRE SAFETY CERTIFICATION

### PRODUCT APPROVAL

No. **APF-1808**

LGA1 TECHNOLOGICAL CENTER S.A. (APPLUS), according to the requirements of the SPC-102 Ed. 5, certifies the performances stated in the technical annex following the reference standard for:

<b>Product range</b>	WOG-II
<b>Company</b>	<b>FABRYKA URZĄDZEŃ WETYLACYJNO KLIMATYZACYJNYCH KONWEKTOR Z.O.O.</b> UL. WOJSKA POLSKIEGO 6 87-600 LIPNO (POLAND)
<b>Manufactured</b>	<b>FABRYKA URZĄDZEŃ WETYLACYJNO KLIMATYZACYJNYCH KONWEKTOR Z.O.O.</b> UL. WOJSKA POLSKIEGO 6 87-600 LIPNO (POLAND)
<b>Standard Reference</b>	EN 12101-3:2015 "Smoke and heat control systems. Part 3: Specifications for powered smoke and heat control ventilators (fans)"
<b>Product Details and Test Report</b>	Please check at the technical annex file and the range report n° 20/22797-1943



Renovation of the initial certificate issued on 6<sup>th</sup> November 2020

Bellaterra, 3<sup>rd</sup> December 2021

  
LGA1 Technological Center, S.A.  
Xavier Ruiz Peña  
Product Conformity B. U., Managing Director

You can check the validity of this certificate on our website: [www.appluslaboratories.com/certified\\_products](http://www.appluslaboratories.com/certified_products)




This document is not valid without its technical annex, whose number coincides with the number of certificate.



Page 1 / 2 LGA1 TECHNOLOGICAL CENTER, S.A. OF: 4-0257493

LGA1 Technological Center, S.A. (APPLUS)  
Campus UAB - Ronda de la Font del Carme s/n  
08193 Bellaterra (Barcelona)  
T +34 93 557 20 00  
www.appluslaboratories.com



Technical Annex Ed. 1  
06/11/2020

0370-CPR-4717

Annex according to EN 12101-3:2015

**SMOKE AND HEAT CONTROL SYSTEMS. PART 3: SPECIFICATION FOR POWERED SMOKE AND HEAT CONTROL VENTILATORS (FANS)**

CERTIFIED PERFORMANCE

Essential characteristics	Clauses in this European Standard	Mandated level(s) or class(es)
<b>Response delay</b> - Opening under wind load within a given time; - Opening under snow load within a given time.	4.1.1	NA
		NA
<b>Operational reliability</b> - Application categories; - Motor rating.	4.2.2	<ul style="list-style-type: none"> <li>Thermally uninsulated</li> <li>Direct feed</li> <li>Dual purpose use</li> <li>Installation inside the smoke reservoir</li> </ul>
		4.2.3
<b>Effectiveness of smoke/hot gas extraction:</b> - Gas flow and pressure maintenance during smoke and heat extraction test.	4.3.2	+/-20% (P <sub>3</sub> )
<b>Resistance to fire</b>	4.4	F <sub>400</sub> (I20)
<b>Ability to open under environmental conditions</b> - Opening under wind load within a given time; - Opening under snow load within a given time.	4.5	NA
		NA
<b>Durability of operational reliability</b>	4.6	NPD

PASS; NPD = No Performance Determined; NA = Not Applicable

PRODUCT

**1.- Application:**

- Fans tested inside the furnace.
- F400 fan. Tested during 120 minutes.
- Dual purpose use
- Horizontal direction of motor shaft

**3.- Accessories:**

- Terminal block reference Kostka B125-G4-6 from Limathern.
- Terminal box from Konwektor.
- Silencers from Konwektor.
- Deflectors from Konwektor.
- Supporting feet from Konwektor.

PRODUCT


**2.- Characteristics:**

- Motor W22 by WEG:
  - Power up to 1,5 kW.
  - Motor size 80 and 90S
  - 2 poles
  - Rated voltage: 400 V (±10%)
  - Rated frequency: 50 Hz
  - Fan size from 315 to 400.

