

# CERTIFICATION NF 414

## HEAT PUMPS



Heat Pumps

[www.marque-nf.com](http://www.marque-nf.com)

### Price list 2017

In accordance with the NF 414

(The indicated price lists are tax-free and are to be increased by the rate of current VAT)

*Version of 23/02/2017*

### Applicable fees and Terms of payment

## 1. APPLICABLE FEES

### 1.1. FEES FOR OBTAINING CERTIFICATION (in € EXCL VAT)

Ref	SERVICES	RATE
412	<b>ENTRANCE FEE</b>	1650
<b>EXAMINATION OF THE APPLICATION FILE<sup>(2)</sup></b>		
111	+ By range	1485
112	- Discount in case of Brand Name (distributor...), by range	330
812	+ Additional instruction time, whenever necessary, per hour	165
812	<b>PRELIMINARY STUDY TO APPLICATION</b> (option, 4 h min., upon request)	660

(1) Management fees are charged at the minimum rate. However, additional fees may be charged on the basis of EUROVENT CERTITA CERTIFICATION's hourly fee, in case of review or additional technical assistance necessary to process an application.

<b>INITIAL AUDIT ON PRODUCTION SITE, PER APPLICANT</b>		
311	<u>Package Area 1<sup>(2)</sup></u> : (including the preparation, the audit performance, the report, the follow-up of corrective action, the time of travel and the sampling, if applicable) (Additional stay and travel fees not included)	3960
312	<u>Package Area 2<sup>(2)</sup></u> : (including the preparation, the audit performance, the report, the follow-up of corrective action, the time of travel and the sampling, if applicable) (Additional stay and travel fees not included)	4785
313	<u>Package Area 3<sup>(2)</sup></u> : (including the preparation, the audit performance, the report, the follow-up of corrective action, the time of travel and the sampling, if applicable) (Additional stay and travel fees not included)	5435
314	Additional time, if applicable, per hour	165
399	- Discount in case of factory of tanks or cylinders only, or for an assembly site only	495
341	Travel expenses are based on actual cost, with an 11% service charge	Real / 0.89
371	<b>ADDITIONAL CHECKING :</b> Checking of corrective action plan following non-conformities found	Included

(2) Geographical Area are defined on chapter 4.2.3 Certification manual for NF programs managed by EUROVENT CERTITA CERTIFICATION. During the audit of several ranges, audit time can be increased, minimum ½ day, audit cost will then be increased by the applicable hourly fee.

A non-cumulative discount per applicant/holder per programme on the price, is applicable in any of the following cases:

- Audit carried out during a tour for several sites in the same geographical area: 20% (Package x 0.8)<sup>1</sup>
- One single site audited for more than one applicant/holder: 30% (Package x 0.7)<sup>1</sup>
- One site audited for more than one certification programme managed by ECC: 30% (Package x 0.7)<sup>1</sup>

<sup>1</sup> Discounts cannot be combined. In case of audit satisfying more than one criterion listed above, the criterion most favorable to the customer will be applied.

<b>TESTING FEES FOR ADMISSION</b>	
212	See below (section dedicated to TESTS)

### 1.2. FOLLOW UP OF CERTIFIED PRODUCTS (in € EXCL VAT)

	<b>ANNUAL FEE (WHEN PUBLISHED)</b>	
610	+ Fixed fees	990
611	+ Variable fees per range	495
613	+ Variable fees per factory	3300
	<b>EXAMINATION (REGISTRATION) OF AN ADDITIONAL APPLICATION FILE <sup>(2)</sup></b>	
417	+ Per range	1485
418	+ Additional instruction time, whenever necessary, per hour	165
	<b>EXAMINATION (REGISTRATION) OF AN EXTENSION FILE <sup>(2)</sup></b>	
419	+ Per range	1485
417	- Discount in case of extension without additional controls	330
499	+ Additional instruction time, whenever necessary, per hour	165
	<b>EXAMINATION OF A BRAND-NAME FILE <sup>(2)</sup></b>	
420	+ Per range	990
499	+ Additional instruction time, whenever necessary, per hour	165
498	<b>PRELIMINARY STUDY TO APPLICATION</b> (option, 4 h min., upon request)	660

(1) Management fees are charged at the minimum rate. However, additional fees may be charged on the basis of EUROVENT CERTITA CERTIFICATION's hourly rate, in case of review or additional technical assistance necessary to process an application.

