



**AEROTECH
HERMAN
NELSON**
INTERNATIONAL INC.

AEROTECH HERMAN NELSON

HPL Series

Heat | Power | Light

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Based in Winnipeg, MB, Canada, Aerotech Herman Nelson International Inc. manufactures and supplies commercial stand-alone clean air indirect fired and flameless heaters used in industrial sectors such as aviation, oil & gas, and construction and mining.

Our military roots ensure strict engineering across all our product categories. Today, we're truly a global company, supplying governments, businesses and industries on all five continents.

INDIRECT HEAT
FLAMELESS HEAT
RECIRCULATING HEAT

CHECK OUT THE INVENTORY BY VISITING US ONLINE
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**AEROTECH
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INTERNATIONAL INC.

BUILT FOR THE TOUGHEST CLIMATES

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BT400 NEX SERIES
400,000 BTU/h



FLAMELESS HEATER

HPL 600-D7
588,000 BTU/h



FROST FIGHTER

BT BLAZE SERIES
RECIRCULATING HEAT



FLAGRO



**AEROTECH
HERMAN
NELSON**
INTERNATIONAL INC.

WE HAVE BEST TEAM !

In business in Winnipeg, Canada since 1973 – Aerotech Herman Nelson International Inc. fosters a safe and caring work environment for its employees. We take pride in the products we manufacture and sell. The wide diversity, talent and experience of our staff have been a key element in our success as a business. We've expanded from our original markets to include the needs of new and changing industries never dreamed of by our company founders. Today, we're truly a global company, supplying governments, businesses and industries on all five continents.

PROUD, DEDICATED & LOYAL STAFF.

We offer services in English, Korean, Cantonese, Mandarin, Polish, Spanish and Tegalo.



HPL Series

Heat/Power/Light

The HPL 600D7 Temporary heater is the ideal job site heater for many industries. This indirect diesel heater combines three essential appliances into one portable solution. It is best suited for applications requiring indirect-fired heat to operate in remote locations that do not have access to electricity, heat or Light. Highly reliable and built to withstands Canada's coldest winters; this unit can operate under the most severe conditions.



Recirculating Indirect Air Heater BT BLAZE 600D TURBO

The onboard construction heater is a BT Blaze 600D Turbo, which has a temperature range of 150°F (65.56°C) – 250°F (121.11°C). This temporary construction heater delivers 588,000 BTU's of hot clean air at volumes of 5500 CFM and capable of 4" of static pressure. The indirect fired heater has air recirculation capabilities that allow the unit to discharge hot air up to 150ft from the location where the heat is required and can recirculate air up to 50ft.

MQ POWER 7000

Additionally, placed within this temporary heater is a dependable and efficient job site power generator, the MQ Power 7000. This generator built into the HPL 600 D7 delivers reliable power in a compact sound attenuated package.

The size of this generator makes it ideal for construction, standby or industrial applications.

Some noteworthy features include the AC Output 7kW maximum, 6kW continuous. An hour meter to track the usage and maintenance intervals accurately. A dependable Tier 4 Final Kubota Diesel engine and full-panel GFCI protection compliant with OSHA and NEC regulations. Lastly, this generator has a full power switch, which provides the operator with a balanced output under changing loads.



L.E.D Light Tower

The HPL 600D7 construction heater comes outfitted with high-performance LED lights attached to a light tower that extends up to 23ft into the air. The intense bright Light produced can be focused and repositioned to suit your lighting needs. The advanced LED Technology and proprietary optics distribute the Light to the target area in a prescribed manner. This technology creates sites with incredible uniformity and visual comfort white requiring fewer lumens. The LED lights have a corrosive resistant powder-coated finish stainless steel hardware, and chlorine resistant treated gasket.

HPL Series
Heat/Power/Light



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PORTABLE SELF-CONTAINED INDIRECT RECIRCULATING AIR HEATER WITH LED LIGHT TOWER

Heating Capacity	588,000
Maximum Air Delivery Rate	5,500 CFM (Optionals 6,500 CFM)
Fuel Capacity	90 U.S Gallons (341 L) with Containment Pan
Fuel Type	Diesel No. 7 or No. 2 Kerosene Furnace Oil
Maximum Fuel Consumption	4.8 GPH @ Full Output
Nozzle	2.75 GPH
Pump Pressure	175 psi
Static Pressure	3.0" w.c (Optional 3.6" w.c)
Fan Motor	1HP
Ignition	Electric
Ductability	150 ft Discharge - 50 ft Inlet
Burner	Beckett CF800
Engine	Kubota Z482 Tier 4F in MQ 7000 7 kW Generator - Electric Start
Outlet Duct	2 x 12" or 1 x 16" Diameter Outlet Plus 2 x 12" or 1 x 16" Inlet
Run Time	19 Hours at 100% Load (connection to external fuel cell available)
Electrical	120 - 240 VAC / 1PH / 6 kW
Heat Rise	240 °F
Hitch Setup	2 5/16" Ball Hitch or Pintle
Weight (dry with trailer)	2,600 lb
Dimensions	135" L x 95" W x 108" H

The HPL 600D7 indirect fired heater is ideal for all applications that require job sites to have portable clean hot air, job site lighting, and electrical power. This Indirect Fired Heater removes the need for multiple pieces of equipment.

