



**NEWATHERM**

**Premix  
Full Condensing  
Combi Boilers**

triton



dione



CE



[www.newatherm.com](http://www.newatherm.com)



**3**

**YEARS  
WARRANTY**



# NEWATHERM

## triton/dione PREMIX

### full condensing combi boilers

- Ergonomic design
- High energy saving
- Silent operation
- Heat various places with 6 different capacity option **20-24-28-35-42-45 kW**



- High boiler efficiency up to 109%
- Ergonomic control panel design
- Silent operation
- 1/4 modulation rate
- 20-24-28-35-42-45 kW capacities
- Room thermostat, external weather temperature sensor
- Adjustable fan speed according to the desired boiler temperature with fan modulation. It provides high efficiency&low noise.
- Low exhaust gas emissions& high combustion efficiency with stainless steel heat exchanger and burner
- Protection of the fitting and combi boiler by the help of the automatic By-Pass system
- Protection against freezing
- Design that facilitates service and maintenance
- Low NOx ve CO emissions
- Less consumption with using energy efficiency circulation pump

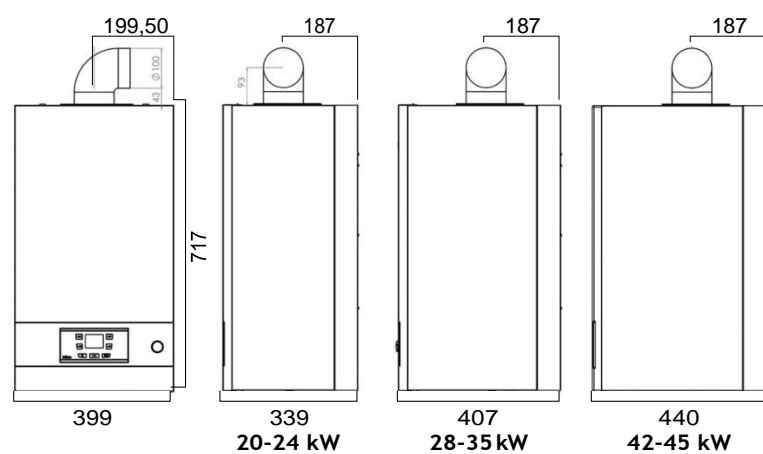
**Class A High Efficiency**

**ErP**

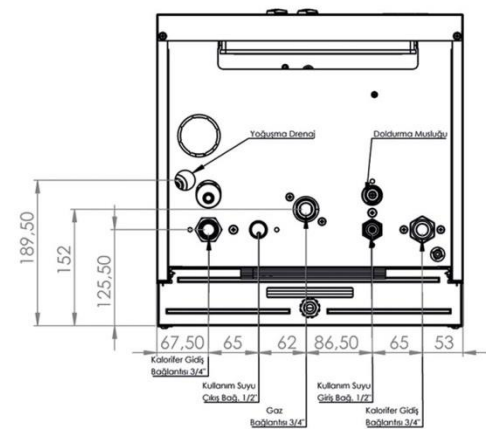
Class A high seasonal efficiency in both radiator heating and hot water production.

Compatible to the European Union ErP regulation.

Dimensions



Connections



# Superior Safety System

- Safety ignition system against flame loss
- Over heating protection in Radiator Heating (95°C)
- Flue sensor for the safe evacuation of the exhaust gas (95°C)
- High water pressure (3 bars)
- Low water pressure (0,8 bars)
- Anti-freeze protection both radiator heating and domestic hot water circulation
- Expansion tank (8 litres)
- Pump blockage protection
- Safe temperature for domestic hot water usage



