

TEKNİK DOKÜMAN / TECHNICAL SHEET / FICHE TECHNIQUE / SCHEDA TECNICA / FICHA TECNICA**4014 Model**

ITEM Consult Ltd.

(NB 1837)

Report No: CPR 237/18.02.2021

Dop No: 045 – HS – 2022 – 06 – 27

EN 12815:2006

Cihaz tipi ve kullanım amacı/Type of equipment and use/Type d'appareil et de l'utilisation/Tipologia di apparecchio e uso/Tipo de dispositivo y el uso	Katı yakıtlı ısıtma cihazı (ev tipi pişirici)/ Solid fuel heating appliance (cooking indoors) Appareil de chauffage à combustible solide (cuisson à l'intérieur) / Apparecchio di riscaldamento a combustibile solido (cucina in ambienti chiusi) / Aparato de calefacción de combustible sólido (cocinar en interiores)		
Marka/Trademark/Marque de commerce/Marchio commerciale/Marca	HOŞSEVEN		
Model/Model/ Modèle/ Modello/Modelo	4014		
Yakıt/Fuel/Carburant/Combustibile/Combustible	Odun/Wood/Bois/Legna/Madera		
	UNIT	NOMINAL	REDUCED
Yüklenen ısı/Heat input/Puis. Introduite/Potenza termica introdotta/Pot. introducida	kW	-	-
Çıkış gücü/Heat output/Puissance thermique/Potenza termica resa/Potencia térmica	kW	7,90	-
Suya verilen ısı/Water heating output/Puissance rendue à l'eau/Potenza termica all'acqua/Potencia cedida al agua	kW	-	-
Ortama verilen ısı/room heating output/Puissance rendu à l'ambient/Potenza termica all'aria/Potencia sumin. entorno	kW	7,90	-
Verimlilik/Efficiency/Rendement/ Rendimento/Rendimiento	%	81,45	-
Saatlik yakıtı/yakıt/Fuel consumption/Consumption horarie/Consumo orario/Consumo horario	kg/h	2,38	-
Yanma süresi/Autonomy/Autonomie/Autonomia/Autonomía	h	-	-
**Isıtılacak alan/Heatable volume/Volume chauffable/Volume riscaldabile/Volumen calentable	m³	226	-
CO emisyonu/CO emissions/Émission de CO/ Emissione CO/ Emisiones de CO (13% O₂)	%	0,06	-
	mg/m³	775	-
OGC emisyon/OGC emission/Émission de OGC/ Emissione OGC /Emisiones de OGC (13% O₂)	mg/m³	4,90	-
NO_x emisyonu/NOx emission/Emissione NOx/Émission de NOx /Emisiones de NOx (13% O₂)	mg/m³	96	-
Toz emisyonu/Dust emission/Emission poudres /Emissione polveri/Emisión polvos (13% O₂)	mg/m³	16,83	-
Maks. Su çalışma basıncı/Max working pressure/Pression max eau d'utilisation/Pressione esercizio max acqua/Presión máxima funcionamiento	bar	-	-
Baca gazı sıcaklığı/Flue gas temperature/Température de fumée/Temperatura uscita fumi/Temperatura salida humos	°C	229,95	-
Gaz akışı/Flue gas flow/Débit gaz de combustion/Portata dei fumi/Caudal de humos	g/s	8,14	-
Baca çekişi/ Draught/ Tirage fumée/Tiraggio canna fumaria/Tiro	Pa	11,80	-
Hava giriş borusu çapı/Combustion air inlet pipe/Tuyau d'admission d'air combustion/Diametro tubo aspirazione aria comburente /Manguera para admisión de aire	mm	-	-
Baca bağlantı çapı/Flue outlet pipe/Tuyau d'évacuation des fumées/Diametro tubo scarico fumi/Tubo de salida de humos	mm	120 / 130 / 150	-
Ölçüler/Dimensions/Dimensions/Dimensioni d'ingombro/Medidas W/L/D	mm	835/718/487	
Net Ağırlık/Net Weight/Poids/Peso netto/Peso neto	kg	40	-
Pellet kapasitesi/Pellet hopper capacity/Capacité du réservoir de granulés/Capacità serbatoio pellet/Capacidad del depósito	kg	-	-
Elektrik bağlantısı/Electrical supply/Alimentazione elettrica/Alimentazione elettrica/Alimentación		-	-
Elektrik sarfiyatı/ Electrical consumption /Consumption électrique Assorbimento elettrico/ Consumo eléctrico	W	-	-
Enerji verimliliği sınıfı/Energy efficiency class/ Classe d'Efficacité Énergétique/Classe di efficienza energetica/ Clase de eficiencia energética		A +	

