

# 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 Nmc/h	≈2,97 Nmc/h		
Rated pressure gas input (G20-I2H)	20 mbar	20 mbar		
Max. rated pressure gas input	35 mbar	35 mbar		
Rated pressure gas input (LPG)	40 mbar	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	C12, C12K, C32, C32K		
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