



# Assessment Protocol

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## Foreword

Dear Readers,

The present test report documents the applied testing procedures and the resulting evaluation criteria in a systematic and comprehensible manner. The objective of this document is to present the parameters used for assessment and to place their weighting within a methodological context in order to enable an objective evaluation of products.

The underlying testing framework is based on recognized models of product evaluation, which pursue both deductive and inductive approaches to analysis. Specific product features are examined, quantified through practical application, and the obtained data are compared against predefined benchmarks. This methodological foundation rests on the principle that a valid evaluation must take into account both objective parameters and subjective usage impressions in order to approximate real consumer experiences.

The evaluations are therefore derived from the PM procedure, which qualifies itself through the precise assessment of criteria and their relative weighting. This weighting reflects the relevance of individual aspects, based on their influence on market success and consumer acceptance. Reliability, objectivity, and transferability of the collected data to other products and usage environments remain at the center of the analysis.

Another essential component of this report is the explicit recording of interactions between different parameters. These interdependencies are carefully documented, as they provide deeper insights into product performance within specific parameter clusters. This, in turn, allows for a holistic perspective that extends beyond isolated evaluations and highlights the complexity of product assessment.

It should also be noted that the present analysis incorporates practice-oriented tests designed to replicate realistic usage scenarios. The collected data are applied to evaluate both strengths and weaknesses, which are then interpreted within a multidimensional framework to ensure comparability across different product types.

The subsequent analysis thus delivers a detailed breakdown of testing criteria, parameter weightings, and evaluation methodology. This structure ensures that all models and empirical findings are transparently documented.

Yours sincerely,  
**The Prüfmagazin Team**

## 2 | Assessment Report: Test Results and Grading Scale

Product	Radiator Booster Duo Set
Brand	SpeedComfort
License Number	2601000755
Category	Home & Living

Score Distribution – Evaluation Areas	Total Score	Maximum Score
Product-Specific Characteristics	87	100
Usage and Safety	97	120
Customer Perception and Service	64	80
Total	248	300
<b>Percentage</b>	<b>83%</b>	

Assessment Result	Rating	Overall Grade
	<b>GOOD</b>	<b>1.8</b>

Valid from **2026-01-29**  
 Valid until **2027-01-29**  
 Initial certification **2026-01-29**

  
**Prüfmagazin**  
**Center for Qualified Purchase Decisions**  
**Authorized by Quality Control – Laboratory Management**

The conformity of the tested product has been verified and certified in accordance with the assessment standards of the PM procedure.

**Grading Scale**

Assessment	Score	Grade	Percentage
<b>excellent</b>	100-95	1,0 - 1,2	100 - 95%
<b>very good</b>	94 - 85	1,3 - 1,7	94 - 85%
<b>good</b>	84 - 75	1,8 - 2,4	84 - 75%
<b>satisfactory</b>	74 - 65	2,5 - 3,4	74 - 65%
<b>sufficient</b>	64 - 50	3,5 - 4,4	64 - 50%
<b>insufficient</b>	49 - 0	4,5 - 5,0	49 - 0%