<b>SURVEILLANCE AUDIT ON PRODUCTION SITE, PER HOLDER</b>		
311	<u>Package Area 1<sup>(2)</sup></u> : (including the preparation, the audit performance, the report, the follow-up of corrective action, the time of travel and the sampling, if applicable) (Additional stay and travel fees not included)	3630
312	<u>Package Area 2<sup>(2)</sup></u> : (including the preparation, the audit performance, the report, the follow-up of corrective action, the time of travel and the sampling, if applicable) (Additional stay and travel fees not included)	4545
313	<u>Package Area 2<sup>(2)</sup></u> : (including the preparation, the audit performance, the report, the follow-up of corrective action, the time of travel and the sampling, if applicable) (Additional stay and travel fees not included)	5105
314	Additional time, if applicable, per hour	165
399	- Discount in case of factory of tanks or cylinders only, or for an assembly sit only	495
398	+ When a site is audited for the first time, the admission rates are applied, so fees are increased by:	330
341	Travel expenses are based on actual cost, with an 11% service charge	Real / 0.89
371	<b>ADDITIONAL CHECKING :</b> Checking of corrective action plan following non-conformities found	Included

(2) Geographical Area are defined on chapter 4.2.3 Certification manual for NF programs managed by EUROVENT CERTITA CERTIFICATION. During the audit of several ranges, audit time can be increased, minimum ½ day, audit cost will then be increased by the applicable hourly fee.

A non-cumulative discount per applicant/holder per programme on the price, is applicable in any of the following cases:

- Audit carried out during a tour for several sites in the same geographical area: 20% (Package x 0.8)<sup>2</sup>
- One single site audited for more than one applicant/holder: 30% (Package x 0.7)<sup>2</sup>
- One site audited for more than one certification programme managed by ECC: 30% (Package x 0.7)<sup>2</sup>

<b>FOLLOW UP TESTING FEES</b>		
212	See below (section dedicated to TESTS)	

### 1.3. ANNUAL AUTHORISATION OF AN APPLICANT/HOLDER LABORATORY (in € EXCL VAT)

999	<b>AUTHORISATION INSTRUCTION</b>	825
-----	----------------------------------	-----

<sup>2</sup> Discounts cannot be combined. In case of audit satisfying more than one criterion listed above, the criterion most favorable to the customer will be applied.

## 2. INVOICING TERMS AND CONDITIONS.

Invoicing conditions and terms are described in chapter 4 of the Certification manual for NF programmes managed by EUROVENT CERTITA CERTIFICATION. Terms and conditions of payment are mentioned on the invoices. Invoices are only send by e-mail. If you want a paper copy, don't hesitate to ask us, we will transmit to you as soon as possible.

### PAYMENT OF INVOICES.



RELEVÉ D'IDENTITÉ BANCAIRE

Titulaire

**EUROVENT CERTITA CERTIFICATION**

Domiciliation

**SG PARIS BOURSE ENTR (00059)  
134 RUE REAUMUR  
75002 PARIS**

Référence bancaire

Code banque	Code guichet	N° compte	Clé RIB
30003	03020	00020682179	43

IBAN : **FR76 3000 3030 2000 0206 8217 943**

BIC-ADRESSE SWIFT : **SOGEFRPP**

## 3. CANCELLATION POLICY

### 3.1 APPLICATION

Whatever the result of the evaluation, all costs related to application evaluation remain due. The payment of the application fees remain due even if the application is abandoned during the evaluation.