The complete technical data of the certified range **WOG-II** are detailed in the technical file and the range report n° 20/22797-1943.

Page 2 / 2

LGA1 Technological Center, S.A. (APPLUS)  
Campus UAB - Ronda de la Font del Carme s/n  
08193 Bellaterra (Barcelona)  
T +34 93 557 20 00  
www.appluslaboratories.com



Technical Annex Ed. 1  
06/11/2020

APF-1808

Annex according to EN 12101-3:2015

**SMOKE AND HEAT CONTROL SYSTEMS. PART 3: SPECIFICATION FOR POWERED SMOKE AND HEAT CONTROL VENTILATORS (FANS)**

CERTIFIED PERFORMANCES

Essential characteristics	Clauses in this European Standard	Mandated level(s) or class(es)
<b>Response delay</b> - Opening under wind load within a given time; - Opening under snow load within a given time.	4.1.1	NA
		NA
<b>Operational reliability</b> - Application categories; - Motor rating.	4.2.2	<ul style="list-style-type: none"> <li>Thermally uninsulated</li> <li>Direct feed</li> <li>Dual purpose use</li> <li>Installation inside the smoke reservoir</li> </ul>
		4.2.3
<b>Effectiveness of smoke/hot gas extraction:</b> - Gas flow and pressure maintenance during smoke and heat extraction test.	4.3.2	+/-20% (P <sub>3</sub> )
<b>Resistance to fire</b>	4.4	F <sub>400</sub> (I20)
<b>Ability to open under environmental conditions</b> - Opening under wind load within a given time; - Opening under snow load within a given time.	4.5	NA
		NA
<b>Durability of operational reliability</b>	4.6	NPD

PASS; NPD = No Performance Determined; NA = Not Applicable

PRODUCT

**1.- Application:**

- Fans tested inside the furnace.
- F400 fan. Tested during 120 minutes.
- Dual purpose use
- Horizontal direction of motor shaft

**3.- Accessories:**

7. Terminal block reference Kostka B125-G4-6 from Limathern.
8. Terminal box from Konwektor.
9. Silencers from Konwektor.
10. Deflectors from Konwektor.
11. Supporting feet from Konwektor.

PRODUCT

**2.- Characteristics:**

- Motor W22 by WEG:
  - Power up to 1,5 kW.
  - Motor size 80 and 90S
  - 2 poles
  - Rated voltage: 400 V (±10%)
  - Rated frequency: 50 Hz
  - Fan size from 315 to 400.

Page 2 / 2



**Przeznaczenie**

Wentylatory osiowe kanałowe oddymiające typu WOK-.../OD z wirnikiem osiowym są przeznaczone do usuwania dymu i ciepła z pomieszczeń podczas pożaru oraz normalnej wentylacji. Kategoria temperatury typu F400: 400°C 120 min.

Wentylatory przystosowane są do pracy w dowolnej pozycji.

**Appropriation**

Axial smoke removing duct fans WOK-.../OD type with an axial impeller are designed to smoke and warmth removing from compartments, during the fire case and also for normal ventilation. Temperature category type F400: 400°C 120 min.

These fans are adapter for optional position working.

**Budowa wentylatora**

Obudowa wentylatora wykonana jest z blachy stalowej kwasoodpornej zwinętej w kształcie rury, do której przymocowane są pierścienie. Silnik elektryczny wraz z wirnikiem zamocowany jest na wsporniku umieszczonym wewnątrz obudowy. Wirnik osadzony jest bezpośrednio na wale silnika i zabezpieczony zespołem krążka dociskowego z podkładką odginaną, wykonaną z blachy kwasoodpornej. Wlot i wylot wentylatora zabezpieczony jest kwasoodporną siatką ochronną.

Wentylatory są napędzane silnikami trójfazowymi jednobiegowymi, bez seryjnie wbudowanej ochrony termicznej, izolacja klasy H, stopień ochrony mechanicznej IP55.

