EFFICIENT & STYLISH HEATING SOLUTIONS WITH MINIMAL ENVIRONMENTAL IMPACT

infiniti fires

INFINITI WOOD STOVES

A NEW GENERATION IN HEATING

INFINITI FIRES™ FIREPLACES AND THE ENVIRONMENT

The Infiniti Fires™ range of superior gas & wood fires is the result of extensive research around South African consumer requirements in home heating.

A group of South African fireplace industry experts have combined their knowledge to ensure that Infiniti's fireplace products are:

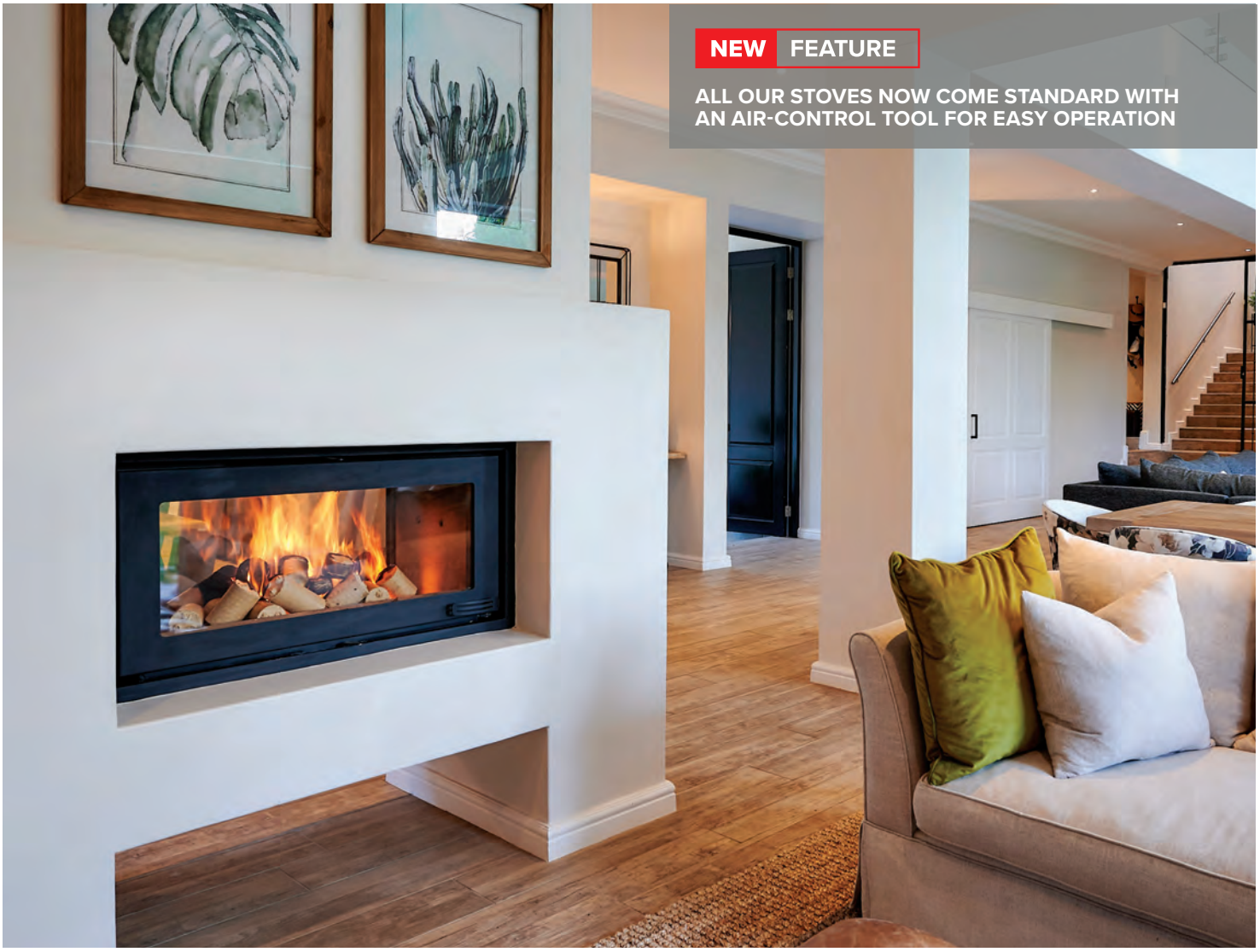
- Capable of effectively heating South African homes
- Highly efficient, making optimal use of the fuel burnt
- Easy to use and safe
- Economically viable heating solutions
- Environmentally friendly
- Modern looking to complement today's architecture

CLOSED COMBUSTION WOOD STOVES: THE FACTS

- CCWS are rated around the world at being both efficient & environmentally friendly home heating.
- Wood being burnt in our stoves reaches a combustion temperature in excess of 900c. At these temperatures, wood is burnt at nearly 80% efficiency, wasting very little in the way of heat into the atmosphere.
- Flue emissions from wood being burnt in our stoves are less than if the wood had rotted naturally in the forest. If you are growing trees and burning the excess /dead wood your contribution towards global warming is nil from a CCWS.
- The cost of heating (assuming you are buying wood at about R1400 per tonne) is about 50c per KwHr. About 20% of the price of electricity in South Africa. The cost of installing one of our stoves in your home will typically be paid off in about 2 years of savings in electricity bills.
- Warming your home with a CCWS, instead of electricity, will reduce electrical demand by about 10 000 KwHrs per year. This change in your home will save Eskom burning 4 tonnes of coal and using many thousands of litres of water per year. For a country with high air pollution and scarce water, something we should all be looking at.