WE ARE PROUD TO SERVE OUR CUSTOMERS DEMAND

This indirect fired heater, titled The HPL 600D7, is our “All-In-One” heat plant, which offers the performance of a commercial indirect fired heater with the versatility and convenience of a high-performance retractable LED light tower and diesel power generator.

The HPL600 D7 indirect fired diesel heater provides 588,000 BTUs of heat at 5500 CFM and 3" S.P., 7 kW of power, and “instant-on” lighting that surpasses metal halides in every possible way.

The on-board indirect fired diesel heater comes fully equipped with air Re-circulation capabilities, which yields significant fuel savings.

Standard safety features include full containment, external emergency stop, 3-color roof-mounted status beacon, and available flammable gas detection, and DOT approved all-aluminum HD trailer.



OPTIONS & ACCESSORIES

- Four 300 watt LED Lighting panels provides 168,000 lumens
- Pintle Hitch in lieu of 2-5/16" ball hitch
- Plug in remote thermostat with 50 ft of cable
- Skid mounting option (No Trailer)
- Combustible Gas Detection Sensor with full shutdown
- 16" dia single outlet and inlet duct size available in lieu of double 12" dia.
- High performance flexible inter-connectable ducting
- GPS package
- Insulated Ducting



RECIRCULATING INDIRECT AIR HEATER

Full recirculation capability with two 12" ducts on discharge and two ducts on inlet offering dramatic fuel savings.

High static pressure fan allows for up to 150 ft. of discharge ducting (up to 200 ft. with available 650 CFM 4" S.P. fan) allows unit to be conveniently placed or remain at a safe distance from combustibles or hazardous areas.

Ultra high air volumes heat areas quickly and provide fast air changes for excellent drying characteristics.

Stainless steel high efficiency heat exchanger.

Beckett CF burner high capacity provides constant reliability with readily available maintenance parts.

Low power consumption of 11.4 A for (600K BTU model) puts less demand on generator allowing more surplus power.

HEATER SPECIFICATIONS

HEATING CAPACITY	588,000 BTU/h	172.3 kW
HEATED AIR OUTPUT	5500 CFM	9345 m ³ /h
STATIC PRESSURE	3" W.C.	0.75 kPa
HEAT RISE	240°F	116°C
FUEL USAGE	4.2 gal/h max.	15.9 L/h Max.
DUCTING SIZE	2 x 12" Outlets plus 2 x 12" inlets (1 x 16" Outlet plus 1 x 16" Inlet is available)	

LED LIGHTING MODULE

BRIGHTER LIGHTS, LOWER REQUIREMENTS

Ultra low power requirements for less power demand and more available generator surplus power. Unaffected by outdoor temp.

IP-66 Ingress protection rating provides complete protection from water and dust intrusion with extremely high shock resistance.

Lifespan of 80,000h to 100,000h requires no replacement of bulbs.

Instant on/off with no warm up or re-strike wait times.

Optimized colour temperature and wavelength provides more available usable light than 4800 watts of metal halide.