### 3.2 AUDIT

Any cancellation of an audit, which date has been fixed between EUROVENT CERTITA CERTIFICATION and audited company, shall be invoiced on the following basis:

- Cancellation 16 days to 11 days prior to the foreseen date: 50% of the audit amount
- Cancellation 10 days to 6 days prior to the foreseen date: 75% of the audit amount
- Cancellation 5 days before foreseen date: 100 % of the audit amount.

The audit amount includes here the preparation, the service, the report and the stay and travel fees.

### 3.3 CERTIFICATION WITHDRAWAL DECISION

All costs related to certification follow-up remains due even if the NF mark is withdrawn.

#### 4. TESTS (in € EXCL VAT)

Tests costs are borne by the applicant/holder. The sampling have to be delivered at the laboratory, free of charge and customs cleared<sup>(4)</sup> if necessary, at date indicated on the sampling sheet.

For application, for tests ordered directly to one laboratory indicated in §5.3 of NF 414, the applicant/holder can obtain test rates directly from the laboratory or from Eurovent Certita Certification.

Tests ordered to Eurovent Certita Certification will be invoiced by at this same date.

(4) Custom clearance will be invoiced at real cost, with a 30% service charge (Real / 0.7)

#### 4.1 TESTS PART OF THE REFERENCE DOCUMENT

TYPE OF HEAT PUMP							
<b>OUTDOOR AIR / WATER</b>		<b>Maximum capacity (example : 35 kW)</b>		<b>0-20</b>	<b>20-50</b>	<b>50-65</b>	<b>65-100</b>
<b>ELEC/X/OA/W</b>	Installation			1900	1940	1980	2070
	Startup @ -15°C			1120	1150	1180	1230
<u>Heating mode</u>	1 point heating (Air T° ≥ 7°C)			1570	1610	1650	1730
	1 point heating (Air T° < 7 °C)			2210	2260	2320	2430
	Complementary cost if unit is: Ducted			640	650	670	700
	Complementary cost if unit is: Split			640	650	670	700
<u>Cooling mode (unit already installed)</u>	1 point cooling			810	830	860	890
<u>Other thermal tests: (unit already installed)</u>	LRContmin			1570	1610	1650	1730
	Psb (after thermal point)			320	330	330	350
	Psb (thermal point included)			1890	1940	1980	2070
<u>Other EN14825 thermal tests: (unit already installed)</u>	Poff (after thermal point)			320	330	330	350
	Poff (thermal point included)			1890	1940	1980	2070
	Pto (after thermal point)			320	330	330	350
	Pto (thermal point included)			1890	1940	1980	2070
	Pck (after thermal point)			320	330	330	350
	Pck (thermal point included)			2200	2260	2310	2420
<u>Acoustic test in heating mode (unit already installed)</u>	1 point (Packaged and Not ducted)			2100	2150	2220	2320
	Complementary cost if unit is: Ducted			940	960	990	1030
	Complementary cost if unit is: Split			620	630	650	680
<b>OUTDOOR AIR / RECYCLED AIR</b>		<b>Maximum capacity (example : 35 kW)</b>		<b>0-12</b>	<b>12-20</b>	<b>20-50</b>	
<b>ELEC/X/OA/RA</b>	Installation			2450	2530	2640	
	Startup @ -15°C			1170	1200	1260	
<u>Heating mode</u>	1 point heating (Air T° ≥ 7°C)			1630	1680	1760	
	1 point heating (Air T° < 7 °C)			2040	2100	2200	
	Complementary cost if unit is: Ducted			1360	1400	1460	
	Complementary cost if unit is: Split			620	640	670	
<u>Cooling mode (unit already installed)</u>	1 point cooling			810	840	880	
<u>Other thermal tests: (unit already installed)</u>	LRContmin			1630	1680	1760	
	Psb (after thermal point)			190	200	210	
	Psb (thermal point included)			1820	1880	1960	
<u>Other EN14825 thermal tests: (unit already installed)</u>	Poff (after thermal point)			190	200	210	
	Poff (thermal point included)			1820	1880	1960	
	Pto (after thermal point)			190	200	210	
	Pto (thermal point included)			1820	1880	1960	
	Pck (after thermal point)			190	200	210	
	Pck (thermal point included)			2010	2080	2170	
<u>Acoustic test in heating mode (unit already installed)</u>	1 point (Packaged and Not ducted)			3530	3650	3800	
	Complementary cost if unit is: Ducted			3530	3650	3800	
	Complementary cost if unit is: Split			690	720	750	

