

CROSSFIRE® Line Burner

ASSEMBLY NUMBERS

Standard Burner Assemblies

Configured Item Number	Description
.5 EI XF STR	6" straight CROSSFIRE, end inlet
1 EI XF STR	1' straight CROSSFIRE, end inlet
1.5 EI XF STR	1.5' straight CROSSFIRE, end inlet
2 BI XF STR	2' straight CROSSFIRE, back inlet
3 BI XF STR	3' straight CROSSFIRE, back inlet
4 BI XF STR	4' straight CROSSFIRE, back inlet
5 BI XF STR	5' straight CROSSFIRE, back inlet
6 BI XF STR	6' straight CROSSFIRE, back inlet
7 BI XF STR	7' straight CROSSFIRE, back inlet
8 BI XF STR	8' straight CROSSFIRE, back inlet
9 BI XF STR	9' straight CROSSFIRE, back inlet
2 BI XF GRD	2' grid CROSSFIRE, back inlet
3 BI XF GRD	3' grid CROSSFIRE, back inlet
4 BI XF GRD	4' grid CROSSFIRE, back inlet
5 BI XF GRD	5' grid CROSSFIRE, back inlet
6 BI XF GRD	6' grid CROSSFIRE, back inlet
7 BI XF GRD	7' grid CROSSFIRE, back inlet
8 BI XF GRD	8' grid CROSSFIRE, back inlet
9 BI XF GRD	9' grid CROSSFIRE, back inlet
4 BI XF LDR	4' ladder CROSSFIRE, back inlet
5 BI XF LDR	5' ladder CROSSFIRE, back inlet
6 BI XF LDR	6' ladder CROSSFIRE, back inlet
7 BI XF LDR	7' ladder CROSSFIRE, back inlet
8 BI XF LDR	8' ladder CROSSFIRE, back inlet
9 BI XF LDR	9' ladder CROSSFIRE, back inlet

Segment choices are as follows for the configured item numbers:

- Fuel
- Gas Connection
- Body Material
- Housing Material
- Air Connector
- Air Connector Material
- Cross Member Span (Grids only)
- Cross Member (Ladders only)
- End Plate
- End Mounting Bracket
- Maximum Firing Rate
- To be used with SMARTFIRE
- Customer Number
- Burner Capacity
- Lifting Lugs

Descriptions of segment choices and available options are listed on pages 5600-A/P-2 through 5600-A/P-4.

Please furnish a sketch when ordering any CROSSFIRE assembly. This includes straight, grid, and ladder assemblies. Indicate the position of the pilot end plate on all assemblies. In addition, indicate the position of the end gas inlet if ordering the 6", 1', or 1.5' straight CROSSFIRE assembly. Sample configurations appear on pages 5600-A/P-5, 5600-A/P-6 and 5600-A/P-7.



Segment Choice Details

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
FUEL	Type of fuel	BUT	Butane Gas
		NAT	Natural Gas
		PROP	Propane Gas
GAS CONNECTION	Type of gas inlet connection	ANSI_THRD	ANSI Threaded
		ISO_THRD	ISO Threaded
BODY MATERIAL	Type of body material used	CTD	Coated
		STD	Standard
HOUSING MATERIAL	Type of housing material used	SS	Stainless Steel
		STD	Standard
AIR CONNECTOR Square air inlet not available for .5', 1', and 1.5' sections.	Type, if any, of air connector	NONE	No Connector (Customer Supplied)
		SQ	6.524" x 7.503" Square
		RD	8" Round
AIR CONNECTOR MATERIAL	Type of material of air connector, if any	NONE	No Material
		SS	Stainless Steel
		STD	Standard
CROSS MEMBER SPAN (GRID ONLY)	Spacing, in feet, between cross member centerlines	1	12" Span
		1.5	18" Span
		2	24" Span - 1 Air
		2.5	30" Span - 1 Air
		3	36" Span - 1 Air & Gas
		4	48" Span - 1 Air & Gas
CROSS MEMBER (Quantity & Spacing) (LADDER ONLY)	Quantity and centerline spacing, in feet, of cross members	112	Qty 1 - 12" Spacing
		212	Qty 2 - 12" Spacing
		312	Qty 3 - 12" Spacing
		412	Qty 4 - 12" Spacing
		118	Qty 1 - 18" Spacing
		218	Qty 2 - 18" Spacing
		318	Qty 3 - 18" Spacing
		418	Qty 4 - 18" Spacing
		124	Qty 1 - 24" Spacing
		224	Qty 2 - 24" Spacing
		324	Qty 3 - 24" Spacing
		424	Qty 4 - 24" Spacing
		130	Qty 1 - 30" Spacing
		230	Qty 2 - 30" Spacing
		330	Qty 3 - 30" Spacing
		430	Qty 4 - 30" Spacing

