

discover the NEW

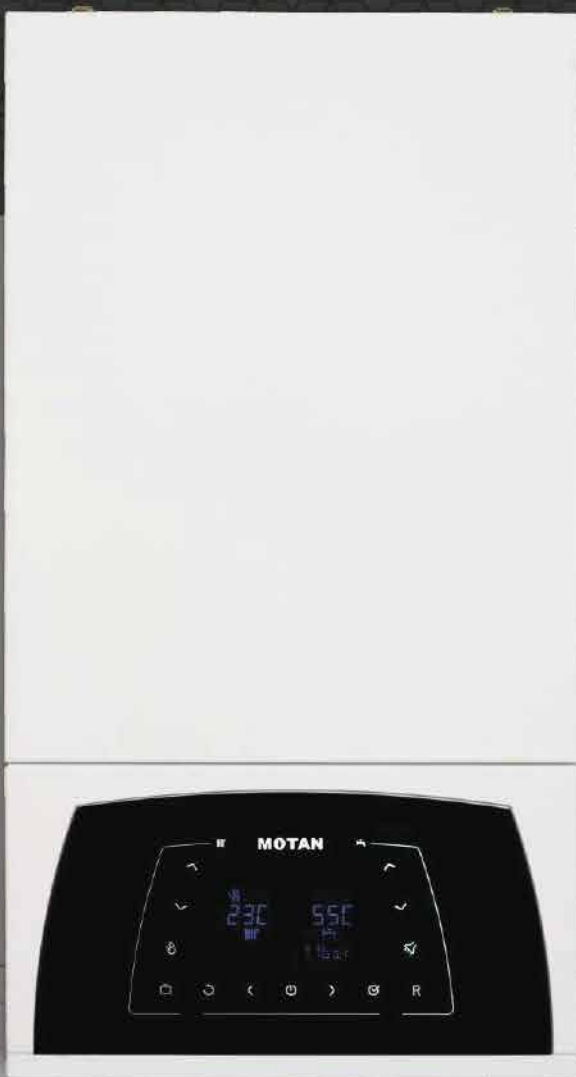
CONDENS

series

condensing wall hung gas boilers



CONDENS 100

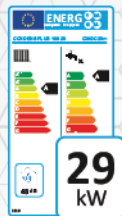


CONDENS PLUS 100



CONDENS 050

CONDENS PLUS 100



CLIENT ADVANTAGES:

- ♦ HIGT-TECH look - glass frontal panel (touch screen) with 4.3 inch display (visible area) ;
- ♦ Up to 106% efficiency and 1:10 modulation ratio;
- ♦ Power range 25, 29 and 35 kW;
- ♦ Friendly environment - during operation releases significantly reduced amounts of NO_x, CO and CO₂ - Class NO_x 5;
- ♦ High comfort on DHW circuit - OVERSIZED secondary heat exchanger;
- ♦ Designed and build for maximum operating efficiency and economy according to the latest European legislative requirements;
- ♦ STAINLESS STEEL primary heat exchanger;
- ♦ The possibility of connecting a chrono-thermostat, remote control panel and/or external temperature probe;

Constructive and functional characteristics

Type	C38GC25V1 CONDENS PLUS	C38GC29V1 CONDENS PLUS	C38GC35V1 CONDENS PLUS		
Trade name	10025	10029	10035		
Efficiency stars (dir. 92/42/CEE)	****	****	****		
Gas category to be used	G20-I2H				
Flue type	Forced, variable speed fan				
Nox class (G20-I2H, G24, G25.1, G31)	5	5	5		
Heating energy efficiency class	A	A	A		
Max power (80/60°C)(G20-I2H)	25,6 kW	28,3 kW	32,8 kW		
Max power (50/30°C - condensing)(G20-I2H)	28,2 kW	32,4 kW	35,8 kW		
Output performance at nominal heat input (80/60°C)(G20-I2H)	97%	97%	97%		
Output performance at nominal heat input (50/30°C - condensing)(G20-I2H)	106%	106%	106%		
Max gas nominal consumption	≈2,8 Nm ³ /h	≈3 Nm ³ /h	≈3,5 Nm ³ /h		
Gas pressure (G20-I2H)		20 mbar			
Gas pressure (GN)		35 mbar			
Maximum pressure on CH circuit		0,8 ÷ 3 bar			
Temperature adjustment interval CH		30 ÷ 80°C			
Temperature adjustment interval underfloor		15 ÷ 45°C			
Maximum pressure on the hot water circuit		0,2 ÷ 8 bar			
Temperature adjustment interval		30 ÷ 55°C			
Hot water flow at ΔT = 30°C (flow restrictor 12l/min)	13,5 l/min	15,7 l/min	17 l/min		
DHW Confort EN 13203	****	***	**		
DHW efficiency class		A, load profile XL			
Constructive features	Height (mm)	750	750	750	
	Width (mm)	400	400	400	
	Depth (mm)	345	345	345	
	Weight	32 kg	34 kg	35 kg	
	Primary heat exchanger capacity		1,4 l	1,6 l	1,8 l
		Thermal input, output		3/4"	
	Connectors	Cold water input, hot water output		1/2"	
		Gas input		3/4"	
	Expansion vessel with membrane		8 l		
	Air/ gas incoming/ outgoing flue pipe		Coaxial D100/D60, Dual D80*		
Length of burnt gases connecting pipe		Coaxial max 20m; Dual max 20m*			
Evacuation type		B15, B15, C10, C10, C15, C15, C20, C20, C25, C25, C30, C30, C35, C35, C40, C40, C45, C45, C50, C50, C55, C55, C60, C60			
Flue temp.		≈80°C	≈70°C	≈82°C	
Electrical characteristics	Power		~230VAC/50 Hz		
	Nominal power		81 W		
	Protection class		IP 40		

