



Choosing a Universal Convecteur Fire

The table below will help you choose the most suitable size of fire.

1. Decide the largest fire that your fireplace opening (which may be enlargeable) and your chimney will allow.
2. Decide the smallest fire capable of heating the room on its own, with your choice of fuel (see table above).
3. Within this range, decide which size best complements the aesthetic proportions of the room.
4. If burning wood, and particularly if you may want to burn wood overnight, we recommend a fire capable of burning sizeable logs.

Making sure you have the correct air supply

Current Building Regulations require that a room has an air supply. You may require additional permanent ventilation to comply with the building regulations and to help remove smoke and flue gas to make the fire burn more effectively.

A new source of air supply will be needed where a room has been double glazed or well sealed in some other way.

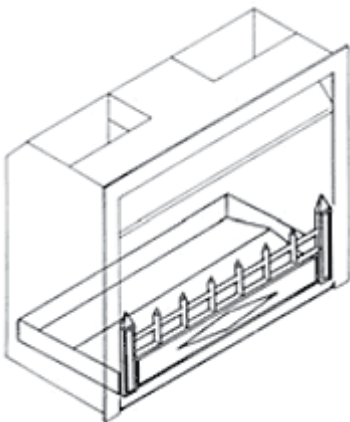
The size of chimney you will need for your fire to work properly

Jetmaster fires are designed to ensure that smoke and flue gases are cleared properly and effectively. It is therefore vital that you choose the right size fire for your chimney. The specifications chart shows the recommended and minimum flue sizes as well as the chimney height required. If you have an existing chimney you will need to measure:

The internal size of the flue at its narrowest point – either the diameter if it is circular or the length of its sides if it is square.

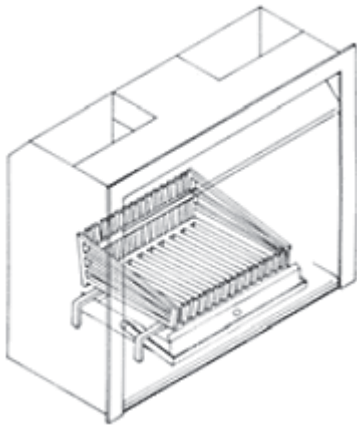
The height from the top of the fire opening to the top of the flue.

If you are building a new chimney, ensure that it is designed to meet our recommended flue dimensions as well as current Building Regulations.



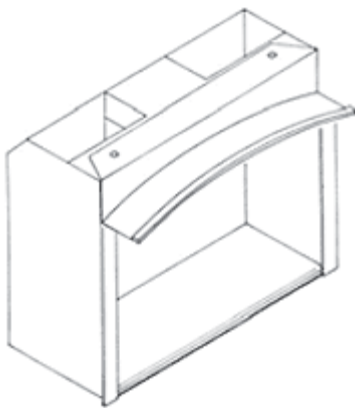
Wood Tray and log retainer

This is for burning wood only. It consists of a tray and a log retainer. The tray is designed to hold a good bed of ash, and the grid to prevent logs rolling forward. The retainer is detachable from the tray to make it easier to remove the ash. Log retainers are supplied in cast iron or steel for sizes up to E700 and in steel only for the larger fires.



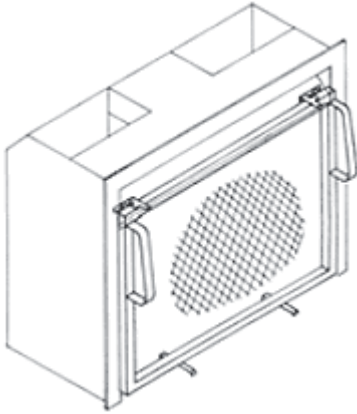
Basket grates

These grates are designed to burn coal, smokeless fuels or coal and wood mixed together. The basket is made up of 12mm steel bars with a drop in cast iron bottom grid and each grate is supplied with an ashpan, with carrying handle, made of sheet steel. Replacement bottom grids and a gas conversion are available.



Arched Lintel

This is a curved lintel made of steel, which bolts on to the fire unit and converts the basic square shape of the fire into an arch. It is fitted during the construction of a new fireplace, beneath the main structural lintel. It can be used to support the weight of a few courses of brick or similar material if necessary.



Firescreen

This clips on to the frame of the fire. It is made from fine mesh steel in a steel frame and prevents sparks and embers falling out of the fire into the room.

