



APEIRON ENERGY

Construction



INNOVATIVE AND QUALITY PRODUCTS

Apeiron Energy is an industry leading provider of innovative equipment, committed to offering exceptional power, temperature control, and safety solutions. As our name suggests, Apeiron prides itself on services and solutions that are guaranteed to maximize your resources through their lasting quality.



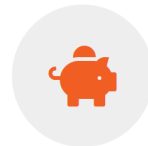
CERTIFIED SOLUTIONS

As the exclusive distributor of Thermobile products in Canada and the U.S, we supply UL and CSA certified, rental-ready, products and systems; engineered to meet the unique demands of your application.



EQUIPMENT ENGINEERING EXPERTISE













Whether a business operates in oil and gas, construction, mining, or the telecommunications industry, those who require power, temperature control or safety solutions for mission critical applications will always choose expert-engineered equipment combined with Apeiron Energy know-how and support.



UNPARALLELED AND COST-EFFECTIVE EFFICIENCY

We supply versatile solutions that operate more efficiently and conserve significantly more energy than traditional products, while also providing unmatched cost-savings as a result. Our leasing and maintenance options also provide peace-of-mind for your unique equipment needs.

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ITA-45

Features

- Equipped with a high pressure pump for diesel or paraffin with a 1-way pipe system (conversion to a 2-way pipe system for connection with separate fuel tank available).
- The ITA Robust version is supplied with a very robust bumper, large ball bearing wheels, forklift slots and tank heating.
- Outlet temperature with ΔT of about 50°C .
- High efficiency heat exchanger (91% Min).

Advantages

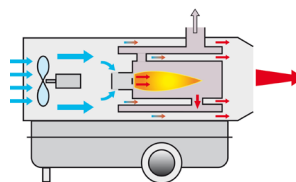
- Durable phosphated body panels with powder coating.
- Maintenance friendly and easy to install and operate.
- Large fuel tank for at least 16 hours of operation.
- Air hoses can be mounted in order to supply heat to specific areas.

Applications

- Storage of flower bulbs without risk of harmful ethylene emission.
- Heating of greenhouses and polytunnels without risk of harmful CO_2 and CO emission.
- Heating of construction sites, tents, showrooms halls, warehouses and workshops.
- Drying of agricultural produce, construction - and renovation projects.

Working principle

Indirect diesel fired heater that produces 100%, clean and dry, warm air by blowing air alongside a heat exchanger with a powerful axial fan.



Technical specifications

ITA SERIES	45	75	400
Heat output (Btu/hr)	154.000	240.000	400.000
Approx. fuel consumption (gal/hr)	1.20	1.85	2.60
Heated airflow (CFM)	1.850	2.350	3.350
Flue connection Ø (Inch)	16	16	20
Power	120/60HZ	120/60HZ	120/60HZ
Run time on full tank (hr)	17	17	24
Outlet cone Ø (Inch)	6	7	7.8
Max. duct length	60	80	60
Tank capacity (gal.)	21	32	62
Dimensions L*W*H (Inch)	64*24*35	81*25*54	77*37*57
Weight (lbs)	231	289	400



IMA-111 RAD

Features

- Fully automatic burner control with thermostat connection.
- The combustion chamber is heat resistant up to 850°C.
- Equipped with overheat protection and temperature limitation of warm air.
- Supplied with Intercal industrial burner with flow control. Alternative burners available (Riello oil- or gas burner for instance).
- Outlet temperature ΔT of about 47°C.
- The EC fan is equipped with built-in soft starter and phase control as a standard.
- High efficiency heat exchanger (92% Min).

Advantages

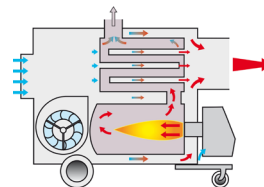
- Maintenance friendly, easy to install and operate.
- Economic thanks to the high efficiency heat exchanger and the possibility of recirculation.
- Can be easily transported.