* The standard gas boiler is delivered with dual coaxial kit as accessory; dual kit is delivered as accessory on demand



MOTAN wall hung gas boilers integrate components of the best quality:

- ♦ Condensing heat exchanger Circond - Valmex (Italy);
- ♦ Circulation pump GRUNDFOS (Denmark);
- ♦ Gas valve SIT (Italy);
- ♦ Build-in gas-air nozzle fan SIT (Italy);
- ♦ Brass hydroblock Fugas (Italy);
- ♦ Safety valve Kramer / Bitron (Italy);



CONDENS 100 25

CLIENT ADVANTAGES:

- ◆ The top model in the range of MOTAN boiler;
- ◆ New design, with 4.3 inch backlight display (visible area);
- ◆ Up to 106% efficiency and 1:10 modulation ratio;
- ◆ Friendly environment - during operation releases significantly reduced amounts of NO_x, CO and CO₂ - Class NO_x 5;
- ◆ High comfort on DHW circuit - OVERSIZED secondary heat exchanger;
- ◆ Designed and build for maximum operating efficiency and economy according to the latest European legislative requirements;
- ◆ STAINLESS STEEL primary heat exchanger;
- ◆ The possibility of connecting a chrono-thermostat, remote control panel and/or external temperature probe;

Constructive and functional characteristics

Model	C38GC25-PV1		
Trade name	CONDENS 100 25		
Efficiency stars (dir. 92/42/CEE)	★★★★		
Gas category to be used	G20-I2H		
Flue type	Forced, variable speed fan		
Nox class (G20-I2H, G24, G25.1, G31)	5		
Heating energy efficiency class	A		
Max power (80/60°C)(G20-I2H)	25,6 kW		
Max power (50/30°C - condensing)(G20-I2H)	28,2 kW		
Output performance at nominal heat input at (80/60°C)(G20-I2H)	97%		
Output performance at nominal heat input (50/30°C - condensing)(G20-I2H)	106%		
Max gas nominal consumption	≈ 2,82 Nm ³ /h		
Gas pressure (G20-I2H)	20 mbar		
Gas pressure (GN)	35 mbar		
Maximum pressure on CH circuit	0,8 ÷ 3 bar		
Temperature adjustment interval CH	30 ÷ 80°C		
Temperature adjustment interval underfloor	15 ÷ 45°C		
Maximum pressure on the hot water circuit	0,2 ÷ 8 bar		
Temperature adjustment interval	35 ÷ 55°C		
Hot water flow at ΔT = 30°C (flow restrictor 12l/min)	13,5 l/min		
DHW Confort EN 13203	★★★★		
DHW efficiency class	A, load profile XL		
Constructive features	Height (mm)	750	
	Width (mm)	400	
	Depth (mm)	345	
	Weight	35 kg	
	Primary heat exchanger capacity	1,4 l	
	Connectors	Thermal input, output	3/4"
		Cold water input, hot water output	1/2"
		Gas input	3/4"
	Expansion vessel with membrane	8 l	
	Air/ gas incoming/ outgoing flue pipe	Coaxial D100/D60, Dual D80*	
Length of burnt gases connecting pipe	Coaxial max 20m; Dual max 20m*		
Evacuation type	B ₂ , B ₂ , C ₂ , C ₂ , C ₂ , C ₂ , C ₂ , C ₂ , C ₂ , C ₂ , C ₂ , C ₂ , C ₂ , C ₂ , C ₂ , C ₂ , C ₂ , C ₂ , C ₂ , C ₂ , C ₂		
Flue temp.	≈ 70°C		
Electrical characteristics	Power	≈ 230V/50 Hz	
	Nominal power	81 W	
	Protection class	IP 40	

* The standard gas boiler is delivered with dual coaxial kit as accessory; dual kit is delivered as accessory on demand



