

Sofia 1220, 8, Istoria Slavianobulgarska Blvd., Bulgaria

CERTIFICATION, TESTING, SUPERVISION OF DEVICES WITH INCREASED RISK

	NoDI-154/06.07.2022
Trade mark:	"ÇALIŞKAN Emaye ve İsi Cihazları A.Ş"
Appliance:	Solid fuel /wood / cooking and heating stove
Model:	"214-3D"
Trade name:	214-Box
Stoking mode:	Manual
Indirect heating functionality:	No
Direct heat output:	6.42 kW
Indirect heat output:	not applicable

Fuel	Prefe rred	Oth er	η _s (%)	Emiss	ions at n	ominal hea	Emissions at reduced heat output				
	fuel	suit		PM	OGC	CO	NOx	PM	OGC	CO	NOx
	(only	abl				n	ng/m^3 at 13	3% O ₂	1		
	one)	e									
		fuel	i i	-							
		(s)		22.25	10610	104554	101.44	T	1	Γ .	T
Log wood, moisture content ≤25%	yes	no	67.85	32.27	26.12	1347.54	191.44	-		-	-
Chipped wood, moisture content 15- 35%	no	no									
Chipped wood, moisture content >35%	no	no									
Compressed wood in the form of pellets or briquettes	no	no				,					
Sawdust, moisture content≤50%	no	no									
Non-woody biomass	no	no									
Bituminous coal	no	no								1	
Brown coal (including briquettes)	no	no									
Coke	no	no									
Anthracite	no	no			-						
Blended fossil fuel briquettes	no	no									
Other fossil fuel	no	no									
Blended biomass (30- 70%) fossil fuel	no	no									



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briquettes						-	
Other blend of	no	no					
biomass and fossil fuel							-3

Characteristics when operating with the preferred fuel only:

Characteristics when		<u> </u>		· · · · · · · · · · · · · · · · · · ·				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Useful he	at output			U	seful effici	iency		
At rated heat output	P _n	6.42	kW	At rated heat output	η_n	77.85	%	
At (30%/50%) of rated heat output if it's applicable	Pp	-	kW	At (30%/50%) of rated otput if applicable	ηρ	-	%	
Auxiliary electricity consur	nption			Type of heat output	room tem	perature co	ontrol	
At rated heat output	el _{max}	-	kW	Single stage heat outproom temperature con	out, no	Yes/no	Yes	
				Two or more manual room temperature con		Yes/no	No	
				With mechanic therm room temperature con	ostat	Yes/no	No	
At (30%/50%) of rated otput if applicable	el _{min}	-	kW	With electronic room temperature control	Yes/no	No		
In standby mode	P _{SB}	-	kW	With electronic room temperature control p		Yes/no	No	
Permanent pilot flame pow	er require	ment		With electronic room temperature control plus week timer				
Pilot flame power /if applicable/	P _{pilot}	N.A.	kW	Other control option	as	·•		
				Room temperature co		Yes/no	No	
•				Room temperature co		Yes/no	No	
				With distance control		Yes/no	No	

CONCLUSION:

Solid fuel /wood/ cooking and heating stove "214-3D" MEET THE REQUIREMENTS OF Annex II "Ecodesign Requirements" of REGULATION (EU) 2015/1185.

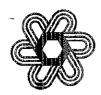
Contact details	Name and address of the manufacturer or its authorised representative
Phone: +90 258 269 10 23	"ÇALIŞKAN Emaye ve Isı Cihazları A.Ş" Address: Hüsnü Örnek Caddesi No:12, Organize Sanayi
	Bölgesi, Denizli / Türkiye

Prepared by:

/M. Vasileva/

Manager:.

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Sofia 1220, 8, Istoria Slavianobulgarska Blvd., Bulgaria

CERTIFICATION, TESTING, SUPERVISION OF DEVICES WITH INCREASED RISK

	№DI-156/06.07.2022
Trade mark:	"ÇALIŞKAN Emaye ve İsi Cihazları A.Ş "
Appliance:	Solid fuel /wood / heating stove
Model:	"304-3D TURBO"
Stoking mode:	Manual
Indirect heating functionality:	No
Direct heat output:	7.23 kW
Indirect heat output:	not applicable

Fuel	Prefe rred	Oth er	η _s (%)	η_s (%) Emissions at nominal heat output						Emissions at reduced heat output				
	fuel	suit		PM	OGC	CO	NOx	PM	OGC	CO	NOx			
	(only	abl		7 141	1000		$\frac{100 \text{ k}}{12 \text{ m}^3 \text{ at } 13}$		_ 000					
	one)	e					15) III at 12	7002						
		fuel												
		(s)_				· · · · · · · · · · · · · · · · · · ·								
Log wood, moisture content ≤25%	yes	no	65.80	32.28	27.66	1400.90	186.32		-	-	IM:			
Chipped wood, moisture content 15- 35%	no	no												
Chipped wood, moisture content >35%	no	no												
Compressed wood in the form of pellets or briquettes	no	no												
Sawdust, moisture content≤50%	no	no				,								
Non-woody biomass	no	no												
Bituminous coal	no	no												
Brown coal (including briquettes)	no	no												
Coke	no	no												
Anthracite	no	no						ļ						
Blended fossil fuel briquettes	no	no												
Other fossil fuel	no	no									1			
Blended biomass (30-70%) fossil fuel briquettes	no	no			·									



