

PRODUCT INFORMATION SHEET

The product data presented below complies with the requirements of EU regulations 811/2013 and 813/2013 to comply with directives 92/42/EU and 92/42/EEC.
CE PIN Number: 0085CS0419

Product Data	Symbol	Unit	FELIS FL 50 HM	FELIS FL 65 HM	FELIS FL 100 HM	FELIS FL 125 HM	FELIS FL 150 HM
Condensing boiler			Yes	Yes	Yes	Yes	Yes
Low-temperature boiler(*b)			No	No	No	No	No
B1 boiler			No	No	No	No	No
Cogeneration Space Heater			No	No	No	No	No
Combination Heater			No	No	No	No	No
Usable Heating Capacity							
Rated heat output (*c)	Prated	kW	46	68	97	121	141
At rated heat output and high temperature regime (*a)	P4	kW	45,55	66,04	94,05	116,75	135,67
At 30% of rated heat output and low temperature regime	P1	kW	15,10	21,84	31,04	38,75	45,19
Auxiliary electricity consumption							
At full load	elmax	kW	0,075	0,115	0,139	0,226	0,297
At part load	elmin	kW	0,016	0,022	0,033	0,035	0,027
In Standby mode	PSB	kW	0,004	0,004	0,004	0,003	0,004
Space Heating Efficiency							
Seasonal space heating energy efficiency class			A	A	A	A	A
Seasonal space heating energy efficiency	η_s	%	91,8	91,4	91,8	92	91,8
At rated heat output and high temperature regime (*a)	η_4	%	86,4	84,3	87,8	87,1	87,5
At 30% of rated heat output and low temperature regime (*b)	η_1	%	97,2	97,5	97,4	97,1	97,2
Other Items							
Heat loss: Standby mode	Pstby	kW	0,411	0,939	1,564	0,644	1,6
Ignition burner power consumption	Pign	kW	0	0	0	0	0
Annual energy consumption	QHE	kWh	39713	57390	83085	102765	118623
Sound power level	L_{WA}	db(A)	53	53	53	51	51
NOx emissions	NOx	mg/kWh	37,82	28,13	26,40	42,91	34,06
Operating possibility at only poor load hours			No	No	No	No	No
Manufacturer	Emas Makina Sanayi A.Ş.						
Address of the Manufacturer	Mustafa Kemal Bulvarı Organize Sanayi Bölgesi 3.Kısım No: 13 45030 MANİSA						

(*a) High temperature operation means a return water temperature of 60°C at the heater inlet and a outgoing water temperature of 80°C at the heater outlet.

(*b) Low temperature operation means a return water temperature (at the heater inlet) of 30°C for the condensing boiler, 37°C for the low temperature boiler and 50°C for other heating appliances.

(*c) For heat pump heaters and combined heaters, the rated heat output Prated is the same as the standard load in heating mode Pdesignh. The rated heat output of a Psup auxiliary heating device is the same as the auxiliary heating power sup(Tj).

(*d) valid for HM models.



Warning: Special precautions are stated in the user and installation manuals for assembly, installation and maintenance. Read and follow the user and installation manuals.



Warning: This natural draft boiler can only be connected to a flue gas system which more than one flat is connected in existing buildings, which directs the combustion gases in the installation room to the open air. It has a differential pressure switch and takes combustion air directly from the installation room. Any other use of this boiler should be avoided due to its low efficiency. It may result in higher energy consumption and higher operating costs.



Warning: Read and follow the user and assembly manuals for assembly, installation, maintenance, disassembly, recycling and/or waste disposal.



Warning: All data contained in the product information has been determined within the framework of the requirements of European directives. Differences from product information stated elsewhere may be due to different testing conditions. Only the data contained in this product information is binding and valid.

