Hazloc Heaters™



LIH

Light-Industrial
Electric Unit Heater
For General Purpose Locations

www.HazlocHeaters.com

Hazloc Heaters™ ***is a manufacturer of industrial-grade unit heaters, exhaust fans, and accessories for hazardous and severe-duty locations.***



The **LIH** light-industiral electric air heaters are engineered to meet the demanding requirements of light industrial and commercial environments. The operating conditions require heating equipment that is safe, reliable, dependable, and available when you need it. **LIH** unit heaters are designed for maximum heating performance and to provide primary or supplementary heating of people or equipment in non-hazardous and non-corrosive environments.

Designed for light industrial use and improved performance!

All **Hazloc Heaters™ LIH** models are **designed to meet U.S. and Canadian certification standards**. The three housing sizes of **LIH** heaters are available in **77 model choices** of voltage and heat output combinations to meet your specific requirements. Numerous factory built-in options are also available for added convenience and safety and all models have fused circuits.

The rugged and versatile **LIH** heater incorporates high quality tubular elements, high performance fan and motor assembly, and sturdy powder coated steel housing and inlet/outlet grilles. The high air flow and air throw, up to 55 feet (17 m), promotes air circulation within the space. Uniform temperature increases comfort levels and helps eliminate cold spots.

Applications!

LIH heaters are suitable for a wide variety of applications that include, but are not limited to, warehouses, control room skids, power generation stations, hoist houses, factories, pump houses, maintenance shops, stairwells, entryways, as well as garages. With option (MD), they are also suitable for mining and water treatment applications.



Rugged design, but easily maintained!

LIH heaters are designed for light-industrial applications with all features being **medium-duty** to meet your most demanding environments and long-life expectations. The 18-gauge steel cabinet construction has been designed for easy installation and field servicing. All components and the motor are factory-wired to a single terminal block for field wiring, eliminating the chance for field error and reducing installation costs. This heater will reduce downtime and maintenance costs normally experienced in heaters of standard design.

Maximum durability... rugged, circular, tubular elements!



The **LIH** series of heaters uses concentric circular type stainless steel tubular elements (brazed steel fins on steel tube for 15 to 60 kW models) for **maximum durability and longer life** in demanding applications. The design of the unit heater provides uniform airflow over the elements to prevent hot spots and ensure even discharge temperatures.

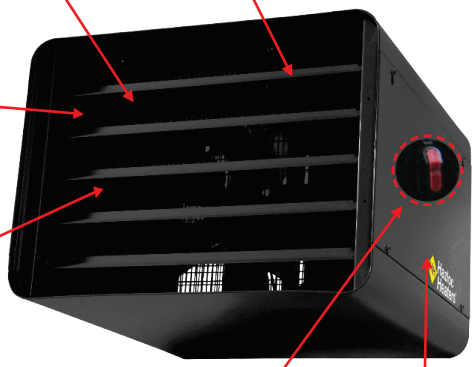
Dedicated to Performance and Reliability!

Concentric circular elements provide a longer life due to lower operating temperatures

Adjustable outlet louvers to direct air flow

OSHA compliant protective screen allows for minimum horizontal mounting height

Standard automatic reset high-limit temperature control. Secondary manual reset high-limit available



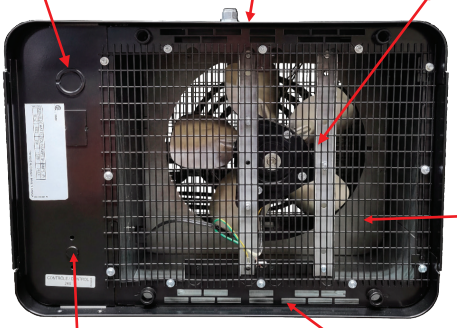
Optional door interlocking disconnect

Electrical enclosure houses element terminals and built-in controls and options

Knockouts for field wiring connections

Black semi-gloss epoxy/polyester powder coat paint

Thermally protected motor with permanently lubricated ball bearings mounted in a heat-controlled cabinet for long life. Factory fan delay purges residual heat.



