


TECHNICAL PARAMETERS FOR SOLID FUEL LOCAL SPACE HEATERS
 REG. (EU) 2015/1185, REG. (EU) 2015/1186

Model identifier(s): Scan 79 Zensoric							
Indirect heating functionality		No					
Direct heat output...(kW)		5.8					
Indirect heat output...(kW)		N.A					
Fuel	Preferred fuel (Only one)	Model identifier(s)	Emissions from space heating at nominal heat output				
			PM	OGC	CO	NO _x	
			[X] mg/Nm ₃ (13 % O ₂)				
Wood logs with moisture content ≤ 25%	Yes	No	13	35	522	88	
Compressed wood with moisture content < 12%	No	No					
Other 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							
Seasonal space heating energy efficiency η _s [%]		71					
Energy Efficiency Class		A+					
Energy Efficiency Index (EEI)		107					
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Heat output				Use efficiency (NCV as received)			
Nominal heat output	P _{nom}	5.8	kW	Useful efficiency at nominal heat output	η _{th, nom}	81	%
Minimum heat output (indicative)	P _{min}	N.A.	kW	Useful efficiency at minimum heat output (indicative)	η _{th, min}	N.A.	%
Auxiliary electricity consumption				Type of heat output/room temperature control (select one)			
At nominal heat output	el _{max}	x,xxx	kW	single stage heat output, no room temperature control		[yes/no]	
At minimum heat output	el _{min}	x,xxx	kW	two or more manual stages, no room temperature control		[yes/no]	Yes
In standby mode	el _{SB}	x,xxx	kW	with mechanic thermostat room temperature control		[yes/no]	
				with electronic room temperature control		[yes/no]	
				with electronic room temperature control plus day timer		[yes/no]	
				with electronic room temperature control plus week timer		[yes/no]	
				Other control options (multiple selections possible)			
				room temperature control, with presence detection		[yes/no]	
				room temperature control, with open window detection		[yes/no]	
				with distance control option		[yes/no]	
Permanent pilot flame power requirement							
Pilot flame power requirement (if applicable)	P _{pilot}	N.A.	kW				
Contact details	Name and address of the supplier:  Lena Bergqvist, (COO) Jøtul AS						


TECHNICAL SHEET

1.	Unique identification code of the product type	Scan 79 Zensoric
2.	Intended use(s)	Space heating in residential buildings Solid fuel burning appliances Without hot water supply
3.	Manufacturer / trade mark	Scan A/S Damsbovej 1 DK - 5492 Vissenbjerg
4.	Authorised representative	-
5.	System(s) of assessment and verification of constancy of performance of the construction product	System 3
6.	The notified test laboratory has performed the initial test according to system 3 Notified body	NB No 1235 (DTI) 300-ELAB-2727-EN
7.	Harmonised technical specifications	EN 16510-1:2022, EN 16510-2-1:2022
8.	Essential characteristics	
	Mechanical resistance and stability	
	Load bearing capacity	120 kg
	Safety in case of fire	
	Minimum distance to combustible materials - below the bottom (not regarding feet)	$d_B = 0$ mm
	Minimum distance to combustible materials - front to the bottom front radiation area	$d_F = 0$ mm
	Minimum distance to combustible materials - ceiling	$d_C = 750$ mm
	Minimum distance to combustible materials - rear	$d_R = 200^*$ mm
	Minimum distance to combustible materials - side	$d_S = 450$ mm
	Minimum distance to combustible materials - front to the side front radiation area	$d_L = 0$ mm
	Minimum distance to adjacent combustible materials (e.g. furniture)	$d_P = 1050$ mm
	Hygiene, health and environment	
	Emissions at nominal heat output	
	Carbon monoxide emission (CO)	522 mg/Nm ³
	Nitrogen oxides emission (NO _x)	35 mg/Nm ³
	Emission of organic gaseous carbon (OGC)	88 mg/Nm ³
	Particulate matter emissions (PM)	13 mg/Nm ³
	Emissions at part load heat output	
	Carbon monoxide emission (CO)	1499 mg/Nm ³
	Nitrogen oxides emission (NO _x)	76 mg/Nm ³
	Emission of organic gaseous carbon (OGC)	99 mg/Nm ³
	Particulate matter emissions (PM)	14 mg/Nm ³

*See manual for distance to insulated flue pipe

Safety and accessibility in use		
Data for installation to a chimney at nominal heat output		
Flue gas outlet temperature	338 °C	
Minimum flue draught	12 Pa	
Flue gas mass flow	4.8 g/s	
Data for installation to a chimney at part load heat output		
Flue gas outlet temperature	310 °C	
Minimum flue draught	6 Pa	
Flue gas mass flow	4.2 g/s	
Data for installation to a chimney regarding fire safety on safety test heat output		
Fire safety of installation to the chimney	T400 G	
Energy economy and heat retention		
Appliance's thermal output and energy efficiency at nominal heat output		
Space heat output	5.8 kW	
Water heat output (if available)	NPD	
Efficiency	81 %	
Appliance's thermal output and energy efficiency at part load heat output		
Space heat output	4.2 kW	
Water heat output (if available)	NPD	
Efficiency	79 %	
Space heating efficiency		
Seasonal space heating efficiency at nominal heat output	71 %	
Energy Efficiency	Energy Efficiency Index (EEI)	107.45
	Energy Efficiency Class	A+
Electric power consumption at appliance's nominal heat output (if available)	NPD	
Electric power consumption at appliance's part load heat output (if available)	NPD	
Power consumption in standby mode (if available)	NPD	
Sustainable use of natural resources		
Environmental sustainability	NPD	
9.	The performance of the product identified above is in conformity with the set of declared performance. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.	

„NPD“ (No Performance Determined), if no quality is stated

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Pilot flame power requirement (if applicable)	P_{pilot}	N.A.	kW				
Contact details	Name and address of the supplier:						
	 Brian Ørum, R&D Manager, Scan A/S, Denmark						