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DATA SHEET

Model: Dunphy TGO2

Revision Date: September 2015

Output: 25 – 250 kW

Document Number: DS.TG02.10.KBC

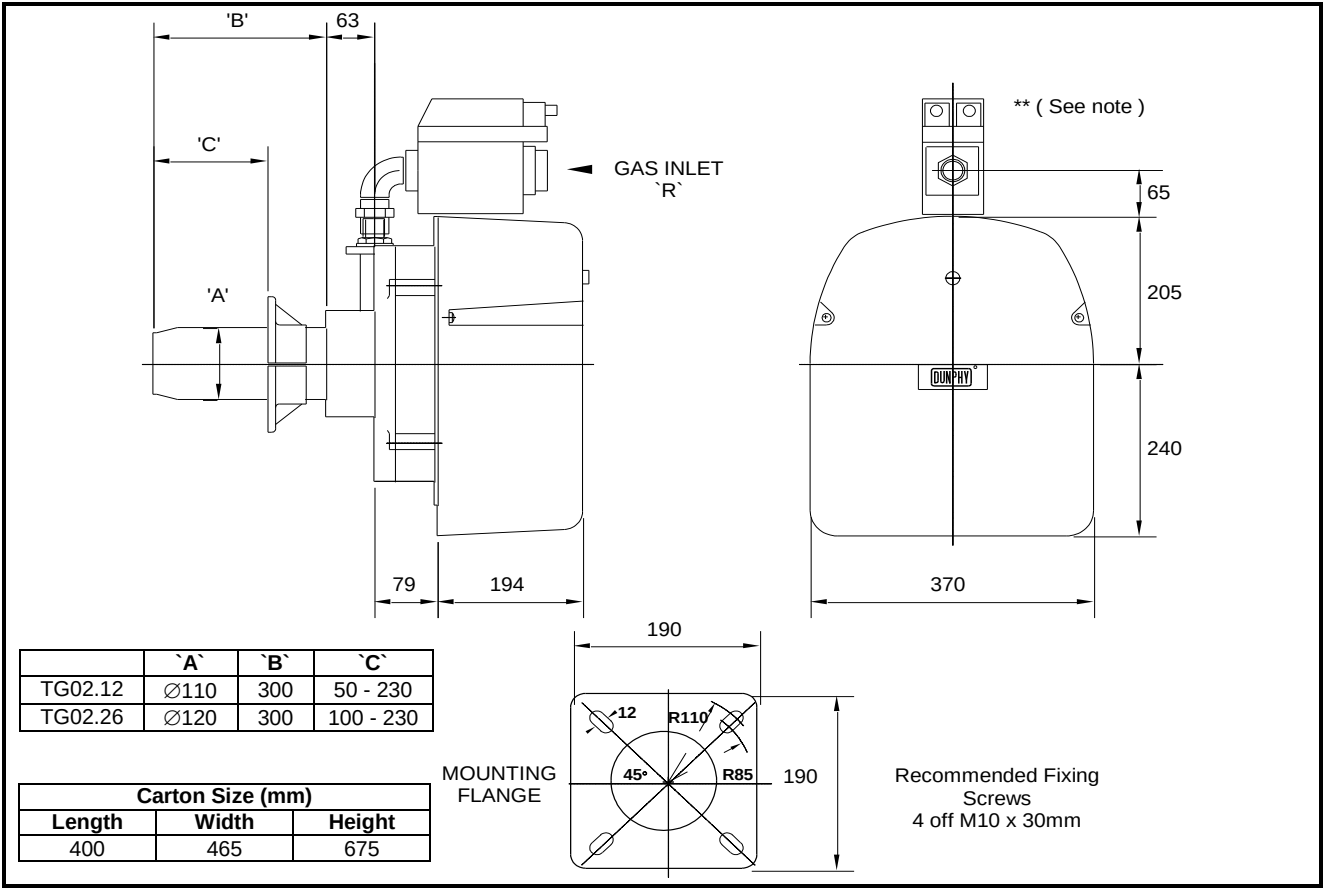


- ♦ All models approved to current British and European Standards.
- ♦ All models have been independently tested to the European Standard BS EN676' Automatic forced draught burners for gaseous fuels'.
- ♦ CE number for TG02 series burners is CE 86/AQ/248.
- ♦ All burners in the T.O. range are of the 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 17.5mb required at burner inlet.
- ♦ **L.P.G.**
- ♦ **Town Gas** } Technical details available on request from Dunphy sales dept.
- ♦ **Biogas**



