

ALTAIR RTN E

FLOOR STANDING BOILER WITH OPEN CHAMBER AND NATURAL DRAUGHT, CH ONLY



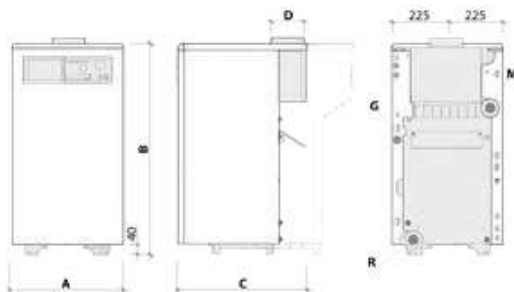
- ▶ **Stainless steel atmospheric burner**
- ▶ **Electronic ignition and ionisation flame detection device**
- ▶ **Heat exchanger with cast iron elements**
-) Prearrangement for connection to the electric board (optional) for the remote management of a water heater (optional), and for the connection to the electric board (optional) for the management of three heating zones
-) Control and management electric panel, CH circulation pump control, prearranged for connection to the ambient thermostat and to a water pressure switch
-) Safety limit thermostat
-) Safety flue gas thermostat

Available in the following models:

from **18** to **100**

Model	Gas type	Code	Heat output (kW)	A x B x C	D	G	Gross weight (kg)
			Nominal Pn	mm	mm	inches	
RTN E 18	NATURAL GAS	CATXX2MF18	18	450x850x525	110	¾"	116
	LPG	CATXX3MF18					
RTN E 24	NATURAL GAS	CATXX2MF24	24	450x850x525	130	¾"	116
	LPG	CATXX3MF24					
RTN E 32	NATURAL GAS	CATXX2MF32	31.5	450x850x625	130	¾"	151
	LPG	CATXX3MF32					
RTN E 36	NATURAL GAS	CATXX2MF36	36	450x850x625	130	¾"	151
	LPG	CATXX3MF36					
RTN E 48	NATURAL GAS	CATXX2MF48	48	450x850x765	150	¾"	183,5
	LPG	CATXX3MF48					
RTN E 60	NATURAL GAS	CATXX2MF60	60	450x1000x935	180	1"	229
	LPG	CATXX3MF60					
RTN E 70	NATURAL GAS	CATXX2MF70	70	450x1000x1052	180	1"	263,5
	LPG	CATXX3MF70					
RTN E 80	NATURAL GAS	CATXX2MF80	80	450x1000x1153	200	1"	297,5
	LPG	CATXX3MF80					
RTN E 90	NATURAL GAS	CATXX2MF90	90	450x1000x1280	220	1"	332,5
	LPG	CATXX3MF90					
RTN E 100	NATURAL GAS	CATXX2MF1A	100	450x1000x1430	250	1"	371,5
	LPG	CATXX3MF1A					

DIMENSIONS AND CONNECTION CENTRE DISTANCES



G Gas connection (see table)
M Flow (1" 1/2)

R Return (1" 1/2)



Model	-	RTN E 18	RTN E 24	RTN E 32	RTN E 36	RTN E 48
Type	-	B11BS	B11BS	B11BS	B11BS	B11BS
Ignition	-	ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC
Heat exchanger number of elements	-	3	3	4	4	5
Nominal heat output (80-60°C) (Pn)	kW	18	24	31.5	36	48
Nominal heat input (Qn)	kW	20	26.6	34.4	39.2	52.8
Useful efficiency at nominal input (80-60°C)	%	89.6	90.9	90.9	90.83	91.84
Useful efficiency at 30% (30°C return)	%	89.2	91.1	89	90.75	90.4
Water capacity	l	10	10	13,4	13,4	16,8
Minimum water flow	l/h	400	520	680	770	1030
CH temperature setting range	°C	45 ÷ 85	45 ÷ 85	45 ÷ 85	45 ÷ 85	45 ÷ 85
Maximum pressure of the heating circuit	bar	4	4	4	4	4
Flue gas discharge pipe diameter	mm	110	130	130	130	150
Power supply voltage/frequency	V/Hz	230/50	230/50	230/50	230/50	230/50
Maximum power consumption	W	10	10	10	10	10
Electric protection rating	IP	40	40	40	40	40

Model	-	RTN E 60	RTN E 70	RTN E 80	RTN E 90	RTN E 100
Type	-	B11BS	B11BS	B11BS	B11BS	B11BS
Ignition	-	ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC
Heat exchanger number of elements	-	6	7	8	9	10
Nominal heat output (80-60°C) (Pn)	kW	60	70	80	90	100
Nominal heat input (Qn)	kW	66	76.3	87.3	98.2	109.7
Useful efficiency at nominal input (80-60°C)	%	91.7	91.7	91.7	91.6	91.6
Useful efficiency at 30% (30°C return)	%	90.6	90.4	90.3	90.3	90.22
Water capacity	l	20,2	23,5	26,8	30,1	33,4
Minimum water flow	l/h	1200	1500	1700	1900	2100
CH temperature setting range	°C	45 ÷ 85	45 ÷ 85	45 ÷ 85	45 ÷ 85	45 ÷ 85
Maximum pressure of the heating circuit	bar	4	4	4	4	4
Flue gas discharge pipe diameter	mm	180	180	200	220	250
Power supply voltage/frequency	V/Hz	230/50	230/50	230/50	230/50	230/50
Maximum power consumption	W	20	20	20	20	20
Electric protection rating	IP	40	40	40	40	40

Maximum length of flue gas venting, see page 166

Item	Description	Code	Item	Description	Code
	Remote control for thermoregulation control unit (temperature regulation), ErP VI class (87x87x31 mm)	OCREMOTO00		Kit for zone pumps	OKITPOMZ00
	Remote control for thermoregulation control unit, ErP V class (146x97x34 mm)	OCREMOTO01		Ext. heat. kit for Altair RTN E - Altair RTN PVE - Altair RTFS E - Drago Dual	OKITPOVA03
	Daily timer kit (61.5 x 61.5 x 34.5 mm)	OKITBEST04		Pump and vessel kit for Altair RTN E - Altair RTN PVE - Altair RTFS E - Drago Dual for hot water storage tank	OKITPOVA04
	Weekly timer kit (61.5 x 61.5 x 34.5 mm)	OKITBEST05		Hydraulic kit with pump and expansion tank - Altair RTN E - Altair RTN PVE - Altair RTFS E - Drago Dual	OKITPOVA05
	External hot water storage tank kit for Altair RTN E - Altair RTN PVE - Altair RTFS E - Drago Dual	OKITBEST06	For other accessories, see from page 165		