

# LIPARI

## Технические характеристики

### По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231	Калининград (4012)72-03-81	Омск (3812)21-46-40	Сыктывкар (8212)25-95-17
Ангарск (3955)60-70-56	Калуга (4842)92-23-67	Орел (4862)44-53-42	Тамбов (4752)50-40-97
Архангельск (8182)63-90-72	Кемерово (3842)65-04-62	Оренбург (3532)37-68-04	Тверь (4822)63-31-35
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Брянск (4832)59-03-52	Красноярск (391)204-63-61	Ростов-на-Дону (863)308-18-15	Ульяновск (8422)24-23-59
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Владикавказ (8672)28-90-48	Курган (3522)50-90-47	Самара (846)206-03-16	Уфа (347)229-48-12
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Волгоград (844)278-03-48	Магнитогорск (3519)55-03-13	Санкт-Петербург (812)309-46-40	Чебоксары (8352)28-53-07
Вологда (8172)26-41-59	Москва (495)268-04-70	Саратов (845)249-38-78	Челябинск (351)202-03-61
Воронеж (473)204-51-73	Мурманск (8152)59-64-93	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
Екатеринбург (343)384-55-89	Набережные Челны (8552)20-53-41	Симферополь (3652)67-13-56	Чита (3022)38-34-83
Иваново (4932)77-34-06	Нижний Новгород (831)429-08-12	Смоленск (4812)29-41-54	Якутск (4112)23-90-97
Ижевск (3412)26-03-58	Новокузнецк (3843)20-46-81	Сочи (862)225-72-31	Ярославль (4852)69-52-93
Иркутск (395)279-98-46	Ноябрьск (3496)41-32-12	Ставрополь (8652)20-65-13	
Казань (843)206-01-48	Новосибирск (383)227-86-73	Сургут (3462)77-98-35	
Россия +7(495)268-04-70	Киргизия +996(312)-96-26-47	Казахстан +7(7172)727-132	

# LIPARI PRO TFS 11i - 14i

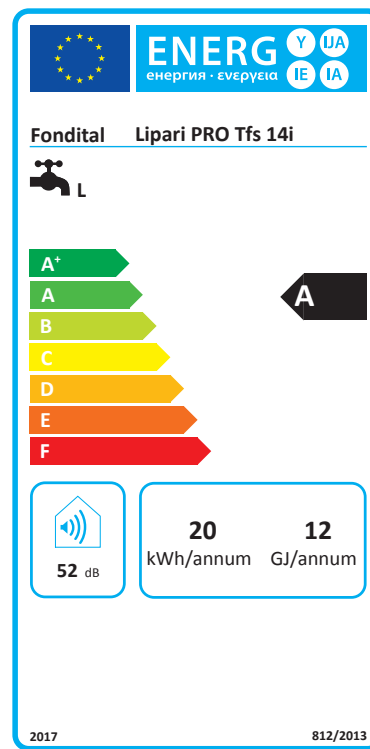
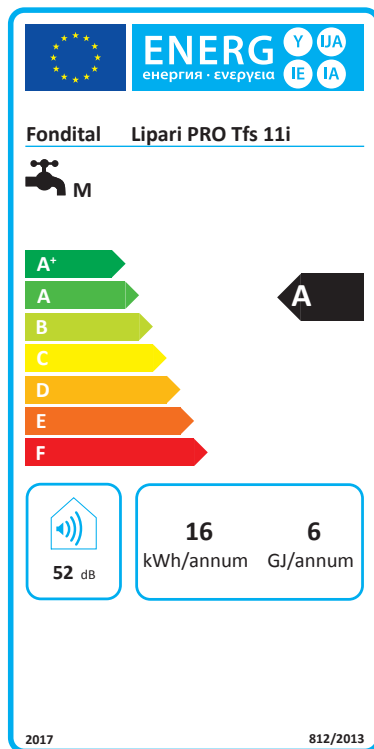


## ErP Ready

The appliance complies with the Regulation (EU) 2017/1369 setting a framework for energy labelling.

The energy label carries the information regarding the product's energy efficiency characteristics.

In this way the end consumer can identify and compare similar products and can make informed choices regarding high efficiency appliances.



### PRODUCT DATA SHEET

Fondital		Lipari Pro Tfs 11i	Lipari Pro Tfs 14i
Declared load profile		M	L
Internal sound power level	dB(A)	52	52
Water heating energy efficiency class		A	A
Water heating energy efficiency	%	71	77
Annual power consumption	GJ	6	12
Annual power consumption	kWh	16	20
Nitrogen oxide emissions G20-G30-G31	mg/kWh	35-60-45	29-45-21

