

# Product sheet

Trade name	ACV				R2017/1369 - Article 12
Product name	ILEA 12 SOLO		ILEA 20 SOLO		5.a)
ACV Reference	A1006858		A1006859		
References to the harmonised standards applied or other measurement standards used	15502-1+A1 2015 / 15502-2-1+A1 2017				5.b)
Specific precautions that shall be taken when the model is assembled, installed, maintained or tested	See installation and user manuals				5.c)
Testing conditions if not described sufficiently in used standards	Not applicable				5.f)
Condensing boiler	Yes				5.a)
Low temperature boiler	No				
B1 boiler	No				
<b>Space heating characteristics</b>					
Energy class	-	-	A	A	5.e)
Rated heat output	$P_{rated}$	kW	12	19	
Seasonal space heating energy efficiency	$\eta_s$	%	92	93	
Annual energy consumption	$Q_{HE}$	kWh	6944	16224	
<b>Acoustic features</b>					
Sound power level	$L_{WA}$	dBa	48	49	5.d)
<b>Useful heat output</b>					
At rated heat output and high-temperature regime(**)	$P_4$	kW	12	19	5.d)
At 30% of rated heat output and low-temperature regime (***)	$P_1$	kW	4.0	6.3	
<b>Useful efficiency</b>					
At rated heat output and high-temperature regime (**)	$\eta_4$	%	87.5	88.1	5.d)
At 30% of rated heat output and low-temperature regime (***)	$\eta_1$	%	97.9	97.4	
<b>Auxiliary electricity consumption</b>					
At full load	$e_{max}$	kW	0.026	0.027	5.d)
At part load	$e_{min}$	kW	0.011	0.010	
In standby mode	$P_{SB}$	kW	0.003	0.003	
<b>Other items</b>					
Standby heat loss	$P_{stby}$	kW	0.038	0.035	5.d)
Ignition burner power consumption	$P_{ign}$	kW	0	0	
Nox emission	NOx	mg/kWh	47	42	

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(\*\*) High-temperature regime means 60°C return temperature at heater inlet and 80°C feed temperature at heater outlet.

(\*\*\*) Low-temperature means for condensing boilers 30°C, for low-temperature boilers 37°C and for other heaters 50°C return temperature (at heater inlet).

# Product sheet

Trade name	ACV			R2017/1369 - Article 12		
Product name	ILEA 18/25	ILEA 22/30	ILEA 25/35	5.a)		
ACV Reference	A1006860	A1006861	A1006862			
References to the harmonised standards applied or other measurement standards used	15502-1+A1 2015 / 15502-2-1+A1 2017/13203-2-2015			5.b)		
Specific precautions that shall be taken when the model is assembled, installed, maintained or tested	See installation and user manuals			5.c)		
Testing conditions if not described sufficiently in used standards	Not applicable			5.f)		
Condensing boiler	Yes	Yes	Yes	5.a)		
Low temperature boiler	No	No	No			
B1 boiler	No	No	No			
Combination heater	Yes	Yes	Yes			
<b>Space heating characteristics</b>						
Energy class	-	-	A	A	A	5.e)
Rated heat output	$P_{rated}$	kW	19	22	25	
Seasonal space heating energy efficiency	$\eta_s$	%	93	92	93	
Annual energy consumption	$Q_{HE}$	kWh	16224	18874	21413	
<b>Domestic hot water production characteristics</b>						
Declared load profile	-	-	L	XL	XL	5.d)
Energy class	-	-	A	A	A	5.e)
Water heating energy efficiency	$\eta_{wh}$	%	88	82	81	5.d)
Annual fuel consumption	AFC	kWh	2778	4919	4933	5.e)
Annual electricity consumption	AEC	kWh	26	49	49	
Daily fuel consumption	$Q_{fuel}$	kWh	12.627	22.359	22.423	5.d)
Daily electricity consumption	$Q_{elec}$	kWh	0.118	0.221	0.224	
<b>Acoustic features</b>						
Sound power level	$L_{WA}$	dBa	49	49	49	5.d)
<b>Useful heat output</b>						
At rated heat output and high-temperature regime (**)	$P_4$	kW	19	22	25	5.d)
At 30% of rated heat output and low-temperature regime (***)	$P_1$	kW	6.26	7.3	8.4	
<b>Useful efficiency</b>						
At rated heat output and high-temperature regime (**)	$\eta_4$	%	88.1	87.5	88.1	5.d)
At 30% of rated heat output and low-temperature regime (***)	$\eta_1$	%	97.4	97.5	98.5	
<b>Auxiliary electricity consumption</b>						
At full load	$e_{max}$	kW	0.027	0.025	0.027	5.d)
At part load	$e_{min}$	kW	0.010	0.011	0.012	
In standby mode	$P_{SB}$	kW	0.003	0.003	0.003	
<b>Other items</b>						
Standby heat loss	$P_{stby}$	kW	0.035	0.035	0.035	5.d)
Ignition burner power consumption	$P_{ign}$	kW	0	0	0	
Nox emission	NOx	mg/kWh	42	56	43	