<b>EXTRACTED AIR / FRESH AIR</b>	<b>Maximum capacity (example : 35 kW)</b>	<b>0-6</b>	<b>6-30</b>	<b>30-50</b>	
<b>ELEC/X/EA/FA</b>	Installation	2680	2770	2900	
<u>Heating mode</u>	1 point heating (Air T° ≥ 7°C)	1630	1680	1760	
	1 point heating (Air T° < 7 °C)	2450	2530	2640	
	Complementary cost if unit is: Ducted	1280	1320	1380	
	Complementary cost if unit is: Split	640	670	690	
<u>Cooling mode (unit already installed)</u>	1 point cooling	810	840	880	
<u>Other thermal tests: (unit already installed)</u>	LRContmin	1630	1680	1760	
	Psb (after thermal point)	190	200	210	
	Psb (thermal point included)	1820	1880	1960	
<u>Acoustic test in heating mode (unit already installed)</u>	1 point (Packaged and Not ducted)	7030	7270	7590	
	Complementary cost if unit is: Ducted	1280	1320	1380	
	Complementary cost if unit is: Split	640	670	690	
<b>GLYCOL / WATER and GLYCOL / GLYCOL</b>	<b>Maximum capacity (example : 35 kW)</b>	<b>0-17</b>	<b>17-30</b>	<b>30-50</b>	<b>50-100</b>
<b>ELEC/X/BR/W and ELEC/X/BR/BR</b>	Installation	980	1010	1040	1080
<u>Fee for preparation of pipes (put Brine and remove Brine)</u>	1 per Range, whatever number of HP To test	1420	1450	1500	1560
<u>Heating mode</u>	1 point h	730	740	770	800
	Start up test for Solar collector HP	1420	1450	1500	1560
<u>Cooling mode (unit already installed)</u>	1 point cooling	730	740	770	800
<u>Other thermal tests (unit already installed)</u>	LRContmin	730	740	770	800
	Psb (after thermal point)	200	200	210	210
	Psb (thermal point included)	730	740	770	800
<u>Other EN14825 thermal tests: (unit already installed)</u>	Poff (after thermal point)	200	200	210	210
	Poff (thermal point included)	730	740	770	800
	Pto (after thermal point)	200	200	210	210
	Pto (thermal point included)	730	740	770	800
	Pck (after thermal point)	200	200	210	210
	Pck (thermal point included)	930	940	980	1010
<u>Acoustic test in heating mode (unit already installed)</u>	1 point	2720	2780	2880	3000
<b>WATER / WATER</b>	<b>Maximum capacity (example : 35 kW)</b>	<b>0-17</b>	<b>17-33</b>	<b>33-50</b>	<b>50-100</b>
<b>ELEC/X/W/W</b>	Installation	1410	1440	1490	1550
<u>Heating mode</u>	1 point h	720	730	760	790
<u>Cooling mode (unit already installed)</u>	1 point cooling	720	730	760	790
<u>Other thermal tests:</u>	LRContmin	720	730	760	790
	Psb (after thermal point)	190	190	200	200
	Psb (thermal point included)	900	910	950	980
<u>Other EN14825 thermal tests: (unit already installed)</u>	Poff (after thermal point)	190	190	200	200
	Poff (thermal point included)	900	910	950	980
	Pto (after thermal point)	190	190	200	200
	Pto (thermal point included)	900	910	950	980
	Pck (after thermal point)	740	740	780	780
	Pck (thermal point included)	1800	1820	1900	1960
<u>Acoustic test in heating mode (unit already installed)</u>	1 point	1810	1850	1910	1990
<b>WATER / RECYCLED AIR</b>	<b>Maximum capacity (example : 35 kW)</b>	<b>0-12</b>	<b>12-50</b>		
<b>ELEC/X/W/RA</b>	Installation	2570	2690		
<u>Heating mode</u>	1 point h	1510	1580		
<u>Cooling mode (unit already installed)</u>	1 point cooling	1510	1580		
<u>Other thermal tests: (unit already installed)</u>	LRContmin	1510	1580		
	Psb (after thermal point)	190	210		
	Psb (thermal point included)	1690	1790		
<u>Acoustic test in heating mode (unit already installed)</u>	1 point (Packaged and Not ducted)	2100	2200		
	Complementary cost if unit is: Ducted	1050	1100		
	Complementary cost if unit is: Split	530	550		
	Cost if unit is: Split+Ducted	4240	4500		
<b>GLYCOL / RECYCLED AIR</b>	<b>Maximum capacity (example : 35 kW)</b>	<b>0-12</b>	<b>20-50</b>		
<b>ELEC/X/BR/RA</b>	Installation	3550	3710		
<u>Heating mode</u>	1 point h	1510	1580		
<u>Cooling mode (unit already installed)</u>	1 point cooling	1510	1580		
<u>Other thermal tests: (unit already installed)</u>	LRContmin	1510	1580		
	Psb (after thermal point)	190	190		
	Psb (thermal point included)	1690	1770		
<u>Acoustic test in heating mode (unit already installed)</u>	1 point (Packaged and Not ducted)	3140	3280		
	Complementary cost if unit is: Ducted	1060	1110		
	Complementary cost if unit is: Split	540	560		