Note: Not all accessories are suitable for all fire units. Please consult the accessories/grates chart.



The Frame

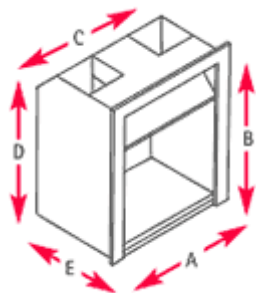
The Frame can be fitted to either a 600 or 700 Universal or 18" and 22" gas convector. The frame comes complete with fireguard and woodtray in the Universal version.

As The Frame still convects heat, you will need at least a 75mm gap between the frame and hearth.

To Fit Fire Size	Dim.	Dim.	Dim.
	A	B	C
Universal 600	934	670	55
Universal 700	1034	670	55

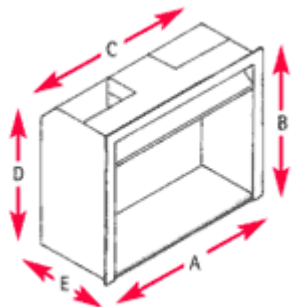
To Fit Fire Size	Dim. A	Dim. B	Dim. C
18" Convector Mk6	737	597	55
22" Convector Mk6	814	597	55

Models



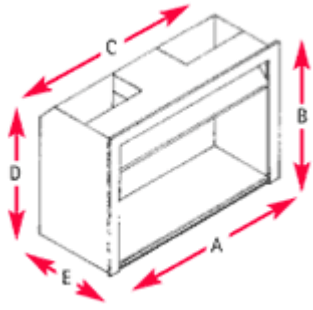
The Standard

The Standard comes in two models – the 16" and 19", which are designed to fit British Standard Fireplace openings of 16" × 22" and 18" × 22".



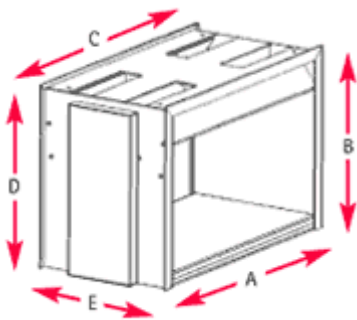
The Universal & The Extra

The Universal models come in three sizes – the 500, 600 and 700, each with a firebox height of 630mm and a depth of 355mm. The Extra models are three larger sizes, the 700, 850 and 1050, each higher and deeper in proportion.



The Low

The Low fires also come in three sizes – the 500, 600 and 700, each with a firebox height of 530mm and a depth of 355mm. Designed for low lintel or existing short chimney installations.



The Double Sided

Available as a 700mm and 1050mm to special order.

Frame, Firebox & Model specifications

Compare the A to E values in the table below with the diagrams in the models section above.

Standard		Universal			Low			Extra			Double Sided	
16"	18"	500	600	700	500	600	700	700	850	1050	700	1050

Frame

mmWidth A	453	503	600	700	800	600	700	800	800	950	1150	800	1150
insWidth A	17 ¾	19 ¾	23 ¾	27 ½	31 ½	23 ¾	27 ½	31 ½	31 ½	37 ½	45 ½	31 ½	45 ½
mmHeight B	576	576	650	650	650	550	550	550	700	750	800	700	770
insHeight B	22 ¾	22 ¾	25 ¾	25 ¾	25 ¾	21 ¾	21 ¾	21 ¾	27 ½	29 ½	31 ½	27 ½	30 ¾

Firebox

mmWidth C*	398	448	550	650	750	550	650	750	750	900	1100	860	1210
insWidth C*	15 ¾	17 ¾	21 ¾	25 ¾	29 ½	21 ¾	25 ¾	29 ½	29 ½	35 ¾	43 ¾	33 ¾	47 ¾
mmHeight D	549	549	630	630	630	530	530	530	680	730	780	680	750

	Standard		Universal			Low			Extra			Double Sided	
	16"	18"	500	600	700	500	600	700	700	850	1050	700	1050
insHeight D	21 %	21 %	24 %	24 %	24 %	20 %	20 %	20 %	26 %	28 %	30 %	26 %	29 %
mmDepth E	350	350	355	355	355	355	355	355	405	455	505	600	600
insDepth E	13 ¾	13 ¾	14	14	14	14	14	14	16	18	20	23 %	23 %

