Notified body

EU identification number: 1946

EMC Test NRW GmbH

electromagnetic compatibility
Emil-Figge-Straße 76
44227 Dortmund, Germany

Recognised by the

Bundesnetzagentur für Elektrizität, Gas, Telekommunikation, Post und Eisenbahnen (BNetzA)

EU-type examination certificate

of a notified body as defined by annex III of the EMC-Directive 2014/30/EU on compliance with the essential requirements acc. to annex I of the EMC-Directive

The Evaluation Report below is the basis of this EU Type Examination Certificate

Certificate No.: 024a/26-e, valid until 2031-08-04

Holder of certificate:	Vaillant GmbH, Berghauser Str. 40, 42859 Remscheid, Germany
Manufacturer:	Vaillant GmbH, Berghauser Str. 40, 42859 Remscheid, Germany
Evaluation Report, date:	**024a/26-e dated 2026-08-04**
EU-type identification:	The type „**ODU MonoPRO**“ includes different variants. For a detailed list of variants see Annex I.
Coverage of certificate:	**Coverage of the essential requirements acc. to annex I of the EMC-Directive 2014/30/EU for all aspects.**
Conditions:	**See Evaluation Report 024a/26-e**

This certificate was issued in accordance with annex III of the Council Directive 2014/30/EU on the approximation of the laws of the Member States relating to electromagnetic compatibility. This certificate does not testify to compliance with the essential requirements acc. to annex I (protection requirements) of other laws implementing Directives of the European Community other than Council Directive 2014/30/EU.

Place, date

44227 Dortmund, 2026-08-04

Notified body

Notified Body EMC TEST NRW Directive 2014/30/EU

(Dipl.-Ing. Jörg Barenfänger)

Annex I

List of the evaluated variants

The type „ODU monoPLUS“ includes the following product group, consisting of:

Casing	designation	Brand	designation	Brand
S (230 V)	VWL 55/7.1 A 230V	Vaillant	HA 5-7.1 O 230V	Saunier Duval
	VWL 55/7.1 A 230V S2	Vaillant	HA 5-7.1 O 230V B2	Saunier Duval
	VWL 55/7.1 A 230V S3	Vaillant	HA 5-7.1 O 230V B3	Saunier Duval
M (230 V)	VWL 75/7.1 A 230V	Vaillant	HA 7-7.1 O 230V	Saunier Duval
	VWL 75/7.1 A 230V S2	Vaillant	HA 7-7.1 O 230V B2	Saunier Duval
	VWL 85/7.1 A 230V S3	Vaillant	HA 8-7.1 O 230V B3	Saunier Duval
L (230 V)	VWL 115/7.1 A 230V S2	Vaillant	HA 11-7.1 O 230V B2	Saunier Duval
	VWL 125/7.1 A 230V S3	Vaillant	HA 12-7.1 O 230V B3	Saunier Duval
	VWL 155/7.1 A 230V S3	Vaillant	HA 15-7.1 O 230V B3	Saunier Duval
L (400 V)	VWL 115/7.1 A	Vaillant	HA 11-7.1 O	Saunier Duval
	VWL 115/7.1 A S2	Vaillant	HA 11-7.1 O B2	Saunier Duval
	VWL 125/7.1 A S3	Vaillant	HA 12-7.1 O B3	Saunier Duval
	VWL 155/7.1 A S3	Vaillant	HA 15-7.1 O B3	Saunier Duval

Evaluation Report No. 024a/26-e

Notified body:	EMC Test NRW GmbH Electromagnetic Compatibility Emil-Figge-Strasse 76 44227 Dortmund, Germany *EU identification number: 1946*
Applicant:	Vaillant GmbH Berghauser Str. 40 42859 Remscheid Germany
Business code:	A25-Z-00799
Order No:	0640308302
Date of report:	2026-08-04
Number of pages:	11
Type of project:	**Examination of conformity with the essential requirements acc. to annex I of the EMC-Directive 2014/30/EU concerning all aspects.**
Basis of type examination:	**Essential requirements of EMC directive 2014/30/EU** The examination of conformity with the essential requirements is based upon the following standards:

EN IEC 55014-1:2021
Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission

EN IEC 55014-2:2021
Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 2: Immunity

EN IEC 61000-3-2:2019 + A1:2021
Electromagnetic compatibility (EMC)
Part 3-2: Limits – Limits for harmonic current emissions (equipment input current = 16 A per phase)