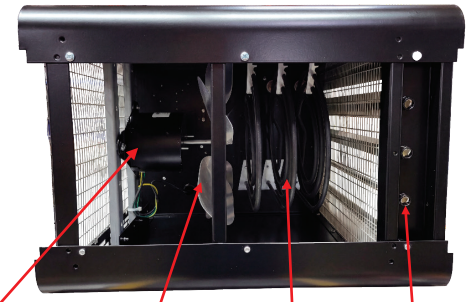
OSHA compliant rear intake grille prevents injury

Location of optional thermostat with 0 to 5 dial

18 and 20-gauge steel construction for durability

Left-Side View

Motor in Cold Section



Motor

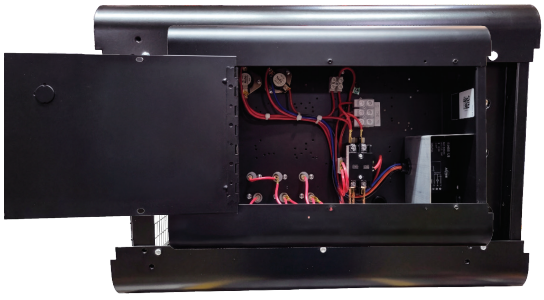
Fan

Heating Elements

Louvers

Right-Side View

Electrical Enclosure



Large electrical enclosure with built-in controls includes automatic reset overtemperature cutout, controlling contactor, transformer for control circuit (if required), and terminal block for field wiring. Heater, fan motor and controls are all connected to the same branch circuit. All models have a fan delay which is a thermal cutout attached to the element. Multiple built-in control options are available.

LIH Model Coding

Heater Model Code & Option Codes

Base Model Code								Option Codes
LIH	–	100	–	480	3	60	– NL	-T-D40-, etc.

Model Series

Power Output		
2 kW	020	Small cabinet size
3 kW	030	Small cabinet size
4 kW	040	Small cabinet size
5 kW	050	Small cabinet size
7.5 kW	075	Small cabinet size
10 kW	100	Small cabinet size
15 kW	150	Medium cabinet size
20 kW	200	Medium cabinet size
25 kW	250	Medium cabinet size
30 kW	300	Medium cabinet size
40 kW	400	Large cabinet size
50 kW	500	Large cabinet size
60 kW	600	Large cabinet size

Heater Line Voltage	
208 Volts	208
240 Volts	240
277 Volts	277
347 Volts	347
480 Volts	480
600 Volts	600

Phase	
1 Phase	1
3 Phase	3

	Factory Built-in Option Codes	
Dial range: 0 to 5; 0 is OFF position	T	Built-in room thermostat
Not available with SCCR	D40	40 Amp disconnect switch
Not available with SCCR	D80	80 Amp disconnect switch
Not available with SCCR	D100	100 Amp disconnect switch
	3P	Triple-pole contactor
	24R	24-volt relay
	24RT	24-volt relay with transformer
	120	120-volt control circuit
	SF	Summer fan switch
	SFR	Summer Fan Relay 240V, remote control (switch not included)
	ES [1]	Sealed electric element
	MD	Mine duty
	FYNL	Painted Fan Blade
	MR	Manual reset high limit
Not available with disconnect switch	SCCR1 [2]	Fuse protected for 100kA
Not available with disconnect switch	SCCR2 [2]	Fuse protected for 100kA
Not available with disconnect switch	SCCR3 [2]	Fuse protected for 100kA

Epoxy/Polyester Powder Paint Colour	
NL	Black Semi-gloss

Frequency	
60	60 Hz

[1] The “sealed element” increases the reliability in humid environments. It does not completely eliminate the leakage currents of metal sheathed heating elements. Longer lead times may apply.

[2] Short-Circuit Current Rating (SCCR). SCCR1: 100kA protection using standard class CC fuses and fuses holder (15 and 30A fuses). Field wiring needs fork terminals. SCCR2: 100kA protection using class J high-speed fuse 60A BUS-DFJ-60 (60A), single phase protected with 2 fuses. SCCR3: 100kA protection using class J high-speed fuse 60A BUS-DFJ-60 (60A), 3 phases with at least 3 fuses protection. Refer to Page 7 for availability by model.