### 3 | Assessment Report: Evaluation of Test Parameters

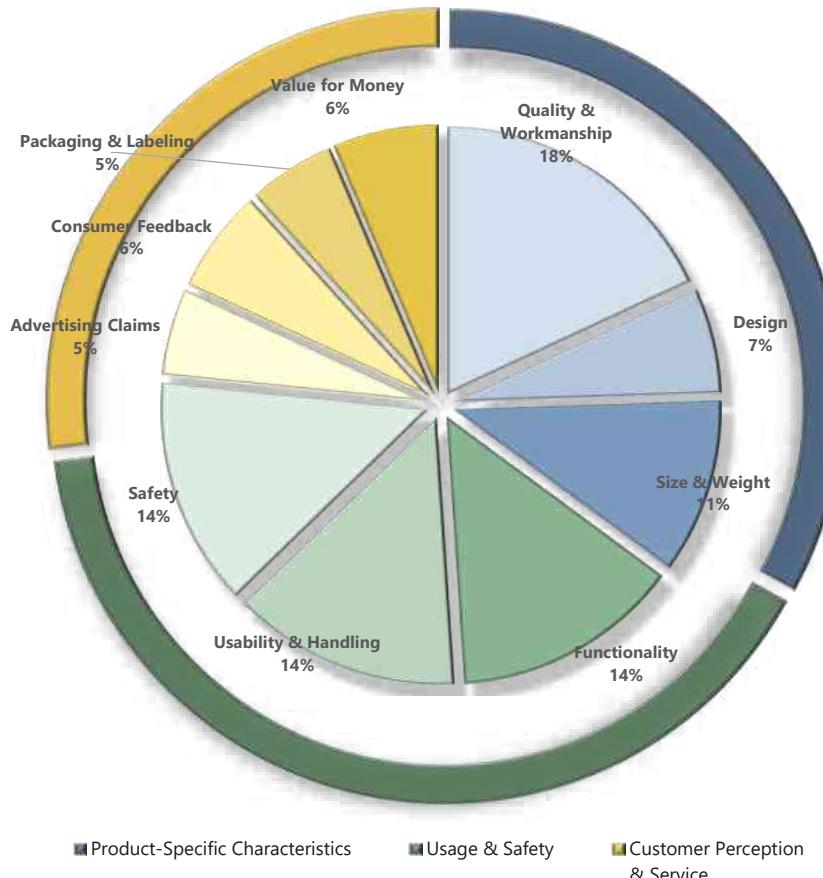
#	Evaluation Area	Definition – Evaluation Area & Test Parameter	Overall Share	Maximum Score	Achieved Score	in %
<b>A</b>	<b>Product-Specific Characteristics</b>	Examines the physical characteristics and craftsmanship of a product. Both material quality and visual design are analyzed.	33%	100	87	87%
1	Quality & Workmanship	This evaluation assesses material quality and workmanship regarding robustness and precision. Focus lies on seams, processing, and surfaces to determine durability and manufacturing accuracy.	17%	50	44	88%
2	Design	Optical properties include color stability, shape, and overall design. Consistency, workmanship, signal effect, creative design, and visual harmony with intended use are reviewed.	7%	20	16	80%
3	Size & Weight	Physical dimensions and weight are tested for ergonomic handling and suitability for daily use. Durability and transport safety are examined under defined usage and environmental conditions.	10%	30	27	90%
<b>B</b>	<b>Usage &amp; Safety</b>	How a product performs in everyday use and meets required safety standards. Ease of use is considered as much as risk minimization.	40%	120	97	81%
4	Functionality	The test examines reliable functionality in terms of performance, durability, and consistency. It evaluates whether expected results are achieved and ensures safe, fault-free operation without quality loss.	13%	40	33	83%
5	Usability & Handling	Usability and practical purpose are assessed. Intuitive handling, suitability for typical applications, user experience, and clarity of operation are analyzed.	13%	40	34	85%
6	Safety	Testing occurs under normal and extreme conditions. Compliance with relevant standards, risk awareness, and reduction of hazards during use are key criteria.	13%	40	30	75%
<b>C</b>	<b>Customer Perception &amp; Service</b>	Customer orientation and the perceived value of a product. Focus is on how production quality aligns with customer expectations.	27%	80	64	80%
7	Advertising Claims	Evaluation considers whether the product's features and performance meet real-life expectations. Claimed advantages are compared with measurable outcomes.	5%	15	12	80%
8	Consumer Feedback	Design, scope, and perceived usefulness are reviewed from a consumer viewpoint. Strengths and weaknesses are highlighted based on practical relevance.	7%	20	16	80%
9	Packaging & Labeling	Packaging, labeling, workmanship, and materials are reviewed for quality, clarity, and accuracy. Certification and brand reputation enhance the product's perceived value.	5%	15	13	87%
10	Value for Money	The product's price-performance ratio is assessed. The justification of its price is reviewed through both objective and perceived value.	10%	30	23	77%