<b>EXTRACTED AIR / WATER</b>		<b>Maximum capacity (example : 35 kW)</b>		<b>0-6</b>	<b>6-25</b>	<b>25-50</b>	<b>50-100</b>
<b>ELEC/X/EA/W</b>	Installation			2590	2650	2740	2860
<b>Heating mode</b>	1 point			1630	1660	1730	1800
	Complementary cost if unit is: Ducted			640	660	680	710
	Complementary cost if unit is: Split			640	660	680	710
<b>Cooling mode (unit already installed)</b>	1 point cooling			810	830	860	890
<b>Other thermal tests: (unit already installed)</b>	LRContmin			1630	1660	1730	1800
	Psb (after thermal point)			330	340	350	360
	Psb (thermal point included)			1630	1660	1730	1800
<b>Acoustic test in heating mode (unit already installed)</b>	1 point (Packaged and Not ducted)			3040	3110	3210	3350
	Complementary cost if unit is: Ducted			940	960	990	1030
	Complementary cost if unit is: Split			620	630	650	680
<b>GROUND / WATER</b>		<b>Maximum capacity (example : 35 kW)</b>		<b>0-12</b>	<b>12-35</b>	<b>35-50</b>	
<b>ELEC/X/GR/W</b>	Installation			5210	5730	6010	
<b>Heating mode</b>	1 point			980	1080	1130	
<b>Cooling mode (unit already installed)</b>	1 point cooling			550	610	640	
<b>Other thermal tests: (unit already installed)</b>	LRContmin			980	1080	1130	
	Psb (after thermal point)			190	210	220	
	Psb (thermal point included)			1170	1290	1350	
<b>Other EN14825 thermal tests: (unit already installed)</b>	Poff (after thermal point)			190	210	220	
	Poff (thermal point included)			1170	1290	1350	
	Pto (after thermal point)			190	210	220	
	Pto (thermal point included)			1170	1280	1340	
	Pck (after thermal point)			280	310	330	
	Pck (thermal point included)			1260	1380	1450	
<b>Acoustic test in heating mode (unit already installed)</b>	1 point			3170	3270	3420	
<b>GROUND / GROUND</b>		<b>Maximum capacity (example : 35 kW)</b>		<b>0-12</b>	<b>12-35</b>	<b>35-50</b>	
<b>ELEC/X/GR/GR</b>	Installation			3290	3410	3490	
<b>Heating mode</b>	1 point			1450	1500	1540	
<b>Cooling mode (unit already installed)</b>	1 point cooling			1450	1500	1540	
<b>Other thermal tests: (unit already installed)</b>	LRContmin			1450	1500	1540	
	Psb (after thermal point)			290	300	310	
	Psb (thermal point included)			1740	1800	1850	
<b>Acoustic test in heating mode (unit already installed)</b>	1 point			3020	3120	3190	
<b>WATER / GROUND</b>		<b>Maximum capacity (example : 35 kW)</b>		<b>0-12</b>	<b>12-35</b>	<b>35-50</b>	
<b>ELEC/X/W/GR</b>	Installation			2200	2290	2340	
<b>Heating mode</b>	1 point			1170	1210	1240	
<b>Cooling mode (unit already installed)</b>	1 point cooling			1170	1210	1240	
<b>Other thermal tests: (unit already installed)</b>	LRContmin			1170	1210	1240	
	Psb (after thermal point)			240	250	250	
	Psb (thermal point included)			1400	1450	1480	
<b>Acoustic test in heating mode (unit already installed)</b>	1 point			3170	3270	3420	
<b>OUTDOOR AIR / GROUND</b>		<b>Maximum capacity (example : 35 kW)</b>		<b>0-20</b>	<b>20-50</b>	<b>50-65</b>	<b>65-100</b>
<b>ELEC/X/OA/GR</b>	Installation			3550	3630	3750	3910
<b>Heating mode</b>	Startup @ -15°C			1170	1190	1230	1280
	1 point h			1630	1660	1730	1800
<b>Cooling mode (unit already installed)</b>	1 point cooling			810	830	860	890
<b>Other thermal tests: (unit already installed)</b>	LRContmin			1630	1660	1730	1800
	Psb (after thermal point)			330	340	350	360
	Psb (thermal point included)			1630	1660	1730	1800
<b>Acoustic test in heating mode (unit already installed)</b>	1 point (Packaged and Not ducted)			3180	3250	3350	3500
	Complementary cost if unit is: Ducted			940	960	990	1030
	Complementary cost if unit is: Split			880	900	930	970