PHOTO COURTESY OF SA HOMEOWNER

INFINITI 18KW DOUBLE SIDED INSERT



NEW FEATURE

ALL OUR STOVES NOW COME STANDARD WITH AN AIR-CONTROL TOOL FOR EASY OPERATION

SPECIAL FEATURES OF OUR WOOD STOVES

All our stoves have a full vermiculite jacket inside the fireplace. This insulating material raises the combustion temperature inside the fire to in excess of 950°C. At these temperatures the wood burns highly efficiently sending very little emissions into the atmosphere.

The high temperature combustion sends about 70% of the heat of the fire out through the door glass as an infrared light wave. This enables the heat to travel long distances across the room and keeps the heat down where you want it, particularly important in open plan/double volume spaces.

A long, slow burn time will allow the fire to comfortably burn through the night or whilst we are out during the day. We have found that with a full load of good quality wood, the 8 Kw stove can burn at a slow pace for up to 12 hours and the 13 Kw stove for up to 15 hours.

SLIDE OUT TABLE

NEW FEATURE

Our Wood Storage Tables, Curve Units, as well as our 10 Kw and 13 Kw Leg Units, now come standard with a Slide Out Table, located just below the door of the stove. When lighting your fire or cleaning out the ash, pull out this table to hold your kindling, wood, and matches and to catch any particles/ash dropped. Simply slide the table in after use to hide any dropped particles/ash until such time that the table can be cleaned. Refer to pages 11 - 13 for more detail on these tables.

NEW FEATURE

1 TOUCH AIR CONTROL

Traditionally wood stoves have two air control levers - one to control the primary air brought into the base of the fire - and one to control air brought into the top of the fire. This is to improve combustion efficiency, lower emissions into the atmosphere, and keep the door/glass clean and cool. There is some thought involved in how to adjust these controls correctly for best effect combustion.

Our 14 Kw and new 18 Kw single sided stoves utilise our **1 Touch Air Control**. This single air control is located at the bottom of the door, where it is much cooler to the touch. It easily adjusts air flow in the correct proportions to the top, rear and base of the stove, to maximize efficiency and ensure clean burning - making these units much simpler to use than many other wood stoves.

CHOICE OF GLASS

NEW FEATURE

Our 14 Kw single sided and new 18 Kw single and double sided stoves come in a choice of a Clear Glass at the rear of the door or a Black Border Glass located at the front of the door, for a more sophisticated look.

INFINITI 13KW CONVECTION UNIT

8KW FREESTANDING UNIT

This freestanding unit comes standard with 80mm high legs and a conversion plate.

By simply removing two screws and fitting the conversion plate, the unit can be changed to create a cube effect.

These units can be installed either sitting on floor tiles or a hearth, or can be installed on top of our wood storage table, thereby creating a range of looks from the same unit.

The units all have rear heat deflector plates, enabling them to be installed 150mm off plaster walls - a snug fit for the best look.

These units are available with both top and rear flue exits.

HEATING CAPACITY

8 Kw / 320 m^3

NEW FEATURE

NOW STANDARD WITH
SLIDE OUT TABLE

INFINITI CURVE UNITS

Our new 10 & 12 Kw Curve units are designed with gentle curves on either side to give this unit a smooth oval look.

The larger convection chamber and ventilated top plate enhances air circulation to improve the efficiency of the unit, as well as decreasing the temperature of the steel side walls for a safer touch by hands.

The unit functions equally well whether positioned on a flat wall or orientated across a corner.

These units are available with both top and rear exit flue options.

HEATING CAPACITY

10 Kw / 400 m^3
12 Kw / 480 m^3

NEW FEATURE

NOW STANDARD WITH
SLIDE OUT TABLE

10, 13, 14 & 18 KW FREESTANDING RANGE

	10 KW	13 KW	14 KW SINGLE SIDED	14 KW DOUBLE SIDED	18 KW SINGLE & DOUBLE SIDED
BLACK LEGS	✓	✓	NA	NA	NA
STAINLESS STEEL LEGS	✓	✓	NA	NA	NA
CONVECTION UNIT	✓	✓	✓	✓	✓
WOOD STORAGE BOX	✓	✓	✓	✓	✓
SHORT TAPERED LEGS	NA	NA	✓	NA	✓
LONG TAPERED LEGS	NA	NA	✓	NA	✓
SLIMLINE LEGS	NA	NA	✓	NA	NA
HEATING CAPACITY	400m^3	520m^3	560m^3	560m^3	720m^3

- Black or Stainless Steel leg units are freestanding units c/w side legs
- Convection boxes can be installed either on a non-combustible floor or on a wood storage box
- Tapered or Slimline legs can be used on the 14 Kw convection unit to create a classic freestanding look
- Tapered legs can be used on the 18 Kw Single or Double Sided units

NEW FEATURE

NOW STANDARD WITH
SLIDE OUT TABLE

INFINITI 10 KW BLACK LEG UNIT

14 KW & **NEW** 18 KW SINGLE SIDED WOOD STOVES

- 1 Touch Air Control Systems to easily adjust the rate of burn on these units
- Choice of rear mounted glass or front mounted Black Border Glass
- Available in freestanding variants as well as insert models
- Deep base to hold a large amount of ash before requiring cleaning

NEW FEATURE

NOW STANDARD WITH AIR INLET RESTRICTOR
EASILY SET TO PREVENT OVER BURNING WHEN INSTALLED WITH A LONG CHIMNEY OR IN HIGH WIND AREAS

