

# The new EU Energy Label for household air conditioners

## Information for Retailers, Suppliers & Consumers in Malta

### Your Guide to the Energy Label Air-Conditioner Symbols\*

Note: Single duct air conditioners are single units designed for spot cooling in which the condenser intake air is introduced from the space containing the unit. Double duct air conditioners consist of one single unit but have separate ducts for air intake and exhaust. \*as of 03/2013

For further information visit: [www.come-on-labels.eu](http://www.come-on-labels.eu)

I

supplier's name or trade mark

II

supplier's model identifier

A

energy efficiency class

SEER

Indicating seasonal energy efficiency ratio in cooling mode

SCOP

Indicating seasonal energy efficiency ratio in heating mode

ZYdB

"Sound power level" means the A-weighted sound power level [dB(A)] indoors and/or outdoors measured at standard rating conditions for cooling (or heating, if the product has no cooling function)

ZYdB

XY

Hourly energy consumption in kWh in cooling or heating mode

XY

Yearly energy consumption in kWh in cooling or heating mode

XY,Z

Design load in kW in cooling mode, or design load in kW in heating mode for up to 3 heating seasons

X,Y

"Seasonal energy efficiency ratio" (SEER) is the overall energy efficiency ratio of the unit, representative for the whole cooling season, calculated as the reference annual cooling demand divided by the annual electricity consumption for cooling

X,Y

"Coefficient of performance" (COP) means the declared capacity for heating [kW] divided by the rated power input for heating [kW] of a unit when providing heating at standard rating conditions

X,Y

"Energy efficiency ratio" (EER) means the declared capacity for cooling [kW] divided by the rated power input for cooling [kW] of a unit when providing cooling at standard rating conditions

XY,Z

Indication of design load in kW, "Seasonal coefficient of performance" (SCOP), and yearly energy consumption in kWh according to heating season

