

ARISTON Wall Hung BOILER GENUS X BOILER



10 TECHNICAL DATA TABLE

GEN. NOTES	Model Name		ALTEAS X / GENUS X	
			24 FF	30 FF
	Certification (pin)		044 M	
	Boiler type		C12-C32-C42-C52-C62-C82-B22-B22p-B32	
ELECTRICAL PERFORMANCE	Max/min nominal heat input(Hi)	kW	25,8 / 11,0	30,0 / 13,0
	Max/min nominal heat input (Hs)	kW	28,7 / 12,2	33,3 / 14,4
	Max/min nominal heat input for hot water (Hi)	kW	25,8 / 11,0	30,0 / 13,0
	Max/min nominal heat input for hot water (Hs)	kW	28,7 / 12,2	33,3 / 14,4
	Heat output: max/min	kW	24,0 / 9,5	28,1 / 11,6
	D.H.W. Heat output: max/min	kW	23,6 / 10,0	27,4 / 11,9
	Combustion efficiency (at flue) Hi/Hs	%	93,7	93,8
	Gross efficiency of nominal heat input (60/80 °C) Hi/Hs	%	93,1 / 83,8	93,6 / 84,3
	Gross efficiency at 30 % at 47°C Hi/Hs	%	93,3 / 84,0	93,7 / 84,4
	Gross efficiency at minimum power Hi/Hs	%	86,7 / 78,1	89,3 / 80,4
	Number of efficiency stars (Directive 92/42/EEC)	stars	☆☆☆	
	Ma. heat loss to the casing ($\Delta T = 50^{\circ}C$)	%	0,6	0,2
	Heat loss through the flue when burner on	%	6,3	6,2
	Heat loss through the flue when burner off	%	0,4	0,4
EMISSI ONS	Residual discharge head	Pa	120	145
	Nox class	class	3	
	Flue fumes temperature (G20)	$^{\circ}C$	117	110
	CO ₂ content ₂ (G20)	%	6,5	6,1
	CO content (0 %0 ₂)	ppm	60	111
	O ₂ content ₂ (G20)	%	8,8	9,5
	Max capacity fumes (G20)	kg/h	56,9	71,2
	Excess air	%	72	83
HEATING	Expansion vessel pre-charged pressure	Mpa (bar)	0,1 (1)	
	Maximum central heating circuit pressure	Mpa (bar)	0,3 (3)	
	Expansion vessel capacity	l	8	
	Central heating temperature: max/min	$^{\circ}C$	82 / 35	
DOMESTIC HOT WATER CIRCUIT	Domestic hot water temperature max/min	$^{\circ}C$	60 / 36	
	Specific flow rate of domestic hot water system (10 min. with $\Delta T=30^{\circ}C$) instant boilers	l/min	11,2	13,2
	D.H.W. flow rate $\Delta T=25^{\circ}C$	l/min	13,5	15,7
	D.H.W. flow rate $\Delta T=35^{\circ}C$	l/min	9,6	11,2
	Hot water comfort stars (EN13203)	stars	☆☆☆	
	D.H.W. minimum flow rate	l/min	1,7	
	Domestic hot water pressure max/min	Mpa (bar)	0,7 / 0,1 (7 / 1)	
ROOMEL ECTRICAL	Power supply voltage/frequency	V/Hz	220 / 50	
	Power consumption	W	84	101
	Minimum operating room temperature	$^{\circ}C$	+5	
	Electric system grades of protection	IP	XSD	
	Weight	kg	31	32

GEN. NOTES	Model Name		ALTEAS X / GENUS X	
			32 FF	35 FF
	Certification (pin)		045 M	
	Boiler type		C12-C32-C42-C52-C62-C82-B22-B22p-B32	
ELECTRICAL PERFORMANCE	Max/min nominal heat input(Hi)	kW	32,5 / 15,0	34,5 / 15,0
	Max/min nominal heat input (Hs)	kW	36,1 / 16,7	38,3 / 16,7
	Max/min nominal heat input for hot water (Hi)	kW	34,5 / 15,0	34,5 / 15,0
	Max/min nominal heat input for hot water (Hs)	kW	38,3 / 16,7	38,3 / 16,7
	Heat output: max/min	kW	29,6 / 12,8	32,3 / 13,2
	D.H.W. Heat output: max/min	kW	32,2 / 14,0	32,2 / 14,0
	Combustion efficiency (at flue) Hi/Hs	%	93,1	93,9
	Gross efficiency of nominal heat input (60/80 °C) Hi/Hs	%	91,1 / 82,0	93,6 / 84,3
	Gross efficiency at 30 % at 47°C Hi/Hs	%	89,8 / 80,9	92,6 / 83,4
	Gross efficiency at minimum power Hi/Hs	%	85,0 / 76,5	88,2 / 79,4
	Number of efficiency stars (Directive 92/42/EEC)	stars	☆☆☆	
	Ma. heat loss to the casing ($\Delta T = 50^{\circ}C$)	%	2,0	0,3
	Heat loss through the flue when burner on	%	6,9	6,1
	Heat loss through the flue when burner off	%	0,4	0,4
EMISSI ONS	Residual discharge head	Pa	130	130
	Nox class	class	3	
	Flue fumes temperature (G20)	°C	125	112
	CO2 content ₂ (G20)	%	6,4	6,4
	CO content (0 %0 ₂)	ppm	141	159
	O2 content ₂ (G20)	%	9,0	9,0
	Max capacity fumes (G20)	kg/h	77,2	77,2
	Excess air	%	75	75
HEATING	Expansion vessel pre-charged pressure	Mpa (bar)	1	
	Maximum central heating circuit pressure	Mpa (bar)	3	
	Expansion vessel capacity	l	8	
	Central heating temperature: max/min	°C	82 / 35	
DOMESTIC HOT WATER CAPACITY	Domestic hot water temperature max/min	°C	60 / 36	
	Specific flow rate of domestic hot water system (10 min. with $\Delta T=30^{\circ}C$) instant boilers	l/min	15,1	15,1
	D.H.W. flow rate $\Delta T=25^{\circ}C$	l/min	18,5	18,5
	D.H.W. flow rate $\Delta T=35^{\circ}C$	l/min	13,2	13,2
	Hot water comfort stars (EN13203)	stars	☆☆☆	
	D.H.W. minimum flow rate	l/min	1,7	
	Domestic hot water pressure max/min	Mpa (bar)	7	
ROOMEL ECTRICAL	Power supply voltage/frequency	V/Hz	220/50	
	Power consumption	W	101	101
	Minimum operating room temperature	°C	+5	+5
	Electric system grades of protection	IP	X5D	X5D
	Weight	kg	30	31