## **Product sheet**

Trade name			A	R2017/1369 - Article 12	
Product name			ILEA 12 SOLO	ILEA 20 SOLO	5.a)
ACV Reference	A1006354	A1006355			
References to the harmonised standard measurement standards used	15502-1+A1 2 1+A1	5.b)			
Specific precautions that shall be taken assembled, installed, maintained or tes	See installat mar	5.c)			
Testing conditions if not described suff	Not ap	5.f)			
Condensing boiler			Y	es	
Low temperature boiler	N	5.a)			
B1 boiler	N				
Space heating characteristics					
Energy class	-	-	А	Α	5.e)
Rated heat output	P <sub>rated</sub>	kW	12	19	
Seasonal space heating energy	$\eta_{s}$	%	92	92	
efficiency					
Annual energy consumption	Q <sub>HE</sub>	kWh	6944	10766	
Acoustic features					
Sound power level		dBa	48	48	5.d)
Useful heat output					
At rated heat output and high-	$P_4$	kW	12	19	- 5.d)
temperature regime(**) At 30% of rated heat output and low- temperature regime (***)	P <sub>1</sub>	kW	4.0	6.3	
Useful effiency					
At rated heat output and hightemperature regime (**)	$\eta_4$	%	87.5	86.3	5.d)
At 30% of rated heat output and low-temperature regime (***)	$\eta_1$	%	97.9	97.3	<b>5.</b> 0)
Auxiliary electricity consumption					
At full load	elmax	kW	0.026	0.031	5.d)
At part load	elmin	kW	0.011	0.012	
In standby mode	$P_SB$	kW	0.003	0.003	
Other items					
Standby heat loss	$P_{stby}$	kW	0.038	0.033	
Ignition burner power consumption	$P_{ign}$	kW	0	0	5.d)
Nox emission	NOx	mg/kWh	47	44.9	

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<sup>(\*\*)</sup> 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			A1006356	A1006357	A1006358	] 3.2,		
References to the harmonised standards applied or other measurement			15502-1+A1 2015 / 15502-2-1+A1			5.b)		
standards used	20	)15	5.0)					
Specific precautions that shall be taken when the	See insta	5.c)						
installed, maintained or tested Testing conditions if not described sufficiently in u		5.f)						
Condensing boiler	iscu stanua	ius	Yes	Not applicable Yes	Yes	3.1)		
Low temperature boiler			No	No No	No	1		
B1 boiler			No	No	No	5.a)		
Combination heater			Yes	Yes	Yes			
			162	res	res			
Space heating characteristics Energy class	-	_	Α	А	A			
				22	25			
Rated heat output	P <sub>rated</sub>	kW	19 92	93	93	5.e)		
Seasonal space heating energy efficiency	η <sub>s</sub>	% LAA/I-				_		
Annual energy consumption	Q <sub>HE</sub>	kWh	10766	12429	14402			
Domestic hot water production characteristics		1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	l ,,,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\		
Declared load profile	-	-	XL	XL	XL	5.d)		
Energy class	-	-	A	A	A	5.e)		
Water heating energy efficiency	$\eta_{ m wh}$	%	86	84	84	5.d)		
Annual fuel consumption	AFC	kWh	4700	4772	4747	5.e)		
Annual electricity consumption	AEC	kWh	51	56	54	<u> </u>		
Daily fuel consumption	Q <sub>fuel</sub>	kWh	21.364	21.691	21.577	5.d)		
Daily electricity consumption	Q <sub>elec</sub>	kWh	0.232	0.255	0.245	,		
Acoustic features				ī				
Sound power level	L <sub>WA</sub>	dBa	48	48	48	5.d)		
Useful heat output				T				
At rated heat output and high-temperature	$P_4$	kW	19	22	25			
regime(**) At 30% of rated heat output and low-						5.d)		
temperature regime (***)	$P_1$	kW	6.26	7.2	8			
Useful effiency				L				
At rated heat output and high-temperature			06.5	05.5	07.5			
regime (**)	$\eta_4$	%	86.3	87.6	87.6	5.d)		
At 30% of rated heat output and low-	$\eta_1$	%	97.3	98.0	97.7			
temperature regime (***)	'11	70	37.3	36.0	37.7			
Auxiliary electricity consumption				ī				
At full load	elmax	kW	0.031	0.032	0.031	4		
At part load	elmin	kW	0.012	0.012	0.011	5.d)		
In standby mode	P <sub>SB</sub>	kW	0.003	0.004	0.003			
Other items				1				
Standby heat loss	$P_{stby}$	kW	0.033	0.033	0.033			
Ignition burner power consumption	$P_{ign}$	kW	0	0	0	5.d)		
Nox emission	NOx	mg/kWh	44.9	36.3	47.5			

