

GUTACHTEN MIT FERTIGUNGSÜBERWACHUNG CERTIFICATE OF CONFORMITY WITH FACTORY SURVEILLANCE

ebm-papst St. Georgen GmbH & Co.KG
Hermann-Papst-Straße 1
78112 St. Georgen
Germany

ist berechtigt, für ihr Produkt /
is authorized to use for their product
Einbauventilator für IT-Geräte
Fan for building-in, IT-equipment

die hier abgebildeten markenrechtlich geschützten Zeichen
für die ab Blatt 2 aufgeführten Typen zu benutzen /
the legally protected Marks as shown below for the types referred to on page 2 ff.



REG A664 oder/or



oder/or VDE-REG A664

REG A664

Geprüft und zertifiziert nach /
Tested and certified according to

DIN EN IEC 62368-1 (VDE 0868-1):2021-05; EN IEC 62368-1:2020+A11:2020

Das Produkt erfüllt auch die Anforderungen nach /
The product also fulfills the requirements of

IEC 62368-1:2018

Aktenzeichen: 674700-2611-0520 / 294303

File ref.:

Ausweis-Nr. 40044461

Blatt 1

Certificate No.

Page

Weitere Bedingungen siehe Rückseite und Folgeblätter /
further conditions see overleaf and following pages

Offenbach, 2016-06-23

(letzte Änderung / updated 2022-10-10)

VDE Prüf- und Zertifizierungsinstitut GmbH
VDE Testing and Certification Institute
Zertifizierungsstelle / Certification

M. Tasotti

VDE Zertifikate sind nur gültig bei Veröffentlichung unter:
VDE certificates are valid only when published on:

<http://www.vde.com/zertifikat>
<http://www.vde.com/certificate>

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
ebm-papst St. Georgen GmbH & Co.KG, Hermann-Papst-Straße 1, 78112 St. Georgen

Aktenzeichen / *File ref.*
674700-2611-0520 / 294303 / TL4 / MBS

letzte Änderung / *updated* Datum / *Date*
2022-10-10 2016-06-23

Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Gutachtens mit Fertigungsüberwachung Nr. 40044461.
This supplement is only valid in conjunction with page 1 of the Certificate of Conformity with factory surveillance No. 40044461.

Einbauventilator für IT-Geräte *Fan for building-in, IT-equipment*

Typ(en) / *Type(s)*

- 1) 412 J###
- 2) 412 J##H###
- 3) 412 J##HH###
- 4) 414 J###
- 5) 414 J##H###
- 6) 414 J##HH###
- 7) 422 J##M###
- 8) 422 J##N###
- 9) 422 J##H###
- 10) 424 J##M###
- 11) 424 J##N###
- 12) 424 J##H###
- 13) 612 N##L###
- 14) 612 N##ML###
- 15) 612 N##M###
- 16) 612 N##N###
- 17) 612 N##H###
- 18) 612 N##HH###
- 19) 614 N##L###
- 20) 614 N##ML###
- 21) 614 N##M###
- 22) 614 N##N###
- 23) 614 N##H###
- 24) 614 N##HH###
- 25) 618 N##M###
- 26) 618 N##N###
- 27) 618 N##HH###
- 28) 622 ##L###
- 29) 622 ##M###
- 30) 622 ##N###

Fortsetzung siehe Blatt 3 /
continued on page 3

Name und Sitz des Genehmigungs-Inhabers / *Name and registered seat of the Certificate holder*
ebm-papst St. Georgen GmbH & Co.KG, Hermann-Papst-Straße 1, 78112 St. Georgen

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Einbauventilator für IT-Geräte *Fan for building-in, IT-equipment*

Typ(en) / *Type(s)*

- 31) 622 ##H###
- 32) 622 ##HH###
- 33) 622 ##H3###
- 34) 624 ##L###
- 35) 624 ##M###
- 36) 624 ##N###
- 37) 624 ##H###
- 38) 624 ##HH###
- 39) 624 ##H3###
- 40) 628 ##HH###
- 41) 632 ##N###
- 42) 632 ##H###
- 43) 634 ##N###
- 44) 634 ##HH###
- 45) 638 ##H###
- 46) 638 ##HH###

