

MPX 28/33 BIC

*Gas condensing wall hung boiler,
for heating and DHW production,
with modulating burner
and electronic combustion controller*

Brand: **De Dietrich**

Modell: MPX 28/33 BIC

Operating pressure: 3 bar

Maximum temperature: 80°C

Dimensions: 600 (W) x 950 (H) x 466 (D) mm

DHW outlet : G 1/2"

Boiler heating flow : G 3/4"

Flue gas connection: Ø 60/100 mm



Description:

- Complies with the requirements of European directives
- Protection sign IPX5D
- Very high annual efficiency up to 109 % on PCI
- High level of comfort in DHW 3 ***: flow rates from 12 to 18.3 l/min
- 45 litres DHW storage tank with magnesium anode and new graphite insulation
- Seasonal space heating energy efficiency
- Stainless steel heat exchanger with double external envelope in composite
- Stainless steel plate heat exchanger, accessible from the front for easy maintenance
- Stainless steel pre-mix burner, modulating from 14 to 100 % of the output
- GCO combustion control system
- Modulating pump with efficiency sign EEI < 0,23
- Brass hydrobloc
- Possibility of limiting the maximum power to the needs of the installation
- Low polluting emissions: NOx < 15mg/kWh
- 10-litres expansion vessel
- Flame ignition and monitoring by ionization electrode
- Built-in condensate collector with siphon
- Electronic control panel with large LCD display, diagnostics help system
- Mechanical pressure gauge
- Integrated sanitary heating reversal valve

Boiler options:

- Hydraulic modules
- Flue accessories
- Hydraulic connecting set
- Solar kits for the DHW preheating
- Condensates neutralisation station
- Wall bracket for the neutralisation station
- Granules recharging (2 kg) for station

Control panel options:

- Non-programmable room thermostat
- Wired and radio programmable room thermostat
- Wired and radio modulating room thermostat
- Outdoor temperature sensor

Model	28/33 BIC	
Type of generator	Heating only	
Type of boiler	Condensing	
Energy	Natural gas or propan	
Useful nominal output at Pn	kW	28.9
Useful output at 50/30°C Pn (heating model with min.-max.)	kW	5.1 – 30.6
Useful output at 80/60°C (heating model min.-max.)	kW	4.7 - 28
Nominal output at 80/60 °C (DHW mode)	kW	33
Efficiency in % of low calorific power – 100% Pn at aver.temp. 70°C	%	97,7
at load... % Pn and water temp...°C – 30% Pn at return temp. 30°C	%	108.9
Seasonal space heating energy efficiency (1)	%	93
Nominal water output at $\Delta T = 20K$	m ³ /h	1.21
Manometric height available for heating circuit at $\Delta T = 20K$	mbar	150
Water capacity	l	1.8
- gas H	m ³ /h	3.60
Gas flow at Pn (15°C – 1013 mbar) - gas L	m ³ /h	4.18
- propan	kg/h	2.64
Max. flue-gas temperature at 80/60°C	°C	80
Min.-max. flue gas flow rate	kg/s	0.002-0.016
Flue gas pressure available	Pa	100
Stand-by losses at $\Delta T = 20K$	W	61
Auxiliary electrical power (ex. heating pump) at Pn	W	60
Electrical power in stand-by	W	3
Electrical power heating pump	W	23
Noise output	dB(A)	53
Net weight	kg	67.5
(1) according to commission regulation (EU) no. 813/2013		