

# DUNPHY

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## DATA SHEET

**Model: TGO4**

Revision Date: September 2019

**Output: 110 – 650 kW**

Revision Number: DS.TG04.12

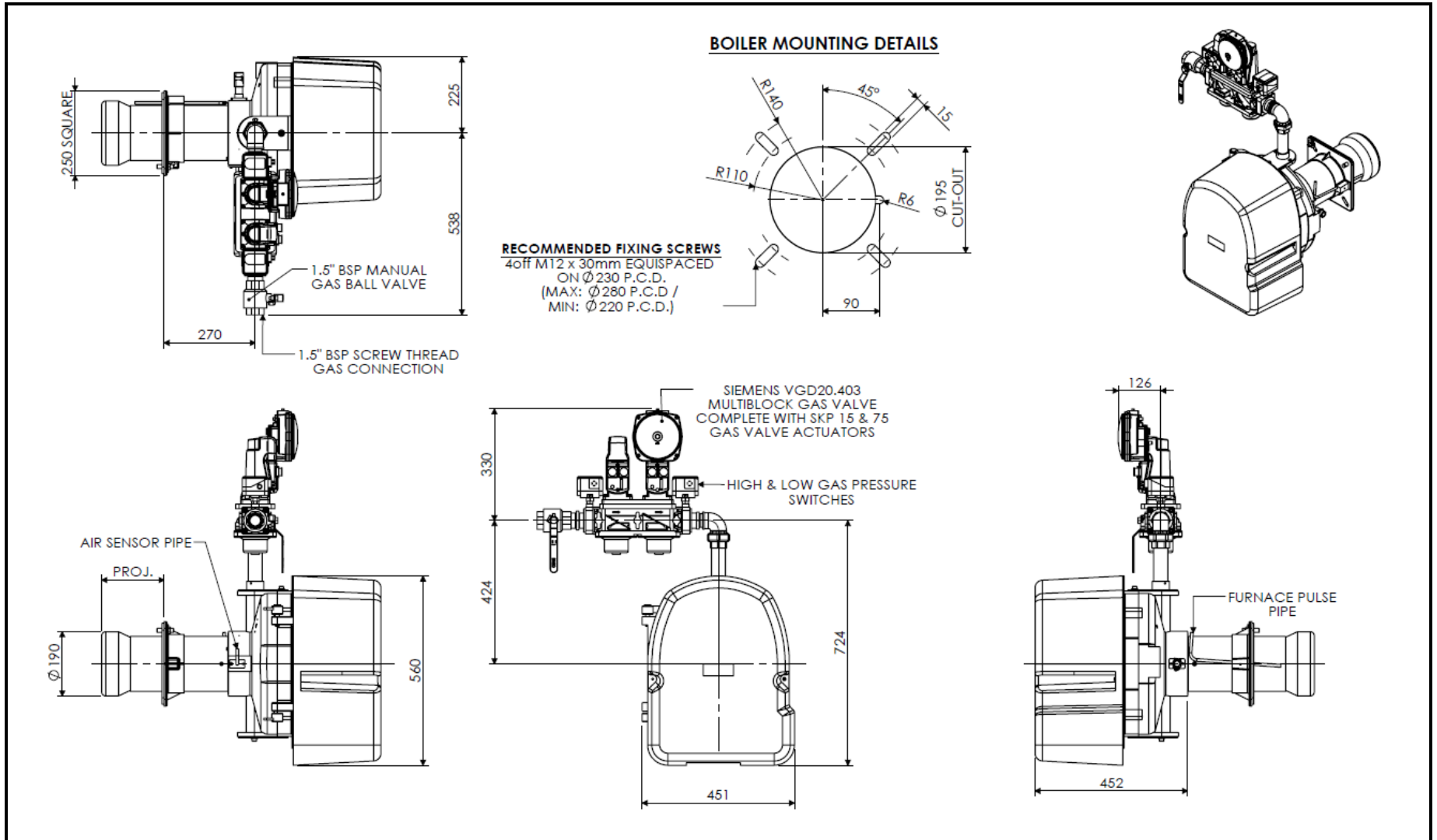


- ◆ All models approved to current British and European Standards.
  - ◆ All models have been independently tested to the European Standard BS EN676' Automatic forced draught burners for gaseous fuels'.
  - ◆ CE number for TG04 series burners is CE679310.
  - ◆ All burners in the T.O. range are of the 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.
- |   |   |   |
|---|---|---|
| <ul style="list-style-type: none"> <li>◆ <b>Natural Gas</b></li> <li>◆ <b>L.P.G.</b></li> <li>◆ <b>Town Gas</b></li> <li>◆ <b>Biogas</b></li> </ul> | } | <p>- Minimum gas pressure of 20mb required at burner inlet.</p> <p>Technical details available on request from Dunphy sales dept.</p> |
|---|---|---|