Beyan edilen teknik değerler UNI EN ISO 17225-5 standardına göre A1 kalitesinde ve %20 den az nem miktarına sahip kayın ağacının yakılması ile elde edilen değerlerdir. Boyutsal, teknik özellikler ve aksesuarlar üretimin sürekli iyileştirmesi sonucu değişebilir./The declared technical data have been achieved by burning beech wood class "A1" according to the UNI EN ISO 17225-5 and wood moisture content less than 20%. The aesthetic and dimensional features, technical specifications and accessories may be subject to change as a result of the continuous improvement of production./Les données techniques déclarées ont été obtenues en utilisant l'essence d'hêtre en classe "A1" selon la norme UNI EN ISO 17225-5 et humidité au dessous de 20%. Les caractéristiques esthétiques et dimensionnelles, les spécifications techniques et les accessoires peuvent être sujets à changement à la suite de l'amélioration continue de la production./I dati tecnici dichiarati sono stati ottenuti utilizzando essenza di faggio di classe "A1" come da normativa UNI EN ISO 17225-5 e umidità inferiore al 20%. Le caratteristiche estetiche e dimensionali, i dati tecnici e gli accessori possono essere soggetti a variazione in seguito al continuo perfezionamento della produzione./Los datos técnicos declarados se obtuvieron utilizando madera de haya de categoría "A1" de acuerdo a la norma UNI EN ISO 17225-5 y a la humedad inferior del 20%. las características estéticas y dimensionales, especificaciones técnicas y accesorios pueden estar sujetos a cambios como resultado de la mejora continua de la producción.

**hosseven****DECLARATION OF PERFORMANCE**

According to Regulation (EU) No 305/2011

No 045 – HS – 2022 – 06 – 27

1) The Unique identification code of the product type	4014
2) Intended use	For cooking and heating of residential premises without hot water tank
3) Name of company, or registered trademark and contact address of manufacturer	HOSSEVEN A.S. Ltd Barakfakih District 10. Str. No 2, Kestel – Bursa Phone: 0224 384 11 10 E-mail: hosseven@hosseven.com.tr
4) Autorised representative	
5) System of AVCP	System 3
6) Products are covered by a harmonized standard	EN 12815 : 2006
7) Notified laboratory	NB 1837 "ITEM-Consult" Ltd.Sofia 1220,8 Istorica Slavianobulgarska Blvd. Bulgaria
Test report number	CPR 237/18.02.2021

Harmonized technical specification	EN 12815 : 2006
Main Features	For cooking and heating of residential premises without hot water tank
Fire Safety	A1
Distance from flammable materials	Minimum distance in mm Rear wall = 600 Side wall = 600 Front wall = 1000
Risk of burning fuel falling	Pass
The CO emission at 13%O ₂	0,06 % -(wood) at nominal heat output 775 mg/Nm ³ -(wood) at nominal heat output
The surface temperature	Pass
Electrical safety	Pass
Clean ability	Pass
Max. operation pressure	-
Flue gas temperature at nominal thermal output	229,95 °C - (wood)
Mechanical resistance (load flue connection)	NPD
Nominal heating output	7,90 kW - (wood)
Space heating performance	7,90 kW - (wood)
Heat capacity of water	-
Energy efficiency % at 13%O ₂	81,45 % - (wood) at nominal heat output
Emission of Combustion products at 13%O ₂	Dust : 16,83 mg/Nm ³ - (wood) mg/Nm ³ NO _x : 96 mg/Nm ³ - (wood) mg/Nm ³ OGC : 4,90 mg/Nm ³ - (wood) mg/Nm ³

8) Appropriate Technical Documentation

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of manufacturer identified above.

Signed for and on behalf of the manufacturer

27.06.2022

**Mansur HOSSEVEN**

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**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**

№DI-078/22.03.2021

Manufacturer:	„HOSSEVEN ISI VE YALITIM SANAYİ TİCARET A.Ş.“
Appliance:	Solid fuel /wood / cooking and heating stove
Model:	4020
Trade marks:	4010, 4040 Anatolia, 4007, 4011, 4014, 4015
Stoking mode:	Manual
Indirect heating functionality:	No
Direct heat output:	7.90
Indirect heat output:	-

Fuel	Preferred fuel (only one)	Other suitable fuel (s)	η_s (%)	Emissions at nominal heat output				Emissions at reduced heat output			
				PM	OGC	CO	NO _x	PM	OGC	CO	NO _x
				Mg/m ³ at 13% O ₂							
Log wood, moisture content $\leq 25\%$	yes	no	71.45	16.83	4.90	775.00	96.00	-	-	-	-
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 $\leq 50\%$	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-	no	no									



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70%) fossil fuel briquettes									
Other blend of biomass and fossil fuel	no	no							


Characteristics when operating with the preferred fuel only:

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Useful heat output				Useful efficiency			
At rated heat output	P_n	7.90	kW	At rated heat output	η_n	81.45	%
At (30%/50%) of rated heat output if it's applicable	P_p	-	kW	At (30%/50%) of rated output if applicable	η_p	-	%
Auxiliary electricity consumption				Type of heat output/room temperature control			
At rated heat output	$e_{l_{max}}$	-	kW	Single stage heat output, no room temperature control	Yes/no	Yes	
				Two or more manual stages, no room temperature control	Yes/no	No	
				With mechanic thermostat room temperature control	Yes/no	No	
At (30%/50%) of rated output if applicable	$e_{l_{min}}$	-	kW	With electronic room temperature control	Yes/no	No	
In standby mode	P_{SB}	-	kW	With electronic room temperature control plus day timer	Yes/no	No	
Permanent pilot flame power requirement				With electronic room temperature control plus week timer	Yes/no	No	
Pilot flame power /if applicable/	P_{pilot}	N.A.	kW	Other control options			
				Room temperature control with presence detection	Yes/no	No	
				Room temperature control with open window detection	Yes/no	No	
				With distance control option	Yes/no	No	

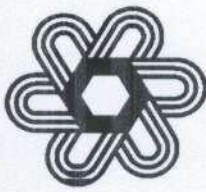
CONCLUSION:

Solid fuel /wood/ cooking and heating stove 4020 Model 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
E-mail: info@hosseven.com.tr	HOŞSEVEN ISI VE YALITIM SANAYİ TİCARET A.Ş., Address: Barakfakihsanayi bölgesi 10.cd No:2 Kestel/BURSA/TURKEY
Phone: : +90224 384 11 10 (4 hat)	

Prepared by: 
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EEL ASSURANCE

№DI-077/22.03.2021

Регламент/Regulation (EU) 2015/1186

Product: Solid fuel heating and cooking appliance / wood /
Manufacturer: „Hoşseven Isı ve Yalıtım A.Ş”
Model: 4020
Trade marks: 4010, 4040 Anatolia, 4007, 4011, 4014, 4015
Requested by: „Hoşseven Isı ve Yalıtım A.Ş”
Brakfakih Mahallesi 10.Caddde .№ 2 Kestel/Bursa/Turkey

Stoking principle: Manual
Test Fuel: Wood - oak
Test procedure: EN 12815:2006
Test report no: CPR 237/18.02.2021

Fixed values:

Correction factor accounting for a negative contribution to the energy efficiency index by energy consumption of a permanent pilot flame 0 [%]
CC Conversion coefficient for electricity consumption 2,5 [-]
BLF Biomass label factor 1,45 [-]

Test results:

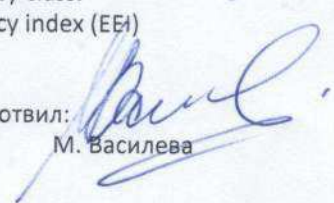
η nominal Calculated efficiency at rated heat output 81,45 [%]
 η minimum Calculated efficiency at minimum heat output 0,00 [%]
M Test fuel, moisture 8,49 [%]
GCV_{mf} Test fuel, gross calorific value, moisture free 19,42 [MJ/kg]
NCV Test fuel, net heating value, with moisture 15,87 [MJ/kg]
NCV_{lwf} Test fuel, net heating value, moisture free 17,34 [MJ/kg]
e_{l,max} Electric power requirement at nominal heat output' 0 [kW]
e_{l,min} Electric power requirement at minimum heat output' 0 [kW]
e_{l,sb} Electric power requirement in standby mode' 0 [kW]
P_{nom} Nominal heat output 7,90 [kW]
P_{min} Minimum heat output 0,00 [kW]


Calculations

$\eta_{th, nom}$ Useful efficiency, at either nominal heat output 81,45 [%]
 $\eta_{th, min}$ Efficiency at reduced output 0,00 [%]
 $\eta_{el,n}$ Electrical efficiency of solid fuel cogeneration boiler 0,00 [%]
 η_{son} Seasonal space heating energy efficiency in active mode 81,45 [%]
 η_s Seasonal space heating energy efficiency 71,45 [%]
Correction factor accounting positive contribution to the EEL of controls of indoor heating comfort, which values cannot be summed 0,0 [%]
F(2) Correction factor accounting positive contribution to EEL of the controls for indoor heating comfort 0,0 [%]
F(3) Correction factor accounting for a negative contribution to the EEL by aux iliary electricity consumption 0,0000 [%]
F(4)

Calculation of the Energy Efficiency index:

Energy Efficiency: 108,10
Energy Efficiency class: A+
Energy Efficiency index (EEI): $107 \leq EEI < 130$

Изготвил: 
M. Василева

Manager: 
/M. Sc. L. Vasilev /



ENERG

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4014



7,9
kW

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2015/1186