**Please note:**

The evaluation results are based on comprehensive and practice-oriented tests in which products and services are assessed and analyzed using quantifiable measurement outcomes. These are not long-term studies or laboratory experiments but rather application-driven tests reflecting real usage experiences. Our assessments reflect the expertise of our product testers and are established on the basis of well-founded analyses. While we strive to provide objective and fair evaluations, they should not be regarded as a complete assessment of all aspects of a product.

The analyses take into account both subjective impressions and objective facts obtained through the observations of our test experts. Our testing methods have been carefully developed to deliver reliable and transparent outcomes. However, no guarantees are given regarding absolute accuracy or completeness. The reports are based primarily on the manufacturer's information and the tests conducted, which means that the results also relate to the advertised features and functions of the products. The objective is to provide consumers with clear and comprehensible information through a serious and reliable testing process, thereby assisting them in making informed purchasing decisions.

## 4 | Systematic Weighting of Test Parameters



### Evaluation Areas and Scale

The graphical presentation illustrates the percentage weighting of the test parameters defined by the PM Standard for product assessment. This standard establishes clear criteria to examine all relevant aspects in a systematic and objective manner. The parameters are grouped into three principal evaluation areas.

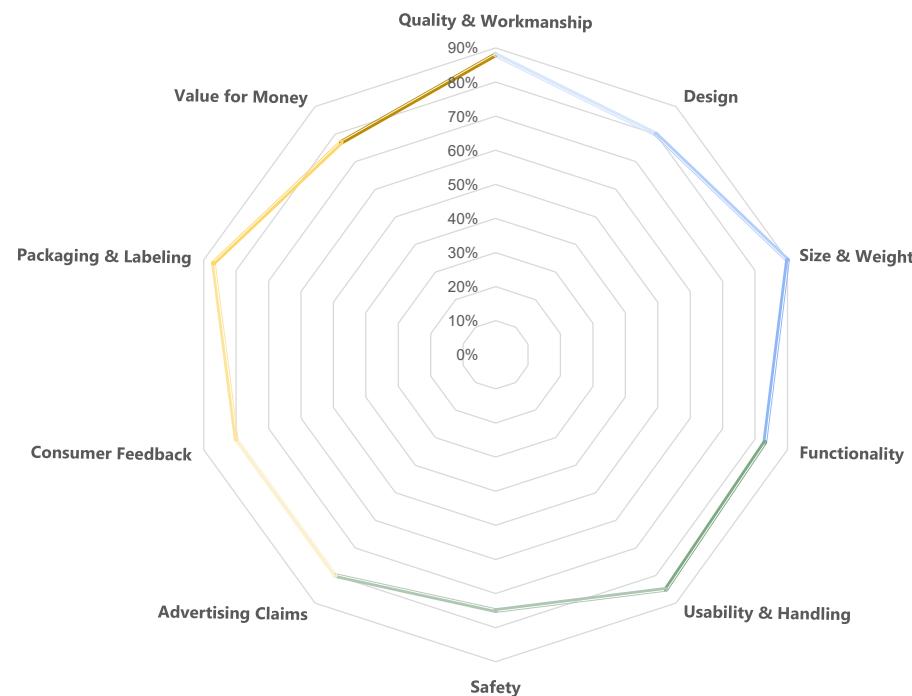
**Product-Specific Characteristics** include the parameters Quality & Workmanship, Design, as well as Size & Weight. These aspects are particularly significant, as they capture the essential attributes of a product that largely determine both its usability and durability. For this reason, this area accounts for 30% of the overall weighting, with Quality & Workmanship assigned the highest proportion.