Hinweis

Alle Typen entsprechen IP 20. Typen mit dem Suffix "U" sind vergossen und entsprechen IP 66 oder IP 68

Notice

All Types meet IP 20. Types with suffix "U" are potted and meet IP 66 or IP 68

Weitere Angaben
Further information

100, 400 / 2022-09-26



Certificate of Compliance

Certificate: 70018712

Master Contract: 168200 (LR 27697)

Project: 70218120

Date Issued: 2019-04-15

Issued To: ebm-papst St. Georgen GmbH & Co. KG
Hermann-Papst-Str 1
St. Georgen, ., 78112
Germany

Attention: Helmut Knebel

The products listed below are eligible to bear the CSA Mark shown with adjacent indicators 'C', 'US' and▲

Issued by: *Edwin Ko*
Edwin Ko



PRODUCTS

CLASS - C381230 - FANS AND BLOWERS Component Fans

CLASS - C381290 - FANS AND BLOWERS Component Fans - Certified to US Standards

Component brushless DC fans, Series 410J, 420J, 610N, 620 and 630 as follows:

<u>Model Designation</u>	<u>Rated Voltage (V dc)</u>	<u>Rated Current (mA)</u>	<u>Rated Power (W)</u>
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Part A

Series 410 J:

412 J###	12	200 mA	2.4
412 J##H###	12	250 mA	3.0
412 J##HH###	12	270 mA	3.3
414 J###	24	95 mA	2.3



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414 J##H###	24	110 mA	2.7
414 J##HH###	24	150 mA	3.6

Part B

Series 420 J:

422 J##M###	12	200 mA	2.4
422 J##N###	12	340 mA	4.1
422 J##H###	12	570 mA - 660 mA	6.8 - 7.9
424 J##M###	24	112 mA	2.7
424 J##N###	24	180 mA	4.3
424 J##H###	24	287 mA	6.9

Part C

Series 610N:

612 N##L###	12	29 mA - 60 mA	0.4 - 0.7
612 N##ML###	12	35 mA - 75 mA	0.4 - 0.9
612 N##M###	12	78 mA - 140 mA	0.9 - 1.7
612 N##N###	12	133 mA - 200 mA	1.6 - 2.4
612 N##H###	12	166 mA - 200 mA	2.0 - 2.4
612 N##HH###	12	240 mA - 310 mA	2.9 - 3.7
614 N##L###	24	37 mA - 42 mA	0.9 - 1.0
614 N##ML###	24	40 mA - 50 mA	1.0 - 1.2
614 N##M###	24	58 mA	1.4
614 N##N###	24	88 mA	2.1
614 N##H###	24	88 mA - 110 mA	2.1 - 2.6
614 N##HH###	24	120 mA - 150 mA	2.9 - 3.6
618 N##M###	48	38 mA	1.9
618 N##N###	48	44 mA	2.1
618 N##HH###	48	70 mA	3.4

Series 620:

622 ##L###	12	42 mA	0.5
622 ##M###	12	83 mA - 100 mA	1.0 - 1.2
622 ##N###	12	158 mA - 160 mA	1.9
622 ##H###	12	190 mA - 200 mA	2.3 - 2.4
622 ##HH###	12	295 mA - 350 mA	3.5 - 4.2
622 ##H3###	12	460 mA	5.5
624 ##L###	24	42 mA	1.0



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624 ##M###	24	58 mA	1.4
624 ##N###	24	80 mA - 92 mA	1.9 - 2.2
624 ##H###	24	100 mA	2.4
624 ##HH###	24	146 mA - 160 mA	3.5 - 3.8
624 ##H3###	24	235 mA	5.6
628 ##HH###	48	90 mA	4.3

Series 630:

632 ##N###	12	135 mA	1.6
632 ##H###	12	130 mA	1.6
634 ##N###	24	70 mA	1.7
634 ##HH###	24	135 mA	3.2
638 ##H###	48	38 mA	1.8
638 ##HH###	48	66 mA	3.2

Note: The above models are Certified only for use as component of other Certified assemblies where the suitability is to be determined by CSA Group at the end use equipment.

