helo

DECLARATION OF PERFORMANCE

01.07.2013

No . 60 CPRversio2

1. **Unique identification code of the product type:**
KASTOR 16 VIDA, KASTOR 16 SL VIDA

2. **Type batch:**
KASTOR 16 VIDA. KASTOR 16 SL VIDA

3. **Intended use:**
Multi-firing sauna stoves by ´fired by natural wood logs.

4. **Manufacturer**
Helo OY
Tehtaankatu 5-7 11710 Riihimäki Finnland
+358 2075060476 info@helo.fi

6. **AVCP –procedure**
AVCP 3

7. **Product covered by harmonised standard DoP**
VTT Expert Servicess Ltd
Notiified Body No 0809
Test report No. VTT-S-05060-13/ No. VTT-M-07480-13
Multi-firing sauna stoves by ´fired by natural wood logs
System 3: See Directive 89/106EEC (CPD) Amnex III.2.(ii), second possibility.
Factory production control ISO 9001 (FPC)

9. Declared performance

Essential characteristics **Fire safety:**	Performance	Harmoniised tecnical specification **SFS-EN 15821 2011**
desingn, manufacture and assembly	Pass	4.2.1.1
cleaning of heating surfaces	pass	4.2.2
flue spigot or sockets	Pass	4.2.3
ashpan and ash removal	Pass	4.2.4
bottomgrate	Pass	4.2.5
combustion air supply	Pass	4.2.6
control of flue gas	Pass	4.2.7
firedoor and charging doors	Pass	4.2.8
flue bypass device	Pass	4.2.9
temp rise of the operating components	Pass	5.1
temp of adjacent gombustible materials at manufacturers spescified safety distaces	Pass	5.2
Emision of combustion products, delt whith by:		
desingn, manufacture and assembly	Pass.	4.2.1.1
bottomgrate	Pass	4.2.5
combustion air supply	Pass	4.2.6
flue bypass device	Pass	4.2.9
front firebars and/or deepening plate	Pass.	4.2.10
Surface temperature, dealt with by:		
desingn, manufacture and assembly	Pass	4.2.1.1
temp rise of the operating components	Pass	5.1
temp of adjacent gombustible materials at manufacturers spescified safety distaces	side 400mm, back 400mm, forward 500mm, above 1500mm, water tank side 150mm	5.2
Release of dangerous substances	NPD	ZA 1
Cleanability, dealt whith by:		
desingn, manufacture and assembly	Pass	4.2.1.1
cleaning of heating surfaces	Pass	4.2.2
ashpan and ash removal	Pass	4.2.4
bottomgrate	Pass	4.2.6

Flue gas temperature	393C	6.1
Mechanicall resistance (to cary a chimney/flue) dealt with by:		
desingn, manufacture and assembly	Pass	4.2.1.1
flue spigot or sockets	Pass	4.2.3
Thermal output and energy effieciency, dealt with by:		
carbon monoxide emission	Pass 0,17% 13% 02	6.2
total efficiency	66%	6.3
flue draugth	-17Pa	6.4
refuelilinng loads	2x4Kg	6.5
space heating outout	16,6kw	6.6
durability	Pass	4.2.1.2
max flue gas temperature	563C	A.4.7

10. Sinned for and on behalf of the manufacturer by:

Jan Björkbom Managing director

Riihimäki 29.10.2013