SEE BACK COVER FOR MORE DETAIL

Included:
- Free ash shovel designed to easily clean ash out of the unit
- Air control tool to easily adjust the rate of burn

INFINITI 14 KW CONVECTION UNIT C/W BLACK BORDER GLASS & WOOD STORAGE BOX

INFINITI 18KW DOUBLE SIDED CONVECTION UNIT WITH WOOD STORAGE BOX

INFINITI 14KW CONVECTION UNIT CW BLACK BORDER GLASS & TAPERED LEGS

INFINITI 14KW CONVECTION UNIT CW BLACK BORDER GLASS & SLIMLINE LEGS


PHOTO COURTESY OF SA HOMEOWNER

INFINITI WOOD INSERTS

Using the same tried and trusted fireboxes as the freestanding units, Infiniti's inserts are designed to be built into brickwork to give a sophisticated look. They are manufactured with a built-in convection system. This funnels air around the outside of the hot firebox, bringing it back into the room as hot air, increasing the efficiency of the unit to just below that of the freestanding units.

They are ideal for those existing homes that have a brick chimney as well as for new homes/renovations where chimneys are to be built. With the same high temperature combustion and long burn times of the freestanding units, these inserts are capable of heating large areas of home.

Available in the following versions:

UNIT	HEAT (Kw)	HEAT (m^3)
SINGLE SIDED INSERT	8 Kw	320
	10 Kw	400
	13 Kw	520
	14 Kw	560
	18 Kw	720
DOUBLE SIDED INSERT	14 Kw	560
	18 Kw	720

INFINITI 10 KW INSERT

INFINITI 14 KW INSERT C/W BLACK BORDER GLASS

SPECIAL FEATURES OF 14 KW SINGLE SIDED INSERTS

- The inner firebox and the outer convection box are two separate items, that slot together with a tongue and groove system to make a complete working wood stove insert. This enables the outer box to be built in the brick wall structure and the inner working firebox to be fitted later.
- Great for building sites where there is a risk of damage to the inner firebox during the building process.
- Should there ever be a need to service the inner firebox it can be easily removed for maintenance.
- This unit can be installed with either a top exit or rear flue.

INFINITI 14 KW INSERT C/W REAR GLASS

WOOD INSERTS TO CONVERT EXISTING BUILT-IN JETMASTER UNIVERSALS

These Infiniti inserts are designed to easily convert existing built in Jetmaster units to high efficiency wood stoves. By using a cutting torch or plasma cutter to cut away the unwanted internal parts of the existing Jetmaster, enough space is created, that you are able to slide our insert into the external remains of the Universal.

Our steel frame covers up to the external dimensions of the existing Universal frame to give a tidy fit. This means that our insert can be completely installed in less than a day without any damage or re-work to the walls around the existing universal. This saves a lot of dust and disruption to the room as well as minimising the costs of changing to our powerful heat output insert.

Available in the following versions:

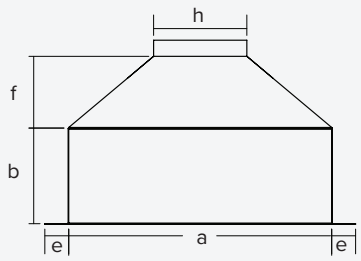
UNIT	HEAT (Kw)	HEAT (m^3)	CONVERTS	
10 KW CONVERSION	10 Kw	400	700D Universal	
14 KW CONVERSION	14 Kw	560	850 Universal	**NEW**
14 KW DOUBLE SIDED CONVERSION	14 Kw	560	700 Double Sided Universal	
18 KW CONVERSION	18 Kw	720	1050 Universal	
18 KW DOUBLE SIDED CONVERSION	18 Kw	720	1050 Double Sided Universal	

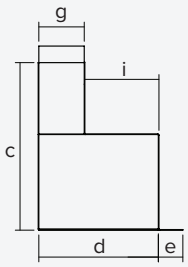
INSERT BEING SLID INTO 700 DOUBLE SIDED UNIVERSAL