Segment Choice Details (continued)

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
END PLATE (POS 1)*	Type of end plate used in position 1	PLN	Plain End Plate
		PILT	Standard Piloted End Plate
END PLATE (POS 2)*	Type of end plate used in position 2	PLN	Plain End Plate
		PILT	Standard Piloted End Plate
END PLATE (POS 3)*	Type of end plate used in position 3	PLN	Plain End Plate
		PILT	Standard Piloted End Plate
END PLATE (POS 4)*	Type of end plate used in position 4	PLN	Plain End Plate
		PILT	Standard Piloted End Plate
END MOUNTING BRACKET	Number of end mounting brackets required	(QUANTITY)	(Optional)
MAXIMUM FIRING RATE	Maximum rate per foot at which burner operates	1	1 MMBtuh/ft
		1.25	1.25 MMBtuh/ft
		1.5	1.5 MMBtuh/ft
		1.75	1.75 MMBtuh/ft
		2	2MMBtuh/ft
		2.25	2.25 MMBtuh/ft
TO BE USED WITH SMARTFIRE	Is CROSSFIRE to be used with optional Maxon SMARTFIRE?	NO	SMARTFIRE Not Used
		YES	SMARTFIRE Used
CUSTOMER NUMBER	Attach customer number to burner?	(to be filled in)	(Optional)
BURNER CAPACITY (MMBTUH)	Capacity of burner (based on firing rate and burner length) No user input required for this field	(calculated)	---
LIFTING LUGS	Quantity and location to be specified on order	(QUANTITY)	(Optional)

**Denotes secondary segment choices involved (see next page)*

Secondary Segment Choice Details for Standard Piloted End Plates

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)	Segment Choice Description
MATERIAL	Type of end plate material	SS	Stainless Steel
		STD	Gray Iron
CONNECTION	Type of connection for end plate	ANSI_THRD	ANSI Threaded
		ISO_THRD	ISO Threaded
GAS MIXER	Optional gas mixer	NO	Choice Not Selected
		YES	Choice Selected
PILOT ADJUSTABLE ORIFICE	Optional adjustable orifice for pilot	NO Choice Not Selected	
		YES	Choice Selected
IGNITOR	Type of ignitor required	FTISS	Feed Thru Ignitor w/SS Tube (available in 12", 18", 24", 30", 36", 42", 48")
		NONE	Ignitor Customer Provided
		STD	Std Ignitor w/o Feed Thru Plate
		STDP	Std Ignitor w/Feed Thru Plate
FLAME DETECTION	Type of flame detection required	NONE	No Detector Provided
		UV	Set Up For UV (Customer Provided)
SEAL PLATE KIT (ship loose)	Optional seal plate kit	NO	Choice Not Selected
		YES	Choice Selected
HOUSING MATERIAL	Choice of housing material	SS	Stainless Steel
		STD	Carbon Steel

