

PRODUCT INFORMATION

Information requirements for boiler space heaters, boiler combination heaters and cogeneration space heaters
(COMMISSION DELEGATED REGULATIONS No. 811-814/2013)

Model(s):	C32SPV24MEC-ERP-P, SIGMA24 TN		
Condensing boiler [yes/no]:	no		
Low-temperature (**) boiler [yes/no]:	no		
B1 boiler [yes/no]:	no		
Cogeneration space heater [yes/no]:	no	If yes, equipped with a supplementary heater: [yes/no]: no	

Combination heater [yes/no]: yes

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heat output	P_{rated}	24	kW	Seasonal space heating energy efficiency	η_s	80	%
For boiler space heaters and boiler combination heaters: Useful heat output				For boiler space heaters and boiler combination heaters: Useful efficiency			
At rated heat output and high-temperature regime (*)	P_4	23,5	kW	At rated heat output and high-temperature regime (*)	η_4	83,6	%
At 30 % of rated heat output and low-temperature regime (**)	P_1	7,2	kW	At 30 % of rated heat output and low-temperature regime (**)	η_1	82,8	%
Auxiliary electricity consumption				Other items			
At full load	e_{lmax}	0,072	kW	Standby heat loss	P_{stby}	0,5	kW
At part load	e_{lmin}	0,068	kW	Ignition burner power consumption	P_{ign}	0,0	kW
In standby mode	P_{SB}	0,003	kW	Emissions of nitrogen oxides	NO_x	183	mg/kWh
				Noise level	LWA	48	dB

For combination heaters:

Declared load profile	M			Water heating energy efficiency	η_{wh}	68	%
Daily electricity consumption	Q_{elec}	0,193	kWh	Daily fuel consumption	Q_{fuel}	7,789	kWh
Annual electricity consumption	AEC	42	kWh	Annual fuel consumption	AFC	6	GJ

Contact details: office.vaduri@kober.ro
www.motan.ro
Telephone: 0233 241746
Fax: 0233 241929

Name and address of the manufacturer: KÖBER Ltd VADURI Branch, Piatra Neamt town, Neamt District, Romania

(*) High-temperature regime means 60 °C return temperature at heater inlet and 80 °C feed temperature at heater outlet.

(**) Low temperature means for condensing boilers 30 °C, for low-temperature boilers 37 °C and for other heaters 50 °C return temperature (at heater inlet).

Seasonal space heating energy efficiency class:

C

Water heating energy efficiency class:

A

KÖBER Ltd Vaduri Branch, 05.04.2017

Branch Manager
eng. Theodor Farcas

STR. ZORELELOR NR. 25, SAT
VADURI, COMUNA ALEXANDRU CEL
BUN, JUDETUL NEAMT, ROMANIA,
COD POSTAL 617511
C.I.F. RO2005144
BCR: RO53 RNCB 0196 0277 8883 0005
BTRL:RO79 BTRL 0280 1202 3631 46XX

**KÖBER SRL DUMBRAVA ROSIE
SUCURSALA VADURI**

TEL : 0040-233-241746
0040-233-241933
FAX : 0040-233-241929

E-mail : office.vaduri@kober.ro
Url : www.motan.ro