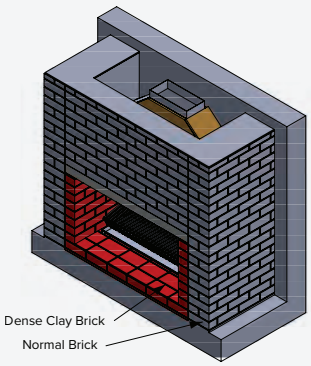
COMPLETED LOOK

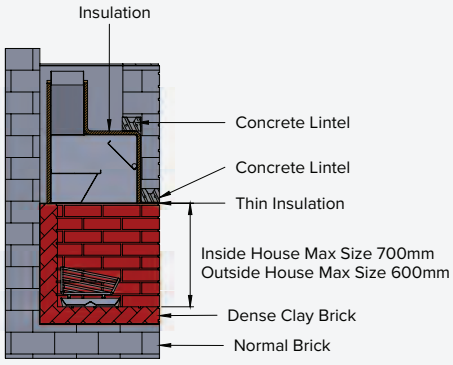
OPEN WOOD FIRES DAMPER UNIT

TYPICAL INSTALLATION DETAIL



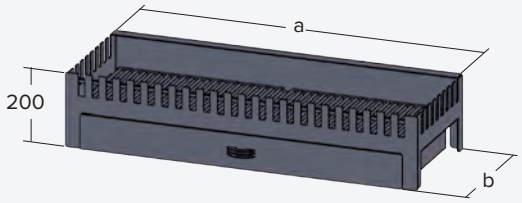






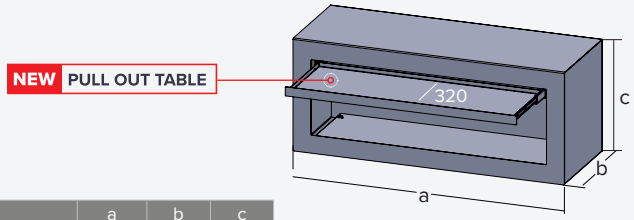
PRODUCT	a	b	c	d	e	f	g	h	i	
850 Damper	900	400	650	455	100	250	200	300	265	Circular Flue
1050 Damper	1100	400	700	505	100	300	200	400	310	275mm Diameter
1200 Damper	1250	400	700	505	100	300	350	500	155	300mm Diameter
1500 Damper	1550	400	700	505	100	300	350	500	160	N/A
										N/A

BASKET GRATE & PAN



PRODUCT	a	b
600 Model	570	280
700S Model	670	280
700D Model	670	345
800 Model	780	345
1000 Model	960	345
1200 Model	1145	425

WOOD STOVE - WOOD STORAGE BOXES



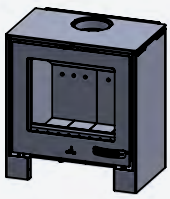
	a	b	c
Long Storage	1215	450	500
8 Kw	621	376	500
10 Kw	750	405	500
13 Kw	870	405	500
14 Kw	832	427	500
14 Kw D/S	750	629	500
18 Kw	1100	492	500
18 Kw D/S	1100	502	500
18 Kw D/S BB Glass	1100	522	500

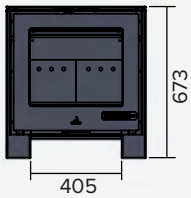
NOTE
D/S units have securing lips on top of tables to hold wood stove secure

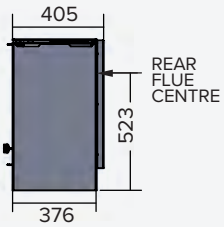
On Double Sided Wood Storage Tables, the Pull Out Table operates on one side only

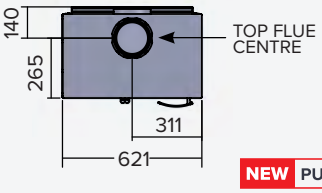
FREESTANDING WOOD STOVES C/W LEGS

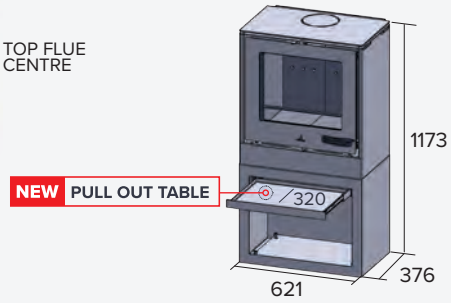
8 KW | CUBE | FREESTANDING | CONVECTION | 150 MM DIAMETER FLUE | TOP OR REAR EXIT