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

<sup>(\*\*\*)</sup> 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**

See installation and user manuals   S.c.)	Trade name				ACV	R2017/1369 - Article 12		
EXCELLENCE   25/35   5.a)	Product name			ILEA	ILEA EXCELLENCE			
See installation and user manuals   See installation and user manuals   See						5.a)		
Specific precautions that shall be taken when the model is assembled, installed, maintained or tested   See installation and user manuals   S.c.) installed, maintained or tested   See installation and user manuals   S.c.) installed, maintained or tested   See installation and user manuals   S.c.) installed, maintained or tested   See installation and user manuals   S.c.) installed, maintained or tested   See installation and user manuals   S.c.) installed, maintained or tested   See installation and user manuals   S.c.) installed, maintained or tested   S.c.)   S.c.					•			
See installed, maintained or tested   See installation and user manuals   S.c.	References to the harmonised standards applied or other measurement standards used				5.b)			
Installed, maintained or tested    Condensing boiler	•	odel is as	sembled,	See instal	lation and user manuals	5.c)		
Yes   Yes   Yes   No   No   No   No   No   No   No   N								
No   No   No   No   No   No   No   No		ed standa	rds		Not applicable	5.f)		
Section   Sect	Condensing boiler			Yes	Yes			
No	Low temperature boiler			No	No	5 2)		
Space heating characteristics   Energy class   -	B1 boiler			No	No	J.a <sub>j</sub>		
Energy class	Combination heater			Yes	Yes			
Energy class	Space heating characteristics							
Seasonal space heating energy efficiency	Energy class	-	-	А	А			
Seasonal space heating energy efficiency	Rated heat output	P <sub>rated</sub>	kW	22	25	<b>1</b>		
Annual energy consumption   Q <sub>HE</sub>   kWh   12426   14402	Seasonal space heating energy efficiency		%	93	93	5.e)		
Domestic hot water production characteristics   Declared load profile     XL   XL   S.d	Annual energy consumption				14402			
Declared load profile   -								
Energy class	Declared load profile	-	-	XL	XL	5.d)		
Water heating energy efficiency		-	-		В			
Annual fuel consumption		n <sub>wh</sub>	%	80.7	62.9			
Annual electricity consumption AEC kWh 59 53 Daily fuel consumption Q <sub>tuel</sub> kWh 22.236 26.264 Daily electricity consumption Q <sub>elec</sub> kWh 0.268 0.241  Acoustic features Sound power level L <sub>WA</sub> dBa 51 50 5.d)  Useful heat output At rated heat output and high-temperature regime (**) At 30% of rated heat output and low-temperature regime (***) Useful effiency At rated heat output and high-temperature regime (***) At 30% of rated heat output and low-temperature regime (***) At 30% of rated heat output and low-temperature regime (***) At 30% of rated heat output and high-temperature regime (***) At 30% of rated heat output and low-temperature regime (***) At 430% of rated heat output and low-temperature regime (***) At 41 and 0 elmin kW 0.032 97.65  At 42 part load elmin kW 0.012 0.012 5.d) In standby mode P <sub>SB</sub> kW 0.004 0.003  Other items  Standby heat loss P <sub>Stby</sub> kW 0.082 0.084 Ignition burner power consumption P <sub>jgn</sub> kW 0 0 0 5.d)								
Daily fuel consumption   Q <sub>fuel</sub>   kWh   22.236   26.264   Daily electricity consumption   Q <sub>elec</sub>   kWh   0.268   0.241   S.d.	•					5.e)		
Daily electricity consumption   Qelec   kWh   0.268   0.241								
Acoustic features         L <sub>WA</sub> dBa         51         50         5.d)           Useful heat output         At rated heat output and high-temperature regime (**)         P <sub>4</sub> kW         21.6         25         5.d)           At 30% of rated heat output and low-temperature regime (***)         P <sub>1</sub> kW         7.26         8.36         8.36           Useful effiency         At rated heat output and high-temperature regime (***)         η <sub>4</sub> %         87.6         87.57         5.d)           At 30% of rated heat output and low-temperature regime (***)         η <sub>1</sub> %         98.2         97.65         5.d)           At your float (***)         At full load         elmax         kW         0.032         0.031         5.d)           At part load         elmin kW         0.012         0.012         5.d)           Other items         Standby heat loss         P <sub>stby</sub> kW         0.082         0.084           Ignition burner power consumption         P <sub>stby</sub> kW         0         0         5.d)	·					5.d)		
Sound power level   L <sub>WA</sub>   dBa   51   50   5.d   S.d		eiec	KVVII	0.200	0.2.12			
Useful heat output   Altrated heat output and high-temperature   P <sub>4</sub>   kW   21.6   25   25   25   25   25   25   25   2		I	dBa	51	50	E d)		
