

Product Information Requirements

(According to EU Regulation No 813/2013)

ARCA PWR

Wall-hung and Floor-standing Boiler	ARCA	Pwr 70	Pwr 100	Pwr 115	Pwr 125	Pwr 155	Pwr 190
Condensing Boiler					Yes		
Low Temperature Boiler					No		
B1 Boiler					No		
Cogeneration Space Heater	*				No		
Combination Heater					No		

Item	Symbol	Unit	Value					
Nominal heat output	Prated	kW	62	90	109	115	142	171
Useful heat output ¹	P4	kW	62	90	109	115	142	171
Useful heat output at part load (30%)	P1	kW	21	30	36	38	47	58
Seasonal space heating energy efficiency	η_s	%	91,4	90,5	91,3	91,6	91,4	92,4
Useful efficiency ¹	η_4	%	87,3	86,8	87,7	88,5	87,8	87,0
Useful efficiency at part load (30%)	η_1	%	97,6	96,4	97	97,5	97,0	98,4
Auxiliary energy at full load	elmax	kW	0,16	0,19	0,22	0,26	0,26	0,32
Auxiliary energy at part load	elmin	kW	0,10	0,12	0,14	0,17	0,17	0,21
Auxiliary energy at standby	P SB	kW	0,004	0,004	0,004	0,004	0,004	0,004
Standby heat loss	Psby	kW	0,23	0,33	0,37	0,40	0,49	0,56
Ignition burner power consumption	Pign	kW	0,21	0,25	0,28	0,33	0,35	0,40
Annual energy consumption	Q HE	GJ	201	-	-	-	-	-
Sound power level (indoor)	L WA	dB	45	-	-	-	-	-
Emissions of nitrogen oxides	NOx	mg/kWh	22	26	25	24	18	31

(1) means 60 °C return temperature at heater inlet and 80 °C feed temperature at heater outlet