



### 1. Title of the certificate – Yrkeshögskoleexamen <sup>1</sup>

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Refrigeration and heat pump technician

### 2. Translated title of the certificate – Higher Vocational Education Diploma <sup>2</sup>

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Kyl- och värmepumpstekniker

### 3. Knowledge, Skills and Competence Profile

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The holder of the certificate has:

Knowledge of various processes related to refrigeration and heat pump technology, as well as different types of heating systems.

Knowledge of industry terminology and overall system understanding related to refrigeration, ventilation, and electrical engineering.

Knowledge of pressure testing, periodic inspections, leak detection, and reporting to relevant authorities

Knowledge of calculations based on cooling and heating requirements.

Knowledge of drawing standards.

Knowledge of different reporting methods, as well as written and oral communication in English, including technical manuals.

Knowledge of energy solutions, energy sources, energy technologies, and heating sources.

Knowledge of different types of climate and piping systems, room coolers, and heat pumps.

Knowledge of laws, standards, and regulations applicable to the industry.

Skills to independently plan, analyze, and implement various renewable energy solutions.

Skills to independently identify, plan, analyze, and commission different refrigeration and heat pump units.

Skills to independently perform troubleshooting and maintenance in both cooling and heating systems, as well as design and size complete refrigeration and heating systems.

Skills to independently read, interpret, and apply industry-relevant drawings and technical manuals in Swedish and English.

Skills to independently communicate in English with customers, suppliers, and colleagues, both in writing and orally.

Competence to independently work with different types of pumps and units in refrigeration and heat pump systems.

Competence to independently design and select materials and units best suited to current conditions.

Competence to independently assess and justify alternative system solutions based on aspects related to environment, availability, service, and operational reliability.

### 4. Range of occupations accessible to the holder of the certificate <sup>3</sup>

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Refrigeration and heat pump technician, cooling and heating installation technician, refrigeration technician/ refrigeration fitter, heat pump technician/ heat pump installer.

<sup>1</sup> In the original language. | <sup>2</sup> If applicable. This translation has no legal status. | <sup>3</sup> If applicable.

## 5. Official basis of the certificate

### Name and address of the awarding institution

Lernia Utbildning AB  
Box 787  
801 29 Gävle

### Authority providing accreditation / recognition of the certificate

The Swedish National Agency for Higher Vocational Education  
Box 145  
721 05 Västerås, Sweden  
[www.myh.se](http://www.myh.se)

### Level of the certificate (national or European) <sup>1</sup>

Level 5 in the National Qualifications Framework (SeQF)  
Level 5 in the European Qualifications Framework (EQF)

### Grading scale / Pass requirements

Fail (icke godkänt – IG)  
Pass (Godkänt – G)  
Pass with distinction (Väl godkänt – VG)

### Access to next level of education / training <sup>1</sup>

### International agreements on recognition of qualifications <sup>1</sup>

The Higher Vocational Certificate requires a minimum of a Pass (Godkänt) in all courses.

### Legal basis

A Higher Vocational Education Certificate is awarded if the study programme comprises a minimum of 200 Higher Vocational Education credits (HVE credits). Five HVE credits correspond to one week of full-time studies.

## 6. Officially recognised ways of acquiring the certificate

Description of vocational education and training	Percentage of total programme (%)	Duration (/weeks)
College/education centre	75 %	60 weeks
Placement – learning in a work environment	25 %	20 weeks
Total duration of the education / training leading to the certificate		80 weeks

## 7. Additional information

### Entry requirements <sup>1</sup>

Entry requirement is successful completion of upper secondary education.

### More information (including a description of the national qualifications system)

For more information on higher vocational education, please visit the website of the Swedish National Agency for Higher Vocational Education: [www.myh.se](http://www.myh.se)

### National Europass Centre

[National Europass Centres | Europass](#)

<sup>1</sup> If applicable.