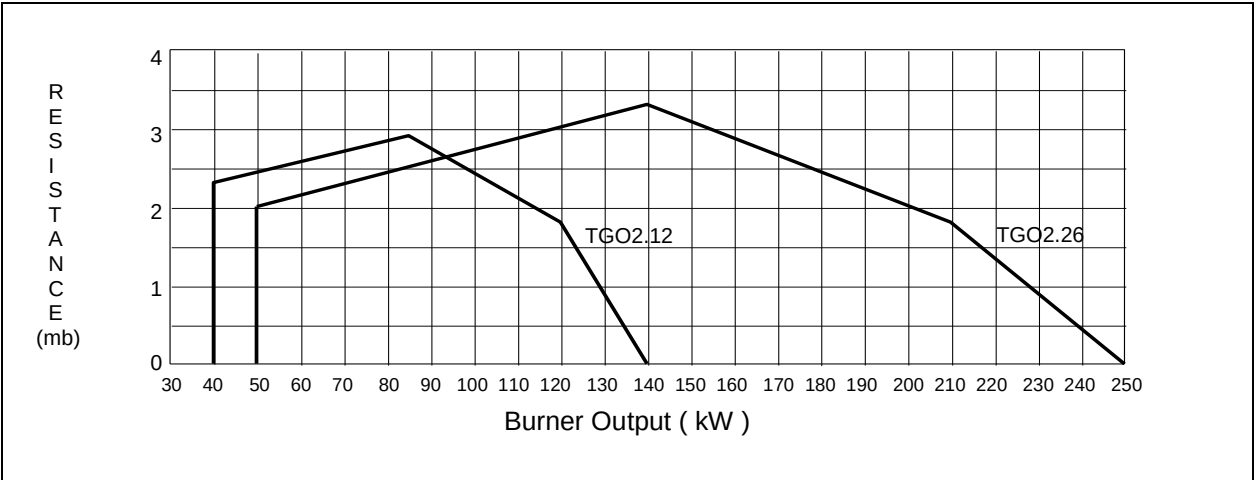
FM 24868

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.
 - ◆ Please check the issue number to ensure validity.

BURNER RATING GRAPH



SPECIFICATION DATA

BURNER TYPE	Firing Rate kW		Burner Control	FCAD *	Control Input Type	GAS INLET 'R'	Min/Max Gas Pressure mbar	m ³ / Hour Max **	Voltage	Hz	Ph	Motor Watts	Running Current	Starting Current	Weight kg	Order Code
	MIN	MAX														
TGO2.12	40	140	On / Off with fixed air damper	No	Stat Circuit	1"BSP	17.5 / 100	13.5	220 - 240	50	1	250	1.1A	4.5Amp	23.2kg	962010
TG02.12 fcad	40	140	On / Off	Yes	Stat Circuit	1"BSP	17.5 / 100	13.5	220 - 240	50	1	250	1.1A	4.5Amp	23.2kg	962020
TGO2.12HL	40	140	High / Low	Yes	High / Low Stat	1"BSP	17.5 / 100	13.5	220 - 240	50	1	250	1.1A	4.5Amp	23.2kg	962030
TG02.12MP	40	140	Modulating	Yes	3 wire up / down	1"BSP	17.5 / 100	13.5	220 - 240	50	1	250	1.1A	4.5Amp	23.2kg	962040
TG02.12MP 1	40	140	Modulating	Yes	Built in PID controller for automatic temp or pressure control	1"BSP	17.5 / 100	13.5	220 - 240	50	1	250	1.1A	4.5Amp	23.2kg	962050
TG02.12MP 2	40	140	Modulating	Yes	0-10V input	1"BSP	17.5 / 100	13.5	220 - 240	50	1	250	1.1A	4.5Amp	23.2kg	962060
TG02.12MP-sc	25	140	Modulating with inverter control on fan	Yes	3 wire up / down	1"BSP	17.5 / 100	13.5	220 - 240	50	1	250	1.2A	1.2Amp	25kg	962070
TG02.12MP1-sc	25	140	Modulating with speed control	Yes	Built-in PID control for automatic temp or pressure control	1" BSP	17.5 / 100	13.5	220 - 240	50	1	250	1.2A	1.2Amp	25kg	962080
TGO2.26	50	250	On / Off with fixed air damper	No	Stat Circuit	1"BSP	17.5 / 100	24	220 - 240	50	1	250	1.1A	4.5Amp	23.2kg	962090
TGO2.26 fcad	50	250	On / Off	Yes	Stat Circuit	1"BSP	17.5 / 100	24	220 - 240	50	1	250	1.1A	4.5Amp	23.2kg	962100
TGO2.26HL	50	250	High / Low	Yes	High / Low Stat	1"BSP	17.5 / 100	24	220 - 240	50	1	250	1.1A	4.5Amp	23.2kg	962110
TG02.26MP	50	250	Modulating	Yes	3 wire up / down	1"BSP	17.5 / 100	24	220 - 240	50	1	250	1.1A	4.5Amp	23.2kg	962120
TG02.26MP 1	50	250	Modulating	Yes	Built in PID controller for automatic temp or pressure control	1"BSP	17.5 / 100	24	220 - 240	50	1	250	1.1A	4.5Amp	23.2kg	962130
TG02.26MP 2	50	250	Modulating	Yes	0-10V input	1"BSP	17.5 / 100	24	220 - 240	50	1	250	1.1A	4.5Amp	23.2kg	962140
TG02.26MP-sc	25	250	Modulating with inverter control on fan	Yes	3 wire up / down	1"BSP	17.5 / 100	24	220 - 240	50	1	250	1.2A	1.2Amp	25kg	962150
TG02.26MP1-sc	25	250	Modulating with speed control	Yes	Built-in PID control for automatic temp or pressure control	1"BSP	17.5 / 100	24	220 - 240	50	1	250	1.2A	1.2Amp	25kg	962160

*FCAD – Fully Closing Air Damper

** – Based on Nat. Gas C.V. 10.4kW/m³

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 control
- Digital read out of temperature or pressure



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