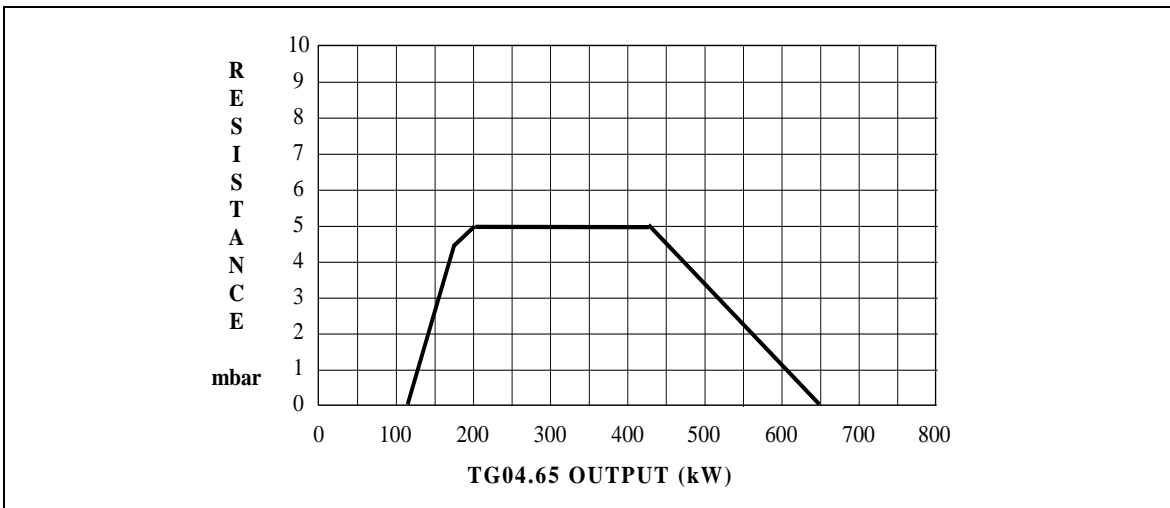
FM 24868

## 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 MODEL	Firing Rate kW		Burner Control	FCAD *	Control Input Type	GAS INLET "R"	Min/Max Gas Pressure mbar	m³/Hour *(1)	Voltage	Hz	Ph *(2)	Motor Watts	Running Current (A)	Starting Current (A)	Weight Kg *(3)			Order Code
	MIN	MAX													A	B	C	
TGO4.65 HL	110	650	High / Low	Yes	High / Low Stat	2" BSP	20 / 100	62.5	220 - 240	50	1	550	3.5	14	44	62	11	964010
TGO4.65 MP	110	650	Modulating	Yes	3 wire up / down	2" BSP	20 / 100	62.5	220 - 240	50	1	550	3.5	14	44	62	11	964020
TGO4.65 MP1	110	650	Modulating, built-in PID controller	Yes	Thermocouple or pressure transducer	2" BSP	20 / 100	62.5	220 - 240	50	1	550	3.5	14	46	64	11	964030
TGO4.65 MP2	110	650	Modulating, 0-10V	Yes	0-10V DC	2" BSP	20 / 100	62.5	220 - 240	50	1	550	3.5	14	46	64	11	964040
TGO4.65 MP-sc	65	650	Modulating with speed control	Yes	3 wire up / down	2" BSP	20 / 100	62.5	220 - 240	50	1	550	3.5	3.5	47	65	11	964050
TGO4.65 MP1-sc	65	650	Modulating with speed control and built-in PID controller	Yes	Thermocouple or pressure transducer	2" BSP	20 / 100	62.5	220 - 240	50	1	550	3.5	3.5	49	67	11	964060

\*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 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