

Manufacturer				Barbas BV, Hallenstraat 17, 5531 AB Bladel, The Netherlands														
Product name				Barbas														
Model identifier				Gas Fire Smart 80-70 PF														
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]				82														
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}	6,8	kW	P _{min}	2,5	kW	η _{th,nom}	72,0	%	η _{th,min}	55,5	%	η _s	68,0	%	
Low calorific natural gas	G25	120	P _{nom}	6,3	kW	P _{min}	2,4	kW	η _{th,nom}	72,2	%	η _{th,min}	57,2	%	η _s	68,2	%	
Butane 30/37/50 mbar	G30	N/A	P _{nom}	N/A	kW	P _{min}	N/A	kW	η _{th,nom}	N/A	%	η _{th,min}	N/A	%	η _s	N/A	%	
Propane 30/37/50 mbar	G31	N/A	P _{nom}	N/A	kW	P _{min}	N/A	kW	η _{th,nom}	N/A	%	η _{th,min}	N/A	%	η _s	N/A	%	
Butane 28-30 mbar	G30	N/A	P _{nom}	N/A	kW	P _{min}	N/A	kW	η _{th,nom}	N/A	%	η _{th,min}	N/A	%	η _s	N/A	%	
Propane 37 mbar	G31	N/A	P _{nom}	N/A	kW	P _{min}	N/A	kW	η _{th,nom}	N/A	%	η _{th,min}	N/A	%	η _s	N/A	%	
Auxiliary power consumption																		
		Symbol	Value	Unit														
At nominal heat output		e _{lmax}	0,090	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			