**triton**  
PREMIX  
Full Condensing  
Combi Boiler



**dione**  
PREMIX  
Full Condensing  
Combi Boiler

## triton/dione PREMIX technical specifications

Premix Full Condensing Combi Boilers		Triton/Dione 20	Triton/Dione 24	Triton/Dione 28	Triton/Dione 35	Triton/Dione 42	Triton/Dione 45
Gas Category		G20	G20	G20	G20	G20	G20
Gas Input Pressure (G20)		20	20	20	20	20	20
Types		C13 , C33, C43, C53, C83,C93, B23, B33	C13 , C33, C43, C53, C83,C93, B23, B33	C13 , C33, C43, C53, C83,C93, B23, B33	C13 , C33, C43, C53, C83,C93, B23, B33	C13 , C33, C43, C53, C83,C93, B23, B33	C13 , C33, C43, C53, C83,C93, B23, B33
Category		I2H (G20 = 20 mbar)	I2H (G20 = 20 mbar)	I2H (G20 = 20 mbar)	I2H (G20 = 20 mbar)	I2H (G20 = 20 mbar)	I2H (G20 = 20 mbar)
<b>Radiator Heating Circulation</b>							
Seasonal Heating Energy Efficiency Class (ErP)		A	A	A	A	A	A
Seasonal Heating Energy Efficiency (ns)	%	92,9	93	93	93	93	94
Maximum Efficiency (Partial Load)	%	108,4	108,4	108,8	108,89	108,49	109
Maximum Nominal CH Power (50-30 °C)	kW	20,5	22,91	28,16	35,21	42,93	45,66
Minimum Nominal CH Power (50-30 °C)	kW	5,24	5,5	6,68	8,17	10,93	10,93
Maximum Nominal CH Power (80-60 °C)	kW	18,77	21,02	25,44	32,34	37,77	41,48
Minimum Nominal CH Power (80-60 °C)	kW	4,77	5,08	6,04	7,5	10,19	10,17
Maximum Nominal Input Power (Qi)	kW	19,6	21,79	26,5	33,51	39,23	42,9
Minimum Nominal Input Power (Qi)	kW	5	5,25	6,44	7,93	10,59	10,66
Radiator Heating Operation Range	°C	20-80	20-80	20-80	20-80	20-80	20-80
Radiator Heating Max. Pressure	bar	3	3	3	3	3	3
Radiator Heating Min. Pressure	bar	0,8	0,8	0,8	0,8	0,8	0,8
Nox Class		6	6	6	6	6	6
Gas Consumption at Maximum Load	m <sup>3</sup> /h	2,07	2,3	2,79	3,54	4,15	4,54
Gas Consumption at Minimum Load	m <sup>3</sup> /h	0,53	0,56	0,68	0,84	1,12	1,13
Expansion Tank Capacity	Litres	8	8	8	8	10	10
Expansion Tank Initial Pressure	bar	1	1	1	1	1	1
<b>Domestic Hot Water Circulation</b>							
Seasonal Hot Water Energy Efficiency Class (ErP)		A	A	A	A	A	A
Domestic Hot Water Energy Efficiency Profile		XL	XL	XL	XL	XL	XL
Domestic Hot Water Max. Power	kW	23	24	29	34,31	41	43
Domestic Hot Water Min. Power	kW	5	5,08	6,04	7,5	10,17	10,17
Hot Water Flow Rate (T = 30 °C) - Max.	l/dk.	10,7	11,36	13,7	16,22	19,3	20,21
Operation Range	°C	30-65	30-65	30-65	30-65	30-65	30-65
Max. Working Pressure	bar	9	9	9	9	9	9
Min. Working Pressure	bar	0,3	0,3	0,3	0,3	0,3	0,3
Annual Electrical Consumption for Water Heating	GJ	16,6	16,2	16,51	16,74	17,3	17,136
<b>Electrical Specifications</b>							
Electrical Supply	VAC	220-240	220-240	220-240	220-240	220-240	220-240
Frequency	Hz	50	50	50	50	50	50
Electrical Consumption	w	130	130	130	135	160	160
Protection Class		IPX4D	IPX4D	IPX4D	IP X4D	IP X4D	IP X4D
<b>Layout Connections</b>							
Gas Connections	inç	3/4	3/4	3/4	3/4	3/4	3/4
Radiator Circulation Inlet/ Return	inç	3/4	3/4	3/4	3/4	3/4	3/4
Domestic Water Inlet/Return	inç	1/2	1/2	1/2	1/2	1/2	1/2
<b>General Specifications</b>							
Sound Level	dB(A)	52	52	52	52	52	52
Flue Dimension - 0	mm	60/100	60/100	60/100	60/100	60/100	60/100
Dimensions (Height x Width x Depth) (without packaging)	mm	399 x 717 x 339	399 x 717 x 339	399 x 717 x 407	399 x 717 x 407	399 x 717 x 440	399 x 717 x 440
Dimensions (Height x Width x Depth) (include packaging)	mm	440 x 780 x 420	440 x 780 x 420	440 x 780 x 490	440 x 780 x 490	440 x 780 x 520	440 x 780 x 520
Weight (without packaging, Net)	kg	32,8	32,8	38,1	40,3	41,3	41,3
Weight (Include packaging)	kg	34,7	34,7	40,3	42,5	43,5	43,5

# Your Home's temperature in your control!

## Wireless Room Thermostats



### NEWA 250RF

- Large LCD with Backlight
- Battery Indicator
- Easy Usage
- Sensitive Temperature Measuring
- On-Off Control
- Temperature Calibration Setting



### Modem



### NEWA 300 RF

- Daily and Weekly Program 7/24
- Touch Keys
- Confor, Economy and Holiday Mode
- Large LCD with Backlight
- Battery Indicator
- Easy Usage
- Sensitive Temperature Measuring
- On-Off Control
- Temperature Calibration Setting

3

YEARS  
WARRANTY

ErP

## WIDE SERVICE NETWORK ACROSS TURKEY

for MAINTENANCE

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Customer  
Contact Center

You can get instant assistance from expert customer representatives by calling the NEWATHERM Customer Contact Center.

Instant solution to all kinds of problems that you need in after – sales services where ever you are in Turkey.

- Original spare parts and accessories
- Wide service network
- Expert technical support

Authorized Dealer



**NEWATHERM**

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