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CERTIFICATION, TESTING, SUPERVISION OF DEVICES WITH INCREASED RISK

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-328/19.09.2023

Trade mark:	**MARELI SYSTEMS LTD**
Appliance:	**Water jacket pellet stove**
Model:	**PRIMAVERA 24**
Stoking mode:	**Automatic**
Indirect heating functionality:	**Yes**
Direct heat output:	**3.00**
Indirect heat output:	**21.26**

Fuel	Preferred fuel (only one)	Other suitable fuel (s)	η_s (%)	Emissions at nominal heat output				Emissions at reduced heat output			
				PM	OGC	CO	NOx	PM	OGC	CO	NOx
				Mg/m^3 at 13% O_2							
Log wood, moisture content ≤25%	no	no									
Chipped wood, moisture content 15-35%	no	no									
Chipped wood, moisture content >35%	no	no									
Compressed wood in the form of pellets or briquettes	yes	no	92	13	8	96	118	14	9	120	113
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 briquettes	no	no									

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	24.26	kW		At rated heat output	η_n	94.08	%
At (30%/50%) of rated heat output if it's applicable	P_p	7.65	kW		At (30%/50%) of rated otput if applicable	η_p	94.76	%
Auxiliary electricity consumption					**Type of heat output/room temperature control**			
At rated heat output	el_{max}	0,05	kW		Single stage heat output, no room temperature control		Yes/no	-
					Two or more manual stages, no room temperature control		Yes/no	-
					With mechanic thermostat room temperature control		Yes/no	-
At (30%/50%) of rated otput if applicable	el_{min}	0,011	kW		With electronic room temperature control		Yes/no	-
In standby mode	P_{SB}	0,001	kW		With electronic room temperature control plus day timer		Yes/no	-
Permanent pilot flame power requirement					With electronic room temperature control plus week timer		Yes/no	Yes
Pilot flame power /if applicable/	P_{pilot}	N.A.	kW		**Other control options**			
					Room temperature control with presence detection		Yes/no	-
					Room temperature control with open window detection		Yes/no	-
					With distance control option		Yes/no	Yes

CONCLUSION:

Water jacket pellet stove "PRIMAVERA 24" MEET THE REQUIREMENTS OF Annex II „Ecodesign Requirements" of REGULATION (EU) 2015/1185.

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