

Pixel



25N



25F - 29F

CE

**EFFICIENCY RANGE
(92/42/CE)**

★★★

PIXEL

25F - 29F - 25N

Wall-hung boiler

Compact Digital

Powers: 25 kW - 29 kW

COMPACT SIZE



For technical data sheets, instruction and maintenance booklet, specifications notes see the link below
www.arcacaldaie.com



PIXEL 25F - 29F - 25N



25N



25F - 29F

ULTRA-ADVANCED TECHNOLOGY AND REFINED DESIGN

IN A ONLY ONE PRODUCT

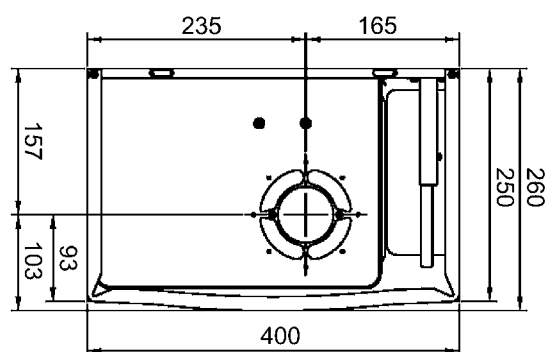
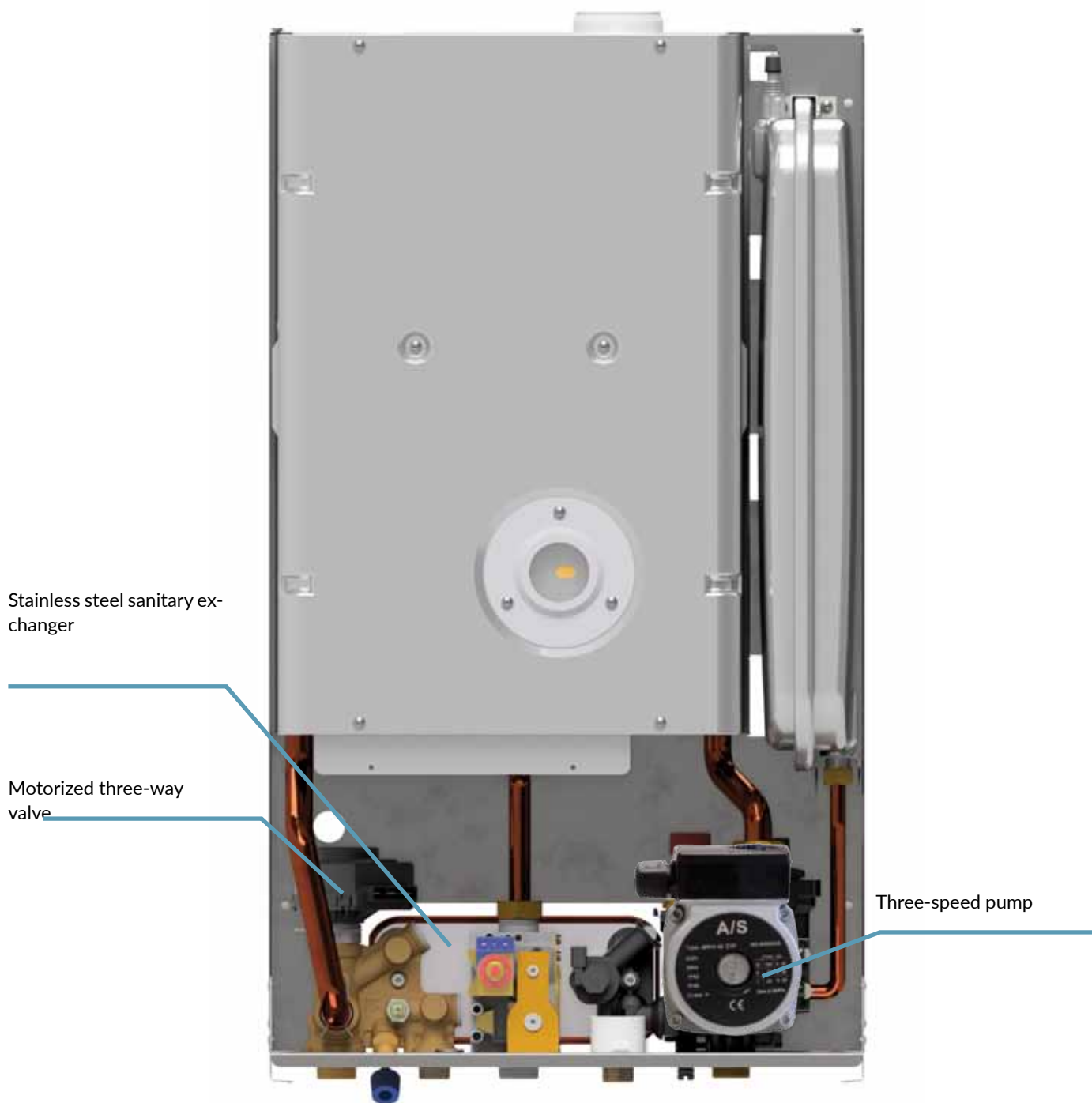
The new boiler Pixel, offers advanced solutions in terms of safety, performance and quality and anticipates a sea change in the heating industry: the introduction of digital technology.