EN 61000-3-12:2011 + A1:2024
Electromagnetic compatibility (EMC)
Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current >16 A and ≤ 75 A per phase

EN 61000-3-3:2013 + A1:2019 + A2:2021 + A2:2021/AC:2022
Electromagnetic compatibility (EMC) – Part 3-3: Limits –Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <= 16 A per phase and not subject to conditional connection

EN IEC 61000-3-11:2019
Electromagnetic compatibility (EMC) – Part 3-11: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems – Equipment with rated current ≤ 75 A and subject to conditional connection

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Evaluation Report No. 024a/26-e

EU-type: **ODU MonoPRO**

EU-type description: The samples are inverter-driven, externally installed heat pumps in monoblock design, which are intended to produce hot heating water.

Remark:
The heat pump control is implemented by the corresponding VWZ AI /8 230V iQ controllers and has been certified with type examination certificate 018a/26-e.

Manufacturer:
Vaillant GmbH
Berghauser Str. 40
42859 Remscheid
Germany

Documents:

General:

- Risk assessment „Risikobeurteilung monoPRO s_m_l.pdf", dated 2026-07-21, VAILLANT GmbH
- Variant-matrix "EMV Matrix_ODU MonoPRO_2026_04_24.xlsx", VAILLANT GmbH
- Installation and Maintenance Instructions "8000026880_01_ODU_S_M_L Size_Inst_Maintainance_D.pdf" and "8000026889_01_ODU L 12_15kW_Inst_Maintainance_V.pdf"

Testreports:

L size 230V
- 26-0202, dated 2026-06-18, VAILLANT GmbH
- P26-Z-00023-002, dated 2026-06-24, EMC Test NRW GmbH

L size 400V
- P26-Z-00004-001, dated 2026-06-09, EMC Test NRW GmbH
- 25-5725, dated 2026-05-22, VAILLANT GmbH

M size
- P25-Z-00349-003, dated 2026-03-06, EMC Test NRW GmbH
- P25-Z-00349-005, dated 2026-03-06, EMC Test NRW GmbH
- 25-5448, dated 2026-05-03, VAILLANT GmbH
- 25-5449, dated 2026-05-03, VAILLANT GmbH

S size
- P25-Z-00349-002, dated 2026-03-06, EMC Test NRW GmbH
- P25-Z-00349-004, dated 2026-03-06, EMC Test NRW GmbH
- 25-5446, dated 2026-02-20, VAILLANT GmbH
- 25-5447, dated 2026-05-03, VAILLANT GmbH

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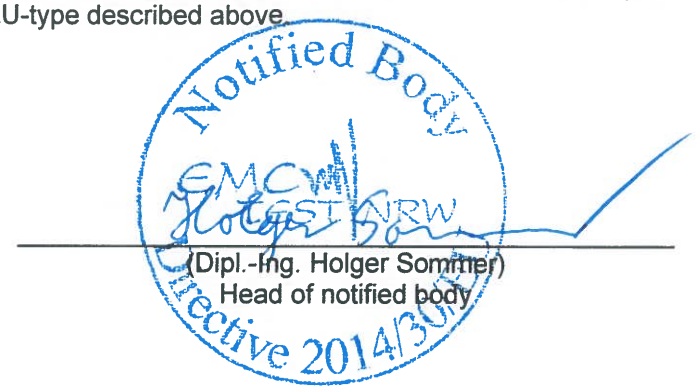
Evaluation Report No. 024a/26-e

Result: **The EU-types comply with the essential requirements acc. to annex I of the EMC-Directive 2014/30/EU concerning all aspects.**

The complete examination results are given on the following pages.

The underwriter declares with his signature, that he had no operative part in performing EMC tests or consultancy for the EU-type described above.



(Dipl.-Ing. Holger Sommer)
Head of notified body

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Evaluation Report No. 024a/26-e

Performance criteria

General information of performance criteria according EN IEC 55014-2:2021

The specification EN 55014-2 defines the following criteria for the evaluation of immunity results.
On no account the equipment under test may become dangerous or unsafe caused by testing.

