



**ECODESIGN REQUIREMENTS FOR SOLID FUEL LOCAL SPACE HEATERS
ACCORDING TO COMMISSION REGULATION (EU) 2015/1185 IMPLEMENTING DIRECTIVE
2009/125/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**

Model Identifier(s):	67010306_08
Indirect heating functionality:	no
Direct heat output:	8,1
Indirect heat output:	-

Fuel	Preferred fuel (only one):	Other suitable fuel(s):	η_s [%]:	Space heating emissions at nominal heat output (*)				Space heating emissions at minimum heat output (*) (**)				
				PM	OGC	CO	NO _x	PM	OGC	CO	NO _x	
				mg/Nm ³ (13%O ₂)				mg/Nm ³ (13%O ₂)				
Wood logs with moisture content ≤ 25 %	no	no										
Compressed wood with moisture content < 12 %	yes	no	88	14	4	100	97	10	2	106	88	
Other woody biomass	no	no										
Non-woody biomass	no	no										
Anthracite and dry steam coal	no	no										
Hard coke	no	no										
Low temperature coke	no	no										
Bituminous coal	no	no										
Lignite briquettes	no	no										
Peat briquettes	no	no										
Blended fossil fuel briquettes	no	no										
Other fossil fuel	no	no										
Blended biomass and fossil fuel briquettes	no	no										
Other blend of biomass and solid fuel	no	no										





Characteristics when operating with the preferred fuel only:

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Heat output				Useful efficiency (NCV as received)			
Nominal heat output	P_{nom}	8,1	kW	Useful efficiency at nominal heat output	$\eta_{th,nom}$	90,7	%
Minimum heat output (indicative)	P_{min}	3,1	kW	Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$	94,5	%
Auxiliary electricity consumption				Type of heat output/room temperature control (select one)			
At nominal heat output	el_{max}	0,040	kW	single stage heat output, no room temperature control		no	
At minimum heat output	el_{min}	0,027	kW	two or more manual stages, no room temperature control		no	
In standby mode	el_{SB}	0,001	kW	with mechanic thermostat room temperature control		no	
Permanent pilot flame power requirement				with electronic room temperature control		no	
Pilot flame power requirement (if applicable)	P_{pilot}	n.p.	kW	with electronic room temperature control plus day timer		no	
				with electronic room temperature control plus week timer		yes	
				Other control options (multiple selections possible)			
				room temperature control, with presence detector		no	
				room temperature control, with open window detection		no	
				with distance control option		yes	

Contact details	Name and address of the manufacturer or its authorised representative
+39 0376 57001 +39 0376 660556 info@unical-ag.com www.unicalag.it	Unical AG SpA Via Roma, 123 - 46033 Castel D'Ario (MN) - IT

(*) PM = particulate matter, OGC = organic gaseous compounds, CO = carbon monoxide, NO_x = nitrogen oxides

(**) Only required if correction factors F(2) or F(3) are applied

Note:

F(2)	7
F(3)	1
Technical report ref.	2011863/01

Approved by
Maurizio Lorenzon
Industry Division Manager



Come da allegato all'attestato inerente il report tecnico n. 2011863/01 del 16/01/2023

How from annex to the declaration concerning Technical report n. 2011863/01 of the 16/01/2023

E in conformità al punto 9.2.1 della norma EN 14785:2006, l'azienda Unical AG SpA dichiara che gli apparecchi:

And according to sub-clause 9.2.1 of the standard EN 14785:2006, the company Unical AG SpA declare that the appliances:

Modelli / Models con (ID MODEL)	67010306_08
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sono rappresentativi della famiglia a cui appartengono i seguenti modelli:

are representative of the family to which belong the following models:

Marchio commerciale Trade mark	SCHUSTER	
Modelli / Models	67010306_08	OLEA 8 - 5★
	67010306_08	ILDE 8 - 5★
	67010306_08	ZENA 9 - 5★
	67010307_08	OLEA 8 E - 5★
	67010307_08	ILDE 8 E - 5★
	67010307_08	ZENA 9 E - 5★
	67010306_08	CLEA 8 - 5★
	67010306_08	ZENA V 9 - 5★

Direttore Divisione Bioenergy

Gambellara, 18/01/2023

Nicola Micheletti

Unical AG S.p.A.