APPLICABLE REQUIREMENTS

- | | |
|---------------------------------|-------------------------|
| CAN/CSA Std C22.2 No 113-18 | - Fans and ventilators. |
| UL 507 10 th Edition | - Electric Fans |



Supplement to Certificate of Compliance

Certificate: 70018712

Master Contract: 168200 (LR 27697)

***The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.***

Product Certification History

Project	Date	Description
000070218120	2019-04-15	Update report to UL 507 10th edition as per Certification Notice Fans and Ventilators No. 26A and CSA C22.2 No. 113-18 as per Certification Informs Fans and Ventilators No. 28
000070080421	2016-10-18	Update report to cover models transferred from reports 1341458 and 2599664; addition of new PCBs 6027 848 and 6027 884; and deletion of reports 1341458 and 2599664.
000070018712	2015-03-20	This project covers the combination of model 610N from 1047774 report, model 620 from 1555338 report and model 630 from 2281838 report.

CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L38324-11-11804102-2
Report Reference E38324-20140811
Date 23-Sep-2022

Issued to: ebm-papst St. Georgen GmbH & Co. KG
Herrmann-Papst-Strasse 1 St. Georgen im Schwarzwald
78112
Germany

This is to certify that representative samples of GPWV2 - Fans, Electric - Component
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: UL 507, 10th Ed., Issue Date: 2017-11-09, Revision Date: 2020-05-27

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC



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CERTIFICATE OF COMPLIANCE

Certificate Number UL-US-L38324-11-11804102-2
Report Reference E38324-20140811
Date 23-Sep-2022

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
41xJ, 41xJ	Electric Fans - Component
42xJ, 42xJ	Electric Fans - Component
600 N, 600 N	Electric Fans - Component
620	Electric Fans - Component
630	Electric Fans - Component
VWCD040J#D##, VWCD040J#D##	Electric Fans - Component
VWCD060A#E##, VWCD060A#E##	Electric Fans - Component
VWCD060X#E##, VWCD060X#E##	Electric Fans - Component
VWCD060Y#E##, VWCD060Y#E##	Electric Fans - Component
VWCE040J#D##, VWCE040J#D##	Electric Fans - Component



Bruce Mahrenholz, Director North American Certification Program

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2216280-0
Report Reference E38324-20140811
Date 23-Sep-2022

Issued to: ebm-papst St. Georgen GmbH & Co. KG
Herrmann-Papst-Strasse 1 St. Georgen im Schwarzwald
78112
Germany

This is to certify that representative samples of GPWV8 - Fans, Electric Certified for Canada - Component
See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: CSA C22.2 NO. 113-18 - 11 th Ed. - Issue Date: 2018-10-01

Additional Information: See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

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CERTIFICATE OF COMPLIANCE

Certificate Number UL-CA-2216280-0
Report Reference E38324-20140811
Date 23-Sep-2022

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Model	Category Description
41xJ, 41xJ	Electric Fans - Component
42xJ, 42xJ	Electric Fans - Component
600 N, 600 N	Electric Fans - Component
620	Electric Fans - Component
630	Electric Fans - Component
VWCD040J#D##, VWCD040J#D##	Electric Fans - Component
VWCD060A#E##, VWCD060A#E##	Electric Fans - Component
VWCD060X#E##, VWCD060X#E##	Electric Fans - Component
VWCD060Y#E##, VWCD060Y#E##	Electric Fans - Component
VWCE040J#D##, VWCE040J#D##	Electric Fans - Component



Bruce Mahrenholz, Director North American Certification Program

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