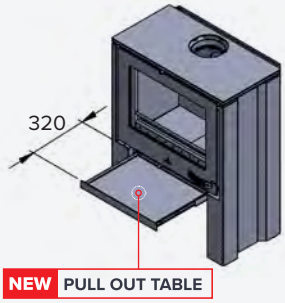


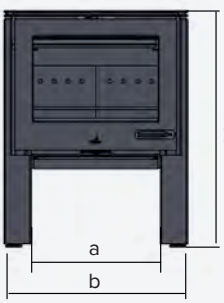


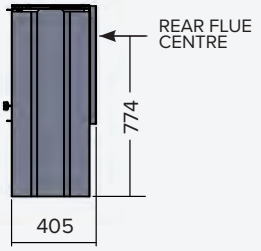


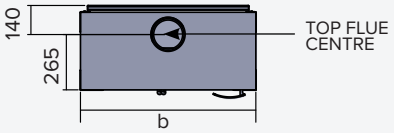


10/13 KW | FREESTANDING | CONVECTION | LEGS | 150 MM DIAMETER FLUE | TOP OR REAR EXIT



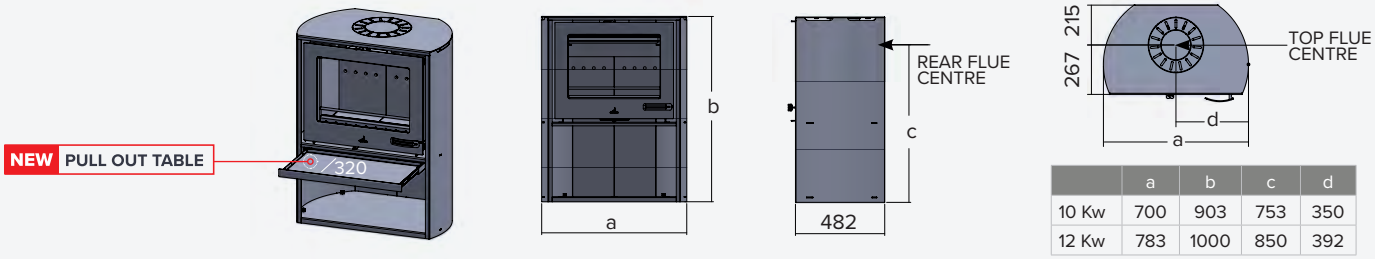






	a	b
10 Kw	510	726
13 Kw	628	849

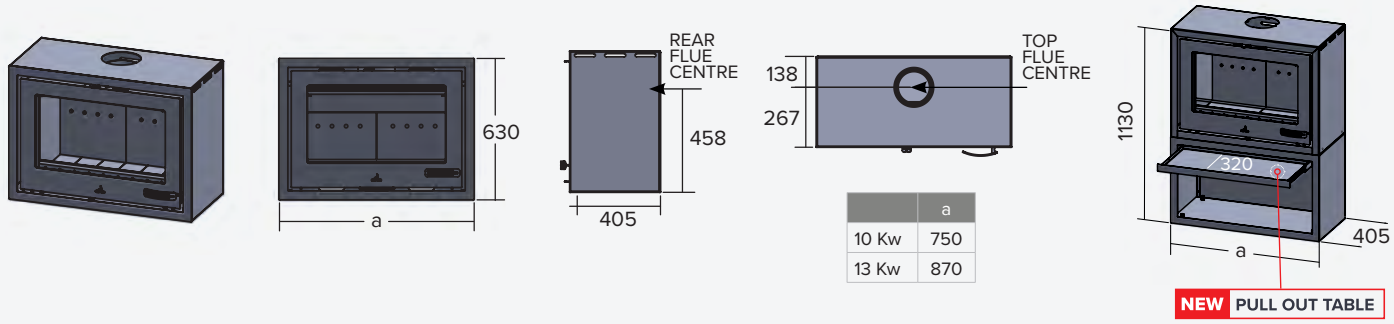
10/12 KW | CURVE | FREESTANDING | CONVECTION | 150 MM DIAMETER FLUE | TOP OR REAR EXIT



	a	b	c	d
10 Kw	700	903	753	350
12 Kw	783	1000	850	392

FREESTANDING WOOD STOVES C/W CONVECTION BOXES

10/13 KW | FREESTANDING | CONVECTION | 150 MM DIAMETER FLUE | TOP OR REAR EXIT

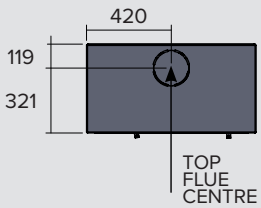


	a
10 Kw	750
13 Kw	870

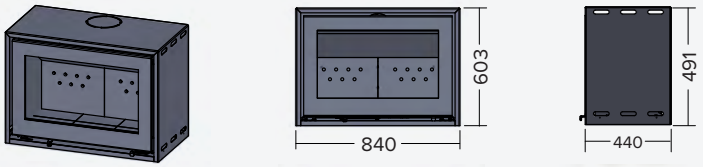
14 KW | FREESTANDING | CONVECTION | 150MM DIAMETER FLUE | TOP OR REAR EXIT

1 TOUCH AIR CONTROL

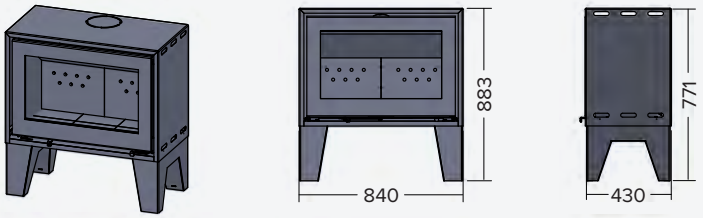
PLAN VIEW COMMON TO ALL 14 KW CONVECTION UNITS



