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DATA SHEET

Model: TGO5

Revision Date: September 2019

Output: 160 – 1100 kW

Revision Number: DS.TG05.10



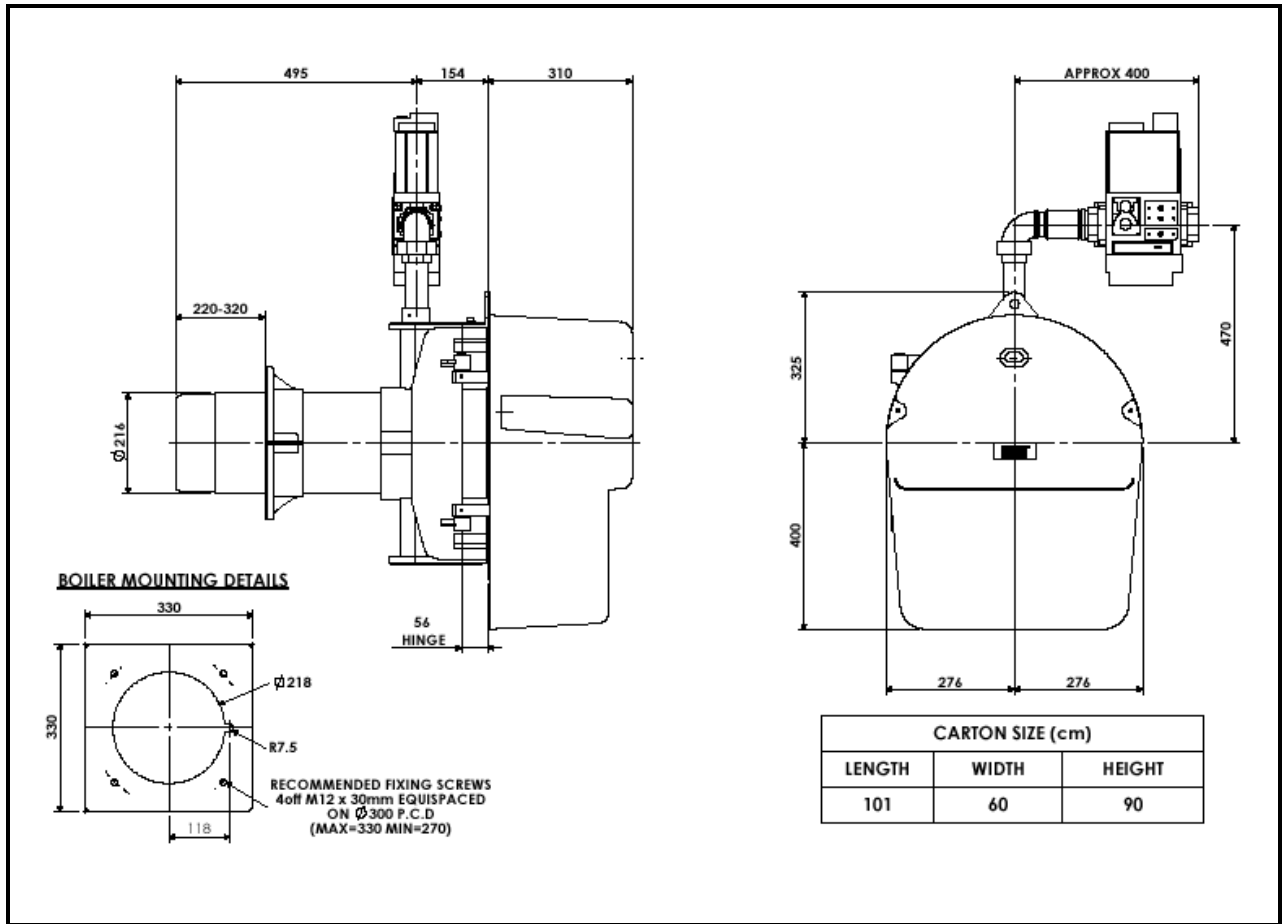
- ◆ All models approved to current British and European Standards.
- ◆ All models have been independently tested to the European Standard BS EN676 'Automatic forced draught burners for gaseous fuels'.
- ◆ CE number for TG05 series burners is CE679210.
- ◆ Ambient operating temperature 50°C max.
- ◆ All burners in the T.O. range are of the fan assisted, nozzle mix type and operation is fully automatic expanding flame start.
- ◆ Air inlet is suitable for connection to a ducted fresh air supply.