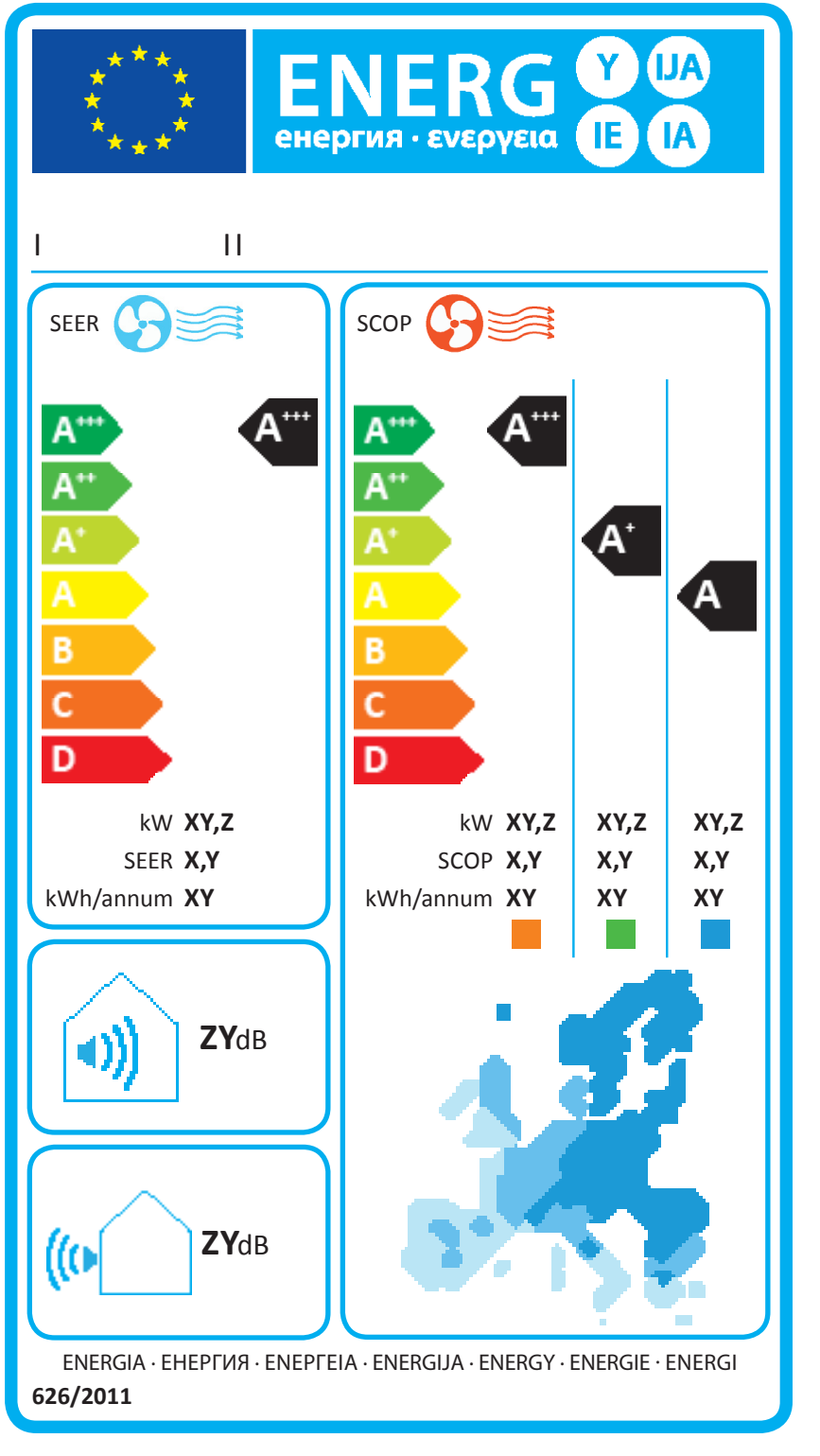
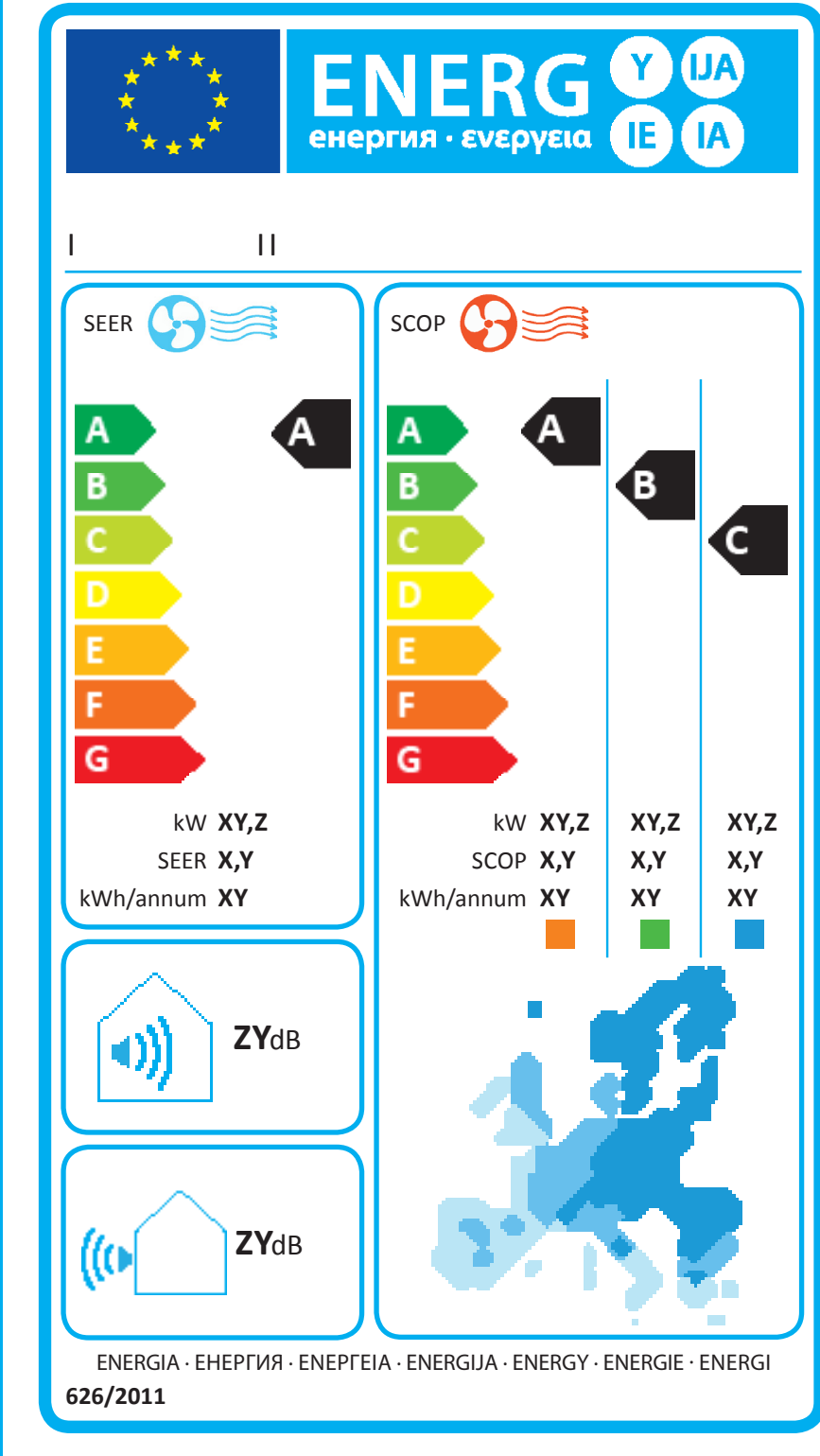
XY,Z