Performance criterion	*Description*
A	The device (apparatus, equipment) shall continue to operate as intended during and after the test. No degradation of function or performance or loss of function is allowed below a performance level specified by the manufacturer, when the device (apparatus, equipment) is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer then either of these may be derived from the product description and documentation and what the user may reasonably expect from the device (apparatus, equipment) if used as intended.
B	The device (apparatus, equipment) shall continue to operate as intended after the test. No degradation of function or performance or loss of function is allowed below a performance level specified by the manufacturer, when the device (apparatus, equipment) is used as intended. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is however allowed. No change of actual operating state or stored data is allowed. If the minimum performance level or the permissible performance loss is not specified by the manufacturer then either of these may be derived from the product description and documentation and what the user may reasonably expect from the device (apparatus, equipment) if used as intended.
C	Temporary loss of function is allowed, provided the loss of function is self-recoverable or can be restored by the operation of the controls.

This evaluation report refers to these performance criteria.

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Evaluation Report No. 024a/26-e

Evaluation of documentation and test results

Description of the type and product group

For the formation of the group, tables were created: one listing the EMC-relevant components used, and another providing an overview of the EMC-tested variants. This ensures that all installed components have been tested in an appropriate combination.

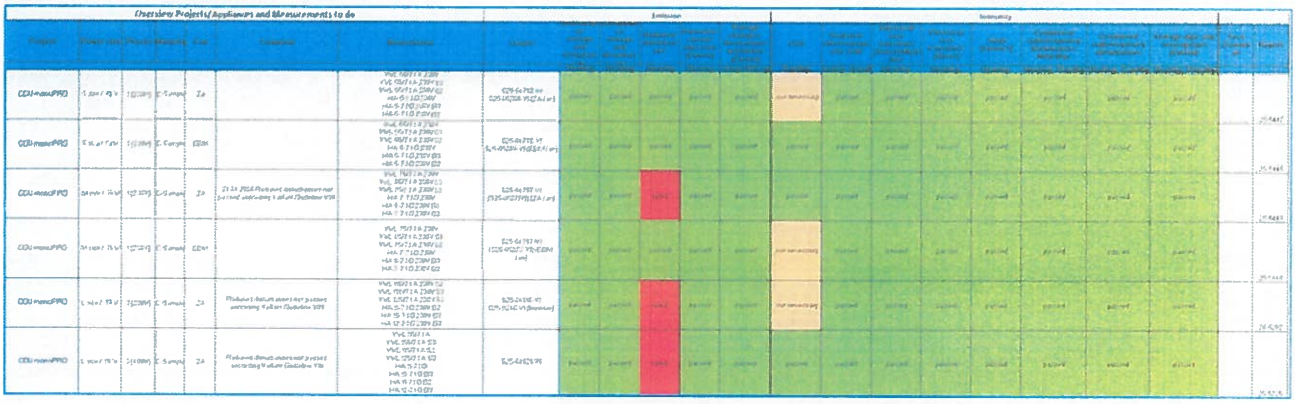
Subsequently, the test reports are evaluated, partly from the manufacturer's own laboratory, which is recognized by EMC Test NRW GmbH, and partly from the independent laboratory of EMC Test.

Component Matrix

	FAN					PUMP		INVERTER			HMU	IB		COMPRESSOR			CASING	
VARIANT	ZA 450mm	EBM 450mm	ZA 500mm	EBM 500mm	ZA 630mm	Grundfos UPM4 15-70	Taco 3GK 90	PF 1.7b	PF 2.7	PF 3.7	V272_C (HMU38)	V248_C 1ph	V248_C 3ph	SPB 220 Mitsu	SPB 280 Mitsu	WH-P13300 HIGHLY	1.105 x 455 x 750	1.170 x 450 x 1.103
ODU 5kW S1 230V aroTHERM pro 5KW S1 230V	X					X		X			X	X		X			X	
ODU 5kW S1 230V aroTHERM pro 5KW S1 230V		X				X		X			X	X		X			X	
ODU 7kW S1 230V aroTHERM pro 7kW S1 230V			X				X	X			X	X			X		X	
ODU 7kW S1 230V aroTHERM pro 7kW S2 230V				X			X	X			X	X			X		X	
ODU 11kW S1 230V aroTHERM pro 11kW S1 230V					X		X			X	X	X				X		X
ODU 11kW S1 400V aroTHERM pro 11kW S1 400V					X		X		X		X		X			X		X

Sheet 1 of the folder: "EMV Matrix_ODU MonoPRO_2026_04_24.xlsx" (Vaillant)

monoPRO EMC Matrix



Sheet 2 of the folder: "EMV Matrix_ODU MonoPRO_2026_04_24.xlsx" (Vaillant)

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Evaluation Report No. 024a/26-e

List of the evaluated variants

Based on the lists provided above and the test reports, the following matrix can be created.