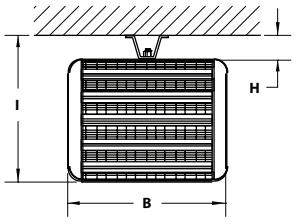
LIH Heater with Mine Duty Operation (MD)

LIH Specifications by Model Size

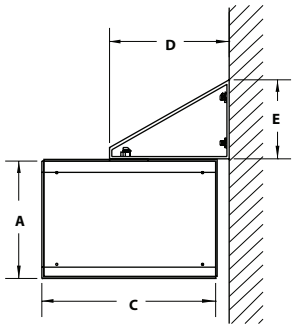
Dimensions & Weights		kW		
		2 to 10	15 to 30	40 to 60
Horizontal Mounting	"A" in. (mm)	12.17 (309)	17.48 (444)	23.03 (585)
	"B" in. (mm)	16.49 (419)	21.89 (556)	25.23 (641)
	"C" in. (mm)	17.04 (432)	22.52 (572)	34.25 (870)
	"D" in. (mm)	14.06 (357)	18.50 (470)	-
	"E" in. (mm)	11.42 (290)	16.02 (407)	-
Vertical Mounting	"F" in. (mm)	19.29 (490)	24.80 (630)	36.38 (924)
	"G" in. (mm)	12.00 (305)	12.00 (305)	12.00 (305)
Horizontal Mounting	"H" in. (mm)	4.84 (123)	8.53 (148)	12.00 (305)
	"I" in. (mm)	16.85 (428)	23.31 (592)	35.04 (890)
Minimum horizontal mounting height	Canada ft. (mm)	2 (610)	2 (610)	8 (2438)
	USA ft. (mm)	6 (1829)	6 (1829)	8 (2438)
Maximum recommended horizontal mounting height	ft. (mm)	8 (2438)	10 (3048)	15 (4572)
Approximate Air Throw	Horizontal mounting ft. (mm)	30 (9144)	45 (13716)	55 (16764)
	Vertical mounting ft. (mm)	27 (8230)	42.5 (12344)	49.5 (15087)
Noise Level	dBA	58	67	77
Approximate Weight	Net lbs (kg)	45 (20)	85 (39)	150 (68)
	Shipping lbs (kg)	49 (22)	93 (42)	166 (75)
Shipping Package Dimensions	in. (depth x width x height) (mm)	18.75 x 18 x 16.25 (457 x 457 x 406)	24 x 23.75 x 22.75 (610 x 585 x 559)	28 x 35.75 x 31 (711 x 889 x 787)
Mounting Kits	Wall and ceiling mounting kits are included and allow 360° rotation, except for 40–60 kW models, which are ceiling-mounted only and secured by four L-bracket suspension hooks..			

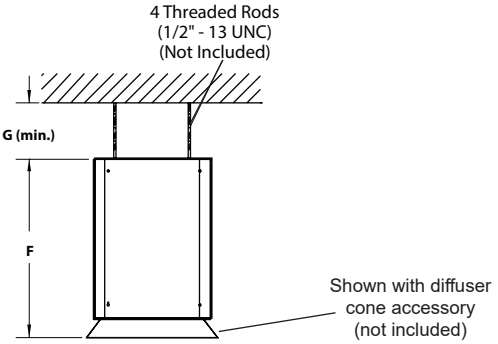
Note: Not for residential use in the USA

LIH Physical Dimensions



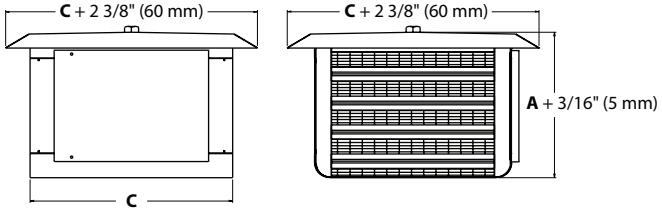
Horizontal Mounting



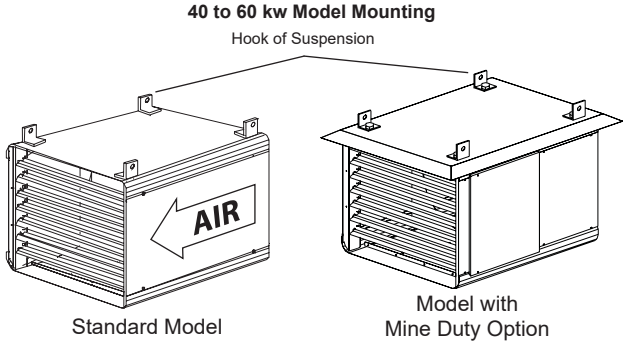


Vertical Mounting
(except mine duty option - MD)

Mine Duty Option (MD)