**Design**

The fan housing is made of acid-proof stainless steel, coiled into the pipe-shape, where the rings are attached. The electric moto with the impeller is mounted on the bracket inside the housing. The impeller is mounted directly on the motor shaft and is protected by the set of pressure roller with the tab washer made of acid-proof sheet. Fan's inlet and outlet is protected by the acid-proof protective grid.

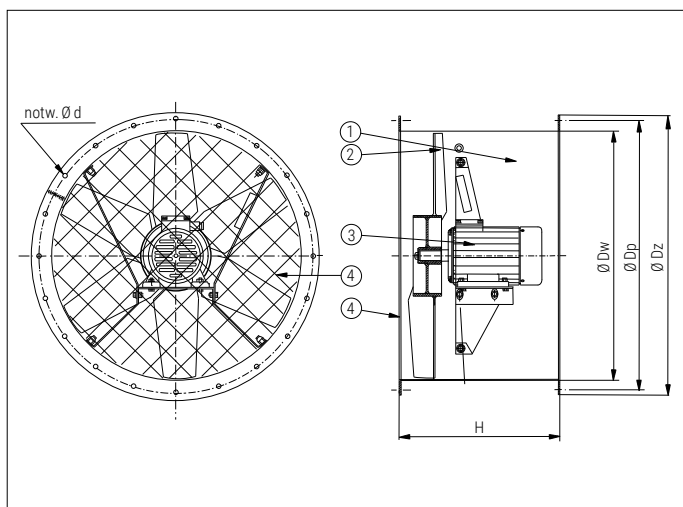
These fans are driven by one speed three-phase motors without serial built-in thermal protection, isolation class H, mechanical protection level IP55.

**Podzespoły wyrobu**

1. Obudowa wentylatora
2. Wirnik osiowy
3. Silnik elektryczny
4. Siatka ochronna

**Sub-assemblies**

1. Fan housing
2. Axial impeller
3. Electric motor
4. Protective grid


**Wymiary | Dimensions**

Typ Type	H [mm]	Dw [mm]	Dp [mm]	Dz [mm]	n [mm]	d [mm]
<b>WOK-500/OD</b>	470	500	560	590	12	12
<b>WOK-630/OD</b>	470	630	690	710	12	12
<b>WOK-710/OD</b>	500	710	770	800	16	12

**Dane techniczne | Technical data**

Typ Type	Wydajność <sub>max</sub> Capacity <sub>max</sub> [m³/h]	Śpiężenie <sub>max</sub> Compress <sub>max</sub> [Pa]	Moc Power [kW]	Obroty Rotations [min <sup>-1</sup> ]	Napięcie Voltage [V]
<b>WOK-500/OD</b>	9300	510	1,1	1430	3x400; 50 Hz
<b>WOK-630/OD</b>	19000	900	3	1455	3x400; 50 Hz
<b>WOK-710/OD</b>	25200	1100	4	1455	3x400; 50Hz

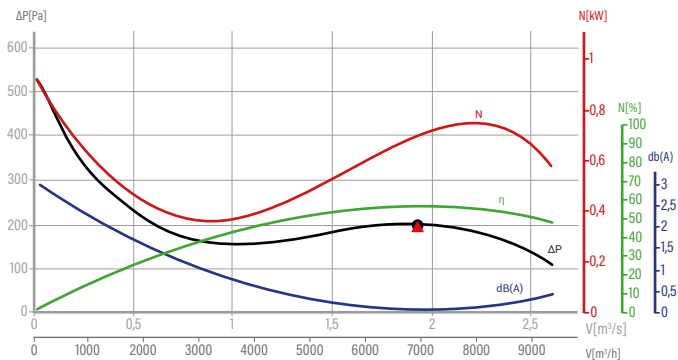
### Charakterystyki | Characteristics

#### WOK-500/OD

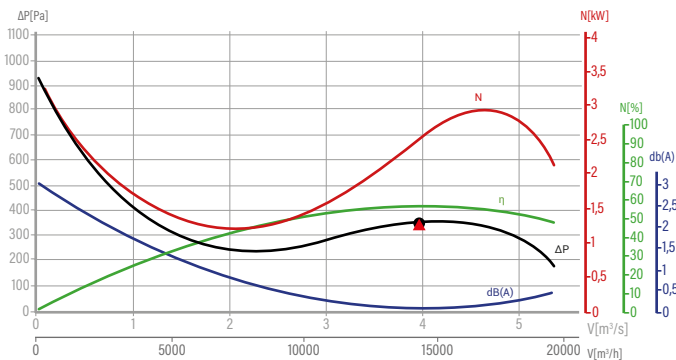
RPM: 1430 [min<sup>-1</sup>]