CONVECTION UNIT

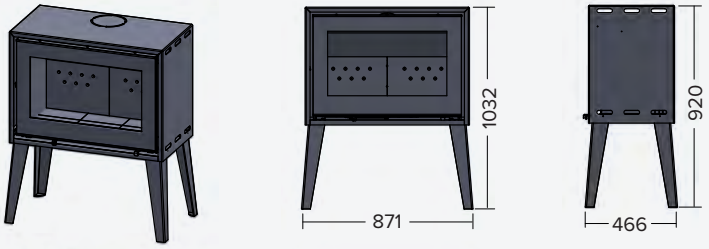


C/W TAPERED LEGS

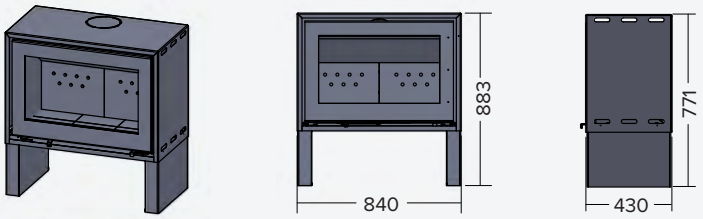


NEW FEATURE

C/W LONG **TAPERED LEGS**

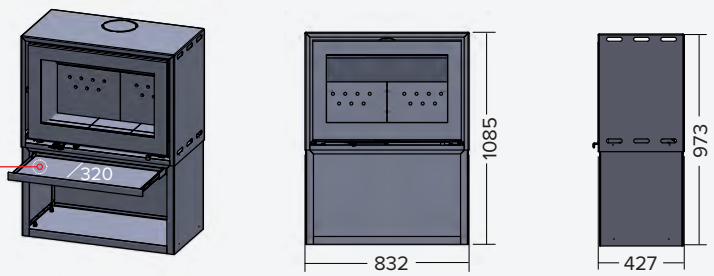


C/W SLIMLINE LEGS

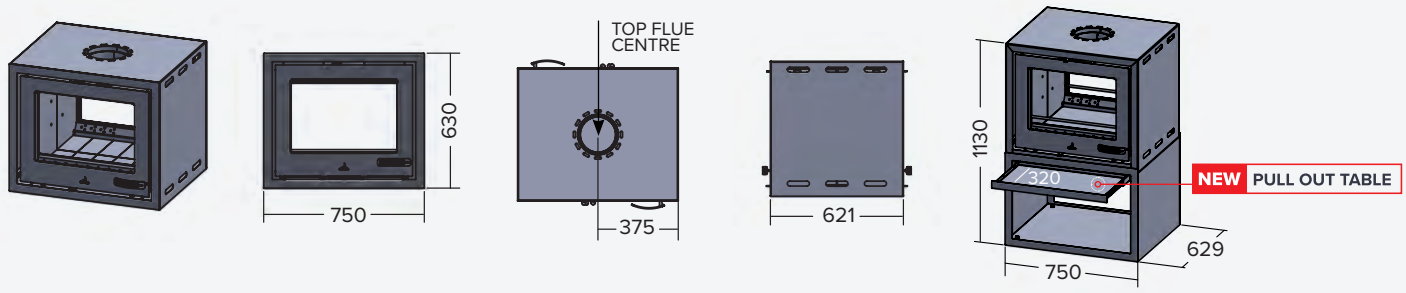


C/W WOOD STORAGE BOX

NEW PULL OUT TABLE

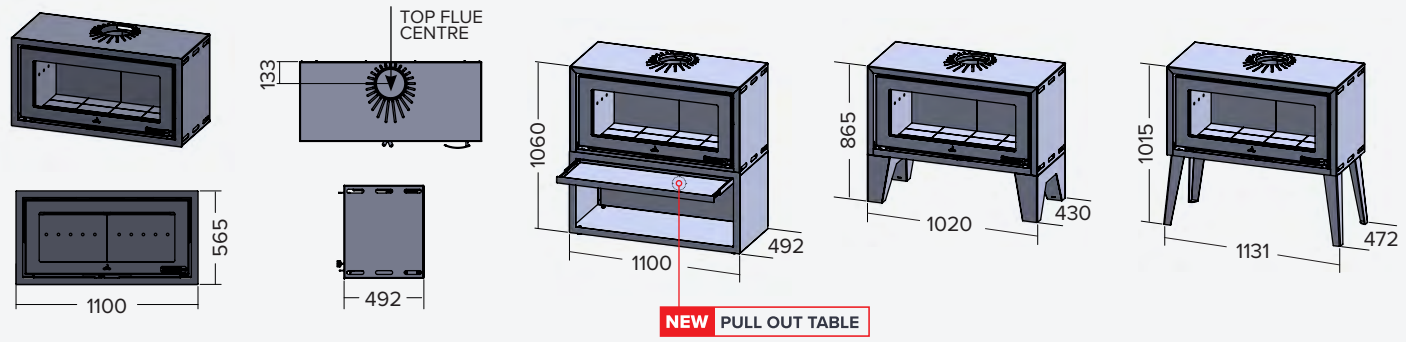


14 KW | FREESTANDING | DOUBLE-SIDED | CONVECTION | 175 MM DIAMETER FLUE | TOP EXIT ONLY

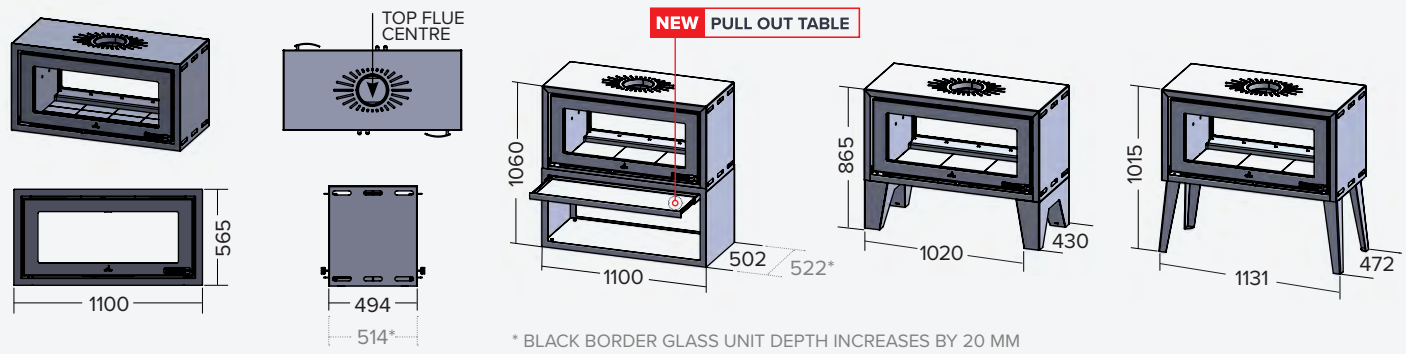


18 KW | FREESTANDING | CONVECTION | 175 MM DIAMETER FLUE | TOP EXIT ONLY

18KW NOW COMES STANDARD WITH **1 TOUCH AIR CONTROL** AND **MATCHING DOOR HANDLE**



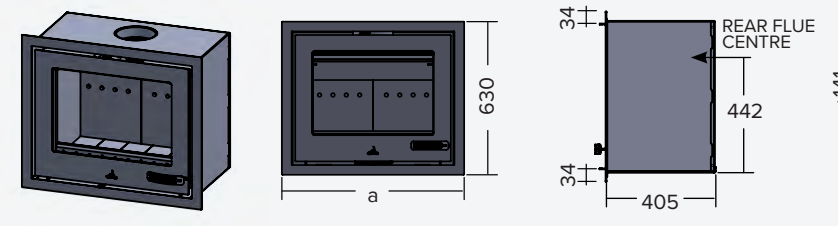
18 KW | FREESTANDING | DOUBLE-SIDED | CONVECTION | 175 MM DIAMETER FLUE | TOP EXIT ONLY



