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DATA SHEET

Model: TG04-LMV

Revision Date: October 2015

Output: 65 – 650 kW

Revision Number: DS.TG04-LMV.01

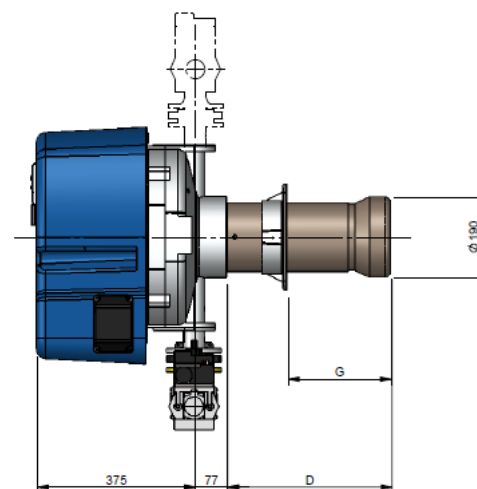
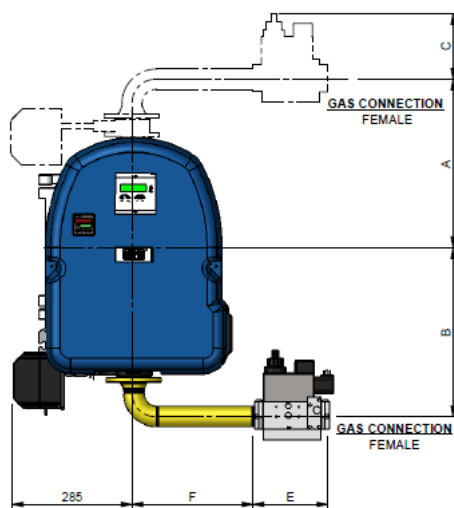


- ◆ All models approved to current British and European Standards.
 - ◆ All models have been independently tested to the European Standard BS EN676 'Automatic forced draught burners for gaseous fuels'.
 - ◆ CE number for TG04 series burners is CE-0085BM0401.
 - ◆ All burners in the T.O. range are of 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 | | |

