

Manufacturer					Barbas BV, Hallenstraat 17, 5531 AB Bladel, The Netherlands												
Product name					Barbas												
Model identifier					Box Gas Panorama 45-45 MF												
Equivalent models					N/A												
Test report nr.					200601986 by KIWA Nederland BV												
Harmonised European standards					EN 613:2021												
Indirect heating functionality					no												
Fuel type					gaseous												
Minimum permissible total flue duct length					1 meter vertical - 90° bend - 0,6 meter horizontal wall terminal												
Energy Efficiency Index (EEI) - [(EU)2015/1186]					88												
Fuel	Fuel type	Nitrogen oxides (NO _x) emission	Heat output						Efficiency (NCV)								
			Nominal heat output			Minimum heat output			Useful efficiency at nominal heat output			Useful efficiency at minimum heat output (indicative)			Seasonal space heating energy efficiency		
		[mg/kWh _{input}] (GCV)	Symbol	Value	Unit	Symbol	Value	Unit	Symbol	Value	Unit	Symbol	Value	Unit	Symbol	Value	Unit
High calorific natural gas	G20	120	P _{nom}	4,5	kW	P _{min}	1,5	kW	η _{th,nom}	73,5	%	η _{th,min}	63,5	%	η _s	69,9	%
Low calorific natural gas	G25	120	P _{nom}	4,2	kW	P _{min}	1,2	kW	η _{th,nom}	74,1	%	η _{th,min}	54,1	%	η _s	70,4	%
Butane 30/37/50 mbar	G30	120	P _{nom}	3,9	kW	P _{min}	1,1	kW	η _{th,nom}	71,0	%	η _{th,min}	61,0	%	η _s	67,5	%
Propane 30/37/50 mbar	G31	120	P _{nom}	3,3	kW	P _{min}	1,0	kW	η _{th,nom}	70,5	%	η _{th,min}	60,5	%	η _s	67,0	%
Butane 28-30 mbar	G30	120	P _{nom}	3,9	kW	P _{min}	1,1	kW	η _{th,nom}	71,0	%	η _{th,min}	61,0	%	η _s	0,0	%
Propane 37 mbar	G31	120	P _{nom}	3,3	kW	P _{min}	1,0	kW	η _{th,nom}	70,5	%	η _{th,min}	60,5	%	η _s	0,0	%
Auxiliary power consumption																	
		Symbol	Value	Unit													
At nominal heat output		e _{lmax}	0,050	kW													
At minimum heat output		e _{lmin}	0,0003	kW													
Power consumption																	
		Symbol	Value	Unit													
In off-mode		P ₀	0	W													
In standby mode		P _{sm}	0,3	W													
In idle mode		P _{idle}	0	W													
In networked standby mode		P _{nsm}	0,3	W													
Standby mode with display of information or status		No															
Permanent pilot flame power requirement																	
		Symbol	Value	Unit													
Pilot flame power requirement (if applicable)		P _{pilot}	N/A	kW													
Type of heat output/room temperature control (select one)																	
single stage heat output, no room temperature control															no		
two or more manual stages, no room temperature control															no		
mechanic thermostat room temperature control															no		
electronic room temperature control															no		
electronic room temperature control plus day timer															no		
electronic room temperature control plus week timer															yes		
Other control options (multiple sections possible)																	
room temperature control, with presence detection															no		
room temperature control, with open window detection															no		
distance control option															yes		
adaptive start control															no		
working time limitation															no		
with black bulb sensor															no		
Self-learning functionality															yes		
control accuracy															yes		