



ALDERLEA

CAST-IRON OVER STEEL SERIES

WOOD BURNING STOVES
FOR HEATING SMALL TO LARGE SPACES



ALDERLEA T4
ALDERLEA T4 CLASSIC
ALDERLEA T5
ALDERLEA T5 CLASSIC
ALDERLEA T6

ALDERLEA T4

ALDERLEA T4 CLASSIC

FREESTANDING STOVE

FOR SMALL TO MEDIUM ROOMS



ALDERLEA T4



ALDERLEA T4 CLASSIC – ANTIQUE WHITE

The T4, and the T4 Classic in porcelain enamel, incorporates a huge glass window for a clean view of the flame, warming shelves that swing out to reveal a concealed cook top, efficient heat output and unmatched ease of use. It's a powerful, reliable source of heat with old world charm and unmatched durability.

Peak Heat Output

16 kW

COMBINED EFFICIENCY	67%
EMISSIONS	1.5 GM/KG
LOG SIZE (MAX)	40–45 CM
FIREBOX SIZE	41 L
GLASS SIZE	76 CM ²
WEIGHT	195 KG

STANDARD FEATURES

Reliable, Durable Non-Catalytic Technology
Floating Firebox for extended stove life
Multi-Port Combustion Air Injection System
Airwash Technology for clear, clean glass
Swing out food warming shelves
Easy cleaning ash system and chute
Inside and outside combustion air capable
Concealed cooktop fits 6" x 13" pan
Steel Baffle and 304 Stainless Steel insulation cover
East-West loading

DESIGN OPTIONS

T4: Metallic black cast iron finish
T4 Classic: Majolica and
Antique White porcelain enamel finish

PERFORMANCE OPTIONS

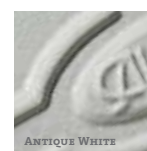
135 m³/hr fan



METALLIC BLACK



MAJOLICA



ANTIQUE WHITE

ALDERLEA T5

ALDERLEA T5 CLASSIC

FREESTANDING STOVE

FOR MEDIUM ROOMS



ALDERLEA T5



ALDERLEA T5 CLASSIC – MAJOLICA

The T5, and the T5 Classic in porcelain enamel, combine the best of cast iron and steel stoves for radiant and convective heat. With a concealed cooktop and a huge glass window for a clean view of the flame, the T5's are easy-to-light, easy-to-use, long-burning wood heaters with old world charm.

Peak Heat Output

21 kW

COMBINED EFFICIENCY	67%
EMISSIONS	1.1 GM/KG
LOG SIZE (MAX)	40 CM
FIREBOX SIZE	65 L
GLASS SIZE	82 CM ²
WEIGHT	222 KG

STANDARD FEATURES

- Reliable, Durable Non-Catalytic Technology
- Floating Firebox for extended stove life
- Multi-port combustion air injection system
- Airwash Technology for clear, clean glass
- Swing out food warming shelves
- Easy cleaning ash system and chute
- Inside and outside combustion air capable
- Boost air for easy lighting
- Concealed cooktop fits 9" x 11" pan
- 304 stainless steel baffle and insulation cover
- North-South loading

DESIGN OPTIONS

- T5: Metallic black cast iron finish
- T5 Classic: Majolica and
- Antique White porcelain enamel finish

PERFORMANCE OPTIONS

225 m³/hr fan



METALLIC BLACK



MAJOLICA



ANTIQUE WHITE

ALDERLEA T6

FREESTANDING STOVE

FOR MEDIUM TO LARGE ROOMS



ALDERLEA T6



By wrapping a cast iron profile around Pacific Energy's high-performance steel firebox, the T6 produces radiant and convection heat. It's crafted for maximum heating capacity, with Extended Burn Technology (EBT) for all-night burn times, and features a family-sized cooktop and a huge glass window.