The type „ODU monoPRO“ includes the following product group, consisting of:

Casing	designation	Brand	designation	Brand	Fan	Testreport V	Testreport EMC
S	**VWL 55/7.1 A 230V**	V	HA 5-7.1 O 230V	SD	EBM	25-5446-D01	P25-Z-00349-002
(230 V)	**VWL 55/7.1 A 230V**	V	HA 5-7.1 O 230V	SD	ZA	25-5447-D01	P25-Z-00349-004
	VWL 55/7.1 A 230V S2	V	HA 5-7.1 O 230V B2	SD	ZA/EBM	--	--
	VWL 55/7.1 A 230V S3	V	HA 5-7.1 O 230V B3	SD	ZA/EBM	--	--
M	**VWL 75/7.1 A 230V**	V	HA 7-7.1 O 230V	SD	EBM	25-5448-D01	P25-Z-00349-003
(230 V)	**VWL 75/7.1 A 230V**	V	HA 7-7.1 O 230V	SD	ZA	25-5449-D01	P25-Z-00349-005
	VWL 75/7.1 A 230V S2	V	HA 7-7.1 O 230V B2	SD	ZA/EBM	--	--
	VWL 85/7.1 A 230V S3	V	HA 8-7.1 O 230V B3	SD	ZA/EBM	--	--
L	VWL 115/7.1 A 230V S2	V	HA 11-7.1 O 230V B2	SD	ZA/EBM	--	--
(230 V)	**VWL 125/7.1 A 230V S3**	V	HA 12-7.1 O 230V B3	SD	ZA	26-0202-D01	P26-Z-00023-002
	VWL 155/7.1 A 230V S3	V	HA 15-7.1 O 230V B3	SD	ZA/EBM	--	--
L	VWL 115/7.1 A	V	HA 11-7.1 O	SD	ZA/EBM	--	--
(400 V)	VWL 115/7.1 A S2	V	HA 11-7.1 O B2	SD	ZA/EBM	--	--
	VWL 125/7.1 A S3	V	HA 12-7.1 O B3	SD	ZA	25-5725-D01	P26-Z-00004-001
	VWL 155/7.1 A S3	V	HA 15-7.1 O B3	SD	ZA/EBM	--	--

V: Vaillant
SD: Saunier Duval Brand Group (SDBG) is part of the Vaillant Group.
EMC: EMC Test NRW GmbH
ZA/EBM. Wahlweise ZA-fan oder EBM-Fan

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Evaluation Report No. 024a/26-e

Assessment

Each representatively selected variant has undergone all EMC tests, partly in the DAkkS-accredited laboratory of EMC Test NRW GmbH, partly in the laboratory of the Vaillant Group, which is recognized by the notified body of EMC Test NRW GmbH.
The tested EU-type has not been modified during the EMC tests and meets all the requirements taken into account without any restrictions (partially excluded from this is Vaillant's internal company standard, which is not taken into account for the evaluation).

Due to the similarity of the evaluated samples, the results of the tested samples can be applied for the entire product group.

Review

In total the EMC tests at one sample in conjunction with the technical specifications and declarations of the component manufacturers build a sufficient basis for an examination of the conformity of the sample with the essential requirements acc. to annex I of the EMC-Directive 2014/30/EU.

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Evaluation Report No. 024a/26-e

I. Emission aspects

The range of aspects is based upon the requirements of

EN IEC 55014-1:2021
Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 1: Emission

EN IEC 61000-3-2:2019 + A1:2021
Electromagnetic compatibility (EMC)
Part 3-2: Limits – Limits for harmonic current emissions (equipment input current = 16 A per phase)

EN 61000-3-12:2011 + A1:2024
Electromagnetic compatibility (EMC)
Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low-voltage systems with input current >16 A and ≤ 75 A per phase

EN 61000-3-3:2013 + A1:2019 + A2:2021 + A2:2021/AC:2022
Electromagnetic compatibility (EMC) – Part 3-3: Limits –Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <= 16 A per phase and not subject to conditional connection

EN IEC 61000-3-11:2019
Electromagnetic compatibility (EMC) – Part 3-11: Limits – Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems – Equipment with rated current ≤ 75 A and subject to conditional connection

a) Harmonic current emission

The tested EU-type complies with the corresponding requirements.
(The list of test reports can be found in the corresponding column in the respective table).