XY,Z

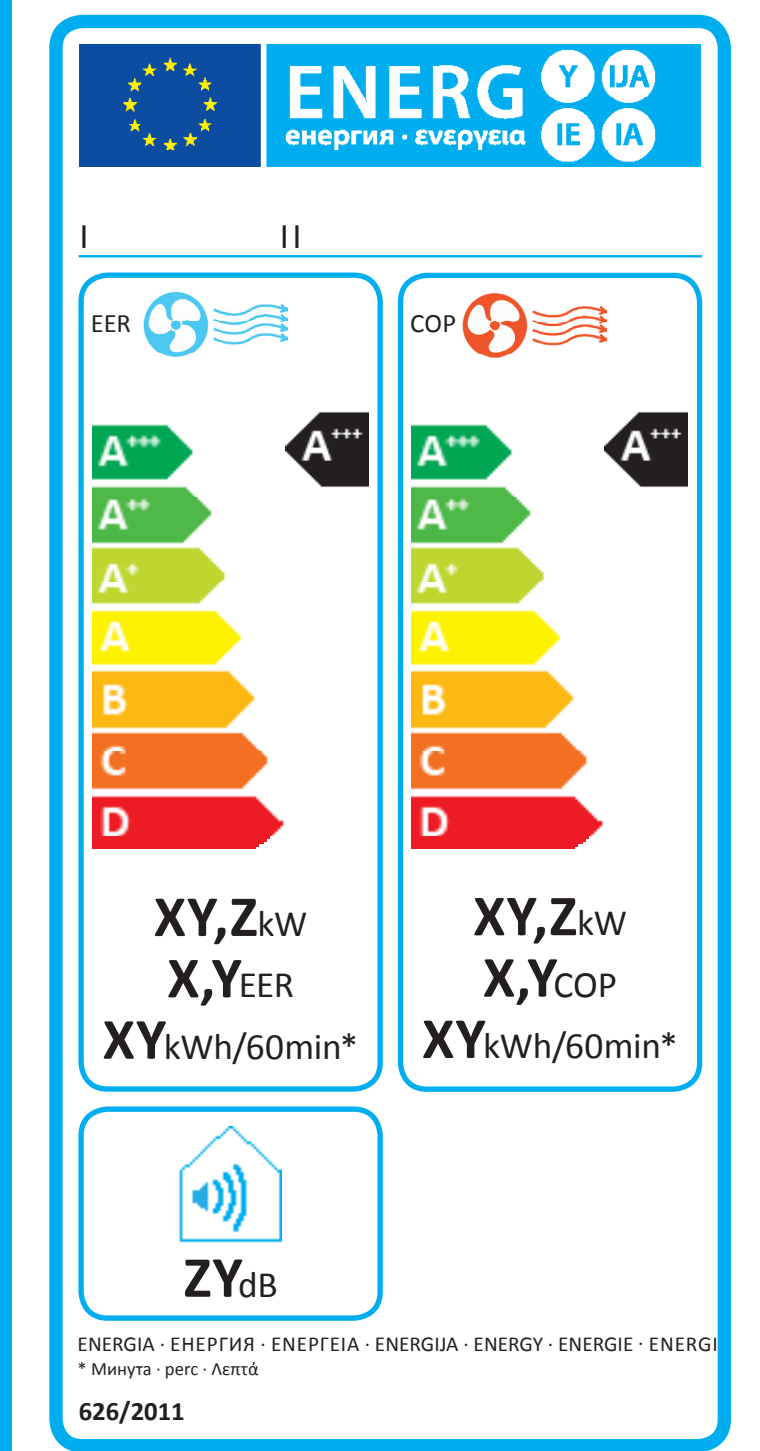
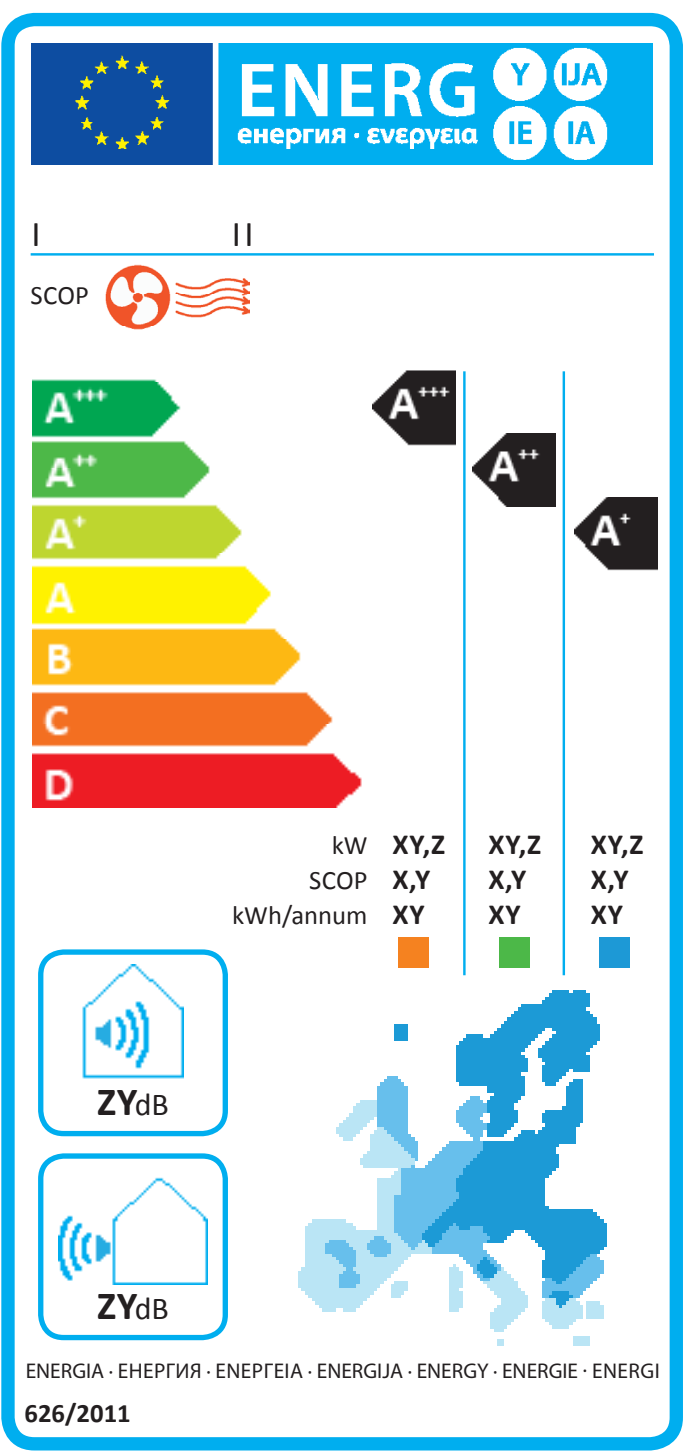