◆ Natural Gas	-	Minimum gas pressure of 20mb required at burner inlet.
◆ L.P.G.	}	Technical details available on request from Dunphy sales dept.
◆ Town Gas		
◆ Biogas		



FM 24868

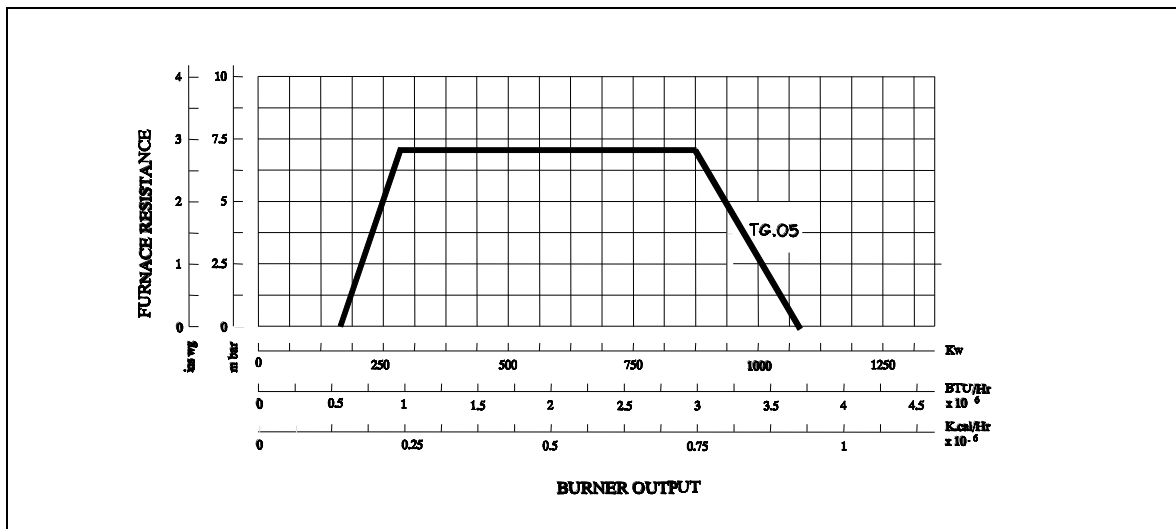
BURNER DIMENSIONS



** The burner gas train may be positioned as shown or rotated to the left or right as required.

- ◆ All dimensions in mm unless otherwise stated.
- ◆ An alternative gas entry point is located at the bottom of the burner casting.
- ◆ Please check the issue number to ensure validity.

BURNER RATING GRAPH



SPECIFICATION DATA

BURNER MODEL	Firing Rate kW		Burner Control	FCAD*	Control Input Type	GAS INLET 'R'	Min/Max Gas Pressure mbar	m³/Hour *(1)	Voltage	Hz	Ph	Motor kW	Running Current (A)	Starting Current (A)	Weight kg *(2)			Order Code
	MIN	MAX													A	B	C	
TGO5.100 HL	160	1100	High / Low	Yes	High / Low Stat	2" BSP	20 / 100	106	400	50	3	1.1	2.7	13.6	60	80	25	965010
TGO5.100 MP	160	1100	Modulating	Yes	3 wire up / down	2" BSP	20 / 100	106	400	50	3	1.1	2.7	13.6	60	80	25	965020
TGO5.100 MP1	160	1100	Modulating, built-in PID controller	Yes	Thermocouple or pressure transducer	2" BSP	20 / 100	106	400	50	3	1.1	2.7	13.6	62	82	25	965030
TGO5.100 MP2	160	1100	Modulating, 0-10V	Yes	0-10V DC	2" BSP	20 / 100	106	400	50	3	1.1	2.7	13.6	62	82	25	965040
TGO5.100 MP-sc	110	1100	Modulating with speed control	Yes	3 wire up / down	2" BSP	20 / 100	106	400	50	3	1.1	2.7	2.7	63	83	25	965050
TGO5.100 MP1-sc	110	1100	Modulating with speed control and built-in PID controller	Yes	Thermocouple or pressure transducer	2" BSP	20 / 100	106	400	50	3	1.1	2.7	2.7	65	85	25	965060

*FCAD – Fully Closing Air Damper

*(1) – Based on Nat. Gas C.U. 10.4kW/m

*(2) – A – Burner Without valve, B- Burner with valve, C – Packaging weight

FEATURES

Common Features

- High efficiency
- Low Noise operation
- Integrated low gas pressure protection switch
- Adjustable flange for different furnace projections
- All gas valves factory prepared ready for immediate and simple connection to burner.



MP1 Variant

- Built-in PID controller
- Direct connection to temperature or pressure transducer for automatic burner modulation
- Digital read-out of temperature or pressure at set points



MP-sc Variant

- Built-in energy saving speed controller
- Very high turndown ratio ~ 10:1
- Ultra low noise operation
- Also available with built-in PID controller, MP1-sc



Dunphy Combustion Ltd. have a policy of continuous development and reserve the right to change specifications without prior notice