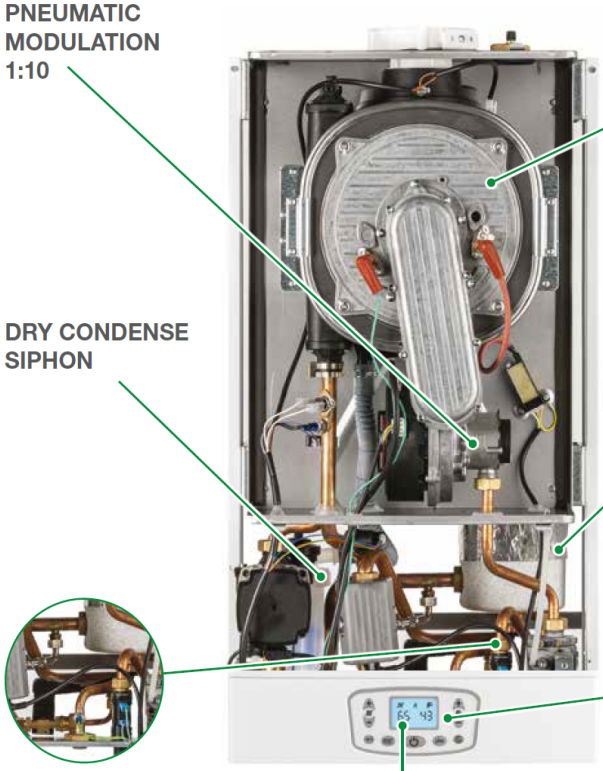
Green Heating Technology

ITALTHERM





Time MICRO K from 27 to 35 kW

High quality gas condensing boilers.

For heating and hot water!

Designed and made in Italy!

kiwa certified

UNI EN ISO 9001:2008

5 YEAR WARRANTY *

ErP Ready

6 Nox klasė

1:10

* there are additional conditions

Official and authorized representative of ITALTHERM for the Baltic States: UAB Abara group, e-mail : sales@abaragroup.eu
www.abragroup.eu

Italtherm boilers with built-in storage tank stand out for:



Plenty of DHW

Ideal for whirlpool baths

Thanks to the storage tank, it is possible to have a large quantity of water ready for use: while the water contained in the storage tank is consumed, the boiler heats an equal quantity, which is stored in the tank.



Simultaneous DHW withdrawals

Never again without hot water in the shower!

A boiler with storage tank is able to satisfy high withdrawal demands: in fact hot water can be demanded at different points inside the house.



Hot water immediately!

Thanks to the PLUS function, the boiler has always a stock of DHW ready for use.



Stable temperature

The advantage of having a stable water temperature even in moments of great demand.



TIME MICRO	27 K • 35 K
Built-in storage tank	4 L
DHW Production ΔT 30°C (EN625)	up to 130-166 l/10min



