



1. TITLE OF THE CERTIFICATE (DE) (1)

**Abschlussprüfung / Gesellenprüfung im staatlich anerkannten Ausbildungsberuf  
Anlagenmechaniker/ Anlagenmechanikerin für Sanitär-, Heizungs- und Klimatechnik**

(1) in original language

2. TRANSLATED TITLE OF THE CERTIFICATE (EN)(1)

**Final examination / journeyman's examination in the state-recognized training occupation  
Plant mechanic for sanitary, heating and air conditioning systems (m/f)**

(1) This translation has no legal status.

3. PROFILE OF SKILLS AND COMPETENCES

- Process orders in a customer-oriented manner, plan and control work processes
- Monitor and assess results and apply quality assurance systems
- Repair and maintain operating equipment
- Install and dismantle supply engineering plants and systems, conduits and piping, ducts and components for supply engineering plants and systems
- Carry out insulation, sealing and protective measures
- Produce electrical connections for supply engineering plants and systems and install and test electrical subassemblies and components in supply engineering plants and systems
- Install and measuring systems, open and closed loop control systems, safety and monitoring equipment and set index values for such systems and equipment
- Test, adjust, optimise and maintain the functionality of supply engineering plants and systems
- Commission supply engineering plants and systems, deliver supply engineering plants and systems to the customer and instruct the customer in the operation of such plants and systems
- Maintain supply engineering plants and systems
- Conduct inspections, maintenance and repair of supply engineering plants and systems
- Advise and support customers with regard to products and services offered by the company according due consideration to environmental and economic aspects
- Accord due consideration to sustainable energy and water use systems
- Work with English language documentation and use specialist English language terminology.

4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE (1)

Plant mechanic for sanitary, heating and air conditioning systems work in the installation and maintenance of complex supply engineering systems.

(1) if applicable

(\*) **Explanatory notes**

This document is designed to provide additional information about the specified certificate and does not have any legal status in itself. The format of the description is based on the following texts: Council Resolution 93/C 49/01 of 3 December 1992 on the transparency of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency of vocational training certificates, and Recommendation 2001/613/EC of the European Parliament and of the Council of 10 July 2001 on mobility within the Community for students, persons undergoing training, volunteers, teachers and trainers.

More information on transparency is available at: [www.europass.cedefop.eu.int/transparency](http://www.europass.cedefop.eu.int/transparency)

## 5. OFFICIAL BASIS OF THE CERTIFICATE

<p><b>Name and status of the body awarding the certificate</b></p> <p>Chamber of Crafts and Trades, Chamber of Industry and Commerce</p>	<p><b>Name and status of the national/regional authority providing accreditation/recognition of the certificate</b></p> <p>Chamber of Crafts and Trades, Chamber of Industry and Commerce</p>
<p><b>Level of the certificate (national or international)</b></p> <p>ISCED 3B  German Qualifications Framework (DQR) level 4 (alignment is preliminary pursuant to "German Qualifications Framework for Lifelong Learning" - German EQF - Referencing report of 15 November 2012). Published by: Federal Ministry of Education and Research (BMBF), Berlin and Bonn; Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany (Conference of the Ministers of Education and Cultural Affairs - KMK), Berlin)</p>	<p><b>Grading scale / Pass requirements</b></p> <p>100-92 points = 1 = excellent  91 - 81 points = 2 = good  80 - 67 points = 3 = average  66 - 50 points = 4 = pass  49 - 30 points = 5 = poor  29 - 0 points = 6 = fail</p> <p>A total of at least 50 grade points are required to pass the examination.</p>
<p><b>Access to next level of education / training</b></p> <p>Certified energy networks foreman, craft trades qualifications: master craftsman qualification in heating installation and construction, industrial qualifications: certified industrial foreman in pipeline network construction and operation</p>	<p><b>International agreements</b></p> <p>In the field of vocational training, joint declarations on the comparability of qualifications obtained in the respective vocational training systems have been signed on the basis of bilateral agreements concluded between Germany and France and between Germany and Austria.</p>
<p><b>Legal basis</b></p> <p>Ordinance on Initial Vocational Education and Training in the Occupation of Plant mechanic for sanitary, heating and air conditioning systems (m/f) of 06/24/2003 (Federal Law Gazette, Part I, p 1012) Resolution of the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany, KMK, of 16.05.2003), (Federal Gazette, No 3a of 07.01.2004)</p>	

## 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

<p>Final examination administered by the competent body:</p> <ol style="list-style-type: none"> <li>1. after completion of dual training in a company and at part-time vocational school (normal procedure)</li> <li>2. after retraining in a recognized training occupation</li> <li>3. as an external examination for working people without formal vocational qualifications or persons who have been trained at full-time vocational schools or other vocational training institutions</li> </ol>
<p><b>Additional information</b></p> <p><b>Entry requirements:</b> Entry requirements are not governed by legislation; as a rule, young people are admitted after completing (nine or ten years of) general education.</p> <p><b>Duration of training:</b> 3,5 years.</p> <p><b>Training in the "dual system":</b>  Teaching of the knowledge, skills and competences needed for an occupation is based on the typical requirements of work and business processes and prepares the trainees for a specific job. <b>The training is provided in a company and at part-time vocational school:</b> In the company, the trainees acquire practical skills in a real working environment. On one or two days per week, the trainees attend part-time vocational school, where they are taught general and vocational knowledge related to their training occupation.</p> <p><b>More information</b> is available at:  <a href="http://www.berufenet.arbeitsagentur.de">www.berufenet.arbeitsagentur.de</a></p> <p><b>National Europass Centre</b>  <a href="http://www.europass-info.de">www.europass-info.de</a></p>