* BLACK BORDER GLASS UNIT DEPTH INCREASES BY 20 MM

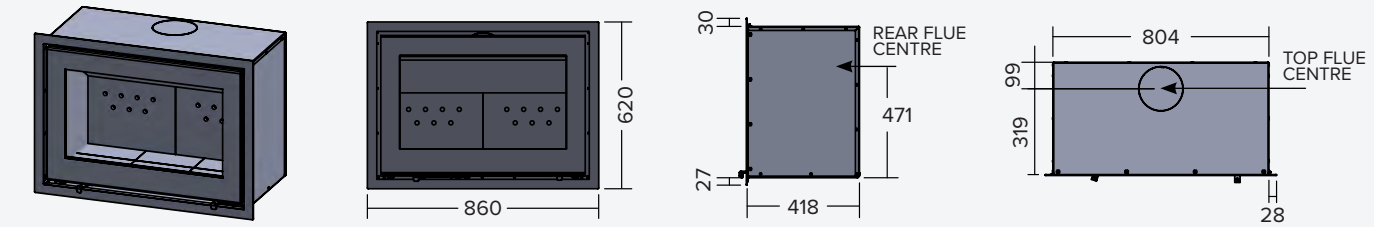
BUILT-IN WOOD STOVES NEW BUILD

8, 10 & 13 KW INSERT | 150 MM DIAMETER FLUE | TOP OR REAR EXIT

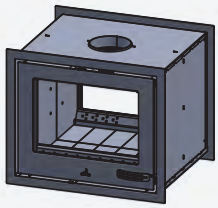


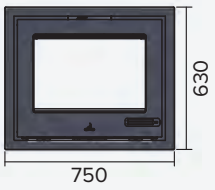
	a	b
8 Kw	667	601
10 Kw	750	683
13 Kw	870	803

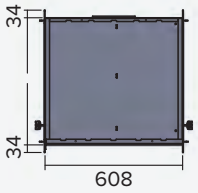
14 KW INSERT | 150 MM DIAMETER FLUE | TOP OR REAR EXIT

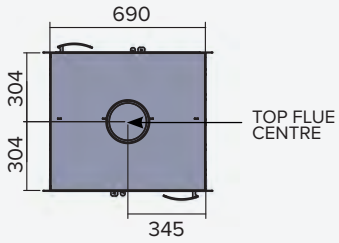


14 KW INSERT | DOUBLE-SIDED | 175MM DIAMETER FLUE | TOP EXIT ONLY

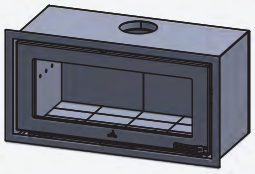


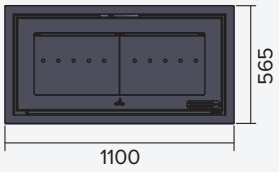


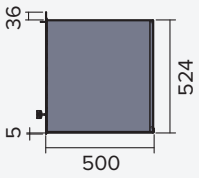


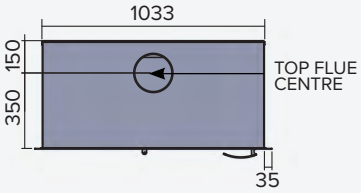


18 KW INSERT | 175 MM DIAMETER FLUE | TOP EXIT ONLY

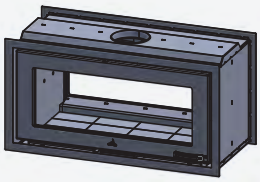


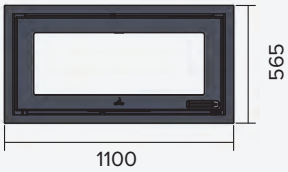


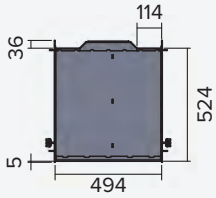


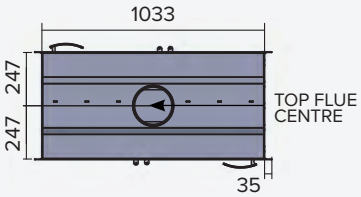


18 KW INSERT | DOUBLE-SIDED | 175 MM DIAMETER FLUE | TOP EXIT ONLY







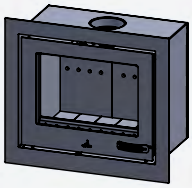


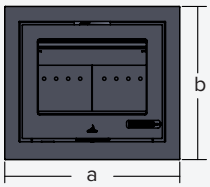
BUILT-IN WOOD STOVES TO CONVERT JETMASTER UNIVERSALS

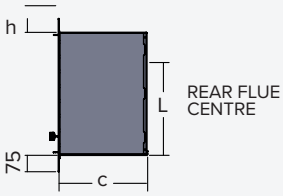
10 KW CONVERTS JETMASTER 700D | **14 KW** CONVERTS JETMASTER 850 | 150 MM DIAMETER FLUE | TOP OR REAR EXIT

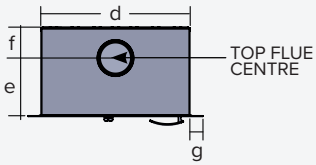
14KW NOW COMES STANDARD WITH **1 TOUCH AIR CONTROL** AND **MATCHING DOOR HANDLE**

	CONVERTS	a	b	c	d	e	f	g	h	l
10 Kw	700D	800	700	405	683	264	141	60	62	424
14 Kw	850	950	750	418	803	319	99	73	133	471