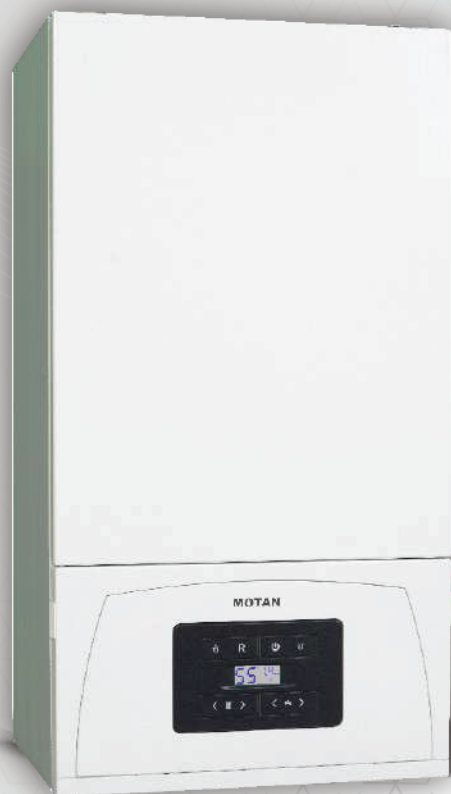
MOTAN wall hung gas boilers integrate components of the best quality:

- ◆ Condensing heat exchanger Circond - Valmex (Italy);
- ◆ Circulation pump GRUNDFOS (Denemark);
- ◆ Gas valve SIT (Italy);
- ◆ Build-in gas-air nozzle fan SIT (Italy);
- ◆ Safety valve Kramer / Bitron (Italy);
- ◆ Expansion vessel ZILIO (Italy);

CONDENS 050

CLIENT ADVANTAGES:

- ◆ High and constant efficiency line of boilers;
- ◆ New design - LCD control panel with assure end-user smart and intuitive interface;
- ◆ Up to 104% efficiency and 1:4 modulation ratio;
- ◆ Power range 24 and 28 kW;
- ◆ High comfort on DHW circuit - OVERSIZED secondary heat exchanger;
- ◆ Designed and build for maximum operating efficiency and economy according to the latest European legislative requirements;
- ◆ The possibility of connecting a chrono-thermostat, remote control panel and/or external temperature probe;



Technical and functional characteristics

Type	C34GV24-PV2	C34GV28-PV1		
Trade name	CONDENS 050 24	CONDENS 050 28		
Efficiency stars (dir. 92/42/CEE)	****			
Gas type	H2H3B/P			
Flue type	Forced, variable speed fan			
Nox class (G20-I2H)	3			
Heating energy efficiency class	B			
Thermal efficiency (80/60°C) (G20-I2H)	97%	97%		
Thermal efficiency (50/30°C - condensing) (G20-I2H)	104%	104%		
Max power (80/60°C) (G20-I2H)	23,2 kW	27 kW		
Max power (50/30°C - condensing) (G20-I2H)	25,1 kW	29 kW		
Nominal max. consumption	≈2,55 Nm ³ /h	≈2,97 Nm ³ /h		
Rated pressure gas input (G20-I2H)	20 mbar			
Max. rated pressure gas input	35 mbar			
Rated pressure gas input (LPG)	40 mbar			
Pressure (min/max) on thermal circuit	0,8 ÷ 3 bar			
Temperature on thermal circuit	45 ÷ 75°C			
Temperature adjustment interval underfloor	30 ÷ 75°C			
Temperature on domestic hot water circuit	40 ÷ 55°C			
DHW temperature adjustment interval	35 ÷ 55°C			
Hot water flow at ΔT = 30°C (flow restrictor 12l/min)	11,4 l/min	12 l/min		
DHW comfort - EN13203	***			
DHW energy efficiency class	A, load profile XL			
Construction characteristics	Height (mm)	750	750	
	Width (mm)	400	400	
	Depth (mm)	345	345	
	Weight	31 kg	33 kg	
	Capacity main heat exchanger	1 l		
	Connectors	Thermal input, output	3/4"	
		Cold water input, hot water output	1/2"	
		Gas input	3/4"	
	Expansion vessel with membrane	8 l		
	Air/ gas incoming/ outgoing flue pipe	Coaxial D100/D60, Dual D80*		
Length of burnt gases connecting pipe	Coaxial max 3m; Dual 5m*			
Evacuation type	C ₁₂ , C _{12x} , C ₃₂ , C _{32x}			
Burnt gases (maximum temperature)	≈ 77°C			
Electric characteristics	Input	~230V/50 Hz		
	Nominal power	81 W	83 W	
	Protection class	IP 40		

* The boiler is standard delivered with 1m co-axial flue

MOTAN wall hung gas boilers integrate components of the best quality:

- ◆ Circulation pump GRUNDFOS (Danemark);
- ◆ Gas valve SIT (Italy);
- ◆ Burner WORGAS (Italy);
- ◆ Exhaust fan SIT (Italy)
- ◆ Secondary heat exchanger CONDEVO (Italy)
- ◆ Expansion vessel ZILIO (Italy);
- ◆ Ignition transformer ANSTOSS (Austria)
- ◆ Safety valve KRAMER (Italy);



The Quality Management System implemented within our company assures and is certified according to the ISO 9001:2015 standard by the DNV GL Certification Organisation