GAS - AIR / WATER		Maximum capacity (example : 35 kW)	0-30	30-60	60-100	
<b>GAS/X/OA/W</b>		Installation	3940	4080	4260	
<u>Heating mode</u>		1 point h	1630	1680	1760	
<u>Cooling mode (unit already installed)</u>		1 point cooling	810	840	880	
<u>Other thermal tests: (unit already installed)</u>		LRContmin	1630	1680	1760	
		Psb (after thermal point)	330	340	350	
		Psb (thermal point included)	1960	2020	2100	
<u>Other EN14825 thermal tests: (unit already installed)</u>		Poff (after thermal point)	330	340	350	
		Poff (thermal point included)	1960	2020	2100	
		Pto (after thermal point)	330	340	350	
		Pto (thermal point included)	1960	2020	2100	
		Pck (after thermal point)	330	340	350	
		Pck (thermal point included)	2290	2360	2450	
<u>Acoustic test in heating mode (unit already installed)</u>		1 point	2710	2800	2930	
GAS - AIR / AIR		Maximum capacity (example : 35 kW)	0-50	50-100		
<b>GAS/X/OA/RA</b>		Installation	4240	4430		
<u>Heating mode</u>		1 point h	1630	1710		
<u>Cooling mode (unit already installed)</u>		1 point cooling	810	850		
<u>Other thermal tests: (unit already installed)</u>		LRContmin	1630	1710		
		Psb (after thermal point)	330	340		
		Psb (thermal point included)	1960	2040		
<u>Other EN14825 thermal tests: (unit already installed)</u>		Poff (after thermal point)	330	340		
		Poff (thermal point included)	1960	2040		
		Pto (after thermal point)	330	340		
		Pto (thermal point included)	1960	2040		
		Pck (after thermal point)	330	340		
		Pck (thermal point included)	2290	2380		
<u>Acoustic test in heating mode (unit already installed)</u>		1 point	3550	3710		
SWIMMING POOL		Maximum capacity (example : 35 kW)	0-22	22-30	30-50	50-100
<b>ELEC/PO/H/OA/W</b>		Installation + 2 points + 2 EAF	8250	8430	8720	9090
<u>Seasonal application</u>		Installation + 2 points + 2 EAF	8250	8430	8720	9090
<u>Annual application</u>		Installation + 3 points + 2 EAF	9520	9750	10070	10500
<u>Acoustic test in heating mode (unit already installed)</u>		1 point (Packaged and Not ducted)	2100	2150	2220	2320
		Complementary cost if unit is: Ducted	940	960	990	1030
		Complementary cost if unit is: Split	620	630	650	680
DUAL MODE (HEATING AND DOMESTIC HOT WATER)		Maximum capacity (example : 35 kW)	0-20	20-50	50-65	65-100
<b>.../D/...</b>		EN 16147 DHW (just after regular heating tests)	7280	7450	7690	8030
		Installation + EN 16147 Domestic hot water	8250	8430	8720	9090

