

ARISTON Wall Hung BOILER CLAS ONE CONDENSING BOILER



1 TECHNICAL DATA TABLE

GENERAL	Model: CLAS ONE		24	30	35
	CE Certification nr.		0085CR0393		
	Boiler type		C13(X)-C23-C33(X)-C43(X)-C53(X)-C63(X) C83(X)-C93(X) - B23-B23P-B33		
POWER SPECIFICATIONS	Max/min nominal calorific flow rate (Pci) Qn	kW	22,0 / 3,7	28,0 / 4,3	31,0 / 5,0
	Max/min nominal calorific flow rate (Pcs) Qn	kW	24,4 / 4,1	31,1 / 4,8	34,4 / 5,6
	Domestic hot water max/min nominal calorific flow rate (Pci)..... Qn	kW	26,0 / 3,7	30,0 / 4,3	34,5 / 5,0
	Domestic hot water max/min nominal calorific flow rate (Pcs)..... Qn	kW	28,9 / 4,1	33,3 / 4,8	38,3 / 5,6
	Max/min power output (80°C-60°C) Pn	kW	21,4 / 3,4	27,4 / 3,9	30,2 / 4,7
	Max/min power output (50°C-30°C) Pn	kW	23,6 / 3,9	30 / 4,5	33,5 / 5,3
	Domestic hot water max/min power output Pn	kW	24,9 / 3,5	28,7 / 4,1	33,0 / 4,8
	Combustion efficiency (of flue gas)	%	98,0	98,0	97,9
	Nominal calorific flow rate efficiency (60/80°C) Hi/Hs	%	97,5 / 87,8	97,9 / 88,2	97,5 / 87,8
	Nominal calorific flow rate efficiency (30/50°C) Hi/Hs	%	107,3 / 96,7	107,3 / 96,6	108,2 / 97,4
	Efficiency at 30% at 30°C (condensation) Hi/Hs	%	109,8 / 98,9	109,6 / 98,7	109,6 / 98,7
	Minimum calorific flow rate efficiency (60/80°C) Hi/Hs	%	93,1 / 83,8	91,1 / 82	93,3 / 84
	Efficiency rating (dir. 92/42/EEC)	stars	☆☆☆☆		
	Loss of burner gas when operating	%	2,0	2,0	2,1
EMISSIONS	Available air pressure	Pa	100	100	100
	NOx class	class	5		
	Flue gas temperature (G20) (80°C-60°C)	°C	61	62	63
	CO ₂ content (G20) (80°C-60°C)	%	9,2 / 8,9		
	CO content (0%O ₂) (80°C-60°C)	ppm	141,8	123,8	106,5
	O ₂ content (G20) (80°C-60°C)	%	3,9	4,2	4,3
	Maximum flue gas flow (G20) (80°C-60°C)	Kg/h	42,1	48,6	56,1
Excess air (80°C-60°C)	%	23	25	26	
HEATING CIRCUIT	Expansion chamber inflation pressure	bar	1		
	Maximum heating pressure	bar	3		
	Expansion chamber capacity	l	8		
	Min/max heating temperature (high temperature range)	°C	35 / 82		
	Min/max heating temperature (low temperature range)	°C	20 / 45		
DOMESTIC HOT WATER	Domestic hot water max/min temperature	°C	36 / 60		
	Specific flow rate of domestic hot water (ΔT=30°C)	l/min	12,1	14,5	16,7
	Quantity of hot water ΔT=25°C	l/min	14,5	17,4	20,0
	Quantity of hot water ΔT=35°C	l/min	10,4	12,5	14,3
	Hot water comfort rating (EN13203)	stars	☆☆☆☆		
	Hot water minimum flow rate	l/min	2,0	2,0	2,0
	Domestic hot water max/min pressure	bar	7 / 0,2		
ELECTRICAL	Power supply frequency/voltage	V/Hz	230 / 50		
	Total electrical power absorbed	W	77	83	84
	Minimum ambient temperature for use	°C	> 0		
	Protection level for the electrical appliance	IP	X5D		
	Weight	kg	29,7	32,3	34,6