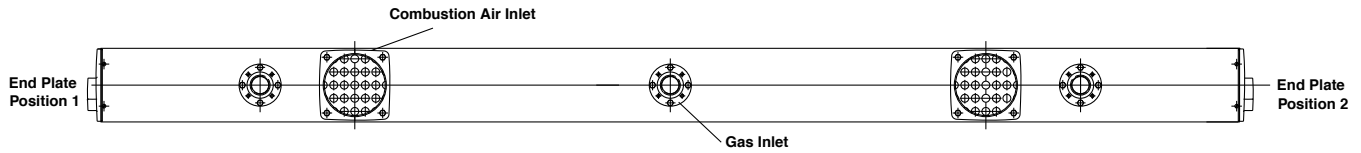
Secondary Segment Choice Details for Plain End Plates

Segment Name	Segment Description	Segment Choices (DEFAULT is shaded)^	Segment Choice Description
MATERIAL	End plate material	SS	Stainless Steel
		STD	Carbon Steel
TYPE	Type of end plate (no user choices available)	PLN	Plain
HOUSING MATERIAL	Choice of housing material	SS	Stainless Steel
		STD	Carbon Steel

Miscellaneous Items & Accessories

Gas mixer sub-assembly		19298
Pilot adjustable orifice	Air	15726
14mm x .6075" spark ignitor		50127283-001
Feed Thru Ignitor w/ Stainless Steel Tube	12" long	1046635
	18" long	1046636
	24" long	1046637
	30" long	1046638
	36" long	1046639
	42" long	1046642
	48" long	1046643
Ignition Adapter		1047215
Right Hand Inner Corner Deflector Plate		1079547
Left Hand Inner Corner Deflector Plate		1078459
12" Deflector Plate		1077941
Discharge Plate		MX46183
Corner Discharge Plate		57479
Shim		1090144

CROSSFIRE® - Straight Assembly



Standard Burner Assemblies

Configured Item Number	Description
.5 EI EX STR	6" straight CROSSFIRE, end inlet
1 EI XF STR	1' straight CROSSFIRE, end inlet
1.5 EI XF STR	1.5' straight CROSSFIRE, end inlet
2 BI XF STR	2' straight CROSSFIRE, back inlet
3 BI XF STR	3' straight CROSSFIRE, back inlet
4 BI XF STR	4' straight CROSSFIRE, back inlet
5 BI XF STR	5' straight CROSSFIRE, back inlet
6 BI XF STR	6' straight CROSSFIRE, back inlet
7 BI XF STR	7' straight CROSSFIRE, back inlet
8 BI XF STR	8' straight CROSSFIRE, back inlet
9 BI XF STR	9' straight CROSSFIRE, back inlet