VERSIONS

Model	Code
PIXEL 25F	
METHANE	ECOPX101P2
LPG	ECOPX151P2
PIXEL 29F	
METHANE	ECOPX201P2
LPG	ECOPX251P2
PIXEL 25N	
METHANE	ECOPX001P2
LPG	ECOPX051P2

PIXEL 25F

FORCED DRAFT



Dimensions
25F

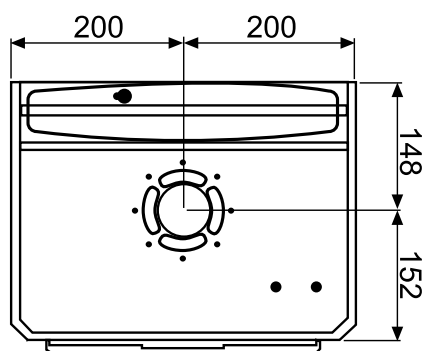
PIXEL 29F

FORCED DRAFT

Stainless steel sanitary ex-
changer

Motorized three-way
valve

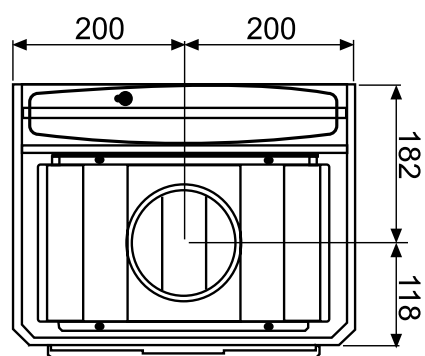
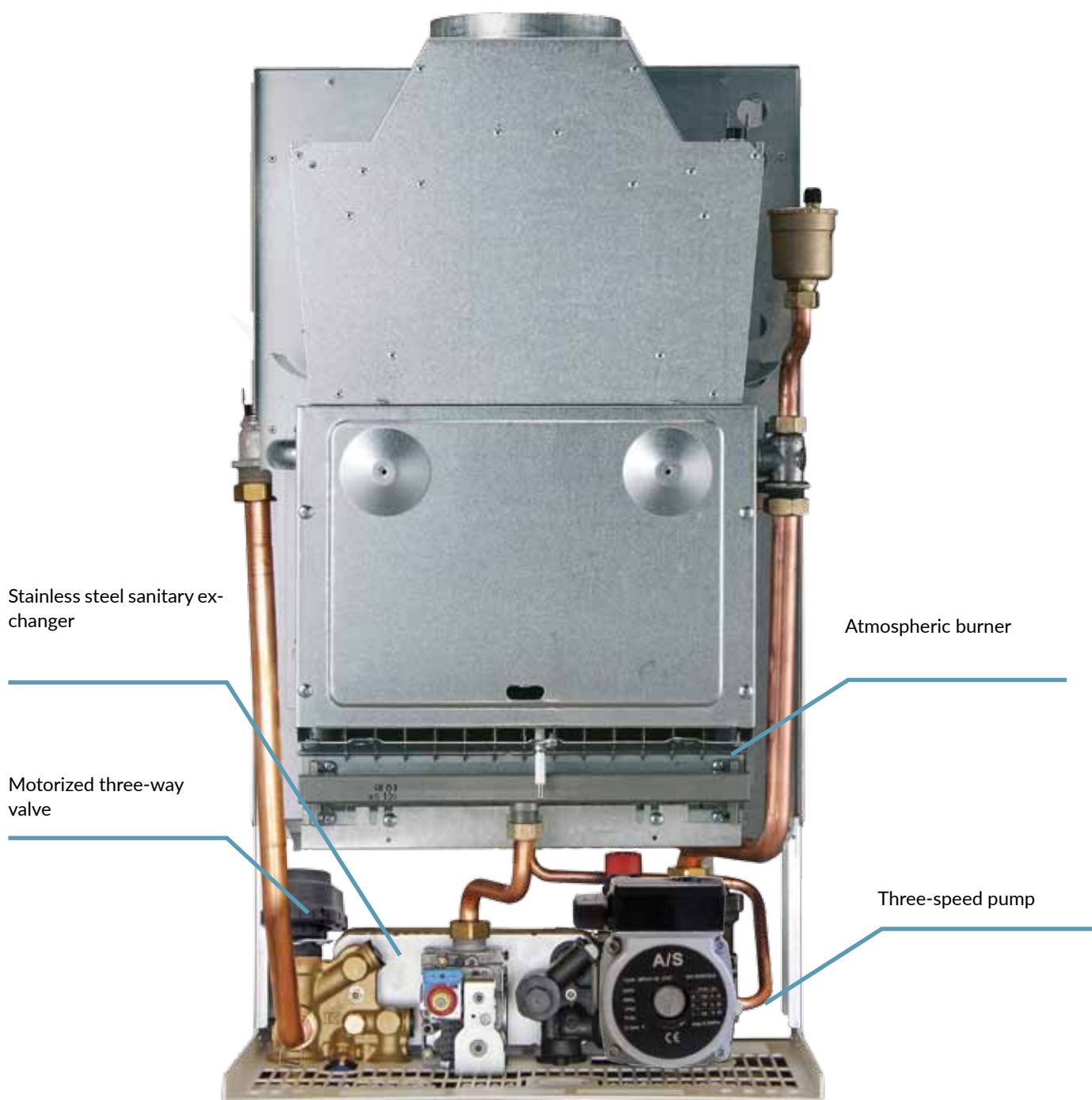
Three-speed pump



Dimensions
29F

PIXEL 25N

NATURAL DRAFT



Dimensions
25N

THE HYDRAULIC UNIT IS MADE OF MONOFUSIONS OF BRASS

The hydraulic unit is made of monofusions of brass integrated with low flow charge tap and standard bypass. The 12-plate stainless steel water-water exchanger enables a large production of sanitary hot water at controlled temperature and a considerable resistance to calcareous deposit.

ARCA has chosen to show its components in its catalogues in order to enhance their quality such as the brass hydraulic unit, a guarantee of long life.

The solution with motorized three-way valve, with a limited electrical consumption, allows a faster control of the antifreeze function and the use of the hot water supply function even with limited withdrawals.



Hydraulic unit

DIGITAL TECHNOLOGY AND SELF-DIAGNOSIS SYSTEM

Heating mode indicator

Sanitary mode Indicator

Boiler management, controls, settings, self-diagnosis and security are ensured by a state-of-the-art digital electronic display that displays all generator functions on a backlit display

The maximization of performance and therefore the reduction of consumption, requires, in addition to intelligent electronics, the provision of an external sensor that allows in any plant condition the minimum operating temperature.



Indicator of:
-Temperature
-Pressure
-Fault code
-Boiler parameters

Functioning mode selector
summer/winter/off

Heating
Regulator

DIGITAL WEEKLY THERMOSTAT TIMER

The digital weekly thermostat, allows programming temperature in the room, for every day of week.
Power supply by battery.
Connection to the boiler by cable.