SEDE: Via Roma, 123 - CASTEL D'ARIO (MN)
C.F.P.IVA 01501350209

DIVISIONE: Viale Europa, 3/5
36053 Gambellara (VI)



**ECODESIGN REQUIREMENTS FOR SOLID FUEL LOCAL SPACE HEATERS
ACCORDING TO COMMISSION REGULATION (EU) 2015/1185 IMPLEMENTING DIRECTIVE
2009/125/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL**

Model Identifier(s):	67010306_10
Indirect heating functionality:	no
Direct heat output:	9,9
Indirect heat output:	-

Fuel	Preferred fuel (only one):	Other suitable fuel(s):	η_s [%]:	Space heating emissions at nominal heat output (*)				Space heating emissions at minimum heat output (*) (**)			
				PM	OGC	CO	NO _x	PM	OGC	CO	NO _x
				mg/Nm ³ (13%O ₂)				mg/Nm ³ (13%O ₂)			
Wood logs with moisture content ≤ 25 %	no	no									
Compressed wood with moisture content < 12 %	yes	no	86	15	4	104	100	10	2	106	88
Other woody biomass	no	no									
Non-woody biomass	no	no									
Anthracite and dry steam coal	no	no									
Hard coke	no	no									
Low temperature coke	no	no									
Bituminous coal	no	no									
Lignite briquettes	no	no									
Peat briquettes	no	no									
Blended fossil fuel briquettes	no	no									
Other fossil fuel	no	no									
Blended biomass and fossil fuel briquettes	no	no									
Other blend of biomass and solid fuel	no	no									





Characteristics when operating with the preferred fuel only:

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Heat output				Useful efficiency (NCV as received)			
Nominal heat output	P_{nom}	9,9	kW	Useful efficiency at nominal heat output	$\eta_{th,nom}$	88,9	%
Minimum heat output (indicative)	P_{min}	3,1	kW	Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$	94,5	%
Auxiliary electricity consumption				Type of heat output/room temperature control (select one)			
At nominal heat output	$e_{l,max}$	0,042	kW	single stage heat output, no room temperature control		no	
At minimum heat output	$e_{l,min}$	0,027	kW	two or more manual stages, no room temperature control		no	
In standby mode	$e_{l,SB}$	0,001	kW	with mechanic thermostat room temperature control		no	
Permanent pilot flame power requirement				with electronic room temperature control		no	
Pilot flame power requirement (if applicable)	P_{pilot}	n.p.	kW	with electronic room temperature control plus day timer		no	
				with electronic room temperature control plus week timer		yes	
				Other control options (multiple selections possible)			
				room temperature control, with presence detector		no	
				room temperature control, with open window detection		no	
				with distance control option		yes	

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(*) PM = particulate matter, OGC = organic gaseous compounds, CO = carbon monoxide, NO_x = nitrogen oxides

(**) Only required if correction factors F(2) or F(3) are applied

Note:

F(2)	7
F(3)	1
Technical report ref.	2011863/01

Approved by
Maurizio Lorenzon
Industry Division Manager



Come da allegato all'attestato inerente il report tecnico n. 2011863/01 del 16/01/2023

How from annex to the declaration concerning Tecnichal report n. 2011863/01 of the 16/01/2023

E in conformità al punto 9.2.1 della norma EN 14785:2006, l'azienda Unical AG SpA dichiara che gli apparecchi:

And according to sub-clause 9.2.1 of the standard EN 14785:2006, the company Unical AG SpA declare that the appliances:

Modelli / Models con (ID MODEL)	67010306_10
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sono rappresentativi della famiglia a cui appartengono i seguenti modelli:
are representative of the family to which belong the following models:

Marchio commerciale Trade mark	SCHUSTER	
Modelli / Models	67010306_10	OLEA 10 - 5★
	67010306_10C	OLEA 10 1C - 5★
	67010306_10	ILDE 10 - 5★
	67010306_10C	ILDE 10 1C - 5★
	67010306_10	ZENA 11 - 5★
	67010306_10C	ZENA 11 1C - 5★
	67010307_10	OLEA 10 E - 5★
	67010307_10C	OLEA 10 1C E - 5★
	67010307_10	ILDE 10 E - 5★
	67010307_10C	ILDE 10 1C E - 5★
	67010307_10	ZENA 11 E - 5★
	67010307_10C	ZENA 11 1C E - 5★
	67010306_10	CLEA 10 - 5★
	67010306_10C	CLEA 10 1C - 5★
	67010306_10	ZENA V 11 - 5★
	67010306_10C	ZENA V 11 1C - 5★

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Gambellara, 18/01/2023



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ACCORDING TO COMMISSION REGULATION (EU) 2015/1185 IMPLEMENTING DIRECTIVE
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Model Identifier(s):	67010303_15C
Indirect heating functionality:	no
Direct heat output:	13,6
Indirect heat output:	-

Fuel	Preferred fuel (only one):	Other suitable fuel(s):	η_s [%]:	Space heating emissions at nominal heat output (*)				Space heating emissions at minimum heat output (*) (**)				
				PM	OGC	CO	NO _x	PM	OGC	CO	NO _x	
				mg/Nm ³ (13%O ₂)				mg/Nm ³ (13%O ₂)				
Wood logs with moisture content ≤ 25 %	no	no										
Compressed wood with moisture content < 12 %	yes	no	85	14	3	247	100	19	1	29	117	
Other woody biomass	no	no										
Non-woody biomass	no	no										
Anthracite and dry steam coal	no	no										
Hard coke	no	no										
Low temperature coke	no	no										
Bituminous coal	no	no										
Lignite briquettes	no	no										
Peat briquettes	no	no										
Blended fossil fuel briquettes	no	no										
Other fossil fuel	no	no										
Blended biomass and fossil fuel briquettes	no	no										
Other blend of biomass and solid fuel	no	no										





Characteristics when operating with the preferred fuel only:

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Heat output				Useful efficiency (NCV as received)			
Nominal heat output	P_{nom}	13,6	kW	Useful efficiency at nominal heat output	$\eta_{th,nom}$	88,7	%
Minimum heat output (indicative)	P_{min}	4,9	kW	Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$	93,4	%
Auxiliary electricity consumption				Type of heat output/room temperature control (select one)			
At nominal heat output	$e_{l,max}$	0,094	kW	single stage heat output, no room temperature control		no	
At minimum heat output	$e_{l,min}$	0,073	kW	two or more manual stages, no room temperature control		no	
In standby mode	$e_{l,SB}$	0,002	kW	with mechanic thermostat room temperature control		no	
Permanent pilot flame power requirement				with electronic room temperature control		no	
Pilot flame power requirement (if applicable)	P_{pilot}	n.p.	kW	with electronic room temperature control plus day timer		no	
				with electronic room temperature control plus week timer		yes	
				Other control options (multiple selections possible)			
				room temperature control, with presence detector		no	
				room temperature control, with open window detection		no	
				with distance control option		yes	

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(*) PM = particulate matter, OGC = organic gaseous compounds, CO = carbon monoxide, NO_x = nitrogen oxides
 (**) Only required if correction factors F(2) or F(3) are applied

Note:

F(2)	7
F(3)	1
Technical report ref.	2011942/01

Approved by
Maurizio Lorenzon
 Industry Division Manager



Come da allegato all'attestato inerente il report tecnico n. 2011942/01 del 20/04/2023

How from annex to the declaration concerning Tecnichal report n. 2011942/01 of the 20/04/2023

E in conformità al punto 9.2.1 della norma EN 14785:2006, l'azienda Unical AG SpA dichiara che gli apparecchi:

And according to sub-clause 9.2.1 of the standard EN 14785:2006, the company Unical AG SpA declare that the appliances:

Modelli / Models con (ID MODEL)	67010303_15C
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sono rappresentativi della famiglia a cui appartengono i seguenti modelli:
are representative of the family to which belong the following models:

Marchio commerciale <i>Trade mark</i>	SCHUSTER	
Modelli / Models	67010327_15C	CLEA 15 1C E - 5★
	67010327_15C	ZENA 15 1C E - 5★
	67010327_15C	ZENA V 15 1C E - 5★

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