The area of **Usage & Safety** covers the parameters Functionality, Usability & Handling, and Safety. These ensure that a product is not only appealing in appearance but also safe and effective in everyday use. With a total weighting of 40%, this area reflects its critical importance: the safety and practical applicability of a product are decisive for consumer acceptance.

Finally, **Customer Perception & Service** encompasses the parameters Advertising Claims, Consumer Feedback, Packaging & Labeling, and Value for Money. These provide an indispensable complement, as they capture the expectations and experiences of consumers and directly influence the overall assessment. The emphasis lies on the consistency between manufacturer claims and actual product performance, as well as on overall customer satisfaction. In total, this area contributes 30% to the final score.

Through the PM Standard, a weighting based on relevance is ensured, combining objective quality criteria with subjective consumer experiences and thereby offering a sound foundation for decision-making.

## 5 | Visual Representation of Quantitative Factors



The **spider diagram** visualizes the multidimensional assessment of a product based on specific test parameters plotted across defined axes. It provides a comprehensive overview of performance indicators, illustrating their relative importance as weighted by the PM Standard. The extensions of the values on each axis reflect the achieved scores and thereby highlight product strengths and weaknesses. The resulting polygon offers an intuitive overall impression of the distribution of strengths and areas for improvement.

**Symmetrical shapes indicate a balanced profile**, whereas noticeable deviations point to potential areas for optimization. The diagram thus enables a differentiated evaluation of quality features, allowing for targeted recommendations in strategic product development. By condensing complex evaluation data into a clear format, it delivers valuable insights into product quality and avenues for improvement.

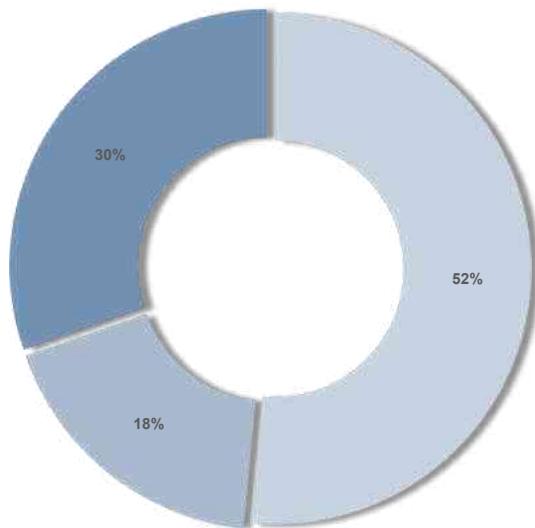
The **spider diagram** does not merely permit direct comparisons between different parameters but also accentuates whether a product demonstrates pronounced strengths or weaknesses. A uniformly filled polygon suggests a well-balanced product, while asymmetries signal weaknesses in particular areas or highlight concrete optimization needs.

This **visual representation simplifies the analysis** of product performance by making the results instantly accessible. Products with high values across most axes show clear overall strength, while drops in certain areas generate actionable recommendations for improvement. Ultimately, the diagram consolidates findings into a strategic product profile and provides a foundation for informed decisions in product development and market positioning.

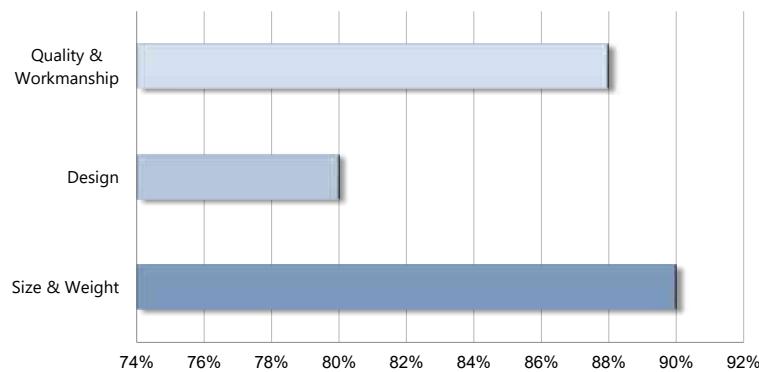
## 6.A | Evaluation Area: Product-Specific Characteristics

