

# Product fiche concerning the COMMISSION DELEGATED REGULATIONS (EU)No 811/2013

## Technical parameters for heat pump space heaters and heat pump combination heater

Model: **ECONSET EasyTherm A-06**

Air-to-water heat pump: yes

Water-to-water heat pump: no

Brine-to-water heat pump: no

Low-temperature heat pump: no

Equipped with a supplementary heater: no

Heat pump combination heater: no

### Water outlet temperature: 35°C

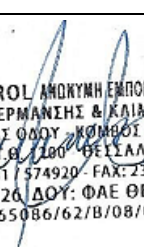
Parameters shall be declared for low-temperature application.

Parameters shall be declared for warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
<b>Rated heat output (*)</b>	<i>Prated</i>	5,6	kW	<b>Seasonal space heating energy efficiency</b>	$\eta_s$	209	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature $T_j$				Declared coefficient of performance or primary energyratio for part load at indoor temperature 20 °C and outdoor temperature $T_j$			
$T_j = + 2 \text{ °C}$	<i>Pdh</i>	5,6	kW	$T_j = + 2 \text{ °C}$	<i>COPd</i>	3,24	-
$T_j = + 7 \text{ °C}$	<i>Pdh</i>	3,6	kW	$T_j = + 7 \text{ °C}$	<i>COPd</i>	4,77	-
$T_j = + 12 \text{ °C}$	<i>Pdh</i>	1,6	kW	$T_j = + 12 \text{ °C}$	<i>COPd</i>	6,43	-
$T_j = \text{bivalent temperature } \text{°C}$	<i>Pdh</i>	5,6	kW	$T_j = \text{bivalent temperature } \text{°C}$	<i>COPd</i>	3,24	-
Bivalent temperature	<i>Tbiv</i>	2	°C	Operation limit temperature	<i>TOL</i>	2	°C
Degradation co-efficient (**)	<i>Cdh</i>	0,9	-	Heating water operating limit temperature	<i>WTOL</i>	60	°C
<b>Power consumption in modes other than active mode</b>				<b>Other items</b>			
Off mode	<i>P<sub>OFF</sub></i>	0,02	kW	Capacity control	variable		
Thermostat-off mode	<i>P<sub>TO</sub></i>	0,02	kW	Sound power level, indoors/outdoors	<i>LWA</i>	- /64	dB
Standby mode	<i>P<sub>SB</sub></i>	0,02	kW	Annual energy consumption	<i>QHE</i>	1408	kWh
Crankcase heater mode	<i>P<sub>CK</sub></i>	0,05	kW	Rated airflow rate, outdoors	-		m <sup>3</sup> /h
Supplementary heater				Seasonal Coefficient of Performance	<i>SCOP</i>	5,31	-
Rated heat output (**)	<i>P<sub>sup</sub></i>	-	kW				