#### 4.2 ADDITIONAL TEST POINTS

In order to take benefit of the installation of the machines, additional points can be ordered to the client manager in charge within EUROVENT CERTITA CERTIFICATION.

In particular, the following testing points have been identified as responding to some national market demands in Europe.

Other points could be tested, upon request to the client manager.

#### Electrical Heat Pump

##### 1. Outdoor Air/water Heat Pumps:

- Option for 'Passivhaus' in Germany:

Test Condition: **The supply air temperature** must be at least **16,5°C**. This temperature must be achieved with an **external air temperature** of **-10°C**.

- Option for 'BAFA' in Germany:

Test Condition: **Outdoor air temperature** at **10°C** with **water temperature** at **35°C**

	kW	0-20	20-50	50-65	65-100
1 additional point	€	1570	1610	1650	1730

##### 2. Outdoor Air / Recycled Air Heat Pumps:

Option for 'Passivhaus' in Germany:

Test Condition: **The supply air temperature** must be at least **16,5°C**. This temperature must be achieved with an **external air temperature** of **-10°C**.

	kW	0-12	12-20	20-50
1 additional point	€	1630	1680	1760

### 3. Outdoor air / Ground Heat Pumps

➤ Option for 'Passivhaus' in Germany:

Test Condition: **The supply air temperature** must be at least **16,5°C**. This temperature must be achieved with an **external air temperature** of **-10°C**.

	kW	0-20	20-50	50-65	65-100
1 additional point	€	1630	1660	1730	1800

### 4. Ground / Water Heat Pumps

➤ Option for 'BAFA' in Germany:

Test Condition: **Ground temperature** at **-1°C** with **water temperature** at **35°C**

	kW	0-12	12-35	35-50
1 additional point	€	980	1080	1130

➤ Option for 'Minergie' in Switzerland:

Test Condition: **Ground temperature** at **0°C** with **water temperature** at **35°C**

	kW	0-12	12-35	35-50
1 additional point	€	980	1080	1130

### Others

Pricing depends of type of heat pump, technical features of the tested machine (ducted/split...), declared capacity.

Please indicate in your request for each testing point as:

Test number:		Measurement 1	Measurement 2	Measurement 3
Test point	Performance (ex: Ph, Pe, COP, Lw...)			
	Upstream Temperature(s) [°C]			
	Downstream Temperature(s) [°C]			
Reference document (if any)				
Declared value (facultative; indicate corresponding unit under [])				
Or other testing feature, please specify (ex: setting of water flow rate, part load condition, auxiliary power, domestic hot water...)				
Any other specific information				