Peak Heat Output

29 kW

COMBINED EFFICIENCY	64%
EMISSIONS	1.1 GM/KG
LOG SIZE (MAX)	45-50CM
FIREBOX SIZE	84 L
GLASS SIZE	106 CM ²
WEIGHT	254 KG

STANDARD FEATURES

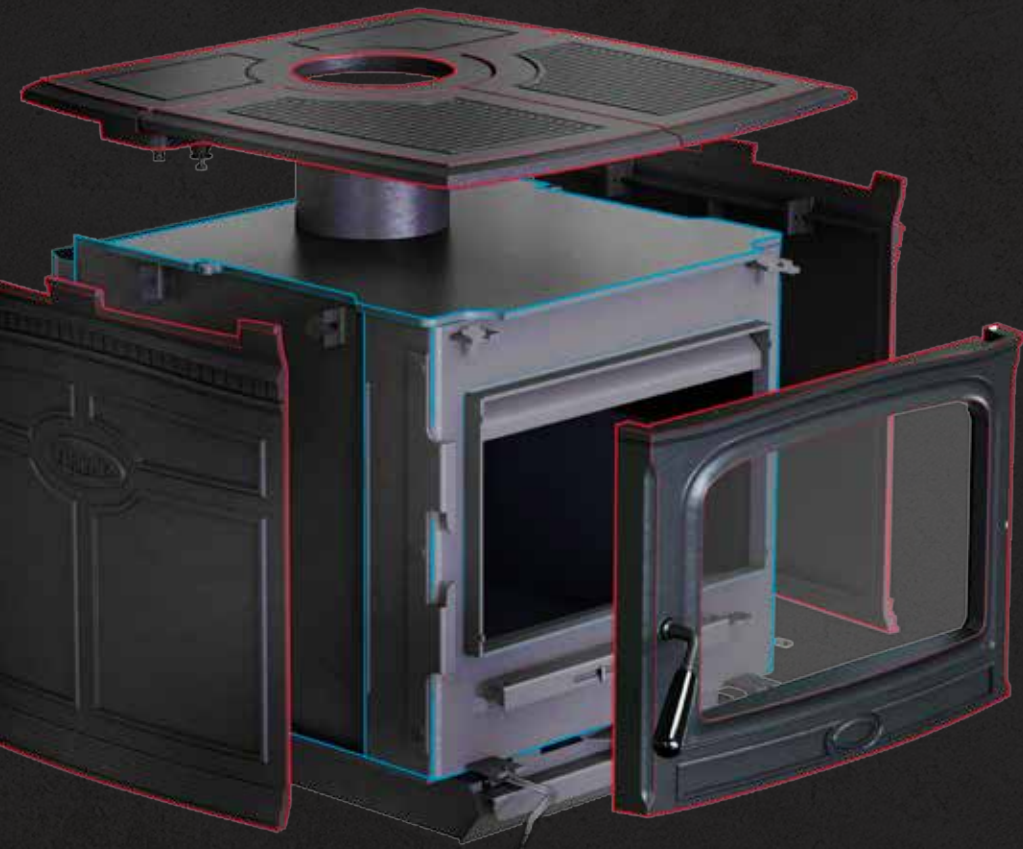
Reliable, Durable Non-Catalytic Technology
Floating firebox for extended stove life
Multi-Port Combustion Air Injection System
Airwash Technology for clear, clean glass
Extended Burn Technology (EBT)
Swing out food warming shelves
Easy cleaning ash system and chute
Inside and outside combustion air capable
Boost air for easy lighting
Concealed cooktop fits 12" x 15" pan
304 stainless steel baffle and insulation cover
Metallic black cast iron finish
North-South loading

PERFORMANCE OPTIONS

225 m³/hr fan



METALLIC BLACK



CAST IRON OVER STEEL

Until we pioneered the Alderlea line, and its revolutionary iron-wrapped steel firebox, a cast-iron stove was just that: cast iron. The Alderlea design makes the most of each metal: the steel stove and floating firebox is free to expand and contract, and its design maximizes convective heat efficiency, while the cast iron wrapping provides radiant heat. This superior system greatly extends longevity over an all cast stove. Metal fatigue is no longer a factor, allowing us to offer the industry's first lifetime warranty on a cast stove.

This technical innovation lives "under the skin" of the Alderlea line, which maintains the beloved traditional woodstove appearance. We say it's "powered by design, and crafted by tradition".

BAFFLE SYSTEM

Pacific Energy is a recognized industry leader in "clean burn" technology, as exemplified in our unique high capacity baffle system for preheating secondary combustion air for re-burning. By burning the combustible elements in the air, we improve our stoves' environmental performance while significantly reducing the amount of wood that is consumed.