**Water outlet temperature: 55°C**

Parameters shall be declared for medium-temperature application.  
Parameters shall be declared for warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
<b>Rated heat output (*)</b>	<i>Prated</i>	5,1	kW	<b>Seasonal space heating energy efficiency</b>	$\eta_s$	151	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature $T_j$				Declared coefficient of performance or primary energyratio for part load at indoor temperature 20 °C and outdoor temperature $T_j$			
$T_j = + 2 \text{ °C}$	<i>Pdh</i>	5,1	kW	$T_j = + 2 \text{ °C}$	<i>COPd</i>	2,15	-
$T_j = + 7 \text{ °C}$	<i>Pdh</i>	3,1	kW	$T_j = + 7 \text{ °C}$	<i>COPd</i>	3,49	-
$T_j = + 12 \text{ °C}$	<i>Pdh</i>	1,5	kW	$T_j = + 12 \text{ °C}$	<i>COPd</i>	4,66	-
$T_j = \text{bivalent temperature } \text{°C}$	<i>Pdh</i>	5,1	kW	$T_j = \text{bivalent temperature } \text{°C}$	<i>COPd</i>	2,15	-
Bivalent temperature	<i>Tbiv</i>	2	°C	Operation limit temperature	<i>TOL</i>	2	°C
Degradation co-efficient (**)	<i>Cdh</i>	0.9	-	Heating water operating limit temperature	<i>WTOL</i>	60	°C
<b>Power consumption in modes other than active mode</b>				<b>Other items</b>			
Off mode	<i>P<sub>OFF</sub></i>	0,02	kW	Capacity control	variable		
Thermostat-off mode	<i>P<sub>TO</sub></i>	0,02	kW	Sound power level, indoors/outdoors	<i>LWA</i>	- /64	dB
Standby mode	<i>P<sub>SB</sub></i>	0,02	kW	Annual energy consumption	<i>Q<sub>HE</sub></i>	1770	kWh
Crankcase heater mode	<i>P<sub>CK</sub></i>	0,05	kW	Rated airflow rate, outdoors	-		m <sup>3</sup> /h
<b>Supplementary heater</b>				Seasonal Coefficient of Performance	<i>SCOP</i>	3,84	-
Rated heat output (**)	<i>P<sub>sup</sub></i>	-	kW				
Contact details	Clima Control S.A. Parallel of Egnatia Street, Diavata Junction Thessaloniki, Greece			 CLIMA CONTROL ΑΝΩΚΥΜΗ ΕΜΠΟΡΙΚΗ ΕΤΑΙΡΙΑ ΣΥΣΤΗΜΑΤΩΝ ΘΕΡΜΑΝΣΗΣ & ΚΛΙΜΑΤΙΣΜΟΥ ΠΑΡΑΛΛ. ΕΓΝΑΤΙΑΣ ΟΔΟΥ ΚΟΜΒΟΣ ΔΙΑΒΑΤΩΝ Τ.Κ. 570 09 / Τ.Θ. 100 ΘΕΣΣΑΛΟΝΙΚΗ ΤΗΛ: 2310 600551 / 574920 - FAX: 2310 574893 ΑΦΜ: 998306120 ΔΟΥ: ΦΑΕ ΘΕΣ/ΝΙΚΗΣ ΑΡ. ΜΑΕ: 65086/62/Β/08/0003			

(\*) For heat pump space heaters and heat pump combination heaters, the rated heat output  $P_{rated}$  is equal to the design load for heating  $P_{designh}$ , and the rated heat output of a supplementary heater  $P_{sup}$  is equal to the supplementary capacity for heating  $sup(T_j)$ .

(\*\*) If  $C_{dh}$  is not determined by measurement then the default degradation coefficient is  $C_{dh} = 0,9$ .

# Product fiche concerning the COMMISSION DELEGATED REGULATIONS (EU)No 811/2013

## Technical parameters for heat pump space heaters and heat pump combination heater

Model: **ECONSET EasyTherm A-08**

Air-to-water heat pump: yes

Water-to-water heat pump: no

Brine-to-water heat pump: no

Low-temperature heat pump: no

Equipped with a supplementary heater: no

Heat pump combination heater: no

### Water outlet temperature: 35°C

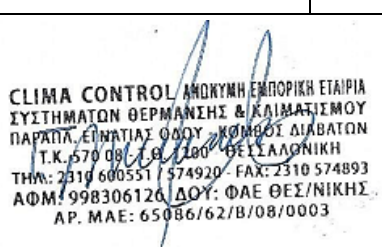
Parameters shall be declared for low-temperature application.