#### WOK-630/OD

RPM: 1455 [min<sup>-1</sup>]



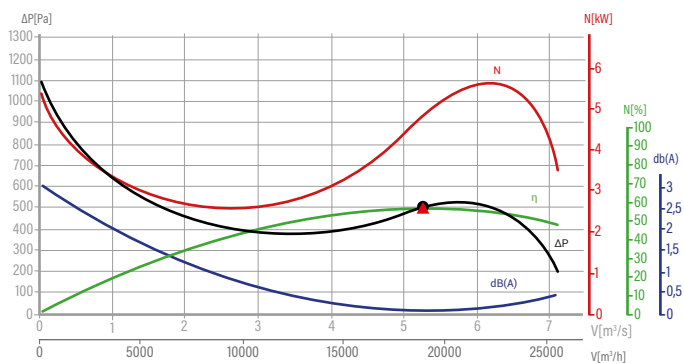
- Punkt pracy Working point
- ▲ Punkt najwyższej sprawności Best efficiency point



- Punkt pracy Working point
- ▲ Punkt najwyższej sprawności Best efficiency point

#### WOK-710/OD

RPM: 1455 [min<sup>-1</sup>]



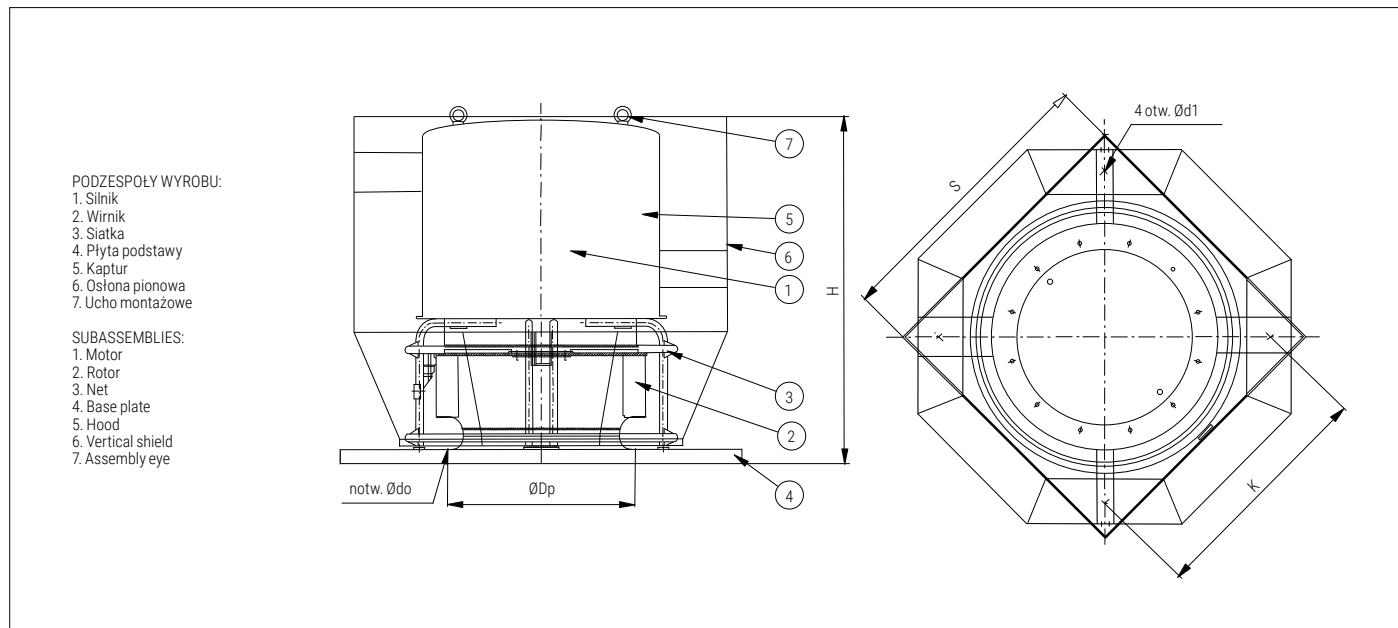
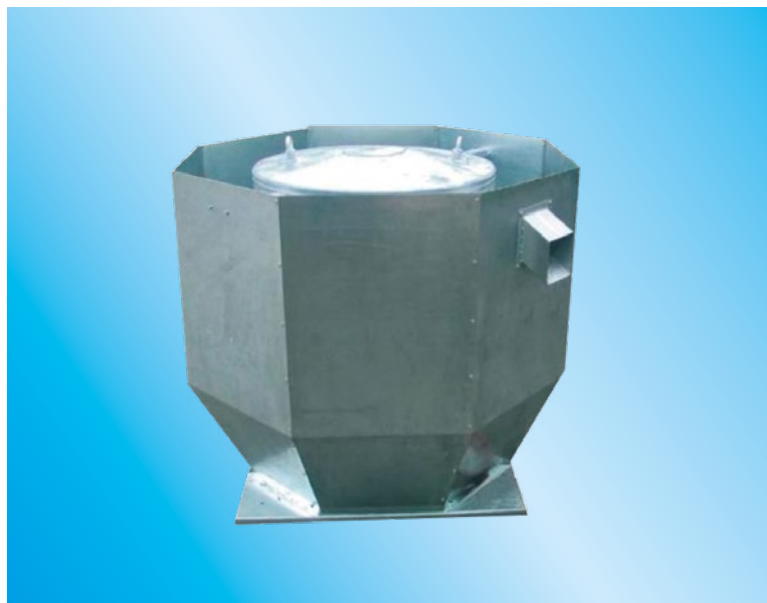
- Punkt pracy Working point
- ▲ Punkt najwyższej sprawności Best efficiency point

