IAQH TEMPORARY HEATING

Reliable temporary heating equipment.

ECO POWER EQUIPMENT

IAQH INDIRECT FIRED HEATERS

Designed for performance at scale.

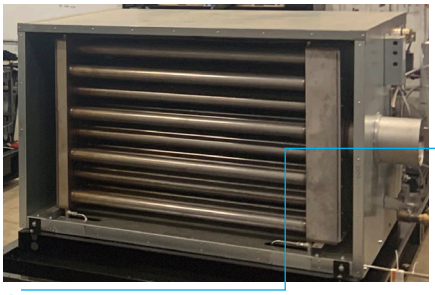
Our IAQH heaters provide a centralized, large-scale heating solution for temporary construction heating. Our units are ideal for hospital, high rise, big-box store, distribution centers, wood frame multi-family low rise, and a wide range of commercial and industrial heating applications.

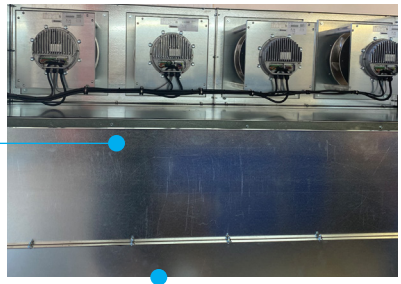
Our systems focus on creating a temporary environment that controls temperature and humidity in the jobsite to optimize the construction environment.

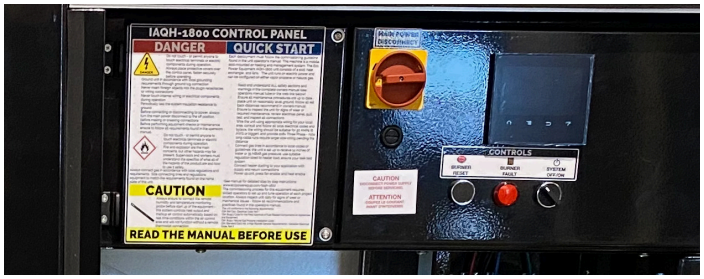
Our modulating type design means you have the horsepower for high output heating but can modulate down to match real-world conditions. We have limited burner cycling, and our control system brings unparalleled uptime, even in extreme cold with challenging power conditions. We can provide constant pressurization and utilize several automatic makeup air strategies depending on locations, altitude, and ambient conditions.

We can control temperature and humidity better and provide to optimize and control internal building environment.

Reliable heating during construction is critical - our system optimizes air quality, machine uptime, and project fuel efficiency.







1 Fan Array System

Backward inclined high output blower system that provides variable fan speed control.

2 Make up air

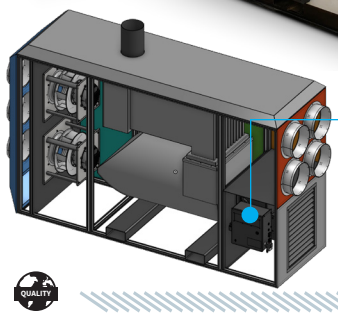
Automated make up air louver options add the capability for filtered fresh air

3 Advanced Sensors

Readout and monitor inlet gas pressure and power voltage on the digital readout, logging of both conditions during operation for advanced diagnostics and troubleshooting

4 Power Flexibility

Control system designed to perform in low and high voltage conditions, we condition all our control power to increase reliability



5 Variable BTU

Our modern burner design allows full 31:1 modulation for high performance in all operating conditions.

Our system is designed to the variability of the real world

DIGITAL, CONNECTED, MODERN, AND RELIABLE CONTROL

The IAQH system provides a modern and reliable control system to manage all aspects of machine operations. We have an industry-leading input voltage range to support the broadest range of applications.

Ready for integration into the IAQ Cloud monitoring platform.

Our heat exchangers include a primary drum and secondary exchange area made of 304L series stainless steel with great care into the design to reduce cracking of welded joints. In addition, 300 series stainless steel is known for its excellent corrosion resistance and can safely operate at high temperatures, which increases its service life.

- The exchanger is equipped with access panels for the inspection and cleaning of the secondaries
- It is installed as to enable the thermal expansion that occurs during the heating cycles of the unit
- Built to perform in fleet conditions for years

Designed to create high performance solutions.

