

## Alpha - Indirect fired warm air heaters



### Alpha Range Technical Data

- Output duty : 30kW ~ 500kW
- Air volume : 0.60 ~ 7.8m<sup>3</sup>/s
- Efficiency : > 91%
- Voltage : 110/230/410 & Dual Voltage
- Sound levels @ 3m : 65 ~ 74dBA
- Duct lengths : 60 ~ 180m
- Thermal protection/re-cycling thermostats
- Stainless steel combustion chambers
- Stainless steel heat exchangers
- Pressure jet burners
- External controls interface

### Alpha Range Optional Features

- Mobile or static versions 35kW ~ 100kW
- Fork lift truck points (x 2 or x 4)
- Lifting eyes
- Stackable
- Panel construction & finish
- Controls up-grades
- Dual speed fans 170kW ~ 500kW models
- Hi/lo burners 170kW ~ 500kW models
- Discharge & return air spigot configuration
- Integral fuel tank options



## Alpha - Indirect Fired Warm Air Heaters

Alpha is an exciting and innovative range of robust, versatile, and highly efficient indirect oil fired mobile and portable warm air heat generators with outputs from 35kW to 500kW. All models are fitted with high efficiency stainless steel combustion chambers and heat exchangers and use high output centrifugal fans and pressure jet oil burners.

The smaller output models A30 and A52 with outputs of 35kW and 60kW respectively, are available in various configurations to suit mobile or static applications and can be used in either free blowing or ducted applications. The higher output models A146 – A430 with outputs from 170kW to 500kW are also available in various configurations and again are suitable for free blowing or ducted applications.

Various design options are available and include features such as integral bunded fuel cells, two speed fans, and hi/lo burner controls. Outer panels, paint finishes, inlet and discharge spigots and controls can all be specified by the customer so as to offer a unique and bespoke range of warm air heaters. Fork lift truck pockets and lifting eyes are fitted as standard, and the models within the range are designed so they can be stacked when not in use.

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### Technical & Performance Data

		Alpha 30	Alpha 52	Alpha 146	Alpha 146T	Alpha 258	Alpha 300T	Alpha 430
<b>Heat output</b>	kW	35	60	170	170	300	350	500
<b>Heat output</b>	k/Cal	30,000	52,000	146,000	146,000	258,000	301,000	430,000
<b>Air volume - high</b>	m <sup>3</sup> /s	0.6	0.85	3.20	3.20	5.80	6.00	7.80
<b>Air volume - low</b>	m <sup>3</sup> /s	•	•	1.95	1.95	3.40	3.65	4.80
<b>Efficiency</b>	%	91	92	92	92	92	91	92
<b>Fuel consumption</b>	litres/hour	3.90	6.20	18.40	18.40	32.20	40.00	53.50
<b>Fuel tank capacity</b>	litres	•	•	•	998	•	2880-6720	•
<b>Electrical</b>	V-ph-Hz	Dual voltage	Dual voltage	415-3-50	415-3-50	415-3-50	415-3-50	415-3-50
<b>Noise level</b>	dBA	65	62-67	63	63	63	64	65
<b>Duct (dia x qty x length)</b>	mm/qty/m	300x1x20	300x2x30	600x1x180*	600x1x180*	630x1x180*	630x1x180*	630x2x90*

\* Figures quoted are without any return air ducting, quantity and diameter of discharge and return air spigots can be specified

### Applications

Typical applications for the Alpha Range include the following: construction sites, outdoor events and marquees, temporary storage facilities, crop drying, frost protection, warehousing, plant and building refurbishment, process heating, building drying and dehumidification, ship building and refitting, garages, temporary heating within industrial and commercial units, greenhouses and agriculture, in theatre military uses, and very many more...

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