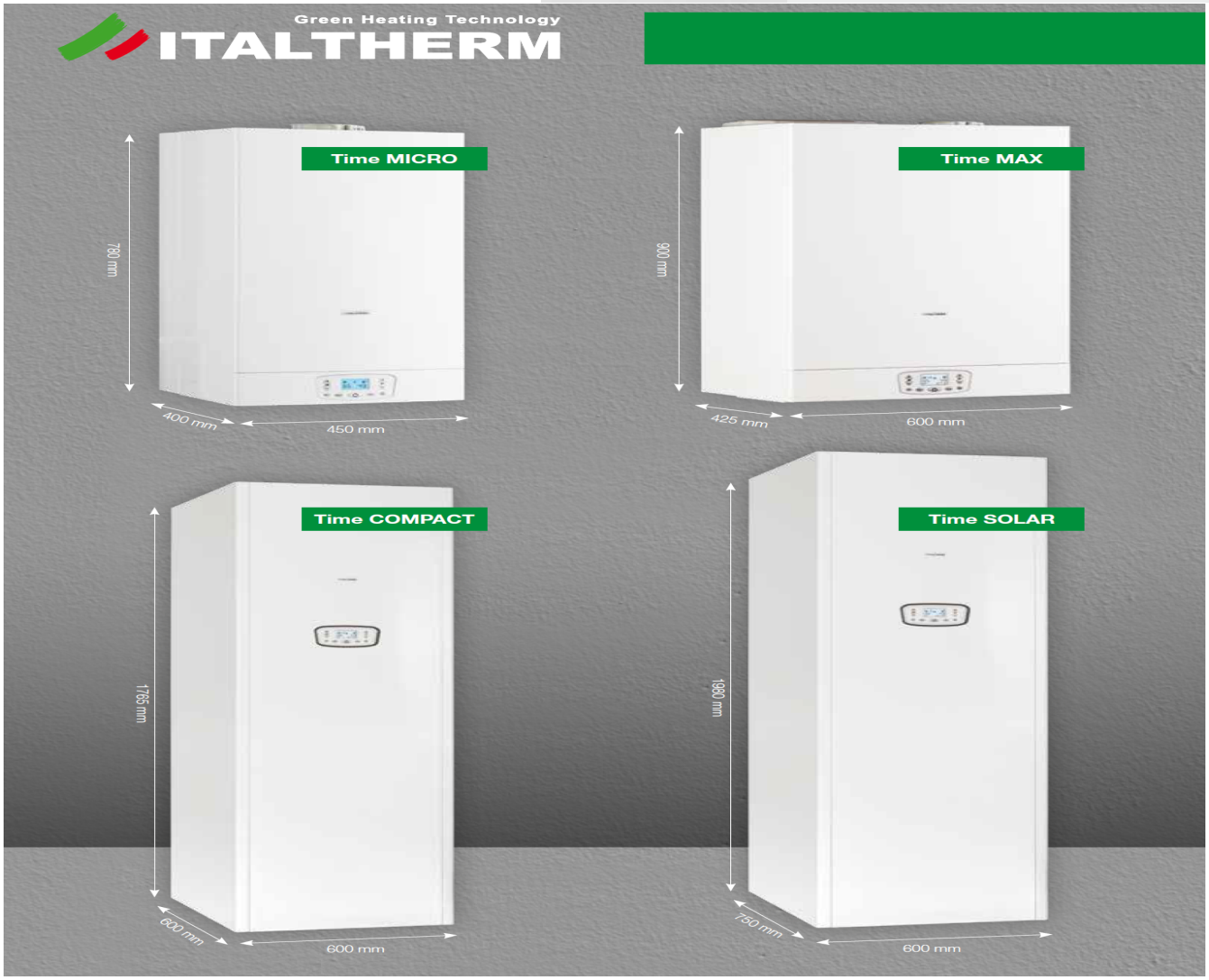
1. INTELLIGENT REMOTE CONTROL



2. APP END-USER

Green Heating Technology

ITALTHERM



Model		Time Micro 27K		Time Micro 35 K		Time Max 27K		Time Max 35K		Time Max 24F		Time Max 30F		Time Compact 35K		Time Solar 18K	Time Solar 35K	
Gas type		G20	G31	G20	G31	G20	G31	G20	G31	G20	G31	G20	G31	G20	G31	G20	G20	G31
Category		II2H3P				II2H3P		II2H3P		Suspended production				II2H3P		I2H	II2H3P	
Type		B23-B23P-C13-C33-C43-C53-C63-C83-C93												B23-B23P-C13-C33-C43-C53-C63-C83-C93				
working temperature (min-max)	°C	0 ÷ +60																
Max heat input Qn	kW	26.0		33.0		26.0		33.0						33.0		17.8	33.0	33.0
Min heat input Qr	kW	2.6	4.0	3.4	5.0	2.6	4.0	3.4	5.0					3.4	5.0	1.7	3.4	5.0
Max heat output 60°/80°C *	kW	25.1	25.1	32.0	32.0	25.1	25.1	32.0	32.0					32.0		17.1	32.0	32.0
Min heat output 60°/80°C *	kW	2.5	3.9	3.2	4.7	2.5	3.9	3.2	4.7					3.2	4.7	1.6	3.2	4.7
Max heat output 30°/50°C *	kW	27.2	27.2	34.7	34.7	27.2	27.2	34.7	34.7					34.7		18.8	34.7	34.7
Min heat output 30°/50°C *	kW	2.7	4.2	3.6	5.2	2.7	4.2	3.6	5.2					3.6	5.2	1.8	3.6	5.2
NOx Class	kW	6												6				
Correct CO 0% O2 (at Qn)	ppm	165.3	201.5	176.1	184.4	165.3	201.5	176.1	184.4					176.1	175.2	176.8	176.1	175.2
CO2 (at Qn)	%	9.2	10.2	9.3	10.4	9.2	10.2	9.3	10.4					9.3	10.4	9.2	9.3	10.4
Condense quantity at Qn (at 30°/50°C *)	l/h	2.74	2.00	3.30	2.60	2.74	2.00	3.30	2.60					3.30	2.60	2.09	3.30	2.60
Condense quantity at Qr (at 30°/50°C *)	l/h	0.17	0.15	0.22	0.19	0.17	0.15	0.22	0.19					0.22	0.19	0.15	0.22	0.19
Condense pH value	pH	2.8																
Flue-gas temperature (at Qn)	°C	84.0	85.0	78.6	79.8	84.0	85.0	78.6	79.8					78.6	79.8	83.0	78.6	79.8
Flue-gas flowrate (at 60/80°C and at QN)	kg/h	42.21	43.16	53.02	53.87	42.21	43.16	53.02	53.87					53.02	53.87	28.90	53.02	53.87
EFFICIENCY																		
Nominal efficiency (NCV) at 60°/80°C *	%	96.6		97.0		96.6		97.0						97.0		96.2	97.0	
Nominal efficiency (NCV) at 30°/50°C *	%	104.7		105.1		104.7		105.1						105.1		105.6	105.1	
Efficiency at 30% Qa (NCV) at 30°C	%	107.6		107.6		107.6		107.6						107.6		107.5	107.6	
Note: the data were detected with horizontal coaxial flue kit = 1 meter																		
HEATING																		
