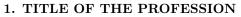
europass



4 0732 07 02 Hűtő- és szellőzésrendszer-szerelő

## 2. TRANSLATED TITLE OF THE PROFESSION

Cooling and ventilation system fitter (THIS TRANSLATION HAS NO LEGAL STATUS)

### 3. PROFILE OF SKILLS AND COMPETENCES

- place great emphasis on the acquisition and correct use of knowledge of electrical engineering, control and regulation;
- install, assemble, operate and maintain refrigeration, air-conditioning, heat pump and ventilation systems on the basis of a specialised design drawn up by the designer;
- apply environmentally sound engineering practices;
- know and use correctly the systems and components, and follow the installation and mounting instructions of the equipment;
- make welded, soldered, pressed and other various types of joints, as well as individual duct elements, shapes, branches, brackets, fasteners and supports;
- check the tightness of pipe joints, to which they can apply thermal and corrosion insulation;
- correct errors that occur during commissioning or operation.

## 4. RANGE OF OCCUPATIONS ACCESSIBLE TO THE HOLDER OF THE CERTIFICATE

7521 Plumber and pipe fitter

7522 Ventilation, cooling and air-conditioning equipment fitter

#### (\*) Explanatory notes:

<sup>1</sup> In the original language.  $|^{2}$  The translation of the designation is provided for information purposes only.  $|^{3}$  Fill it out if necessary. The certificate supplement provides additional information on the qualification but have no legal value in itself. The format of the description is in conformity with Decision (EU) 2018/646 of the European Parliament and of the Council of 18 April 2018 on a common framework for the provision of better services for skills and qualifications (Europass) and repealing Decision No 2241/2004/EC.

©European Union, 2002-2020 | europass.cedefop.europa.eu ${}^{\odot}$ 

Name and status of the authority issuing the certificate	Name and status of the national /regional providing accreditation/recognition of the cert Ministry for Innovation and Technology	
Level of the certificate (national or international)	Grading scale / Pass requirements	
NQF level: 4	Five -grade: 5 excellent	
EQF level: 4	4 good	
	3 satisfactory	
Digital Competence Framework level: 5	<ul> <li>2 pass</li> <li>1 fail</li> <li>The prerequisite of being eligible to sit for a sectoral basic is the successful completion of all the required training correcognised prior learning should incorporate the required</li> </ul>	ourses, or the ments of the
	sectoral basic examination. The prerequisite of being eligi a vocational examination is the successful completion of all courses and the uninterrupted professional practice requi the student is required to pass a sectoral basic examination be recognised with the following weighting: The result of the basic sectoral examination will be compu of the vocational examination with the following weight basic examination: 10%, Vocational examination: 90%	l the training red. In case n, latter shall ted into that
Certificate number: CXK A	Designation of the theoretical and practical subjects of the sectoral basic examination and the vocational examination and their grades according to a five-grade scale	
Serial number: 123456	Sectoral basic examination : The examination was passed based on recognised prior learning	
Certificate issue date: 2023.12.07	Vocational examination	
	central interactive Cooling and ventilation knowledge	- F
	project exercise	5
	Cooling and ventilation knowledge in practice	5
	Examination part A): Portfolio	5
	Examination part B): Project task	5
	Result of the vocational examination in percentage	100%
	Result of the vocational examination with grades	5
Access to next level of education/training	International agreements	
Other information concerning the vocational training	process	

Act LXXX of 2019 on Vocational Education and Training.

# 6. OFFICIALLY RECOGNISED WAYS OF ACQUIRING THE CERTIFICATE

Description of the sectoral basic training and the theoretical and practical vocational training	Distribution of the total number of hours of the programme
Total duration of the education/training	2078 hours
Entry requirements:	
- Educational prerequisite: elementary education	
- Occupational health aptitude test: required	
Further information:	
VOCATIONAL PRACTICAL SUBJECT	HOURS
Introduction to electronics	12 hour
Introduction to building engineering I	12 hour
Technical drawing skills	12 hour
Building engineering measurements I	12 hour
Building engineering piping systems	12 hour
Refrigeration engineering systems I	12 hour
Refrigeration engineering systems II	12 hour
Electrical fitting	12 hour
Ventilation engineering I	12 hour
Ventilation engineering II	12 hour
Introduction to building engineering II	12 hour
Building engineering measurements II Building engineering design documentation and work	12 hour
management	12 hour
VOCATIONAL THEORETICAL SUBJECT	HOURS
Vocational knowledge	12 hour
Vocational foreign language knowledge	12 hour
Introduction to electronics	12 hour
Introduction to building engineering I	12  hour
Technical drawing skills	12 hour
Refrigeration engineering systems I	12 hour
Refrigeration engineering systems II	12 hour
Electrical fitting	12 hour
Ventilation engineering I	12 hour
Ventilation engineering II	12 hour
Introduction to building engineering II	12 hour
Building engineering measurements II Building engineering design documentation and work	12 hour
management	12 hour
Continuous field practice	160 hour
Altogether	472 hour

Link to the Programme and Outcome Requirements and the Programme Curriculum: https://ikk.hu The present certificate supplement was elaborated in compliance with Government Decree 12/2020 (II. 7.) on the implementation of the Act on Vocational Education and Training.

National Reference Point: National Office of Vocational Education and Training and Adult Learning: https://nrk.nive.hu

Head of Examination Organiser: Issue date: 2023.12.07

 $\mathbf{SEAL}$