# Technical data

		Lipari ProTfs I li			Lipari ProTfs I 4i		
		kW - kcal/h			kW - kcal/h		
Nominal heat input (Qn)		21,5 - 18.490			27,0 - 23.220		
Nominal output power (Pn)		19,3 - 16.600			24,3 - 20.900		
Minimum heat input (Qm)		9,5 - 8.170			10,0 - 8.600		
Minimum output power (Pm)		8,6 - 7.400			9,0 - 7.740		
GAS TYPE		NATURAL GAS	BUTANE	PROPANE	NATURAL GAS	BUTANE	PROPANE
		G20	G30	G31	G20	G30	G31
P.C.I. (15° C 1013 mbar)	MJ/m³	34,02	116,09	88,00	34,02	116,09	88,00
W.I. (15° C 1013 mbar)	MJ/m³	45,67	80,58	70,69	45,67	80,58	70,69
Consumption (15° C 1013 mbar)		2,28 m³/h	1,70 kg/h	1,67 kg/h	2,86 m³/h	2,13 kg/h	2,10 kg/h
Maximum burner pressure	mbar	11,7	28,3	36,4	12,4	28,2	36,0
Minimum burner pressure	mbar	2,6	6,1	8,0	2,0	4,4	5,6
N. nozzle Ø Main burner nozzle	N. mm	18x0,86 +4x0,83	18x0,50 +4x0,48		24x0,86 +4x0,83	24x0,50 +4x0,48	24x0,50 +4x0,48
NOx emissions (according to EN26:2015 on H <sub>2</sub> )	mg/kWh	35	60	45	29	45	21
Ø Gas connection		3/4			3/4		
Country of destination - Gas category		IT - II2R3R					
Nominal supply pressure	mbar	20	28-30	37	20	28-30	37
Country of destination - Gas category		ES-PT - II2R3R					
Nominal supply pressure	mbar	20	-	37	20	-	37
Country of destination - Gas category		ES-PT - I3R					
Nominal supply pressure	mbar	-	28-30	37	-	28-30	37
FUMES EXHAUSTION		Lipari ProTfs I li			Lipari ProTfs I 4i		
		G20	G30	G31	G20	G30	G31
Flue gas mass flow rate (min-max)	kg/h	39,308-60,035	42,465-57,527	43,379-49,379	40,233-66,526	45,936-73,412	38,273-62,873
Flue temperature (max-min)	°C	160 - 101	165 - 101	159 - 96	177 - 90	177 - 95	174 - 91
Air capacity	Nm³/h	46,315	44,359	37,911	51,262	56,620	48,280
Ø flue gas release tube		100/60 80/80			100/60 80/80		
FAN PERFORMANCE		Lipari ProTfs I li			Lipari ProTfs I 4i		
Residual head of boiler without pipes	Pa	72			90		
ELECTRICAL CIRCUIT		Lipari ProTfs I li			Lipari ProTfs I 4i		
Power supply voltage	V - Hz	230 - 50			230 - 50		
Electric power	W	41			59		
Degree of Protection		IPX5D			IPX5D		
INSTALLATION SITE TEMPERATURE		Lipari ProTfs I li			Lipari ProTfs I 4i		
Minimum working temperature	°C	3			3		
WATER		Lipari ProTfs I li			Lipari ProTfs I 4i		
Domestic water flow limiter	l/min	8			10		
Continuous intake capacity (ΔT 35 K)	l/min	8			10		
Minimum ignition flow	l/min	2			2		
Selectable water temperature	°C	37-60			37-60		
Minimum pressure	bar	0,13			0,13		
Maximum pressure	bar	10			10		
Ø water connections		1/2"			1/2"		
DIMENSIONS AND WEIGHTS		Lipari ProTfs I li			Lipari ProTfs I 4i		
Height	mm	619			619		
Width	mm	304			385		
Depth	mm	222 (238 with aesthetics)			222 (238 with aesthetics)		
Weight	Kg	14			16		

Note: cold water temperature of reference 15°C.

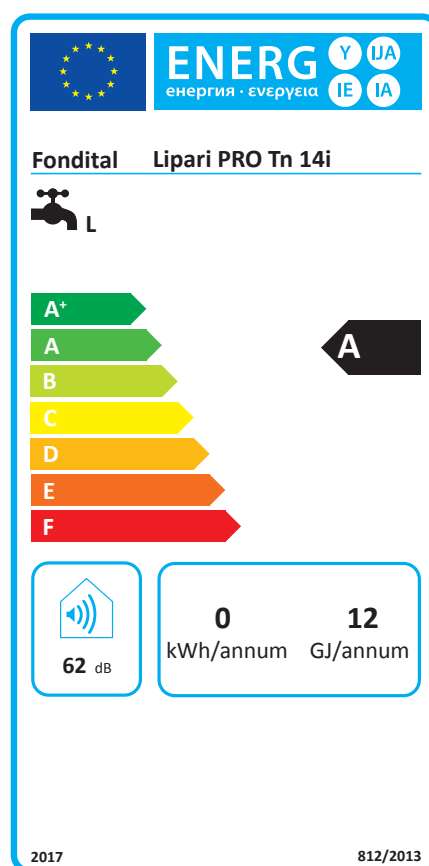
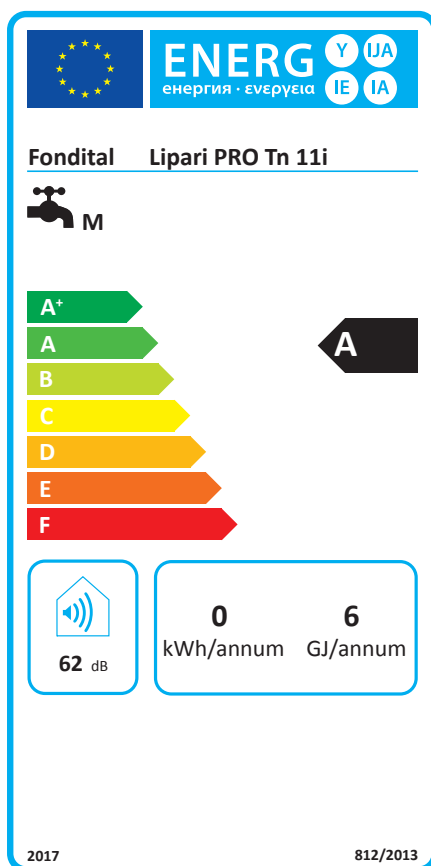
# LIPARI PRO TN 11i - 14i