Parameters shall be declared for warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
<b>Rated heat output (*)</b>	<i>Prated</i>	8,6	kW	<b>Seasonal space heating energy efficiency</b>	$\eta_s$	204	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature $T_j$				Declared coefficient of performance or primary energyratio for part load at indoor temperature 20 °C and outdoor temperature $T_j$			
$T_j = + 2 \text{ °C}$	<i>Pdh</i>	8,6	kW	$T_j = + 2 \text{ °C}$	<i>COPd</i>	3,58	-
$T_j = + 7 \text{ °C}$	<i>Pdh</i>	5,5	kW	$T_j = + 7 \text{ °C}$	<i>COPd</i>	4,53	-
$T_j = + 12 \text{ °C}$	<i>Pdh</i>	2,5	kW	$T_j = + 12 \text{ °C}$	<i>COPd</i>	6,24	-
$T_j = \text{bivalent temperature } \text{°C}$	<i>Pdh</i>	8,6	kW	$T_j = \text{bivalent temperature } \text{°C}$	<i>COPd</i>	3,58	-
Bivalent temperature	<i>Tbiv</i>	2	°C	Operation limit temperature	<i>TOL</i>	2	°C
Degradation co-efficient (**)	<i>Cdh</i>	0.9	-	Heating water operating limit temperature	<i>WTOL</i>	60	°C
Power consumption in modes other than active mode				Other items			
Off mode	<i>P<sub>OFF</sub></i>	0,02	kW	Capacity control	variable		
Thermostat-off mode	<i>P<sub>TO</sub></i>	0,02	kW	Sound power level, indoors/outdoors	<i>L<sub>WA</sub></i>	- /67	dB
Standby mode	<i>P<sub>SB</sub></i>	0,02	kW	Annual energy consumption	<i>Q<sub>HE</sub></i>	2210	kWh
Crankcase heater mode	<i>P<sub>CK</sub></i>	0,05	kW	Rated airflow rate, outdoors	-		m <sup>3</sup> /h
Supplementary heater				Seasonal Coefficient of Performance	<i>SCOP</i>	5,18	-
Rated heat output (**)	<i>P<sub>sup</sub></i>	-	kW				

**Water outlet temperature: 55°C**

Parameters shall be declared for medium-temperature application.  
Parameters shall be declared for warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
<b>Rated heat output (*)</b>	<i>Prated</i>	8,1	kW	<b>Seasonal space heating energy efficiency</b>	$\eta_s$	151	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature $T_j$				Declared coefficient of performance or primary energyratio for part load at indoor temperature 20 °C and outdoor temperature $T_j$			
$T_j = + 2 \text{ °C}$	<i>Pdh</i>	8,0	kW	$T_j = + 2 \text{ °C}$	<i>COPd</i>	2,12	-
$T_j = + 7 \text{ °C}$	<i>Pdh</i>	5,1	kW	$T_j = + 7 \text{ °C}$	<i>COPd</i>	3,34	-
$T_j = + 12 \text{ °C}$	<i>Pdh</i>	2,3	kW	$T_j = + 12 \text{ °C}$	<i>COPd</i>	4,91	-
$T_j = \text{bivalent temperature } \text{°C}$	<i>Pdh</i>	7,4	kW	$T_j = \text{bivalent temperature } \text{°C}$	<i>COPd</i>	2,36	-
Bivalent temperature	<i>Tbiv</i>	3	°C	Operation limit temperature	<i>TOL</i>	2	°C
Degradation co-efficient (**)	<i>Cdh</i>	0.9	-	Heating water operating limit temperature	<i>WTOL</i>	60	°C
<b>Power consumption in modes other than active mode</b>				<b>Other items</b>			
Off mode	<i>P<sub>OFF</sub></i>	0,02	kW	Capacity control	variable		
Thermostat-off mode	<i>P<sub>TO</sub></i>	0,02	kW	Sound power level, indoors/outdoors	<i>LWA</i>	- /67	dB
Standby mode	<i>P<sub>SB</sub></i>	0,02	kW	Annual energy consumption	<i>Q<sub>HE</sub></i>	2758	kWh
Crankcase heater mode	<i>P<sub>CK</sub></i>	0,05	kW	Rated airflow rate, outdoors	-		m <sup>3</sup> /h
<b>Supplementary heater</b>				Seasonal Coefficient of Performance	<i>SCOP</i>	3,87	-
Rated heat output (**)	<i>P<sub>sup</sub></i>	0,1	kW				
Contact details	Clima Control S.A. Parallel of Egnatia Street, Diavata Junction Thessaloniki, Greece			 <p>CLIMA CONTROL ΑΝΩΚΥΜΗ ΕΜΠΟΡΙΚΗ ΕΤΑΙΡΙΑ ΣΥΣΤΗΜΑΤΩΝ ΘΕΡΜΑΝΣΗΣ &amp; ΚΛΙΜΑΤΙΣΜΟΥ ΠΑΡΑΛΛ. ΕΓΝΑΤΙΑΣ ΟΔΟΥ ΚΟΜΒΟΣ ΔΙΑΒΑΤΩΝ Τ.Κ. 570 08 / Τ.Θ. 180 ΘΕΣΣΑΛΟΝΙΚΗ ΤΗΛ: 2310 600551 / 574920 FAX: 2310 574893 ΑΦΜ: 998306120 ΔΟΥ: ΦΑΕ ΘΕΣ/ΝΙΚΗΣ ΑΡ. ΜΑΕ: 65086/62/Β/08/0003</p>			

