



**Nobody knows
more about**

Ardega

34130 Lithuania

Ljungby 2009-03-06

Here you are!

Here you find a calculation, that shows the savings possible with a CTC heat pump for out door air.

CTC EcoAir 125 saves 88 720 kWh/Yr

We have made the calculation based upon your data. The following pages shows how the result was created.

Please contact me if there are any questions.

With best regards

Henrik Henningsson

ENERTECH AB / CTC

Suggestion of recommended installers:

Postal address:
ENERTECH AB / CTC
Box 309
341 26 Ljungby

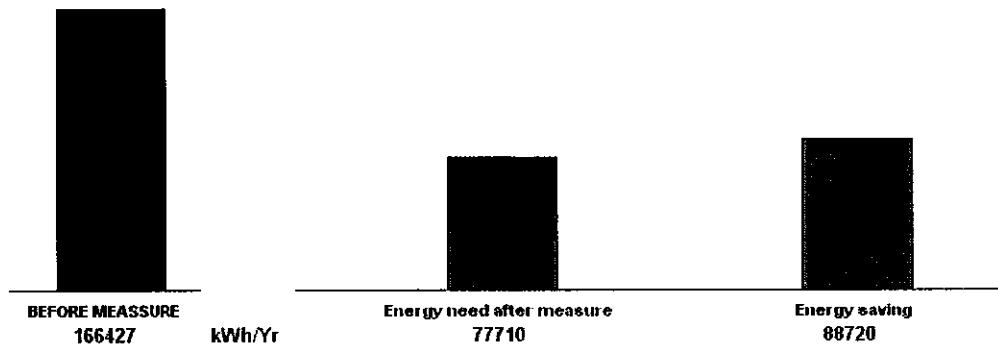
Telephone:
0372-88 000
Fax:
0372-86 155

Email:
Homepage:
www.ctcvarme.se



Ardega, , 34130 Lithuania
Heat pumps: 2 pcs CTC EcoAir 125

Ver 4.40



Energy consumption for heating (gross values)

CONDITIONS

El energy, household eccl. kWh	166427
Net requirement kWh/Yr	166430
Domestic hot water consupt. kWh	66000
SHW. from heat pump max %	60
Indoor temperature °C	21
Yearly average temp °C	6,6
DOT (Dim. Out Temp) °C	-21
Primary flow temp at DOT °C	55

CALCULATED RESULT

From heat pump kWh/Yr	137330
To heat pump kWh/Yr	47080
Additive energy from °C	-7,5
Energy cover degree %	82,5
Yearly COP (total 2,18)	2,92
Additive-districted heat (95 %)	30630
Additive power kW	49,4
Maximum power needed kW	49,4

HEAT SOURCE

Out door air		
Energy saving	%	53



**Nobody knows
more about**

Ardega

34130 Lithuania

Ljungby 2009-03-06

Here you are!

Here you find a calculation, that shows the savings possible with a CTC heat pump for out door air.

CTC EcoAir 125 saves 71 280 kWh/Yr

We have made the calculation based upon your data. The following pages shows how the result was created.

Please contact me if there are any questions.

With best regards

Henrik Henningsson

ENERTECH AB / CTC

Suggestion of recommended installers:

Postal address:
ENERTECH AB / CTC
Box 309
341 26 Ljungby

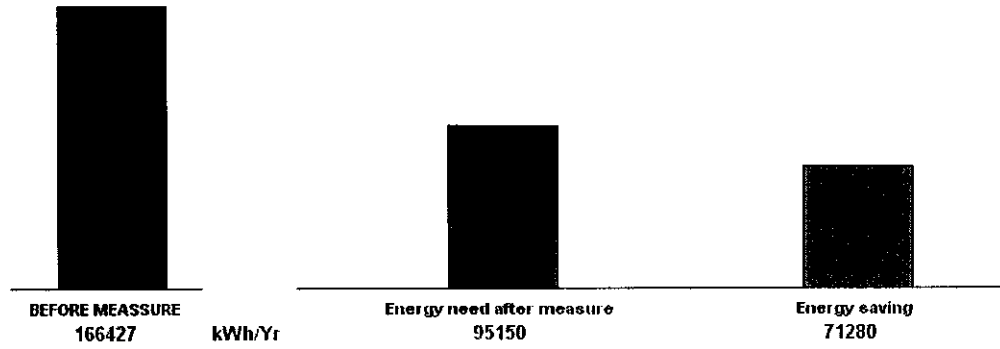
Telephone:
0372-88 000
Fax:
0372-86 155

Email:
Homepage:
www.ctcvarme.se



Ardega, , 34130 Lithuania
heat pump: CTC EcoAir 125

Ver 4.40



Energy consumption for heating (gross values)

CONDITIONS

El energy, household eccl. kWh	166427
Net requirement kWh/Yr	166430
Domestic hot water consupt. kV	66000
SHW. from heat pump max %	60
Indoor temperature °C	21
Yearly average temp °C	6,6
DOT (Dim. Out Temp) °C	-21
Primary flow temp at DOT °C	55

CALCULATED RESULT

From heat pump kWh/Yr	111030
To heat pump kWh/Yr	36830
Additive energy from °C	2,1
Energy cover degree %	66,7
Yearly COP (total 1,80)	3,01
Additive-districted heat (95 %)	58320
Additive power kW	49,4
Maximum power needed kW	49,4

HEAT SOURCE

Out door air		
Energy saving	%	43