



+44 (0)1706 649217



+44 (0)1706 655512



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DATA SHEET

Model: TGO3

Revision Date: September 2019

Output: 70 – 410 kW

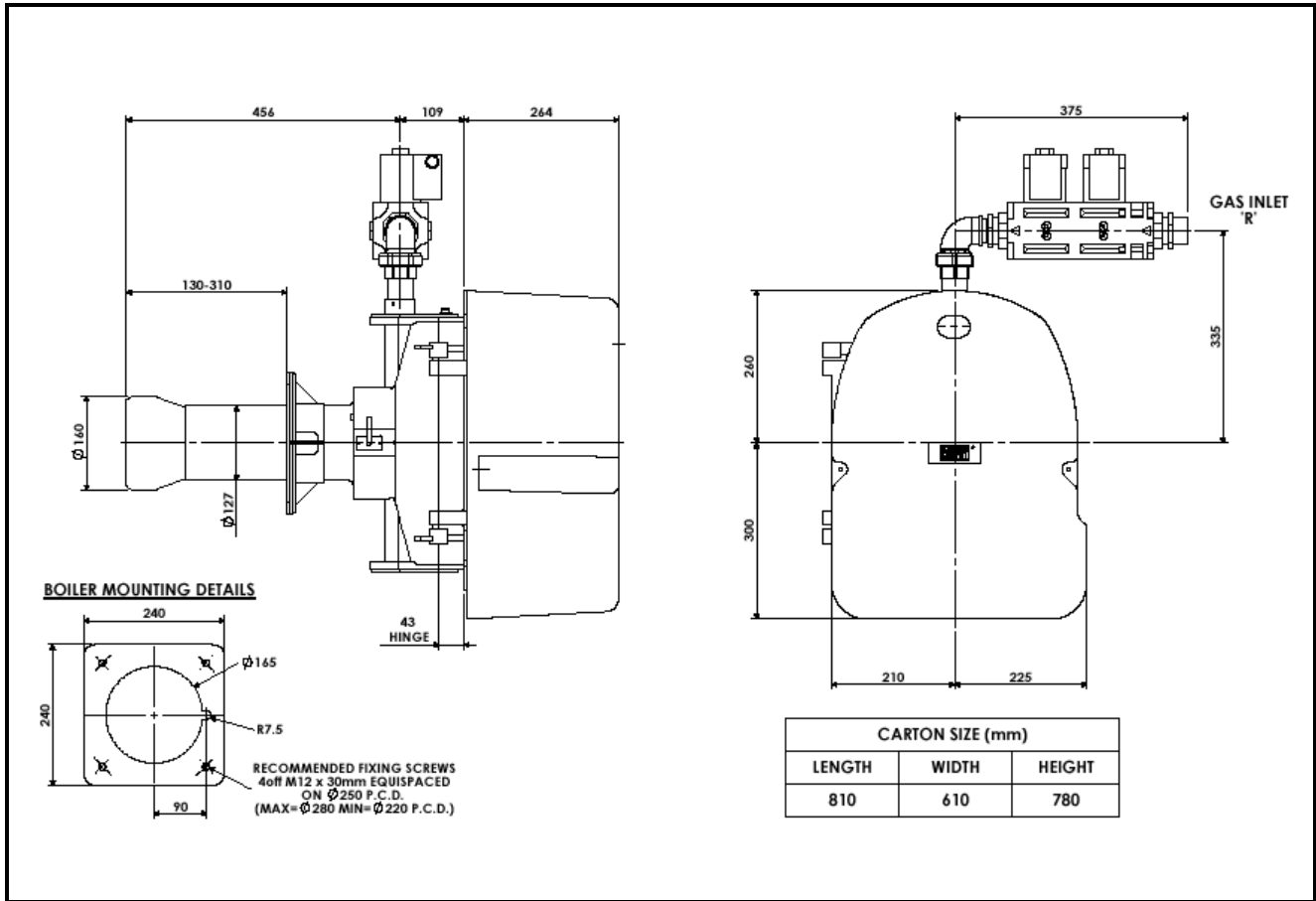
Revision Number: DS.TG03.12



- ◆ 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 TG03 series burners is CE 679310.
 - ◆ 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 | | |