(\*) For heat pump space heaters and heat pump combination heaters, the rated heat output  $P_{rated}$  is equal to the design load for heating  $P_{designh}$ , and the rated heat output of a supplementary heater  $P_{sup}$  is equal to the supplementary capacity for heating  $sup(T_j)$ .

(\*\*) If  $C_{dh}$  is not determined by measurement then the default degradation coefficient is  $C_{dh} = 0,9$ .

# Product fiche concerning the COMMISSION DELEGATED REGULATIONS (EU)No 811/2013

## Technical parameters for heat pump space heaters and heat pump combination heater

Model: **ECONSET EasyTherm A-10**

Air-to-water heat pump: yes

Water-to-water heat pump: no

Brine-to-water heat pump: no

Low-temperature heat pump: no

Equipped with a supplementary heater: no

Heat pump combination heater: no

### Water outlet temperature: 35°C

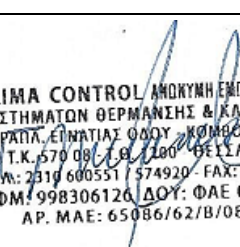
Parameters shall be declared for low-temperature application.

Parameters shall be declared for warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
<b>Rated heat output (*)</b>	<i>Prated</i>	10,6	kW	<b>Seasonal space heating energy efficiency</b>	$\eta_s$	200	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature $T_j$				Declared coefficient of performance or primary energyratio for part load at indoor temperature 20 °C and outdoor temperature $T_j$			
$T_j = + 2 \text{ °C}$	<i>Pdh</i>	10,6	kW	$T_j = + 2 \text{ °C}$	<i>COPd</i>	3,44	-
$T_j = + 7 \text{ °C}$	<i>Pdh</i>	6,8	kW	$T_j = + 7 \text{ °C}$	<i>COPd</i>	4,62	-
$T_j = + 12 \text{ °C}$	<i>Pdh</i>	3,0	kW	$T_j = + 12 \text{ °C}$	<i>COPd</i>	5,86	-
$T_j = \text{bivalent temperature } \text{°C}$	<i>Pdh</i>	10,6	kW	$T_j = \text{bivalent temperature } \text{°C}$	<i>COPd</i>	3,44	-
Bivalent temperature	<i>Tbiv</i>	2	°C	Operation limit temperature	<i>TOL</i>	2	°C
Degradation co-efficient (**)	<i>Cdh</i>	0,9	-	Heating water operating limit temperature	<i>WTOL</i>	60	°C
<b>Power consumption in modes other than active mode</b>				<b>Other items</b>			
Off mode	<i>P<sub>OFF</sub></i>	0,02	kW	Capacity control	variable		
Thermostat-off mode	<i>P<sub>TO</sub></i>	0,02	kW	Sound power level, indoors/outdoors	<i>LWA</i>	- /68	dB
Standby mode	<i>P<sub>SB</sub></i>	0,02	kW	Annual energy consumption	<i>QHE</i>	2796	kWh
Crankcase heater mode	<i>P<sub>CK</sub></i>	0,05	kW	Rated airflow rate, outdoors	-		m <sup>3</sup> /h
Supplementary heater				Seasonal Coefficient of Performance	<i>SCOP</i>	5,06	-
Rated heat output (**)	<i>P<sub>sup</sub></i>	-	kW				

**Water outlet temperature: 55°C**

Parameters shall be declared for medium-temperature application.  
Parameters shall be declared for warmer climate conditions.