Model

Opening NeededmmWidth	407	457	580	680	780	580	680	780	780	930	1130	870	1220
insWidth	16	18	22 ¾	26 ¾	30 ¾	22 ¾	26 ¾	30 ¾	30 ¾	36 ¾	44 ½	34 ¾	48
mmHeight	559	559	635	635	635	535	535	535	685	735	785	685	755
insHeight	22	22	25	25	25	21	21	21	27	29	31	27	29 ¾
mmDepth	356	356	365	365	365	365	365	365	415	465	515	600	600
insDepth	14	14	14 ¾	14 ¾	14 ¾	14 ¾	14 ¾	14 ¾	16 ¾	18 ¾	20 ¾	23 %	23 %
Room Size Heated Cubic Metres	57	70	130	150	170	70	130	150	175	200	250	180	210
Cubic feet (x 1000)	2.0	2.45	4.4	5.1	5.8	2.45	4.4	5.1	5.9	6.8	8.4	6.1	7.1
Average Output to Room kWWood	2.9	3.6	6.5	7.5	8.5	5.0	6.5	7.5	9.5	14.9	†17	†17	†20
kWCoal	3.8	4.1	6.7	7.6	8.6	5.3	6.7	7.6	8.7	13.1	†15	†15	†18
kWSmokeless Fuel	2.9	3.2	5.1	5.8	6.6	4.0	5.1	5.8	6.7	10.1	†12	†12	†14
Recommended Flue mm int.Square	185	185	185	185	200	185	185	185	200	250	300	300	350x500
ins int.Square	7 ¼	7 ¼	7 ¼	7 ¼	8	8	7 ¼	7 ¼	8	10	12	12	14x20
mm int.Round	180	200	200	200	200	200	200	200	225	250	300	350	-
ins int.Round	7	8	8	8	8	8	8	8	9	10	12	14	-
Minimum Flue mm int.Minimum flue round	155	180	180	190	200	180	185	190	225	250	300	350	-
ins int.Minimum flue round	6	7	7	7 ½	8	7	7 ¼	7 ½	9	10	12	14	-
cm:Minimum flue area	190	250	250	285	315	250	267	285	366	507	730	900	1750
ins:Minimum flue area	30	38	38	44	50	38	42	44	57	79	113	144	280
PaMinimum flue draught	10	10	10	10	-	10	10	-	-	-	-	-	-
Chimney Height cmAbove Fire	4.6	4.6	5.5	5.5	5.5	5.5	5.5	5.5	5.5	6.0	7.2	5.5	6.0
ftAbove Fire	15	15	18	18	18	18	18	18	18	20	24	18	20
cm:Air Supply	170	170	230	230	230	230	230	230	230	350	500	230x2	500x2
ins:Air Supply	26	26	36	36	36	36	36	36	36	55	78	36x2	78x2

* = Damper and friction bar bolt heads extend beyond this dimension

† = Estimated

Outputs, Efficiency & Temperatures

	Standard		Universal			Low		
	16	18	500	600	700	500	600	700
Wood Tray with Wood								
Room Size Heated M³	57	70	130	150	170	70	130	150
Heat Output to Room WoodKw (Tested to BS3250)	2.9	3.6	6.5	7.5	8.5	5.0	6.5	7.5

	Standard		Universal			Low		
	16	18	500	600	700	500	600	700
Wood Tray with Wood								
Total Nominal Heat Output Wood ^{Kw} <small>(When tested to EN13229:2001)</small>	5.5	8.5	15	20	-	15	20	-
Net Efficiency Wood % <small>(When tested to EN13229:2001)</small>	49.7	≥46.7	≥46.7	46.7	≥46.7*	≥46.7*	≥46.7*	≥46.7*
Flue Gas Temperature ^{°C} <small>(When tested to EN13229:2001)</small>	187	<380	<380	380	-	-	-	-
Flue Gas Mass Flow ^{gs⁻¹} <small>(When tested to EN13229:2001)</small>	28.9	-	-	61.9	-	-	-	-
Mean CO² in Flue Gas % <small>(When tested to EN13229:2001)</small>	2.42	-	-	5.12	-	-	-	-
Mean CO @ 13% O² % <small>(When tested to EN13229:2001)</small>	0.35	0.35	0.35	0.17	-	-	-	-

* = Estimated figures