A violation of the essential requirements acc. to annex I of the EMC-Directive 2014/30/EU relating to this aspect is therefore not expected.

b) Voltage changes, fluctuations and flicker

The tested EU-type complies with the corresponding requirements.
(The list of test reports can be found in the corresponding column in the respective table).

A violation of the essential requirements acc. to annex I of the EMC-Directive 2014/30/EU relating to this aspect is therefore not expected.

c) Disturbance voltage (150 kHz – 30 MHz)

The tested EU-type complies with the corresponding requirements.
(The list of test reports can be found in the corresponding column in the respective table).

A violation of the essential requirements acc. to annex I of the EMC-Directive 2014/30/EU relating to this aspect is therefore not expected.

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d) Disturbance current (150 kHz – 30 MHz)

The tested EU-type complies with the corresponding requirements.
(The list of test reports can be found in the corresponding column in the respective table).

A violation of the essential requirements acc. to annex I of the EMC-Directive 2014/30/EU relating to this aspect is therefore not expected.

e) Disturbance radiation (30 MHz – 1000 MHz)

The tested EU-types comply with the corresponding requirements.
(The list of test reports can be found in the corresponding column in the respective table).

A violation of the essential requirements acc. to annex I of the EMC-Directive 2014/30/EU relating to this aspect is therefore not expected.

II. Immunity aspects

The range of aspects is based upon the requirements of

EN IEC 55014-2:2021
Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 2: Immunity
here: Category V

a) Electrostatic discharges (ESD)

The tested EU-types comply with the corresponding requirements
(The list of test reports can be found in the corresponding column in the respective table).

A violation of the essential requirements acc. to annex I of the EMC-Directive 2014/30/EU relating to this aspect is therefore not expected.

b) Radiated, radio-frequency, electromagnetic fields (80 MHz – 1000 MHz)

The tested EU-types comply with the corresponding requirements
(The list of test reports can be found in the corresponding column in the respective table).

A violation of the essential requirements acc. to annex I of the EMC-Directive 2014/30/EU relating to this aspect is therefore not expected.

c) Electrical fast transient (EFT/Burst)

The tested EU-types comply with the corresponding requirements
(The list of test reports can be found in the corresponding column in the respective table).

A violation of the essential requirements acc. to annex I of the EMC-Directive 2014/30/EU relating to this aspect is therefore not expected.

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d) Surge

The tested EU-types comply with the corresponding requirements
(The list of test reports can be found in the corresponding column in the respective table).

A violation of the essential requirements acc. to annex I of the EMC-Directive 2014/30/EU relating to this aspect is therefore not expected.

e) Conducted disturbances, induced by radio-frequency fields

The tested EU-types comply with the corresponding requirements
(The list of test reports can be found in the corresponding column in the respective table).

A violation of the essential requirements acc. to annex I of the EMC-Directive 2014/30/EU relating to this aspect is therefore not expected.

f) Voltage dips, short interruptions and voltage variations

The tested EU-types comply with the corresponding requirements
(The list of test reports can be found in the corresponding column in the respective table).

A violation of the essential requirements acc. to annex I of the EMC-Directive 2014/30/EU relating to this aspect is therefore not expected.

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Evaluation Report No. 024a/26-e

Intended use / usage restrictions

The statement of the notified body based on this technical report is valid until any relevant document, act or harmonised standard changes in relevant matters concerning the assessment of essential requirements after the issue of this statement.

This technical report is valid for the present EU-type and identically constructed series production devices. The essential requirements of the EMC-Directive 2014/30/EU are only fulfilled on the following conditions:

a) To ensure compliance with the essential requirements of EMC-Directive 2014/30/EU operation-, maintenance- and installation-instructions shall be provided, which enable the user to operate the apparatus as intended by the manufacturer and in compliance with the essential requirements.

b) For series production appropriate methods shall assure that the electromagnetic compatibility of the series production devices is not significantly reduced compared with the tested sample, which may cause a violation of the essential requirements.

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