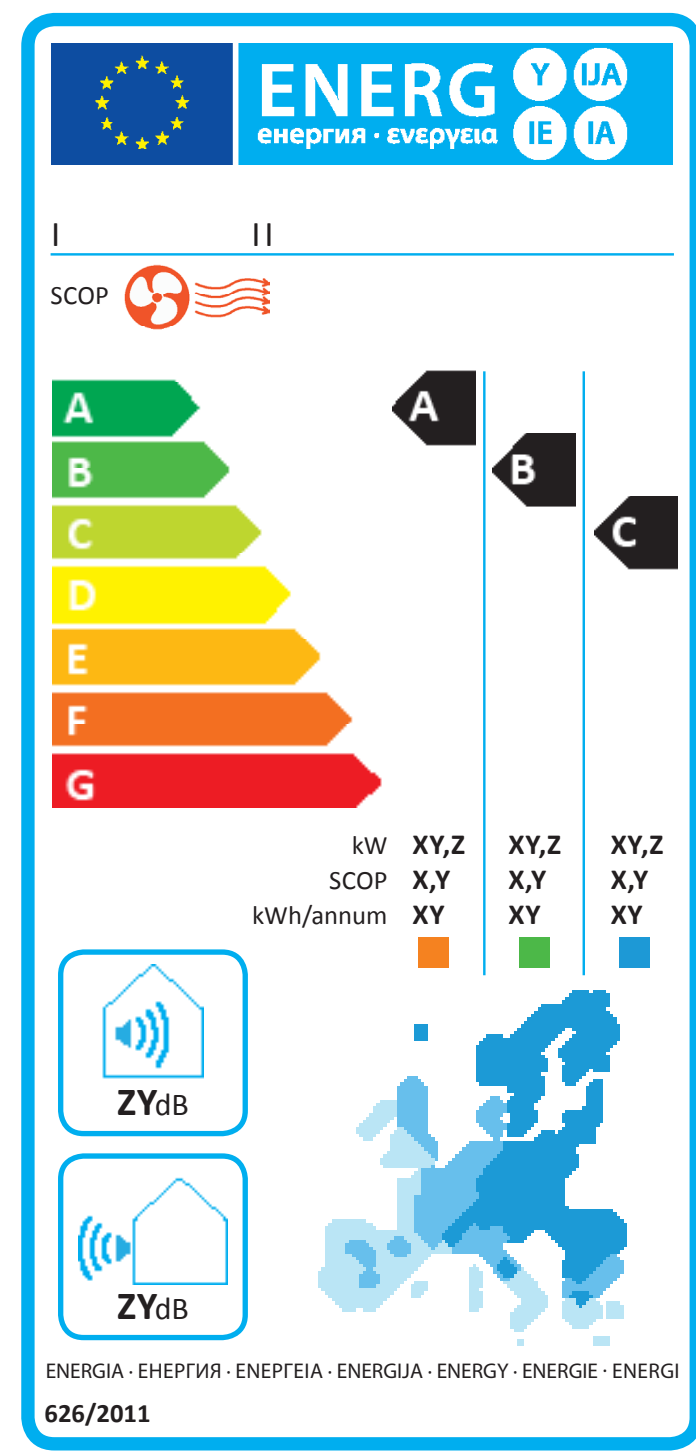