Dachowe wentylatory oddymiające z wirnikiem promieniowym są przeznaczone do usuwania dymu i ciepła z pomieszczeń podczas pożaru oraz do normalnej wentylacji. Kategoria temperatury typu F400: 400oC 120min. Wentylatory WVP.../OD wykonane są z materiałów zabezpieczonych przed korozyjnym działaniem w normalnych warunkach środowiska. Wentylatory są napędzane silnikami trójfazowymi dwubiegowymi lub jednobiegowymi, bez seryjnie wbudowanej ochrony termicznej, izolacja klasy H, stopień ochrony mechanicznej IP55.

Wentylator naszej produkcji dostarczony jest w stanie gotowym do zamocowania na podstawie dachowej typu BI, BII, BIII lub cokole murowanym.

Smoke removing roof fans with centrifugal rotor are made of corrosion proof materials in normal environments. The fans are propelled by three-phase one or two-speed motors without thermal protection as standard, H-class insulation, IP55 mechanical protection rate.

Our fan is delivered ready for mounting on a BI, BII, BIII type roof base or on a brick base.



Wymiary | Dimensions

Typ Type	S [mm]	K [mm]	H [mm]	d1 [mm]	n [mm]	do	Dp [mm]
WVP-500/OD	920	750	1119	11	12	M10	560
WVP-630/OD	1020	840	1241		16		690
WVP-710/OD	1020	840	1241		770		