FLOATING FIREBOX

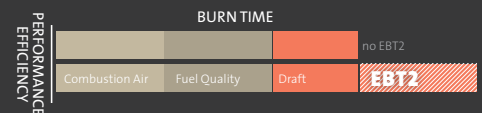
Our floating firebox system is legendary in the industry. Solidly designed with steel brick-support rails, it allows key parts to freely expand and contract, which reduces metal fatigue and adds years of life to the entire fireplace. The steel baffle (part of the clean-burning secondary combustion system) and the flame shield (which protects the stove top from intense heat) are all part of the floating firebox system.

KNIFE EDGE DOOR

A formed and welded knife edge opening creates a superior air tight seal to the door while strengthening the stove face. This is a more labor intensive design but our experience has proven this is the best way to manufacture a fireplace.

EBT2 EXTENDED BURN TECHNOLOGY

Our second-generation Extended Burn Technology, or EBT2, precisely regulates secondary airflow based on vacuum created by the chimney for a longer, cleaner, more economical burn. This automatically adjusts the secondary combustion system, for a cleaner, more efficient burn and extended burn time.



AIR WASH

A SYSTEM BY PACIFIC ENERGY

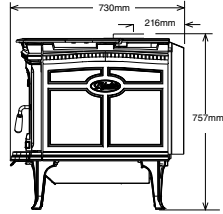
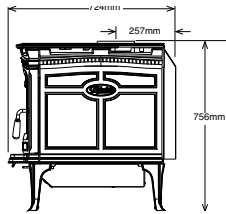
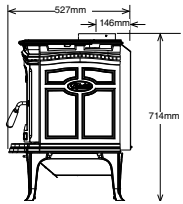
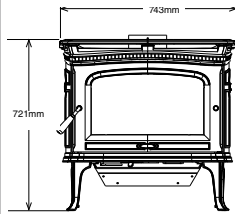
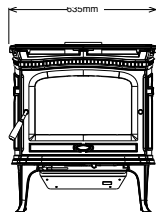
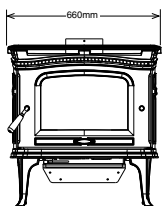
Pacific Energy developed the first effective airwash manifold system, a design that flows pre-heated air to the glass surface to keep it clean. A refined design now creates a high-pressure zone in the center and forces air to flow from above and across the glass. Even at low air settings, we are confident that our airwash system is the most effective available. And that our glass doors are among the cleanest in the industry.

ALDERLEA T4

ALDERLEA T5

ALDERLEA T6

TECHNOLOGIES



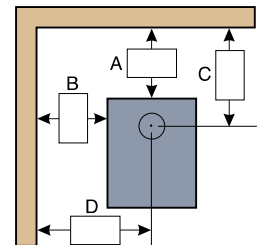
FLOOR PROTECTOR DIMENSIONS

FLOOR PROTECTOR Alderlea T4, T5: 6mm Thick cement fiber sheet with a thermal resistance of 0.41m²degK/W
 FLOOR PROTECTOR Alderlea T6: 6mm Thick cement fiber sheet with a thermal resistance of 0.8m²degK/W

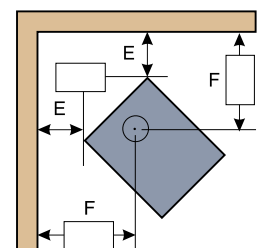
	Extending In front of Door Opening (mm)	From Side of Door Opening (mm)
Alderlea T4, T5 Classic	300	200
Alderlea T5, T5 Classic	300	200
Alderlea T6	500	200

CLEARANCES TO COMBUSTIBLES

		VERTICAL (mm)				CORNER (mm)	
		A	B	C	D	E	F
Alderlea T4 T4 Classic	Flue Pipe	375	350	525	655	250	570
	Flue Pipe with Single Shield & Locating Ring	250	350	400	655	200	520
	Flue Pipe with Double Shield & Locating Ring	175	350	325	655	200	520
	Flue Pipe with single length Decromesh/Shield	250	350	400	655	200	520
Alderlea T5 T5 Classic	Flue Pipe	350	375	605	680	275	630
	Flue Pipe with Single Shield & Locating Ring	100	375	355	680	200	555
	Flue Pipe with single length Decromesh/Shield	100	375	355	680	200	555
Alderlea T6	Flue Pipe with single length Decromesh/Shield	175	250	400	625	150	510



STRAIGHT



CORNER

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