


TECHNICAL SHEET

1.	Unique identification code of the product type	Scan 5107 FR / Scan 5107 FL
2.	Intended use(s)	Space heating in residential buildings Insert fired by solid fuel Without hot water supply
3.	Manufacturer / trade mark	For: Scan A/S · Damsbovej 1 · DK-5492 Vissenbjerg By: ROMOTOP spol. s r.o. · Komenského 325 · CR-742 01 Suchdol nad Odrou. Company ID No.: 47678186
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 1015 (SZU) · NB No 1235 (DTI) 30-17412/2/T · ELAB-2778-WALL
7.	Harmonised technical specifications	EN 16510-1:2022, EN 16510-2:2022
8.	Essential characteristics	
	Safety in case of fire*	
	Minimum distance to combustible materials - below the bottom (not regarding feet)	$d_B/d_{B1} = 0/365$ mm
	Minimum distance to combustible materials - front to the bottom front radiation area	$d_F = 0$ mm
	Minimum distance to combustible materials - ceiling	$d_C/d_{C1} = 500/430$ mm
	Minimum distance to combustible materials - rear	$d_R/d_{R1} = 0/225$ mm
	Minimum distance to combustible materials - side	$d_S/d_{S1} = 270/125$ 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)	$d_P = 1000$ mm
	Material type and thickness of the protective insulation material	Calcium silicate boards, $s = 50$ mm
	Hygiene, health and environment	
	Emissions at nominal heat output	
	Carbon monoxide emission (CO)	1090 mg/Nm ³
	Nitrogen oxides emission (NO _x)	80 mg/Nm ³
	Emission of organic gaseous carbon (OGC)	51 mg/Nm ³
	Particulate matter emissions (PM)	34 mg/Nm ³
	Emissions at part load heat output	
	Carbon monoxide emission (CO)	1796 mg/Nm ³
	Nitrogen oxides emission (NO _x)	78 mg/Nm ³
	Emission of organic gaseous carbon (OGC)	61 mg/Nm ³
	Particulate matter emissions (PM)	39 mg/Nm ³

* The distances apply to stoves without insulated flue pipe

Data for installation to a chimney at nominal heat output		
Flue gas outlet temperature	349 °C	
Minimum flue draught	12 Pa	
Flue gas mass flow	6.9 g/s	
Data for installation to a chimney at part load heat output		
Flue gas outlet temperature	302 °C	
Minimum flue draught	9 Pa	
Flue gas mass flow	4.5 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	
Appliance's thermal output and energy efficiency at nominal heat output		
Space heat output	9.1 kW	
Water heat output (if available)	NPD	
Efficiency	80 %	
Appliance's thermal output and energy efficiency at part load heat output		
Space heat output	5.6 kW	
Water heat output (if available)	NPD	
Efficiency	82 %	
Space heating efficiency		
Seasonal space heating efficiency at nominal heat output	70 %	
Energy Efficiency	Energy Efficiency Index (EEI)	106
	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	
Environmental sustainability		
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

Model identifier(s): Scan 5107 FR / Scan 5107 FL							
Indirect heating functionality				No			
Direct heat output...(kW)				9.1			
Indirect heat output...(kW)				N.A			
Fuel		Preferred fuel (only one)		Model identifier(s)			
Wood logs with moisture content \leq 25%		Yes		No			
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 [%]				70			
Energy Efficiency Class				A			
Energy Efficiency Index (EEI)				106			
Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Heat output				Use efficiency (NCV as received)			
Nominal heat output	P_{nom}	9.1	kW	Useful efficiency at nominal heat output	$\eta_{th,nom}$	80	%
Minimum heat output (indicative)	P_{min}	N.A.	kW	Useful efficiency at minimum heat output (indicative)	$\eta_{th,min}$	N.A.	%
Auxiliary electricity consumption				Type of heat output/room temperature control (select one)			
At nominal heat output	$e_{l,max}$	x,xxx	kW	single stage heat output, no room temperature control		[yes/no]	
At minimum heat output	$e_{l,min}$	x,xxx	kW	two or more manual stages, no room temperature control		[yes/no]	Yes
In standby mode	$e_{l,SB}$	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:						
	 Brian Ørum, CEO, Scan A/S, Denmark						