At rated heat output and high-temperature regime (**)  At 30% of rated heat output and low-temperature regime (***)  At 30% of rated heat output and low-temperature regime (***)  Useful effiency  At rated heat output and high-temperature regime (**)  At 30% of rated heat output and low-temperature regime (**)  At 30% of rated heat output and low-temperature regime (***)  At 30% of rated heat output and low-temperature regime (***)  Auxiliary electricity consumption  At full load elmax kW 0.032 0.031  At part load elmin kW 0.012 0.012 5.d)  In standby mode P <sub>SB</sub> kW 0.004 0.003  Other items  Standby heat loss P <sub>Stby</sub> kW 0.082 0.084  Ignition burner power consumption P <sub>ign</sub> kW 0 0 0 5.d)		-WA	ива	31	30	5.u)		
Feat	•							
At 30% of rated heat output and low-temperature regime (***)  Useful effiency  At rated heat output and high-temperature regime (***)  At 30% of rated heat output and high-temperature regime (***)  At 30% of rated heat output and low-temperature regime (***)  At 30% of rated heat output and low-temperature regime (***)  Auxiliary electricity consumption  At full load elmax kW 0.032 0.031  At part load elmin kW 0.012 0.012  In standby mode P <sub>SB</sub> kW 0.004 0.003  Other items  Standby heat loss P <sub>stby</sub> kW 0.082 0.084  Ignition burner power consumption P <sub>ign</sub> kW 0 0 0 5.d)		$P_4$	kW	21.6	25			
P <sub>1</sub>   RW   7.26   8.36   8.36	At 30% of rated heat output and low-temperature		1347	7.20	0.36	5.d)		
At rated heat output and high-temperature regime $\eta_4$ % 87.6 87.57 87.6 At 30% of rated heat output and low-temperature regime $\eta_1$ % 98.2 97.65 97	regime (***)	ν <sub>1</sub>	KW	7.26	8.36			
(**)       η <sub>4</sub> %       87.5       87.57         At 30% of rated heat output and low-temperature regime (***)       η <sub>1</sub> %       98.2       97.65         Auxiliary electricity consumption       Elmax       kW       0.032       0.031         At part load       elmin       kW       0.012       0.012       5.d)         In standby mode       P <sub>SB</sub> kW       0.004       0.003       0.003         Other items       Standby heat loss       P <sub>Stby</sub> kW       0.082       0.084       0.084         Ignition burner power consumption       P <sub>ign</sub> kW       0       0       5.d)	Useful effiency							
At 30% of rated neat output and low-temperature regime (***)  Auxiliary electricity consumption  At full load elmax kW 0.032 0.031  At part load elmin kW 0.012 0.012  In standby mode P <sub>SB</sub> kW 0.004 0.003  Other items  Standby heat loss P <sub>stby</sub> kW 0.082 0.084  Ignition burner power consumption P <sub>ign</sub> kW 0 0 0 5.d)	At rated heat output and high-temperature regime (**)	$\eta_4$	%	87.6	87.57	F 41\		
Auxiliary electricity consumption           At full load         elmax         kW         0.032         0.031           At part load         elmin         kW         0.012         0.012         5.d)           In standby mode         P <sub>SB</sub> kW         0.004         0.003           Other items         Standby heat loss         P <sub>Stby</sub> kW         0.082         0.084           Ignition burner power consumption         P <sub>ign</sub> kW         0         0         5.d)	At 30% of rated heat output and low-temperature regime (***)	$\eta_1$	%	98.2	97.65	5.0)		
At full load elmax kW 0.032 0.031  At part load elmin kW 0.012 0.012  In standby mode P <sub>SB</sub> kW 0.004 0.003  Other items  Standby heat loss P <sub>stby</sub> kW 0.082 0.084  Ignition burner power consumption P <sub>ign</sub> kW 0 0 0 5.d)	Auxiliary electricity consumption							
At part load elmin kW 0.012 0.012 5.d) In standby mode $P_{SB}$ kW 0.004 0.003  Other items Standby heat loss $P_{Stby}$ kW 0.082 0.084 Ignition burner power consumption $P_{ign}$ kW 0 0 0 5.d)	At full load	elmax	kW	0.032	0.031			
In standby mode $P_{SB}$ kW $0.004$ $0.003$ Other items  Standby heat loss $P_{Stby}$ kW $0.082$ $0.084$ Ignition burner power consumption $P_{ign}$ kW $0$ $0$ $0$ $0$ $0$ $0$						5.d)		
Other items  Standby heat loss						=,		
Standby heat loss $P_{stby}$ kW 0.082 0.084 Ignition burner power consumption $P_{ign}$ kW 0 0 5.d)	•	JU						
Ignition burner power consumption P <sub>ign</sub> kW 0 0 5.d)		Path	kW/	0.082	0.084			
	-					5.d)		
IIIS/ IIIS/ IVVII JUIJ   IIIS	Nox emission	NOx	mg/kWh	36.3	47.5	<b>–</b> 5.0,		

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<sup>(\*\*)</sup> High-temperature regime means  $60^{\circ}$ C return temperature at heater inlet and  $80^{\circ}$ C feed temperature at heater outlet.

<sup>(\*\*\*)</sup> 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).