Applications

- Storage of flower bulbs without risk of harmful ethylene emission.
- Heating of greenhouses and polytunnels without risk of harmful CO₂ and CO emission.
- Heating of construction sites, tents, showrooms halls, warehouses and workshops.
- Drying of agricultural produce, construction - and renovation projects.

Working principle

Indirect diesel fired heater that produces 100%, clean and dry, warm air by blowing air alongside a heat exchanger with a powerful radial fan.



Technical specifications

IMA SERIES	111 OIL	111 GAS	185 OIL	185 GAS
Heat output (Btu/hr)	370.000	370.000	700.000	700.000
Approx. fuel consumption	2.83 GHP	NG: 352 CFH LP: 4.04 GPH	2.83 GPH	NG: 352 CFH LP: 4.04 GPH
Heated airflow (CFM)	5.330	5.330	7.660	7.660
Power	240V/60HZ	240V/60HZ	240V/60HZ	240V/60HZ
Heat rise (ft)	95	95	104	104
Outlet cone Ø (Inch)	20	20	24	24
Max. duct length (ft.)	100	100	150	150
Flue connection Ø (Inch)	8	8	8	8
Dimensions L*W*H (Inch)	87*31*51	87*31*51	107*36*60	107*36*60
Weight (lbs)	728	728	944	944



IMAC-4000

Features

- Equipped with overheat protection, phase control and temperature limitation of warm air.
- Units with EC ventilator and IMAC-4000 are equipped with soft starter.
- Automatic burner control with thermostat connection.
- Supplied with Intercal industrial burner with flow control. Alternative burner available (Riello oil- or gas burner for instance).
- High efficiency heat exchanger (92% Min).
- Outlet temperature ΔT of about 47°C.
- Stainless steel bodywork.

Advantages

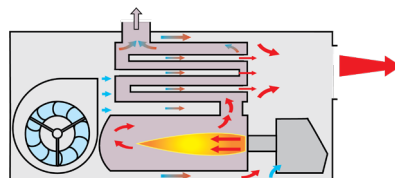
- Easily transportable with box girders and forklift slots.
- Protection against non-professional operation because of the lockable central control box and burner area.
- Maintenance friendly, easy to install and to operate.
- Economic thanks to the high efficiency heat exchanger and the possibility of recirculation.
- Logistic and storage advantages because of its very robust stackable construction.

Applications

- Storage of flower bulbs without risk of harmful ethylene emission.
- Heating of greenhouses and polytunnels without risk of harmful CO₂ and CO emission.
- Heating of construction sites, tents, showrooms halls, warehouses and workshops.
- Drying of agricultural produce, construction - and renovation projects.

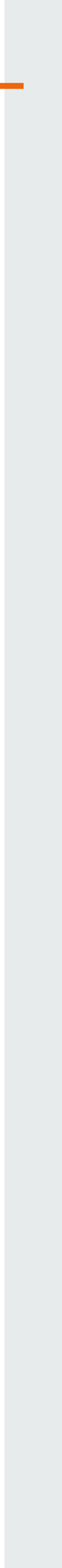
Working principle

Indirect diesel fired heater that produces 100% clean and dry, warm air by blowing air alongside a high efficiency heat exchanger with a powerful radial fan.



Technical specifications

IMAC SERIES	2000S	4000E
Heat output (Btu/hr)	700.000	1.300.000
Approx. fuel consumption	4.85 GPH; NG: 610 CFH LP: 235 CFH	9.5 GPH; NG: 1266 LP: 44.5 GPH
Heated airflow (CFM)	7.060	14.120
Power	1x208- 230V/60HZ	3x208- 230V/60HZ
Heat rise (ft)	120	120
Outlet cone Ø (Inch)	24	2X24
Max. duct length (ft.)	200	200
Flue connection Ø (Inch)	8	10
Dimensions L*W*H (Inch)	95*31*54	151*47*75
Weight (lbs)	1.201	2.100





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