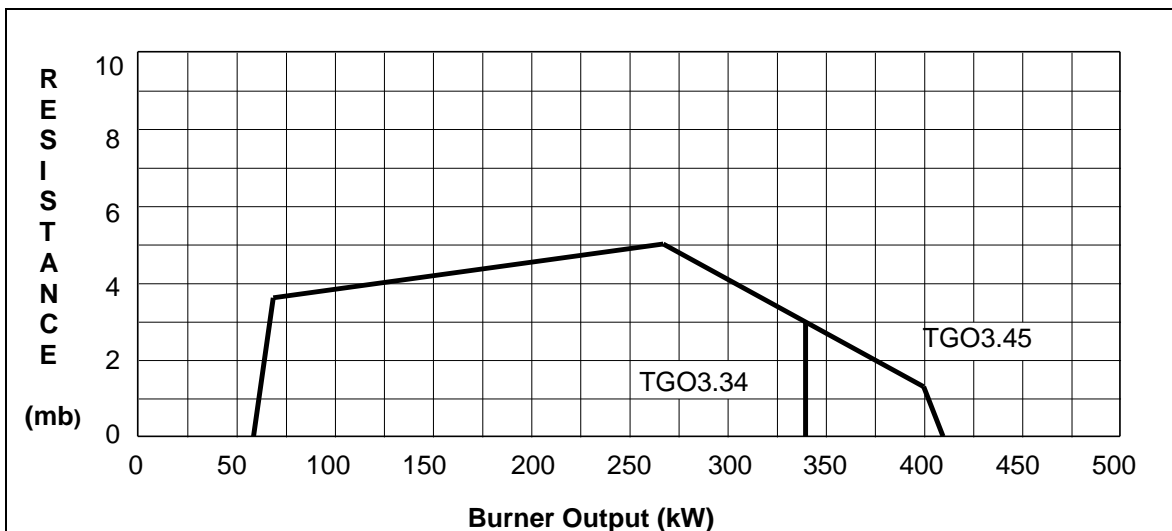
BURNER DIMENSIONS



** 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 MODEL	Firing Rate kW		Burner Control	FCAD *	Control Input Type	GAS INLET "R"	Min/Max Gas Pressure mbar	m ³ /Hour *(1)	Voltage	Hz	Ph *(2)	Motor Watts	Running Current	Starting Current	Weight kg *(3) A / B / C	Order Code
	MIN	MAX														
TGO3.34	70	340	On / Off	Yes	On/Off Stat Circuit	1½" BSP	20 / 100	33	220 - 240	50	1	550	3.5	14	42/50/11	963010
TGO3.34 HL	70	340	High / Low	Yes	High / Low Stat	1½" BSP	20 / 100	33	220 - 240	50	1	550	3.5	14	42/50/11	963020
TGO3.34 MP	70	340	Modulating	Yes	3 wire up / down	1½" BSP	20 / 100	33	220 - 240	50	1	550	3.5	14	42/50/11	963030
TGO3.34 MP1	70	340	Modulating, built-in PID controller	Yes	Thermocouple or pressure transducer	1½" BSP	20 / 100	33	220 - 240	50	1	550	3.5	14	44/52/11	963040
TGO3.34 MP2	70	340	Modulating, 0-10V	Yes	0-10V DC	1½" BSP	20 / 100	33	220 - 240	50	1	550	3.5	14	44/52/11	963050
TGO3.34 MP-sc	35	340	Modulating with speed control	Yes	3 wire up / down	1½" BSP	20 / 100	33	220 - 240	50	1	550	3.5	3.5	45/53/11	963060
TGO3.34 MP1-sc	35	340	Modulating with speed control and built-in PID controller	Yes	Thermocouple or pressure transducer	1½" BSP	20 / 100	33	220 - 240	50	1	550	3.5	3.5	47/55/11	963070
TGO3.45 HL	70	410	High / Low	Yes	High / Low Stat	1½" BSP	20 / 100	43	220 - 240	50	1	550	3.5	14	42/50/11	963080
TGO3.45 MP	70	410	Modulating	Yes	3 wire up / down	1½" BSP	20 / 100	43	220 - 240	50	1	550	3.5	14	42/50/11	963090
TGO3.45 MP1	70	410	Modulating, built-in PID controller	Yes	Thermocouple or pressure transducer	1½" BSP	20 / 100	43	220 - 240	50	1	550	3.5	14	44/52/11	963100
TGO3.45 MP2	70	410	Modulating, 0-10V	Yes	0-10V DC	1½" BSP	20 / 100	43	220 - 240	50	1	550	3.5	14	44/52/11	963110
TGO3.45 MP-sc	45	410	Modulating with speed control	Yes	3 wire up / down	1½" BSP	20 / 100	43	220 - 240	50	1	550	3.5	3.5	45/53/11	963120
TGO3.45 MP1-sc	45	410	Modulating with speed control and built-in PID controller	Yes	Thermocouple or pressure transducer	1½" BSP	20 / 100	43	220 - 240	50	1	550	3.5	3.5	47/55/11	963130

*FCAD – Fully Closing Air Damper

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

*(2) – Also available with 3ph fan motor

*(3) – A – Burner without valve, B – Burner with valve, C – Packaging material 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