Percentage Distribution of the Evaluation Area

■ Quality & Workmanship ■ Design ■ Size & Weight



Test Results – Evaluation Area as per Test Report



### Quality & Workmanship

#### Strengths

Precisely engineered PC ABS housing with balanced 12 V DC brushless fans cleanly moulded air inlets reinforced connector sockets with strain relief vibration damped bearings maintain silent balance temperature probe rated 85 C long term low noise performance confirmed under continuous runtime

#### Weaknesses

Housing wall relatively thin and slightly flexible under pressure missing printed insulation or IP safety rating on the module casing

### Design

#### Strengths

Flat concealed geometry allowing under radiator installation modular plug system for scalable extension integrated LED status lens flush with housing neutral satin white finish matching standard radiators streamlined duct paths ensure laminar air guidance with minimal turbulence

#### Weaknesses

Purely functional appearance lacking decorative finish LED indicator visible in dark ambient conditions

### Size & Weight

#### Strengths

Compact 34 x 7 x 4 cm footprint fits 70 to 120 cm radiators weight under 350 g per module prevents strain low profile under 5 cm enables hidden placement scalable layout retains symmetry across units lightweight design eases handling and cleaning

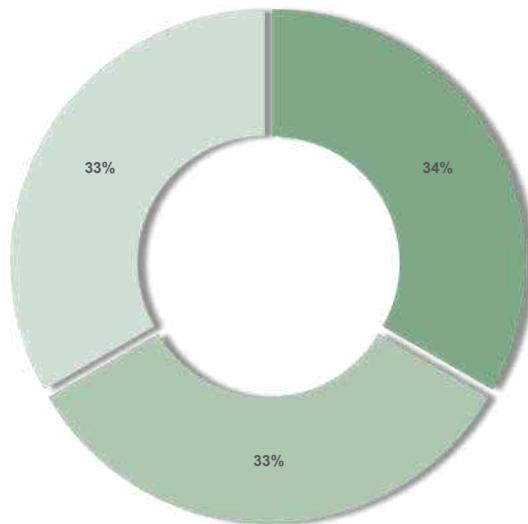
#### Weaknesses

Extra wide radiators above 130 cm require additional modules Duo Set alone cannot supply sufficient airflow for large surface convectors

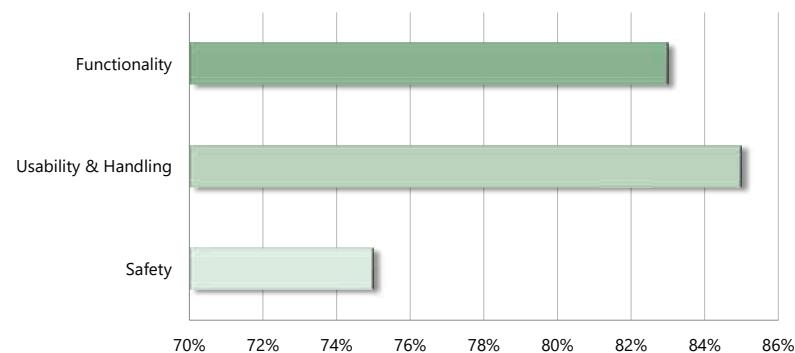
## 6.B | Evaluation Area: Usage & Safety

**Percentage Distribution of the Evaluation Area**

■ Functionality ■ Usability & Handling ■ Safety



**Test Results – Evaluation Area as per Test Report**



### Functionality

#### Strengths

Thermostat activates fans automatically at about 33 C surface temperature improves convective mixing twenty percent faster than passive heating airflow around 30 m<sup>3</sup> per hour per unit acoustic output below 20 dB power draw under one watt hour stable performance in low temperature systems

#### Weaknesses

Sensor reacts slowly on radiators with delayed heating no manual override or variable speed control available