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(\*\*) High-temperature regime means 60°C return temperature at heater inlet and 80°C feed temperature at heater outlet.

(\*\*\*) Low-temperature means for condensing boilers 30°C, for low-temperature boilers 37°C and for other heaters 50°C return temperature (at heater inlet).

# Product sheet

Trade name			ACV		R2017/1369 - Article 12		
Product name			ILEA EXCELLENCE	ILEA EXCELLENCE 25/35 BE	5.a)		
ACV Reference			A1006864	A1006865			
References to the harmonised standards applied or other measurement standards used			15502-1+A1 2015 / 15502-2-1+A1 2017/13203-2-2015		5.b)		
Specific precautions that shall be taken when the model is assembled, installed, maintained or tested			See installation and user manuals		5.c)		
Testing conditions if not described sufficiently in used standards			Not applicable		5.f)		
Condensing boiler			Yes	Yes	5.a)		
Low temperature boiler			No	No			
B1 boiler			No	No			
Combination heater			Yes	Yes			
<b>Space heating characteristics</b>							
Energy class			-	-	5.e)		
Rated heat output			$P_{rated}$	kW		22	25
Seasonal space heating energy efficiency			$\eta_s$	%		92	93
Annual energy consumption			$Q_{HE}$	kWh		18957	21522
<b>Domestic hot water production characteristics</b>							
Declared load profile			-	-	XL	XL	5.d)
Energy class			-	-	A	B	5.e)
Water heating energy efficiency			$\eta_{wh}$	%	81	74	5.d)
Annual fuel consumption			AFC	kWh	5000	5294	5.e)
Annual electricity consumption			AEC	kWh	59	58	
Daily fuel consumption			$Q_{fuel}$	kWh	22.727	24.064	5.d)
Daily electricity consumption			$Q_{elec}$	kWh	0.268	0.263	
<b>Acoustic features</b>							
Sound power level			$L_{WA}$	dBa	49	50	5.d)
<b>Useful heat output</b>							
At rated heat output and high-temperature regime(**)			$P_4$	kW	21.6	25	5.d)
At 30% of rated heat output and low-temperature regime (***)			$P_1$	kW	7.26	8.38	
<b>Useful efficiency</b>							
At rated heat output and high-temperature regime (**)			$\eta_4$	%	87.6	88.11	5.d)
At 30% of rated heat output and low-temperature regime (***)			$\eta_1$	%	98.2	98.46	
<b>Auxiliary electricity consumption</b>							
At full load			$e_{max}$	kW	0.032	0.031	5.d)
At part load			$e_{min}$	kW	0.012	0.012	
In standby mode			$P_{SB}$	kW	0.004	0.003	
<b>Other items</b>							
Standby heat loss			$P_{stby}$	kW	0.082	0.069	5.d)
Ignition burner power consumption			$P_{ign}$	kW	0	0	
Nox emission			NOx	mg/kWh	36.3	43	

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(\*\*\*) Low-temperature means for condensing boilers 30°C, for low-temperature boilers 37°C and for other heaters 50°C return temperature (at heater inlet).