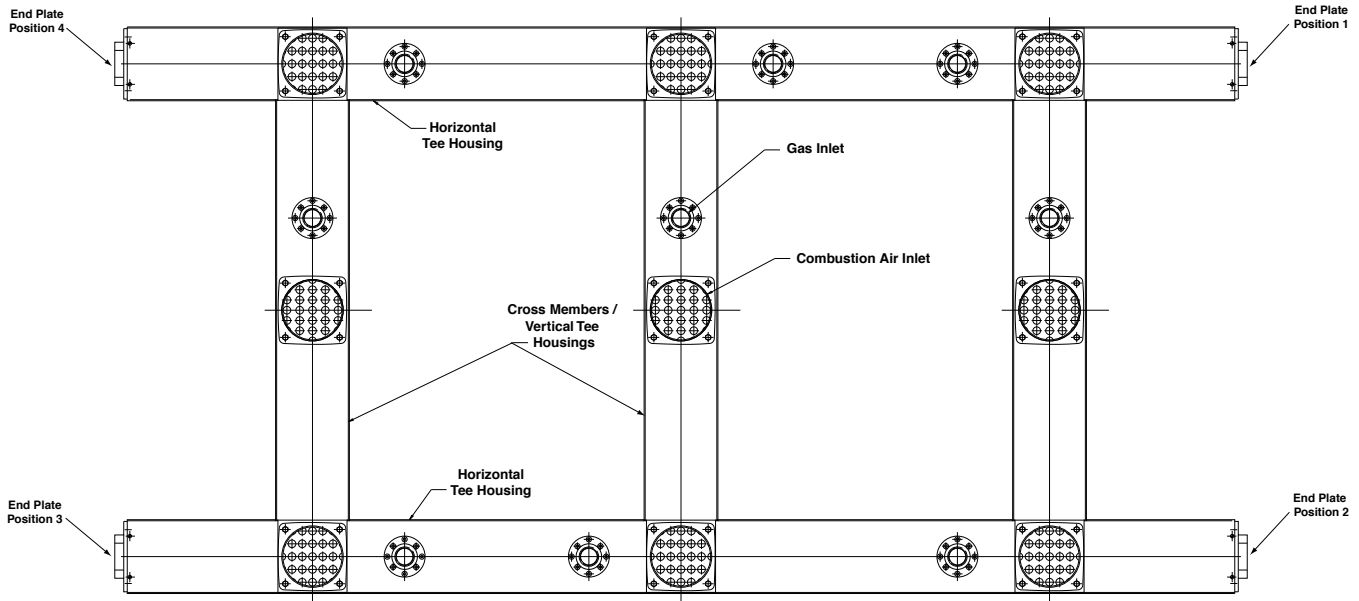
Segment choices are as follows for the configured item numbers:

- Fuel
- Gas Connection
- Body Material
- Housing Material
- Air Connector
- Air Connector Material
- End Plates
- End Mounting Bracket
- Maximum Firing Rate
- To be used with SMARTFIRE
- Customer Number
- Burner Capacity
- Lifting Lugs

Please furnish a sketch when ordering straight assemblies.