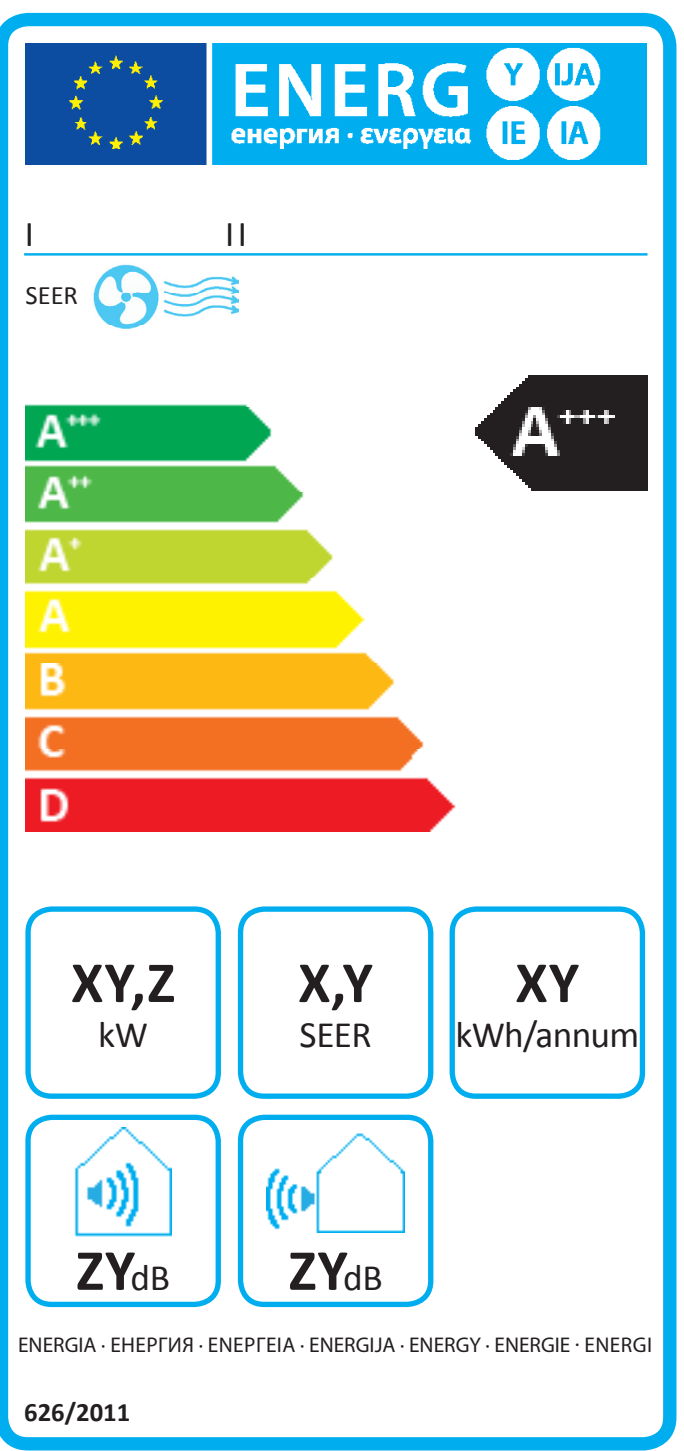
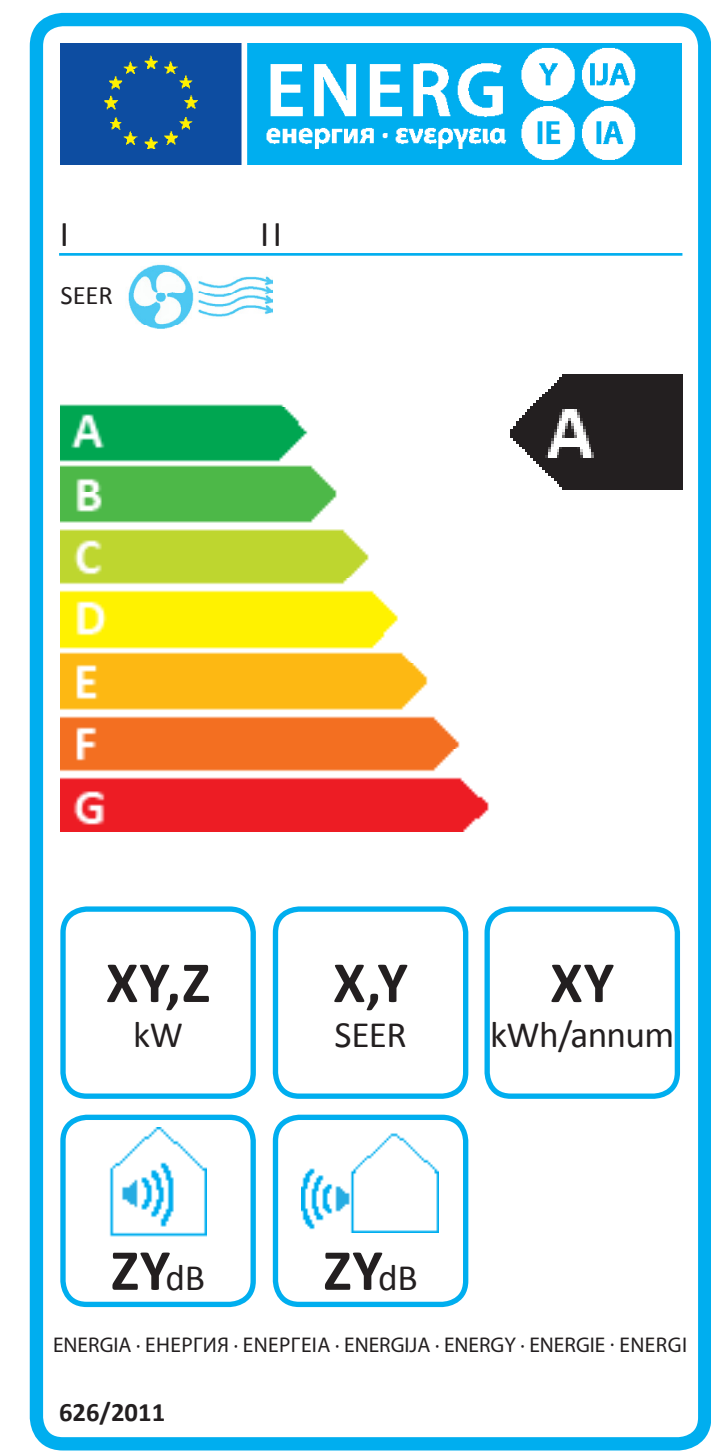
XY,Z