Temperature ranges (min÷max) main zone	°C	35÷78 / 25÷45																
Temperature range (min÷max) secondary zone	°C	25÷78																
Expansion vessel	l	8				8		8						12		12	12	
Max working pressure	bar	3																
Max temperature	°C	85																
Antifreeze function temperature on / off	°C	5 / 30																
DOMESTIC HOT WATER																		
storage tank capacity	l	4				60								120		200		
Flow rate at ΔT 25°C	l/min	15.6		19.9														
specific flow ΔT 30°C (EN625)						16		17						22.7		22	24	
DHW expansion vessel	l					2								5		11	11	
solar expansion vessel	l	–		–		–								–		18	18	
Max DHW pressure inlet	bar	6														8		
DHW range temperature	°C	30 ÷ 55														30 ÷ 60		
ELECTRICAL DATA																		
Voltage / Frequency (nominal voltage)	V / Hz	220÷240 / 50 (230V –15% ... +10%)				220÷240 / 50 (230V –15% ... +10%)		220÷240 / 50 (230V –15% ... +10%)						220÷240 / 50 (230V)		220÷240 / 50 (230V)	220÷240 / 50 (230V)	
Power consumption	W	100				100		100						100		95	100	
Protection level		IP X5D												IP X5D				
DIMENSIONS																		
Width - Height - Depth	mm	450x780x400		450x780x400		600x900x425		600x900x425						600x1765x600		600x1980x750	600x1980x750	
Weight	kg	45		46.5		59.0		60.0						149		199	212	
CONNECTIONS																		
Hydraulic and gas connections	Pa	30 ÷ 130																
GAS PRESSURE INLET																		
Pressione nominale	mbar	20		37		20	37	20	37					20	37	20	20	37
Pressione in ingresso (min÷max)	mbar	17÷25	35÷40	17÷25	35÷40	17÷25	35÷40	17÷25	35÷40					17 ÷ 25	35÷40	17 ÷ 25	17 ÷ 25	35÷40
CONSUMO DE GAS																		
Qmax	m³/h	2.75				2.75	-	3.49	-					3.49	-	1.88	3.49	
	kg/h			2.02			2.02		2.56						2.56			2.56
Qmin	m³/h	0.27				0.27	-	0.36	-					0.36	-	0.18	0.36	
	kg/h			0.31			0.31		0.39						0.39			0.39
ErP DATA SHEET																		
DHW declared load profile		XL		XL		XL		XXL						XXL		XXL	XXL	
Seasonal heating energy efficiency class		A		A		A		A						A		A	A	
DHW energy efficiency class		A		A		A		A						B		B	B	
Nominal heat	$P_{nominale}$ kW	25		32		25		32						32		17	32	
Seasonal Space Heating Energy Efficiency (GCV)	(η_s) %	83		83		87		85						92		91	92	
Sound power level	L_{WA} dB	57																