CROSSFIRE® – Grid Assembly

3 ft. span between cross members, 1 air & gas



CROSSFIRE® Grid Assemblies

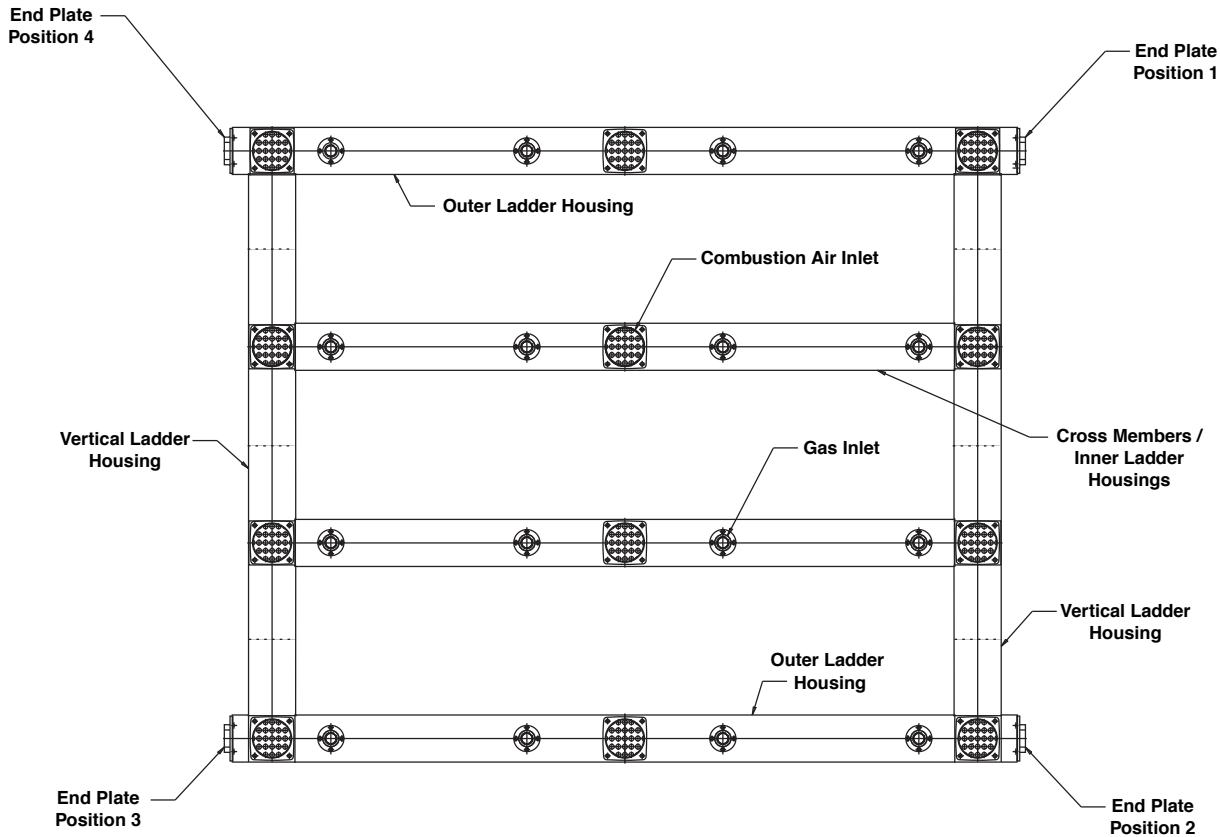
Configured Item Number	Description
2 B1XFGRD	2' grid CROSSFIRE, back inlet
3 B1XFGRD	3' grid CROSSFIRE, back inlet
4 B1XFGRD	4' grid CROSSFIRE, back inlet
5 B1XFGRD	5' grid CROSSFIRE, back inlet
6 B1XFGRD	6' grid CROSSFIRE, back inlet
7 B1XFGRD	7' grid CROSSFIRE, back inlet
8 B1XFGRD	8' grid CROSSFIRE, back inlet
9 B1XFGRD	9' grid CROSSFIRE, back inlet

Segment choices are as follows for the configured item numbers:

- Fuel
- Gas Connection
- Body Material
- Housing Material
- Air Connector
- Air Connector Material
- Cross Member Span
- End Plates
- End Mounting Bracket
- Maximum Firing Rate
- To be used with SMARTFIRE
- Customer Number
- Burner Capacity
- Lifting Lugs

Please furnish a sketch when ordering grid assemblies.

**9 ft. CROSSFIRE® Ladder Back Inlet
with (2) cross members at 30" spacing**



Segment choices are as follows for ladder assemblies:

- Fuel
- Gas Connection
- Body Material
- Housing Material
- Air Connector
- Air Connector Material
- Cross Member
- End Plates
- End Mounting Bracket
- Maximum Firing Rate
- To be used with SMARTFIRE
- Customer Number
- Burner Capacity
- Lifting Lugs

CROSSFIRE® Ladder Assemblies

Configured Item Number	Description
4 BIXFLDR	4' ladder CROSSFIRE, back inlet
5 BIXFLDR	5' ladder CROSSFIRE, back inlet
6 BIXFLDR	6' ladder CROSSFIRE, back inlet
7 BIXFLDR	7' ladder CROSSFIRE, back inlet
8 BIXFLDR	8' ladder CROSSFIRE, back inlet
9 BIXFLDR	9' ladder CROSSFIRE, back inlet

NOTE: Larger burners may need to be ordered and/or shipped in segments (for ladder assemblies only). Contact Maxon for details.

Please furnish a sketch when ordering ladder assemblies.

For More Information

The Honeywell Thermal Solutions family of products includes Honeywell Combustion Safety, Eclipse, Exothermics, Hauck, Kromschröder and Maxon. To learn more about our products, visit ThermalSolutions.honeywell.com or contact your Honeywell Sales Engineer.

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32M-73008 Rev. 11-20
Printed in U.S.A.

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