No 2000-001

IAQH TEMPORARY HEATING

Reliable temporary heating equipment.

24h SUPPORT - (888) 483-4843

ECO POWER EQUIPMENT

FEATURES

IAQH Range	**Blower System:**
Prototype and production tested heat exchangers	Backwards inclined blowers with highly efficient EC motors
All doors lockable for theft / vandalism protection	Variable speed operation and soft start technology
Engineered vibration damping system	Rated for operation to as low as 200V, we designed for flexibility
Whisper quiet design with insulated heat exchanger shroud	**Heat Exchanger**
Rugged skid base with fork lift pockets on all sides	304L Stainless Steel Construction
Integrated make up air capabilities	Optical flame sensing technology for accurate / reliable flame sensing
Digital display for all heater measures	Ships load tested and ready for operation
Easy access for routine maintenance, single side controls	Dual point engineered lifting bail
Controls:	Leading controller designed for constant uptime
Touch screen operations, heated control panel	Assembly rated to work in extreme cold weather

DETAILED SPECIFICATIONS	IAQH-1000	IAQH-2200
Max Inlet BTU	1,000,000 BTU/HR, 293 kW	2,200,000 BTU/HR, 527 kW
Max Output BTU	820,000 BTU/HR, 240 kW	1,530,000 BTU/HR, 448 kW
Modulation Range	31:1 Input Range: 32,000 BTU-1,000,000 BTU	31:1 Input Range: 150,000 BTU-1,800,000 BTU
Duct Configuration	2 x 20" Inlet, 2 x 20" Outlet	3 x 20" Outlet, 2 x 20" Return (Optional 24")
System Efficiency	82%	82%
Power Inlet	200-277v Three Phase, 50/60HZ	200-277v Three Phase, 50/60HZ
Recommended Circuit	30 Amp, Three Phase	50 Amp, Three Phase
Full Load Amps	22 amps	38 amps
Heat Exchanger Type	Stainless Steel, 304L, 2 Pass HO Design	Stainless Steel, 304L, 4 Pass Design
Gas Burner Make and Model	Midco V2 Burner	Midco V4 Burner
Compliance	CAN/CGA 1-B-149.1 or 2, UL295	CAN/CGA 1-B-149.1 or 2, UL295
Oil Burner Make and Model	Weishaupt WL30Z-C	Weishaupt WL30Z-C
Compliance	UL 296:2017, CSA B140.2.1	UL 296:2017, CSA B140.2.1
Gas Pressure	10-14 inchs of water column, 25-35 millibar	10-14 inchs of water column, 25-35 millibar
Blower Type	Backwards Inclined Centrifugal Fan Array (2) Blower	Backwards Inclined Centrifugal Fan Array (4) Blowers
Fan Energy Index	AMCA 208-18, Fan Array Type Design with built in redundancy	
EC Type Motor	Less noise vs. VFD powered units increase reliability when operating off temporary power systems	
Volume	10,000 CFM Max Flow, ~8,800 CFM with ducting @ 5.99"WC	20,000 CFM Max Flow; ~15,000 CFM with ducting @ 5.99"WC
Make Up Air System	Manual, Air Inlet Shutter	Automated, Electric Louver
Control Screen Type	4.3", color touch panel with high-resolutions, graphical interface	
PID Control	Robust algorithm for temperature and fan control to reduce fuel consumption and protect heat exchanger	
Temp Sensing	Highly reliable Thermocouple Type Sensor	
Operating Temperature Rating	Storage or Operating -40C to 85C, Heated Control System, VAV System	
Control System Compliance	UL®, FM, CE, RoHS, W.E.E.E., NEMA 4X/IP65	
Modem Network Options	Bell Canada or Telus or Verizon	
Lifting Design and Skid	2 Point, ASME BTH-1 and B3.20 for Below-The-Hook Lifting Devices, Fork Pockets all directions, lift bumpers integrated	
Dimensions (LxWxH)	111" x 34.5" x 68"	130" x 98" x 92" / 3.3m x 2.5m x 2.3m
Weight*	2435 lbs / 1106 KG	7127 lbs / 3139 KG

Reference to ISO 52016-1:2017, barometric pressure 100 kPa, temperature 0 ° C, humidity 55%