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
<b>Rated heat output (*)</b>	<i>Prated</i>	8,6	kW	<b>Seasonal space heating energy efficiency</b>	$\eta_s$	149	%
Declared capacity for heating for part load at indoor temperature 20 °C and outdoor temperature $T_j$				Declared coefficient of performance or primary energyratio for part load at indoor temperature 20 °C and outdoor temperature $T_j$			
$T_j = + 2 \text{ °C}$	<i>Pdh</i>	8,6	kW	$T_j = + 2 \text{ °C}$	<i>COPd</i>	1,93	-
$T_j = + 7 \text{ °C}$	<i>Pdh</i>	5,6	kW	$T_j = + 7 \text{ °C}$	<i>COPd</i>	3,41	-
$T_j = + 12 \text{ °C}$	<i>Pdh</i>	2,5	kW	$T_j = + 12 \text{ °C}$	<i>COPd</i>	4,71	-
$T_j = \text{bivalent temperature } \text{°C}$	<i>Pdh</i>	8,0	kW	$T_j = \text{bivalent temperature } \text{°C}$	<i>COPd</i>	2,33	-
Bivalent temperature	<i>Tbiv</i>	3	°C	Operation limit temperature	<i>TOL</i>	2	°C
Degradation co-efficient (**)	<i>Cdh</i>	0.9	-	Heating water operating limit temperature	<i>WTOL</i>	60	°C
<b>Power consumption in modes other than active mode</b>				<b>Other items</b>			
Off mode	<i>P<sub>OFF</sub></i>	0,02	kW	Capacity control	variable		
Thermostat-off mode	<i>P<sub>TO</sub></i>	0,02	kW	Sound power level, indoors/outdoors	<i>LWA</i>	- /68	dB
Standby mode	<i>P<sub>SB</sub></i>	0,02	kW	Annual energy consumption	<i>Q<sub>HE</sub></i>	3028	kWh
Crankcase heater mode	<i>P<sub>CK</sub></i>	0,05	kW	Rated airflow rate, outdoors	-		m <sup>3</sup> /h
<b>Supplementary heater</b>				Seasonal Coefficient of Performance	<i>SCOP</i>	3,80	-
Rated heat output (**)	<i>P<sub>sup</sub></i>	-	kW				
Contact details	Clima Control S.A. Parallel of Egnatia Street, Diavata Junction Thessaloniki, Greece			 CLIMA CONTROL ΑΝΩΚΥΜΗ ΕΜΠΟΡΙΚΗ ΕΤΑΙΡΙΑ ΣΥΣΤΗΜΑΤΩΝ ΘΕΡΜΑΝΣΗΣ & ΚΛΙΜΑΤΙΣΜΟΥ ΠΑΡΑΛΛ. ΕΓΝΑΤΙΑΣ ΟΔΟΥ ΚΟΜΒΟΣ ΔΙΑΒΑΤΩΝ Τ.Κ. 570 08 / Τ.Θ. 100 ΘΕΣΣΑΛΟΝΙΚΗ ΤΗΛ: 2310 600551 / 574920 - FAX: 2310 574893 ΑΦΜ: 998306120 ΔΟΥ: ΦΑΕ ΘΕΣ/ΝΙΚΗΣ ΑΡ. ΜΑΕ: 65086/62/Β/08/0003			

(\*) For heat pump space heaters and heat pump combination heaters, the rated heat output  $P_{rated}$  is equal to the design load for heating  $P_{designh}$ , and the rated heat output of a supplementary heater  $P_{sup}$  is equal to the supplementary capacity for heating  $sup(T_j)$ .

(\*\*) If  $C_{dh}$  is not determined by measurement then the default degradation coefficient is  $C_{dh} = 0,9$ .