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CERTIFICATION, TESTING, SUPERVISION OF DEVICES WITH INCREASED RISK

Other blend of	no	no					
biomass and fossil fuel							

Characteristics when operating with the preferred fuel only:

Characteristics when	ı operating	with the		d fuel only:				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Useful he	at output			J	Jseful effici	iency		
At rated heat output	P _n	7.23	kW	At rated heat output	η_n	75.80	%	
At (30%/50%) of rated heat output if it's applicable	Pp	-	kW	At (30%/50%) of rated otput if applicable	ηρ	_	%	
Auxiliary electricity consur	nption			Type of heat output	/room tem	perature co	ontrol	
At rated heat output	el _{max}	_	kW	Single stage heat out room temperature con		Yes/no	Yes	
				Two or more manual room temperature con	· ·	Yes/no	No	
				With mechanic therm room temperature con		Yes/no	No	
At (30%/50%) of rated otput if applicable	el _{min}	-	kW	With electronic room temperature control	Yes/no	No		
In standby mode	P _{SB}	-	kW	With electronic room temperature control p timer		Yes/no	No	
Permanent pilot flame pow	er reauire	ment		With electronic room	Yes/no	No		
				temperature control plus week				
Pilot flame power /if applicable/	P _{pilot}	N.A.	kW	Other control option	ns			
				Room temperature co		Yes/no	No	
-				Room temperature co	ontrol	Yes/no	No	
				With distance control		Yes/no	No	

CONCLUSION:

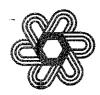
Solid fuel /wood/ cooking and heating stove "304-3D TURBO" MEET THE REQUIREMENTS OF Annex II "Ecodesign Requirements" of REGULATION (EU) 2015/1185.

Contact details	Name and address of the manufacturer or its authorised
	representative
Phone: +90 258 269 10 23	"ÇALIŞKAN Emaye ve İsi Cihazları A.Ş"
	Address: Hüsnü Örnek Caddesi No:12, Organize Sanayi
1	Bölgesi, Denizli / Türkiye

Prepared by:

Manager:

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Sofia 1220, 8, Istoria Slavianobulgarska Blvd., Bulgaria

CERTIFICATION, TESTING, SUPERVISION OF DEVICES WITH INCREASED RISK

	NºD1-280/25.08.2022
Trade mark:	"ÇALIŞKAN Emaye ve İsi Cihazları A.Ş "
Appliance:	Solid fuel /wood / cooking and heating stove
Model:	"306-3D"
Trade name:	,,306-3D-Box"
Stoking mode:	Manual
Indirect heating functionality:	No
Direct heat output:	12.87 kW
Indirect heat output:	not applicable

Fuel	Prefe rred	Oth er	η _s (%)	Emiss	ions at n	ominal hea	t output	Emissions at reduced heat output				
	fuel	suit		PM	OGC	CO	NOx	PM	OGC	CO	NOx	
	(only	abl			1		ng/m³ at 13		1	J		
	one)	e					J	_				
		fuel										
		(s)		2004	20.10	1260.15	100.62	1	T		1	
Log wood, moisture content ≤25%	yes	no	66.09	28.24	32.12	1369.15	189.63	-	-	-	-	
Chipped wood, moisture content 15-35%	no	no										
Chipped wood, moisture content >35%	no	no										
Compressed wood in the form of pellets or briquettes	no	no	derivers de deservation de deservation de deservation de deservation de deservation de deservation de deservat			,						
Sawdust, moisture content≤50%	no	no										
Non-woody biomass	no	no										
Bituminous coal	no	no										
Brown coal (including briquettes)	no	no										
Coke	no	no										
Anthracite	no	no										
Blended fossil fuel briquettes	no	no										
Other fossil fuel	no	no										
Blended biomass (30-70%) fossil fuel	no	no										



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CERTIFICATION, TESTING, SUPERVISION OF DEVICES WITH INCREASED RISK

briquettes							
Other blend of	no	no					
biomass and fossil fuel							

Characteristics when operating with the preferred fuel only:

Characteristics when	i oberanna	WITH THE	preferre	u iuci omiy.				
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit	
Useful he	at output			Useful efficiency				
At rated heat output	P _n	12.87	kW	At rated heat output η _n		76.09	%	
At (30%/50%) of rated heat output if it's applicable	Pp	100	kW	At (30%/50%) of rated otput if applicable	η_p	_	%	
Auxiliary, electricity consur	nption			Type of heat output	room tem	perature co	ontrol	
At rated heat output el _{max} -		_	kW		Single stage heat output, no room temperature control		Yes	
				Two or more manual room temperature con	atrol	Yes/no	No	
				With mechanic therm room temperature con		Yes/no	No	
At (30%/50%) of rated otput if applicable	elmin	=	kW	With electronic room temperature control	Yes/no	No		
In standby mode	P _{SB}	_	kW	With electronic room temperature control p timer	No			
Permanent pilot flame pow	er require	ment		With electronic room temperature control p timer		Yes/no	No	
Pilot flame power /if applicable/	P _{pilot}	N.A.	kW	Other control option	18		•	
				Room temperature co		Yes/no	No	
				Room temperature co with open window de		Yes/no	No	
				With distance control	option	Yes/no	No	

CONCLUSION:

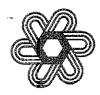
Solid fuel /wood/ cooking and heating stove "306-3D" MEET THE REQUIREMENTS OF Annex II "Ecodesign Requirements" of REGULATION (EU) 2015/1185.

Contact details	Name and address of the manufacturer or its authorised representative
Phone: +90 258 269 10 23	"ÇALIŞKAN Emaye ve İsi Cihazları A.Ş"
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Prepared by

Manager:...

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Sofia 1220, 8, Istoria Slavianobulgarska Blvd., Bulgaria

CERTIFICATION, TESTING, SUPERVISION OF DEVICES WITH INCREASED RISK

	N <u>o</u> DI-277/25.08.2022
Trade mark:	"ÇALIŞKAN Emaye ve İsi Cihazları A.Ş"
Appliance:	Solid fuel /wood / heating stove
Model:	"305-3D Fireplace stove"
Stoking mode:	Manual
Indirect heating functionality:	No
Direct heat output:	12.50 kW
Indirect heat output:	not applicable

Fuel	Prefe rred	Oth er	η _s (%)	$\eta_s(\%)$ Emissions at nominal hea				Emissions at reduced heat output			
	fuel	suit		PM	OGC	CO	NOx	PM	OGC	CO	NOx
	(only	abl			1 0		ig/m³ at 13	1	l		
	one)	e					. 				
		fuel									
		(s)						,	r	T	T
Log wood, moisture content ≤25%	yes	no	65.20	32.17	51.89	1430.56	188.33		_	-	_
Chipped wood, moisture content 15- 35%	no	no									
Chipped wood, moisture content >35%	no	no									
Compressed wood in the form of pellets or briquettes	no	no		And the second s	,						
Sawdust, moisture content≤50%	no	no				,				Ę	
Non-woody biomass	no	no									
Bituminous coal	no	no									
Brown coal (including briquettes)	no	no									
Coke	no	no									
Anthracite	no	no									
Blended fossil fuel	no	no									
briquettes											
Other fossil fuel	no	no									
Blended biomass (30-70%) fossil fuel briquettes	no	no									



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CERTIFICATION, TESTING, SUPERVISION OF DEVICES WITH INCREASED RISK

Other blend of	no	no					
biomass and fossil fuel				:		·	
							•

Characteristics when operating with the preferred fuel only:

Characteristics whe	n operating	g with the	e preferre	d fuel only:			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Useful h	eat output			U	seful effic	iency	
At rated heat output	P _n	12.50	kW	At rated heat output η _n		75.20	%
At (30%/50%) of rated heat output if it's applicable	Pp		kW	At (30%/50%) of rated otput if applicable	η_p	-	%
Auxiliary electricity consu	mption			Type of heat output	room tem	perature co	ontrol
At rated heat output	el _{max}		kW	Single stage heat outproom temperature con	out, no	Yes/no	Yes
				Two or more manual room temperature cor	ore manual stages, no perature control		No
				With mechanic therm room temperature cor		Yes/no	No
At (30%/50%) of rated otput if applicable	el _{min}	-	kW	With electronic room temperature control	Yes/no	No	
In standby mode	P _{SB}	-	kW	With electronic room temperature control p timer	Yes/no	No	
Permanent pilot flame pov	ver require	ment		With electronic room temperature control p timer		Yes/no	No
Pilot flame power /if applicable/	P _{pilot}	N.A.	kW	Other control option	ıs		
· ·				Room temperature co with presence detection		Yes/no	No
•				Room temperature co with open window de		Yes/no	No
				With distance control	option	Yes/no	No

CONCLUSION:

Solid fuel /wood/ cooking and heating stove "305-3D Fireplace stove" MEET THE REQUIREMENTS OF Annex II "Ecodesign Requirements" of REGULATION (EU) 2015/1185.

Contact details	Name and address of the manufacturer or its authorised representative
Phone: +90 258 269 10 23	"ÇALIŞKAN Emaye ve Isı Cihazları A.Ş" Address: Hüsnü Örnek Caddesi No:12, Organize Sanayi
	Bölgesi, Denizli / Türkiye

Prepared by:

Manager:..

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