The appliance complies with the Regulation (EU) 2017/1369 setting a framework for energy labelling.

The energy label carries the information regarding the product's energy efficiency characteristics.

In this way the end consumer can identify and compare similar products and can make informed choices regarding high efficiency appliances.



PRODUCT DATASHEET			
Fondital		LIPARI PRO TN 11i	LIPARI PRO TN 14i
Declared load profile		M	L
Indoor sound power level	dB(A)	62	62
Water heating energy efficiency class		A	A
Water heating energy efficiency class	%	72	75
Annual energy consumption	GJ	6	12
Annual energy consumption	kWh	0	0
Nitrogen oxide emissions (G20)	mg/kWh	26	34

## 1.c Technical Data

LIPARI		PRO TN 11i			PRO TN 14i		
		kW - kcal/h			kW - kcal/h		
Nominal power usage (Pn)		19,3 - 16.600			24,3 - 20.900		
Nominal Thermal range (Qn)		21,7 - 18.660			27,2 - 23.390		
Minimal power usage (Pm) (MTN / GPL)		8,7 - 7.480 / 9,6 - 8.260			9,7 - 8.340 / 12,3 - 10.580		
Minimal Thermal range (Qm) (MTN / GPL)		9,8 - 8.430 / 10,8 - 9.290			10,8 - 9.290 / 13,9 - 11.950		
GAS TYPE		METHANE GAS	BUTANE	PROPANE	METHANE GAS	BUTANE	PROPANE
		G20	G30	G31	G20	G30	G31
P.C.I. (15° C 1013 mbar)	MJ/m <sup>3</sup>	34,02	116,09	88	34,02	116,09	88
WI (15° C 1013 mbar)	MJ/m <sup>3</sup>	45,67	80,58	70,69	45,67	80,58	70,69
Nominal feed pressure	mbar	20	28-30	37	20	28-30	37
Consumption	m <sup>3</sup> /h	2,30	-	-	2,88	-	-
	kg/h	-	1,71	1,69	-	2,15	2,11
Burner Pressure	mbar	10,50	26,60	35,80	11,20	26,30	35,40
Ø pilot flame nozzle	mm	0,35	0,25		0,35	0,25	
N./Ø main burner nozzle	N./mm	24x0,85	18x0,48+6x0,50		30x0,85	22x0,48+8x0,50	
Ø gas connection		1/2"			1/2"		
Maximum flue gas load (max-min)	g/s	13,50-11,26	11,80-9,75	12,48-10,29	18,62-16,69	17,67-15,58	18,10-15,49
Flue gas temperature (max-min)	°C	161-101	157-110	173-118	158-86	155-115	162-110
Category		II2H3+			II2H3+		
Countries of destination		IT-ES-PT			IT-ES-PT		
NOx emissions (ccording to EN26:2015 on H <sub>2</sub> )	mg/kWh	26,0	61,0	20,0	34,0	56,0	16,0

WATER		PRO TN 11i		PRO TN 14i	
Input range	l/min	select. min. from 2,5 to 5	select. max from 5 to 10,8	select. min. from 2,5 to 6,7	select. max from 6,7 to 13,6
Water temperature elevation	°C	approximately 50	approximately 25	approximately 50	approximately 25
Minimum pressure	bar	0,2		0,2	
Nominal pressure	bar	2		2	
Maximum pressure	bar	10		10	
Ø Water connections		1/2"		1/2"	
Ø flue gas release tube	mm	110		130	

DIMENSIONS AND WEIGHTS		DEVICE	PACKAGE	DEVICE	PACKAGE
Height	mm	592	675	650	733
Length	mm	314	361	363	410
Depth	mm	250	280	250	280
Weight	Kg	11,80	13,40	13,60	15,30

Note: cold water temperature of reference 15°C.

**По вопросам продаж и поддержки обращайтесь:**

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