

## HMA2A BURNER HEADS DATA

Lanemark Midco HMA2A series gas fired air heating duct burners are designed to provide a high efficiency, high turndown, low emission solution for air replacement or "make-up" air heating applications.

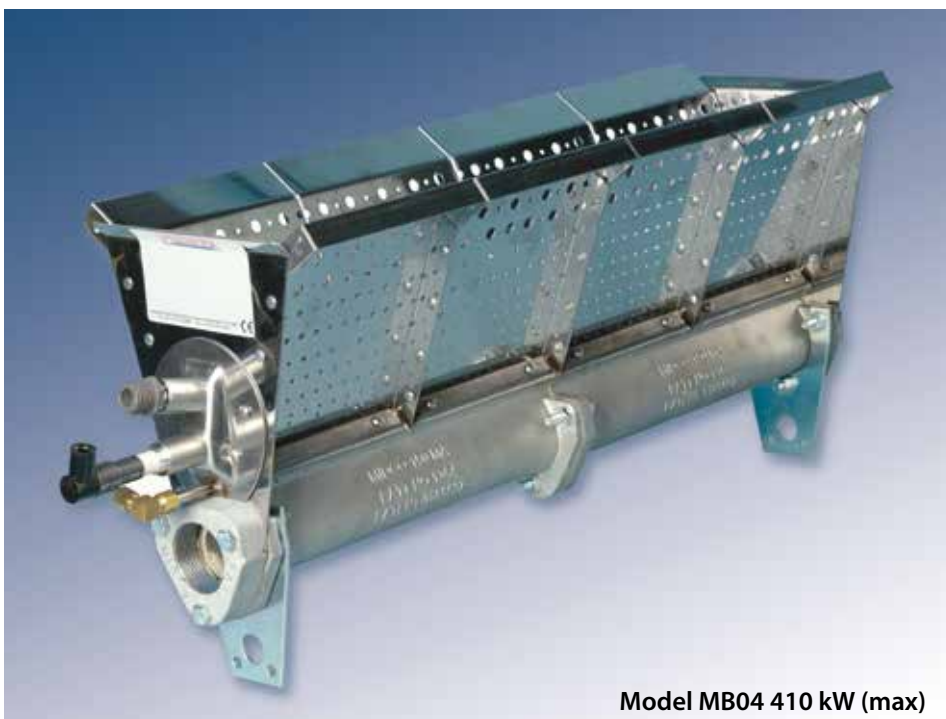
Lanemark Midco series burners operate directly within the heated airflow and can be located either upstream or downstream of the main air supply fans.

### KEY FEATURES

- High heat output per unit length
- Low emissions – suitable for manned / unmanned operations
- Wide acceptable process air velocity range
- High turndown (up to 30:1)
- Short flame length
- Common burner head for natural gas and propane gas

### TYPICAL APPLICATIONS

- Paint spray booth air heating – spray and bake cycles
- Paint drying and curing ovens
- HVAC air replacement schemes for factories, warehouses, distribution centres ...
- Crop dryers
- Print media dryers



Model MB04 410 kW (max)

MODEL	MAXIMUM HEAT INPUT	BURNER LENGTH	TYPICAL GAS CONNECTION SIZE
MB01	73 - 103 kW	152 mm	1½" BSP (side entry)
MB02	146 - 205 kW	305 mm	1½" BSP (side entry)
MB03	220 - 308 kW	456 mm	1½" BSP (side entry)
MB04	293 - 410 kW	610 mm	1½" BSP (side entry)
MB05	366 - 513 kW	762 mm	1½" BSP (side entry)
MB06	440 - 615 kW	915 mm	1½" BSP (side entry)
MB07	513 - 718 kW	1067 mm	1½" BSP (side entry)
MB08	586 - 820 kW	1220 mm	1½" BSP (side entry)
MB09	659 - 923 kW	1372 mm	2" BSP (rear entry)
MB10	730 - 1025 kW	1525 mm	2" BSP (rear entry)

For higher inputs, 146 - 205 kW gas input is available for each 305 mm of added burner length.

### PRODUCT DESCRIPTION

Lanemark Midco HMA2A series air heating duct burner systems can be configured either as straight sections or in various shapes such as H or I designs by the use of compact elbows and tees\* to fit within required duct dimensions.

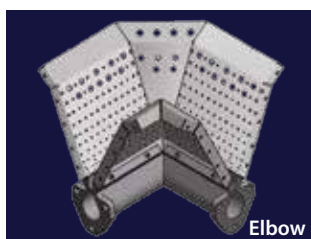
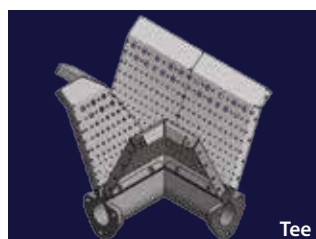
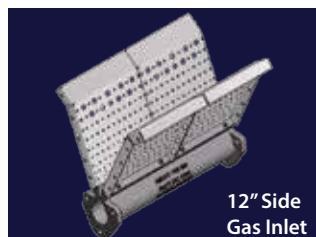
Gas manifolds are available in both cast iron and aluminium which significantly reduces the weight of larger burner assemblies.

Pilot or direct spark ignition.

Flame rod or UV scanner connections.



## BURNER HEAD SECTION CONFIGURATIONS



## SPECIFICATIONS

Heat input	max 205 kW per 305 mm section
Air velocity	7.5 – 18 m / s
Required air pressure	0.5 – 3.0 mbar (50 – 300 Pa)
Turndown	30:1 max
Typical flame length	Natural gas : 280 – 405 mm Propane gas : 205 – 330 mm
Efficiency	100% (LHV) or 92% (HHV)
Burner head gas pressure	Natural gas : 8.8 – 19.5 mbar Propane gas : 3.3 – 7.5 mbar
Burner head orientation	Parallel to process airflow – horizontal or vertical
Burner head configurations	Straight 6" (150 mm) or 12" (305 mm) sections with side or rear gas inlets H or I arrangements incorporating elbows and tees also available (see above)
Burner head construction	Stainless steel baffles fitted to cast iron or lightweight aluminium gas manifolds



**LANEMARK**  
BurnerCare

All Lanemark Midco burners benefit from Lanemark's BurnerCare customer support. BurnerCare services can include burner system installation, commissioning / start-up, system training, regular servicing and the supply of spare parts. BurnerCare can provide a service agreement plan incorporating a rapid response facility individually designed to ensure the continued, reliable operation of Lanemark equipment worldwide.



All illustrations are for guidance only. For reasons of continuous development, Lanemark Combustion Engineering Limited reserves the right to alter specifications without prior notice.



Registered Address: Lanemark House, Whitacre Road, Nuneaton, Warwickshire, UK, CV11 6BW  
T: +44 (0) 24 7635 2000 F: +44 (0) 24 7634 1166 E: [info@lanemark.com](mailto:info@lanemark.com) W: [www.lanemark.com](http://www.lanemark.com)

Company Registration No. 1561589. VAT No. GB 307 5790 48.

Place of Registration: England and Wales. Directors: P.R. Collier, J.S. Foster, A.E. Thompson.