Cod. ACC0004P4

UNIVERSAL WI-FI REMOTE CONTROL

Universal WI Fi remote with remote control for only on and off and temperature control environment.
Needs connection WI FI in the local. Easy and quick installation.
For instructions of use and installation, see video on YouTube: Arca Chrono Wi-Fi



Remote control



Screenshot on smartphone or tablet device

TECHNICAL DATA (G20). MODELES PIXEL

Type	Unit	Pixel 25 N B11BS	Pixel 25 F C12-C32-C42-C52	Pixel 29 F C12-C32-C42-C52
Normal thermal power	KW	27	27	31,5
Normal power	KW	24,7	25,1	29,3
Efficiency	%	91,3	92,9	93
Minimal Thermal Power	KW	10,5	10,5	12,4
Minimal Power	KW	9,4	9,5	11,3
Efficiency to reduced load Ref. PCI (30% Pn-50°C/30°C)	%	89,5	90,7	91,2
Gas capacity at P methane G20 (2E+) m3/h	m³/h	2,855	2,855	3,331
Methane G25 (2ELL) m3/h	m³/h	3,32	3,32	3,874
LPG G30 (3+)	Kg/h	2,128	2,128	2,482
LPG G31 (3P)	Kg/h	2,096	2,096	2,445
GAS PRESSURE of G20 (2e+) Methane Net	mbar	20	20/25	20
Methane G25 (2ELL)	mbar	20	20	20
LPG G30 (3+)	mbar	29	29	29
LPG G31 (3P)	mbar	37	37	37
Smoke temperature	°C	115,3	126,7	131,4
CO2 (G20)	%	6	7,7	7,6
Warmth loss with burner working	%	6,8	6,6	6,5
Heat loss to the shell (ΔT = 50°C) %	%	0,2	0,2	0,1
Steam capacity Nm3/h	%	1,9	0,3	0,5
Volume maximum des fumées	Nm3/h	58,7	47	55,5
HEATING				
Minimum Heating set point °C	°C	35	35	35
Maximum Heating set point °C	°C	90	90	90
Water volume in boiler	l	1,2	1,2	1,2
Water volume in expansion vessel	l	7,5	6	7,5
Expansion vessel pressure	bar	0,7	0,7	0,7
Minimum Pressure in primary circuit	bar	0,4	0,4	0,4
Maximum Pressure in primary circuit	bar	3	3	3
Max. water quantity in the installation	l	150	120	150
Heating Plant available pump head at the flow rate of Q=1000	mbar	230	230	230
SANITARY				
DHW minimum set point	°C	30	30	30
DHW maximum set point	°C	60	60	60
Hot water continuous production AT=30°C	l/min	14,1	14,4	16,8
Hot water continuous production AT=35 °C l	l/min	10,1	10,3	12
Minimum DHW Flow rate	l/min	2,5	2,5	2,5
Maximum DHW Pressure	bar	8	8	8
Minimum DHW Pressure	bar	0,5	0,5	0,5
ELECTRICAL FEATURES				
Power supply voltage/frequency	V/Hz	230/50	230/50	230/50
Absorbed electric power	W	90	120	120
HYDRAULIC CONNECTIONS				
Heating connections	Inch	3/4"	3/4"	3/4"
DHW connections	Inch	1/2"	1/2"	1/2"
Gas connections	Inch	3/4"	3/4"	3/4"
SIZE				
Height	mm	720	700	760
Depth	mm	300	250	300
Width	mm	400	400	400
DISCHARGE TUBES LENGHT				
Coaxial Ø 60 / 100 mm	m	-	4	4
Split Ø 80 mm	m	-	30	30
OTHER DATA				
Weight	Kg	32,5	32,6	33
Protection level IP	IP	IP4X	IP4X	IP4X
Certification CE		68	68	68

ARCA TODAY

3 Production plants

80 Agencies

1 Logistics unit of 9,000 square meters to ensure quick delivery of material

420 Technical services in Italy

37 Countries in the world where Arca is present

WALL HUNG BOILERS
WOOD BOILERS
WOOD/PELLET AUTOMATIC
BOILERS
HOT AIR PELLET
GENERATORS
PELLET STOVES
SOLAR INSTALLATIONS
FLOOR HEATING SYSTEMS
AIR CONDITIONING



ARCA
caldaie

ARCA srl

Via 1° Maggio, 16
46055 S. Giorgio Bigarello (MN)
Tel. 0376/372206 r.a. - Fax 0376/374646
P. IVA 0158867 020 6
arca@arcacaldaie.com

www.arcacaldaie.com

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