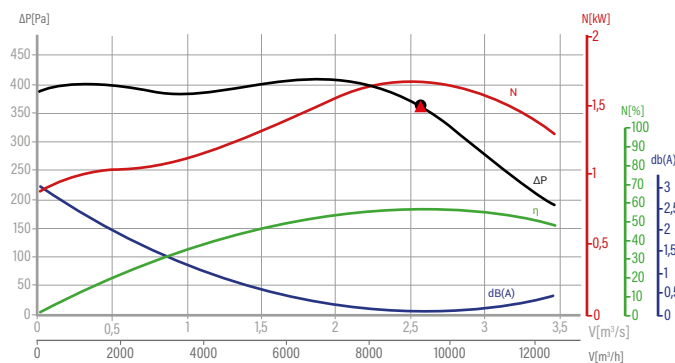
Dane techniczne | Technical data

Typ Type	Wydajność <sub>max</sub> Capacity <sub>max</sub> [m <sup>3</sup> /h]	Śpięzrenie <sub>max</sub> Compress <sub>max</sub> [Pa]	Moc Power [kW]	Obroty Rotations [min <sup>-1</sup> ]	Napięcie Voltage [V]
WVP-500/OD	11571	400	3	900	3x400
WVP-630/OD	22320/15120	500/240	6,5/2,9	985/735	3x400
WVP-710/OD	25600	550	7,5	900	3x400

### Charakterystyki | Characteristics

#### WVP-500/OD

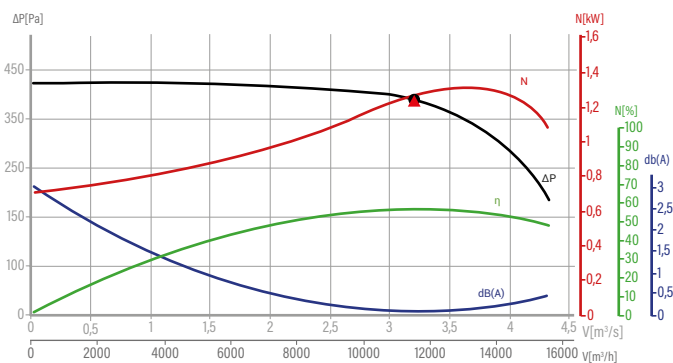
RPM: 950 [min<sup>-1</sup>]



- Punkt pracy Working point
- ▲ Punkt najwyższej sprawności Best efficiency point

#### WVP-630/OD

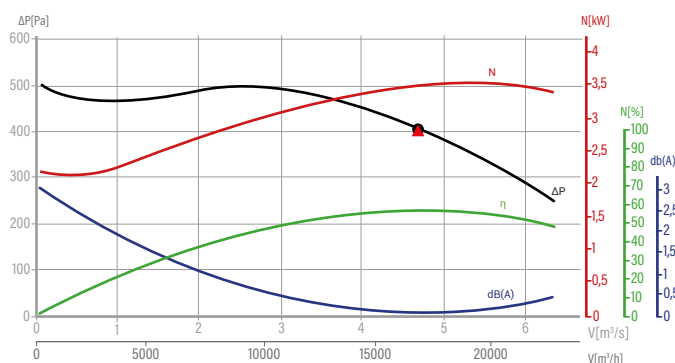
RPM: 700 [min<sup>-1</sup>]



- Punkt pracy Working point
- ▲ Punkt najwyższej sprawności Best efficiency point

#### WVP-630/OD

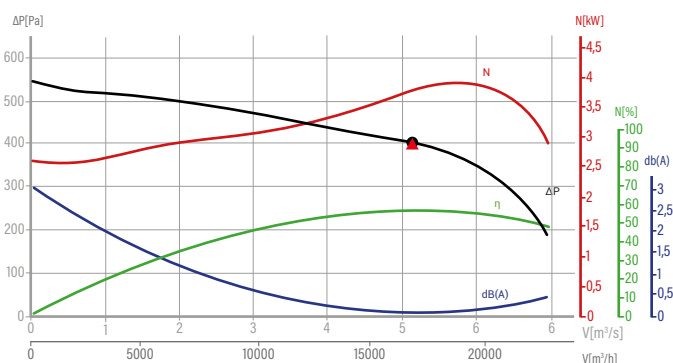
RPM: 950 [min<sup>-1</sup>]



- Punkt pracy Working point
- ▲ Punkt najwyższej sprawności Best efficiency point

#### WVP-710/OD

RPM: 950 [min<sup>-1</sup>]



- Punkt pracy Working point
- ▲ Punkt najwyższej sprawności Best efficiency point