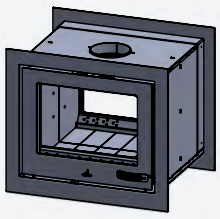


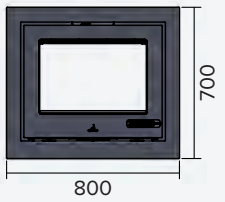


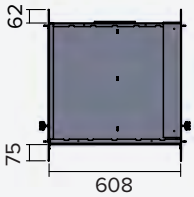


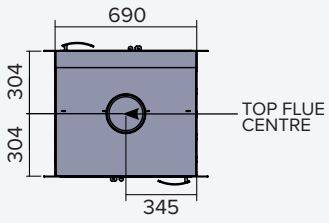


14 KW CONVERTS JETMASTER 700 DOUBLE-SIDED | 175 MM DIAMETER FLUE | TOP EXIT ONLY

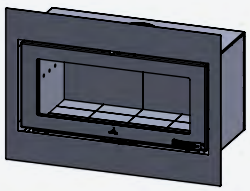


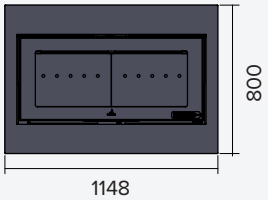


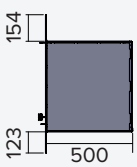


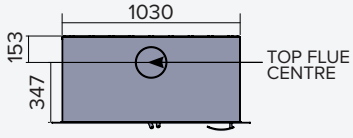


18 KW CONVERTS JETMASTER 1050 | 175 MM DIAMETER FLUE | TOP EXIT ONLY

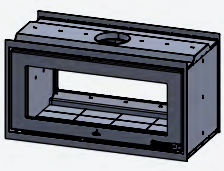


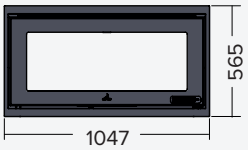


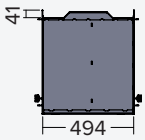


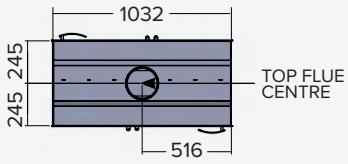


18 KW CONVERTS JETMASTER 1050 DOUBLE-SIDED | 175 MM DIAMETER FLUE | TOP EXIT ONLY









TOP-DOWN LIGHTING

For centuries savvy owners of open wood fires have used a **top-down lighting method** to best ignite wood in their fires. These same principles apply in wood stoves.

Method:
Place the bigger pieces of wood on the base of the stove and stack the wood with air gaps between the pieces, getting gradually smaller with the size of wood, finishing with kindling wood at the top. Place the firelighter amongst the kindling wood at the top and light. Close the door sufficiently enough to give an opening of about 10mm. This slight opening of the door will feed air rapidly into the fire, like holding a hair dryer in position.

The heat from the firelighter and kindling wood will warm the chimney, increasing the draw on the fire. The lit kindling will gradually light the bigger, denser pieces of wood below. Lighting a fire in this manner will make lighting the fire easier, will keep the door glass cleaner and also reduce emissions up the chimney in the lighting process.

Once the fire is well-lit (generally about 10 minutes), close the door & operate the wood stove using the air controls to feed in the right amount of air for the required heat output.


WOOD STACKING FOR TOP-DOWN LIGHTING

HOW MUCH WOOD DO YOU NEED TO BURN?

- **1 kg** of decent dry firewood contains about **4 KwHrs** of energy
- Infiniti Fires™ Wood Stoves will achieve an efficiency of about **80%**
- **1 kg** of wood burnt in **1 hour** in our wood stoves will produce **4 KwHrs x 80% = 3.2 KwHrs** of useful energy into your room
- If you want **8 KwHrs** of heat output from our stoves you will need to burn **8 ÷ 3.2 = 2.5 kg** of wood/hour

OVERBURNING OF WOOD STOVES/FLUE DAMPERS

- Wood stoves are designed to function well with a flue length of typically 3.5 to 5m above the stove.
- The longer the flue, the faster the smoke is drawn up the chimney, allowing more air to enter the fire and increasing the heat produced.
- If the stove is installed in an area with habitually high winds in winter season, the wind passing the top of the chimney will also assist in sucking out the smoke.
- If your stove is going to be installed with a chimney length well in excess of 5m and /or in an area with high winter winds, we suggest you install a flue damper. A flue damper is a restrictor in the flue that can be adjusted to compensate for higher than normal chimneys or areas with high winds. Your stove will work better, provide more useful heat and have a longer lifespan.

NEW FEATURE

- Our 14 and 18 Kw Single Sided Stoves fitted with our **1 TOUCH AIR CONTROL SYSTEMS** have a built in air inlet restrictor. This can be easily set at installation of the stove to compensate for extra high chimneys or high winds.

WARRANTY

- **5 year warranty** on wood stoves
- Infiniti Fires™ is a registered trademark
- Our designs and products are protected with patents and design applications.
- Infiniti Fires™ continues to develop and improve its products. It reserves the right to update specifications without prior notice.

Please visit our website for a full list of dealers around South Africa that can assist you further with competent advice, qualified installation teams and after sales service, as well as installation manuals and warranty information.

infiniti fires

We feel sure that in perusing our wood stove or gas fire brochures or visiting us on www.infinitifires.co.za you will find a fire to suit your specific application