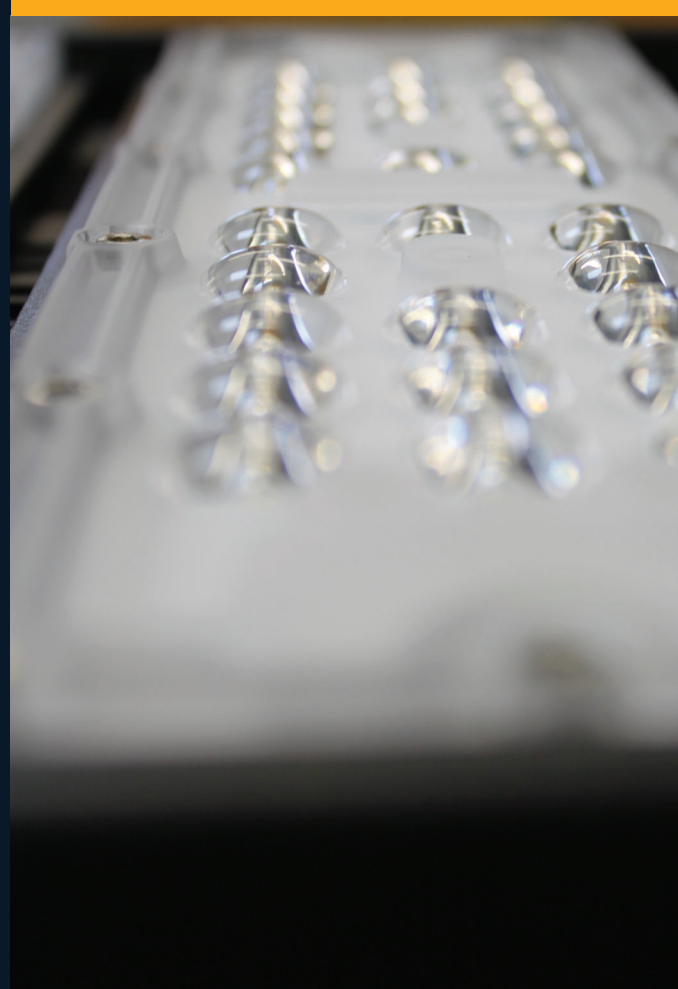
Quick detach four section light tower extends up to 23 ft. approximately 6 ft. retracted. Fully adjustable lighting direction.

LIGHTING TYPE

Two or four 200 W or 300 W Ultra-high output industrial grade LED Panels.

POWER CONSUMPTION LIGHT QUALITY

Maximum 1200 W with four 300 W panels. 5000 K to 6500 K colour temperature. Luminance efficiency of 140 lm/W produces over 168,000 lm (4x300W)





POWER SUPPLY

MQ POWER 7000

DA7000 Commercial Duty direct coupled with liquid cooled 2 cyl. Tier 4F Kubota Diesel

POWER OUTPUT

7kW Standby - 6 kW continuous (prime) 120/240 VAC 60Hz. 1 PH

OUTPUTS

- L14-30R 120/240V
- CS6369 240V Twist Lock
- L5-20R 120V
- 5-20R 120V Duplex

FUEL TYPE

ASTM-D975 No. 1 & No. 2 D

FUEL USAGE

0.55 gal/h (2.1 L/h) at 3/4 load.

THE RIGHT SPECIFICATIONS FOR YOUR POWER NEEDS

12 Volts electric start with charging circuit

Voltmeter & Hour meter - CSA approved

Low oil pressure/High coolant temperature engine shutdown protection

Engine block heater for extreme cold conditions with exterior single point connection to outside power.

TRAILER, ENCLOSURE & FUEL SYSTEM

TRAILER TYPE

All aluminum construction Transport Canada approved with 3500 lb torsion axle, electric brakes and ST205/75R15 LRD tires. Height adjustable 2-5/16" ball hitch or pintle. Top crank tongue jack and bottom mounted integral fork pockets.

ENCLOSURE

Industrial powder coated steel enclosure with large slide through duct/accessory storage and lockable access compartment doors with catches. Enclosure has fully removable service access panels and the entire unit can be removed from the trailer for skid or deck mounting. Top mounted lifting rings and 4 corner bolting plates with D-ring downs. Four integral swivel mounts for stabilizer jacks.

SAFETY

Exterior mounted one button emergency shut down 110% full safety containment with external drain selectable 3 color LED roof beacon indicates generator operation, heater operation & low fuel levels. Exterior mounted 10 lb (BC rated) fire extinguisher

FUEL CAPACITY

90 gal (US) poly fuel tank, USCB/ABYC H-24 passed & EPA approved with fuel sender & remote fuel level gauge. Provides up to 26hr run times with heat and up to 180hr with lighting/surplus power only. *Provision available for connecting to remote fuel cells for extended run periods.

FUEL FILTRATION

Tigerloop ULTRA fuel de-aerator with F100-10 spin on 10 micron filter with Temro strap heater and power supply.



APPROX. TOTAL DRY WEIGHT

2610 lb (1186 kg) with light tower

DIMENSIONS

W: 95" (241.3 cm) max.

L: 135" (342.9 cm)

H: 85" (215.9 cm) - 108" (274.3 cm) with light tower installed (retracted position)

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*Run times based on heater operating with a 75% heating load and lighting/surplus only rating with generator operating at 75% load. Lighting only operation can deliver run times of over 200 hours.



2021

**NOT ALL HEATERS ARE
BUILT EQUALLY**

INDUSTRIES WE SERVICE

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GET IN TOUCH

Based in Winnipeg, Canada, AEROTECH HERMAN NELSON INTERNATIONAL manufactures commercial stand-alone heaters used in industrial sectors like aviation oil & gas and construction.

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