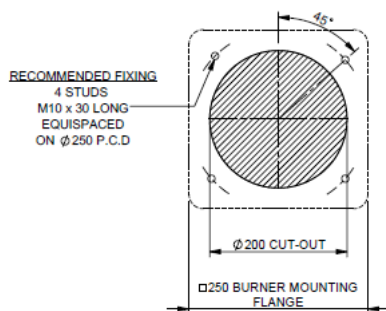


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BURNER DIMENSIONS



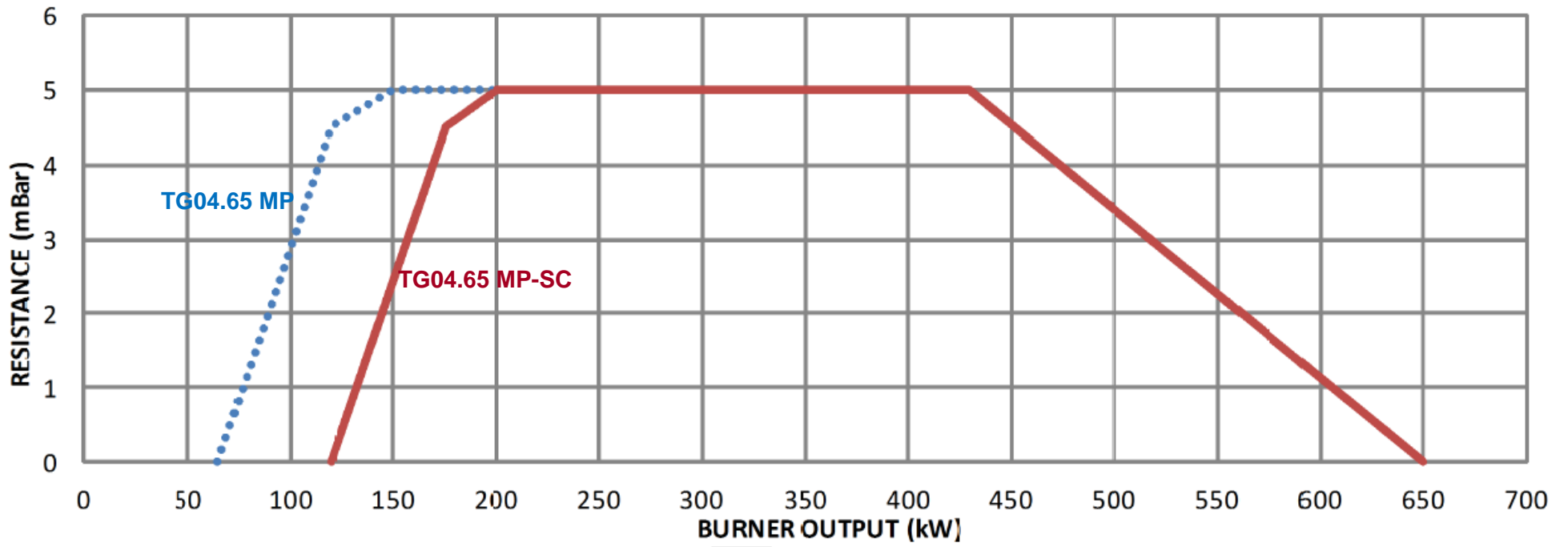
BOILER MOUNTING DETAIL



Burner Model	Gas Entry Position	Dim A	Dim B	Dim D	Dim G
TG04.65 MP (LMV 27)	Top	400.5	260	375-390	170-300
	Bottom	260	400.5		
TG04.65 MP-SC (LMV 37)	Top	400.5	260	375-390	170-300
	Bottom	260	400.5		

Burner Model	Gas Pressure	Gas Valve	Connection Size	Dim C	Dim E	Dim F
TG04.65 MP (LMV 27)	≤ 20 mBar	Dungs MB-DLE 420	1.5" B.S.P.	220	283	342
	> 40 mBar	Dungs MB-DLE 412	1.25" B.S.P.	160	185	284
TG04.65 MP-SC (LMV 37)	≤ 20 mBar	Dungs MB-DLE 420	1.5" B.S.P.	220	283	342
	> 40 mBar	Dungs MB-DLE 412	1.25" B.S.P.	160	185	284

- ◆ All dimensions in mm unless otherwise stated.
- ◆ Please check the issue number to ensure validity.
- ◆ The burner gas train may be either top or bottom entry.
- ◆ The burner gas train may be positioned as shown or rotated to the left or right as require

BURNER RATING GRAPH

SPECIFICATION DATA

BURNER MODEL	Firing Rate kW		Burner Controller	Gas Valve				Max Gas Pressure mbar	m ³ /Hour ^{*(1)}	Voltage	Hz	Ph ^{*(2)}	Motor Watts	Running Current	Starting Current	Weight kg ^{*(3)}
	Min	Max		Inlet Pressure ≤ 20 mBar	Gas Connection Size	Inlet Pressure > 40 mBar	Gas Connection Size									
TG04.65 MP	110	650	LMV 27	MB-DLE 420	1.5" BSP	MB-DLE 412	1.25" BSP	100	62.5	220 - 240	50	1	550	3.5	14	44/62/11
TG04.65 MP-SC	65	650	LMV 37	MB-DLE 420	1.5" BSP	MB-DLE 412	1.25" BSP	100	62.5	220 - 240	50	1	550	3.5	3.5	47/47/11

^{*(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

Notes

1. All burners are quoted with burner control box
2. All burners are quoted with gas valves
3. All burners supplied with mounting flange gasket and fixing bolts
4. All burner types are supplied without temperature controller and boiler temperature sensor
5. All burner fitted with VSDs are also fitted with encoder feedback

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.
- Electronic modulating gas valve.
- Fully closing air damper.



Temperature/Pressure Controller

- Optional built-in controller
- Direct connection to temperature or pressure transducer for automatic burner modulation
- Digital read-out of actual temperature or pressure and set point valves



LMV 37 (MP-SC Variant)

- Built-in energy saving speed controller
- Very high turndown ratio ~ 10:1
- Ultralow noise operation
- Speed encoder



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