XY,Z

European map with a display of three indicative heating seasons and corresponding colour squares



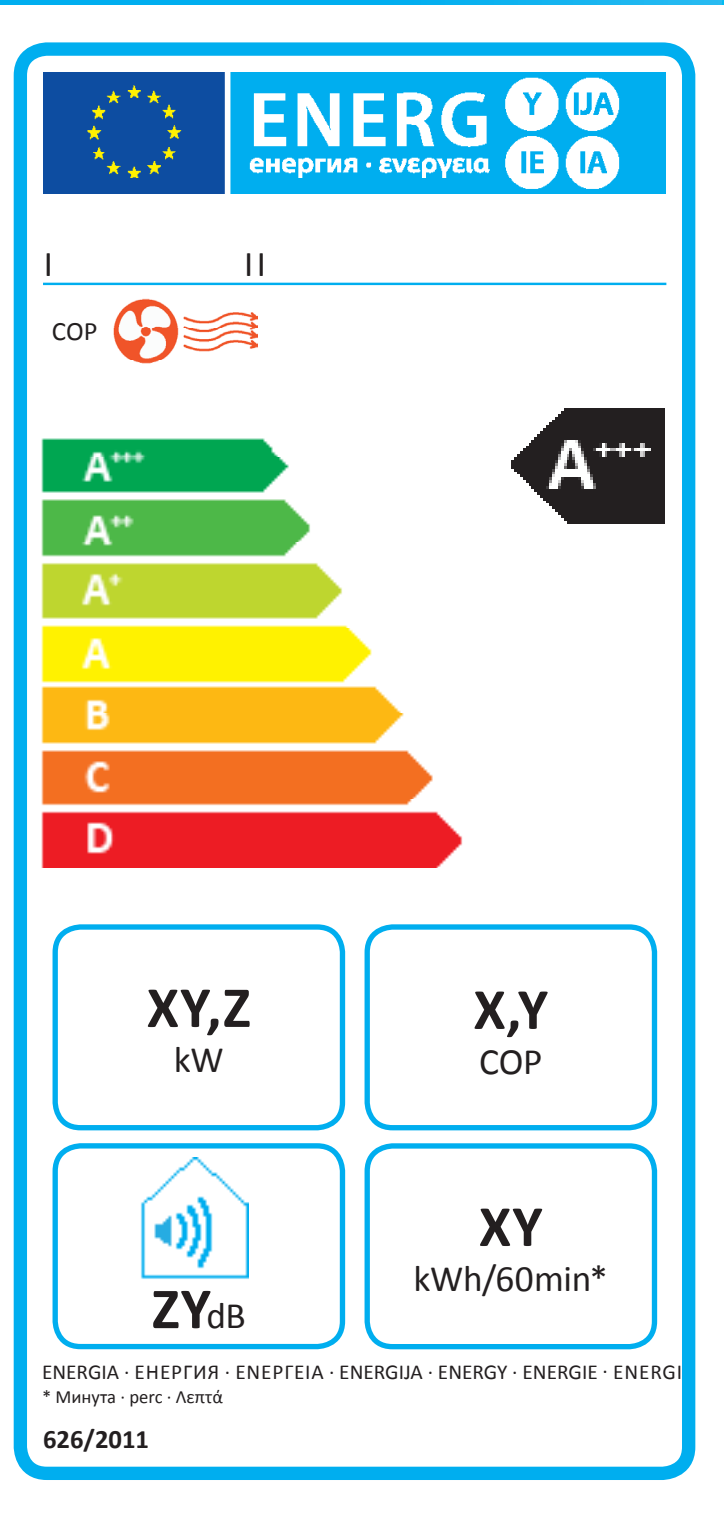
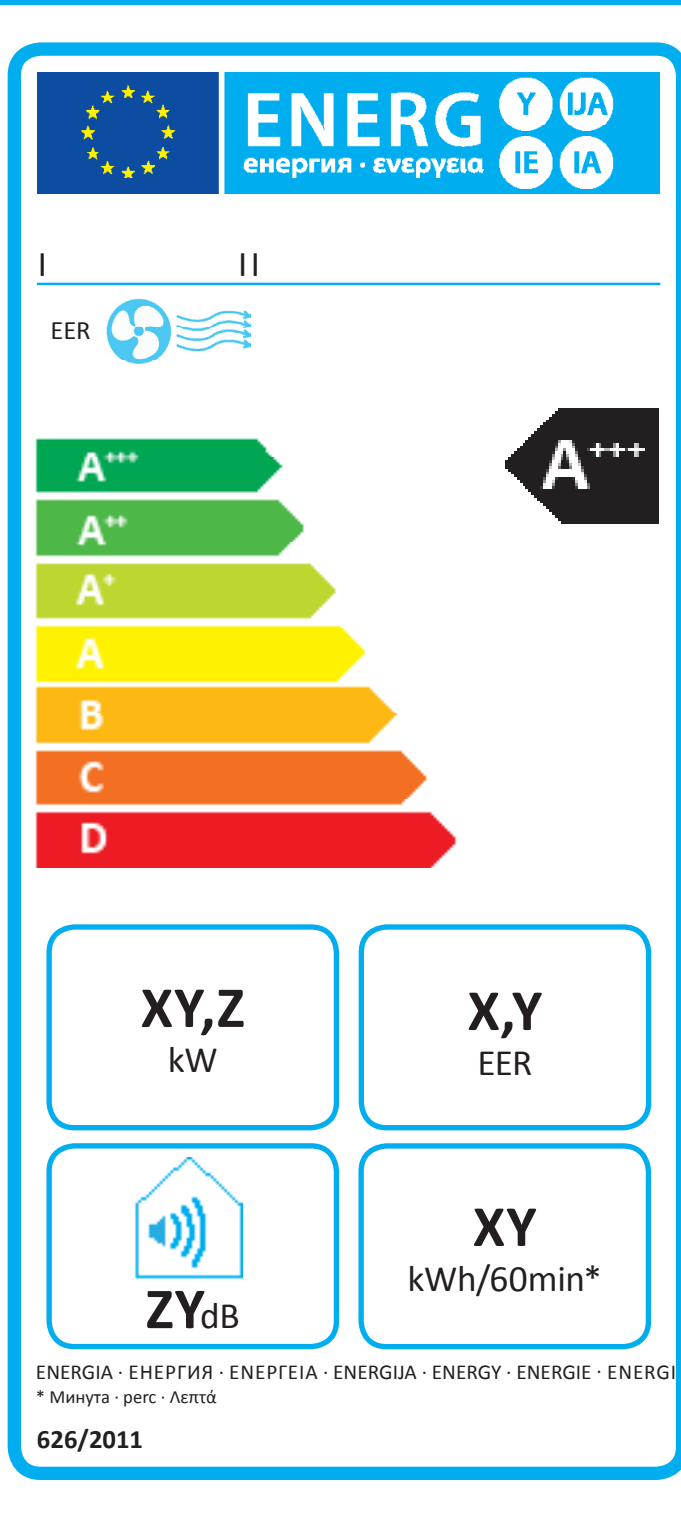
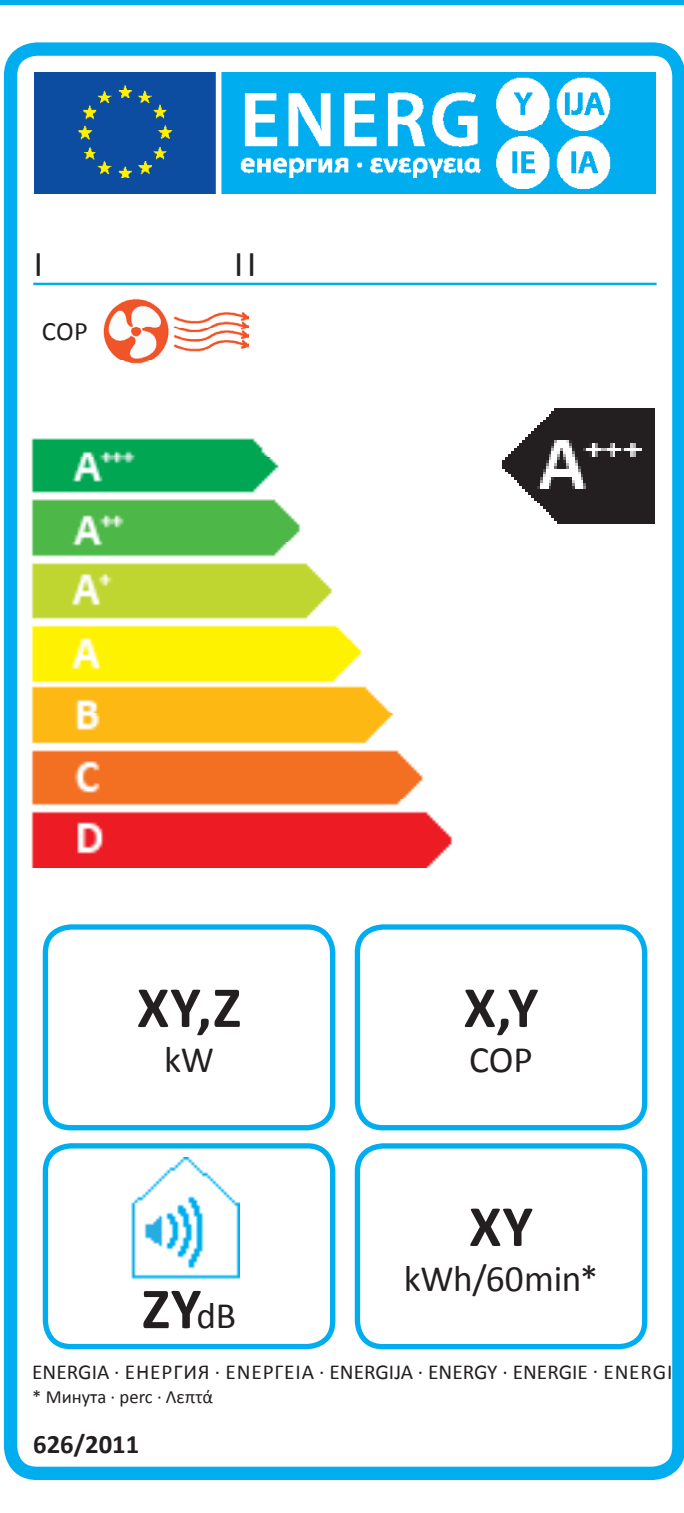
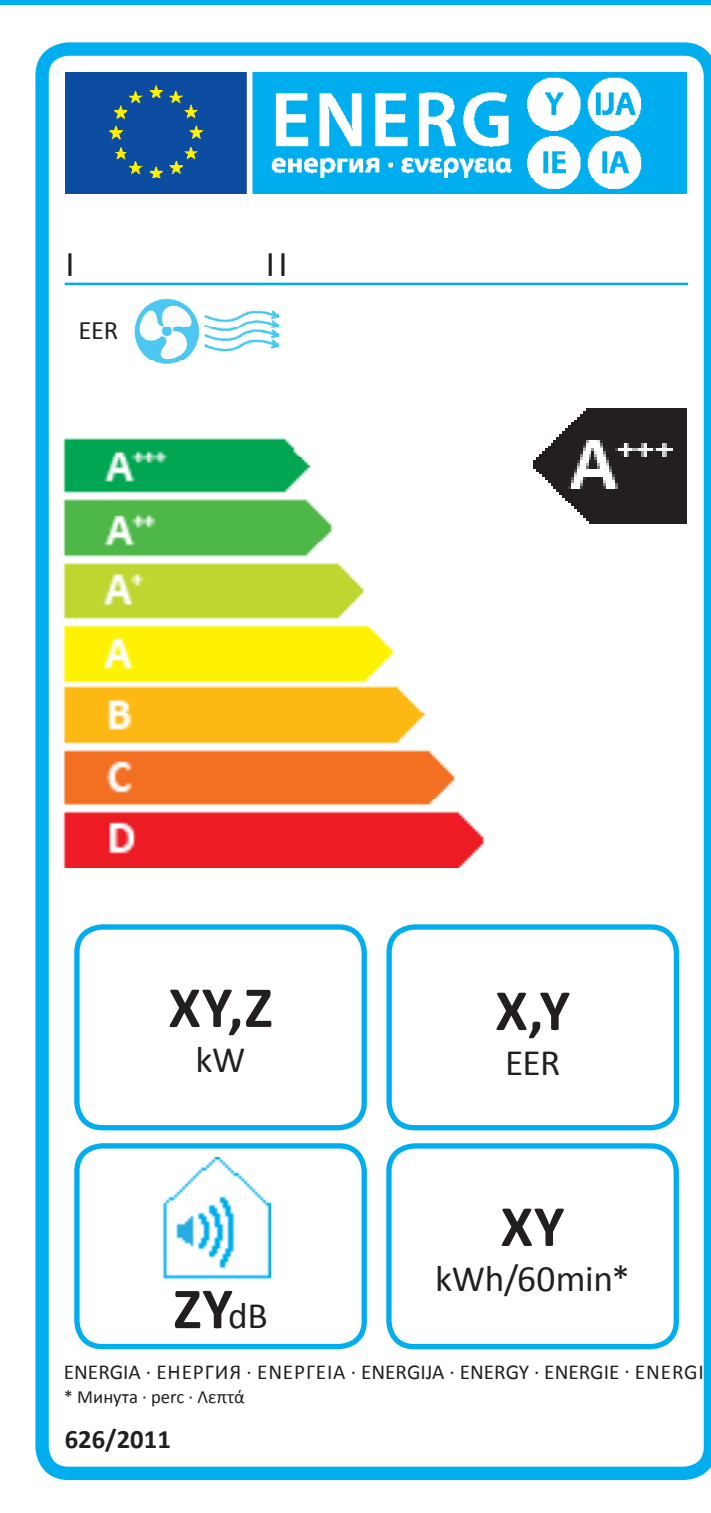
Energy Label for reversible air conditioners placed on the market from 1 January 2013 with energy efficiency classes A, B, C, D, E, F, G. Additional '+' signs will be introduced gradually until 2019 while retaining the maximum of seven energy efficiency classes



Energy Label for cooling-only air conditioners placed on the market from 1 January 2013 with energy efficiency classes A, B, C, D, E, F, G. Additional '+' signs will be introduced gradually until 2019 while retaining the maximum of seven classes

Energy Label for heating-only air conditioners placed on the market from 1 January 2013 with energy efficiency classes A, B, C, D, E, F, G. Additional '+' signs will be introduced gradually until 2019 while retaining the maximum of seven classes

Energy Label for reversible double duct air conditioners, classes A+++ to D



Energy Label for cooling-only double duct air conditioners

Energy Label for heating-only double duct air conditioners

Energy Label for reversible single duct air conditioners

Energy Label for cooling-only single duct air conditioners

Energy Label for heating-only single duct air conditioners