### Usability & Handling

#### Strengths

Tool free magnetic installation plug and play wiring detachable thermostat probe flexible position easy cleaning suitable for retrofit on most panel radiators magnetic base pads align automatically under fins

#### Weaknesses

Magnet adhesion weaker on enamelled or curved radiator types cable routing for multiple units requires careful positioning

### Safety

#### Strengths

Low voltage 12 V DC design removes shock risk shielded fan blades prevent contact hazard thermal cutoff stops idle operation power supply protected against overload and short circuit wiring insulation heat resistant above 90 C

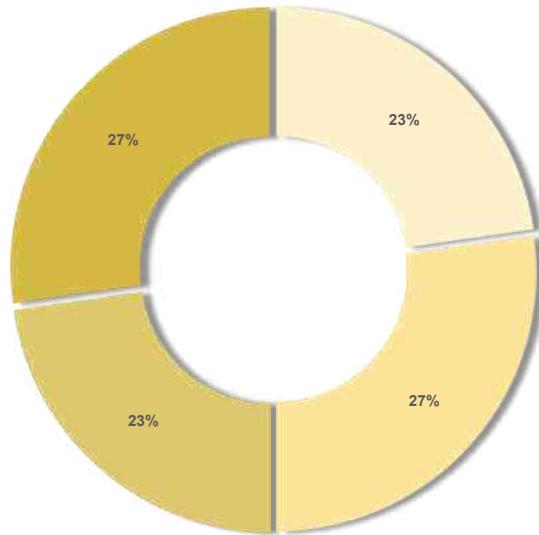
#### Weaknesses

No CE or IP rating printed on the unit fuse and insulation values not documented in manual

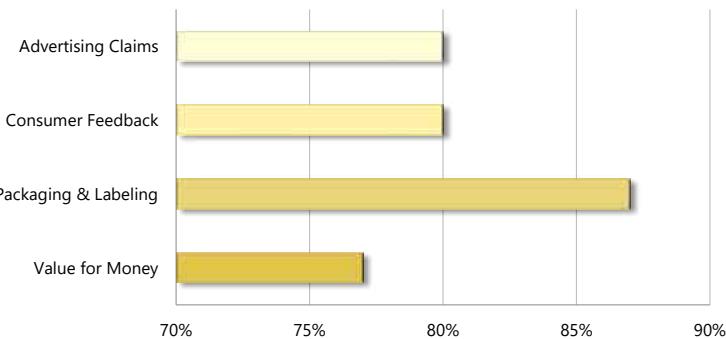
## 6.C | Evaluation Area: Customer Perception & Service

### Percentage Distribution of the Evaluation Area


  
 Advertising Claims  
 Consumer Feedback  
 Packaging & Labeling  
 Value for Money



### Test Results – Evaluation Area as per Test Report



### Advertising Claims

#### Strengths

Majority of verified users note very quiet running faster warming simple setup responsive service long term durability Duo Set seen as effective supplement for improving radiator efficiency

#### Weaknesses

Efficiency claim up to twenty two percent not verifiable result depends on radiator type and room condition

### Consumer Feedback

#### Strengths

Majority of verified users note very quiet running faster warming simple setup responsive service long term durability Duo Set seen as effective supplement for improving radiator efficiency

#### Weaknesses

Isolated reports of sensors not triggering or transport damage but no systematic product defect

### Packaging & Labeling

#### Strengths

Sturdy double wall carton with sensor compartment pictogram quick start guide printed serial and batch code QR link to manual shock resistant inserts clear manufacturer identification

#### Weaknesses

No recycling or eco mark on box manual only in German and English

### Value for Money

#### Strengths

Very low power use under one kilowatt hour per year durable DC fan operation effective coverage up to fifteen square metres fair retail price solid efficiency to cost balance for continuous heating use

#### Weaknesses

Large radiators need expansion sets increasing total cost lack of speed control reduces premium flexibility