40 to 60 kw Model Mounting



Standard Model

Model with
Mine Duty Option

LIH General Specifications

Approvals	Certification	cCSAus - Certified to Canadian and U.S. standards. Master contract # 609652.
Cabinet	Housing Material	18-gauge steel.
	Inlet Grille	20-gauge steel.
	Outlet Grille	20-gauge steel adjustable louvers. Protective screen meets OSHA requirements and allows for minimum horizontal mounting height.
	Control Enclosure	18-gauge steel. Houses element terminals and built-in controls that are all connected to the same branch circuit. Single terminal block for field wiring.
	Paint	Black semi-gloss epoxy/polyester powder coat paint.
	Fasteners	Zinc-plated steel and stainless steel.
	Mounting Bracket	Wall & ceiling mounting kits included that allow for 360° rotation, except for 40 to 60 kW, which are ceiling only secured by four L-Bracket hooks of suspension.
Motor/Fan	Motor Type	Totally enclosed with built-in thermal protection and permanently lubricated ball bearings, except for 15 to 25kW at 208/240V. Motor is mounted in heat controlled compartment.
	Fan Blade	Aluminum. Three-blade or five-blade depending on kW size.
Heating Elements	Material	For 2 to 10 kW, the elements are stainless steel sheath without fins. For 15 to 60 kW, the elements are steel sheath with brazed steel fins. Concentric disposition of elements.
Protection	Temperature High Limits	One automatic reset overtemperature cutout. For a secondary manual reset overtemperature cutout, select option code (MR).
Controls	Fan Delay	Allows fan to purge residual heat from heater after heat demand has stopped.
	Control Circuit	Factory-installed contactor and 240/208V control circuit is standard (with transformer if required). 24V relays,120V control circuit and built-in thermostat options available.
Factory Built-in Options	Room Thermostat	Dial with “0 to 5”. Range: 40 to 90°F (4 to 32°C) . Select option code (T). Hazloc heaters recommends to use a wall thermostat for greater comfort. Any remote thermostat or relay must be connected to the heater control terminal block.
	Disconnect Switch	Main supply power door interlocking disconnect located on door of control enclosure. Not available with SCCR option. Select option code (D40, D80 or D100) based on model. Refer to Page 7.
	Triple-pole Contactor	Select option code (3P). Required for remote mount thermostat.
	24-volt Relay	Select option code (24R). Required for remote mount thermostat.
	24-volt Relay with Transformer	Select option code (24RT).
	120-volt Control Circuit	Replaces standard 240/208V circuit. Select option code (120).
	Summer Fan Switch	Select option code (SF).
	Summer fan relay 240V, remote control	Switch not included. Select option code (SFR).
	Sealed Electric Element	The “sealed element” increases the reliability in humid environments. It does not completely eliminate the leakage currents of metal sheathed heating elements. Select option code (ES). Longer lead times may apply.
	Mine Duty	Includes drip shield, sealed wiring compartment, hinged door with neoprene gasket, element delay on ON cycle (fan delay on OFF cycle), heavy duty 18-gauge grille and double pole contactor. Select option code (MD). Not suitable for vertical air projection application.
	Painted Fan Blade	Fan blade with black semi-gloss epoxy/polyester powder paint. Select option code (FYNL).
	Manual Reset High Limit	Secondary high-limit temperature control. Select option code (MR).
	SCCR	Short-Circuit Current Rating. SCCR1: 100kA protection using standard class CC fuses and fuses holder (15 and 30A fuses). Field wiring needs fork terminals. SCCR2: 100kA protection using class J high-speed fuse 60A BUS-DFJ-60 (60A), single phase protected with 2 fuses. SCCR3: 100kA protection using class J high-speed fuse 60A BUS-DFJ-60 (60A), 3 phases with at least 3 fuses protection. Not available with disconnect switch option. Select option code (SCCR1, SCCR2 or SCCR3) based on model code availability. Refer to Page 7.
Operating Limits	Ambient Temperature	Operating: 14 to 85°F (-10 to 30°C). These air heaters are designed for comfort heating and freeze protection and should not be used in ambient temperatures exceeding the maximum limit. Storage: -22 To 104°F (-30 to 40°C).

Accessories

Item	2 to 10 kW	15 to 30 kW	40 to 60 kW
Diffuser Cone (vertical mount only)	**LIH-CD1NL**	**LIH-CD2NL**	**LIH-CD3NL**
Built-in Thermostat (0 to 5 dial)	**KIT-LIH-T** (if built-in thermostat option code **(T)** is not ordered with heater)		
24-volt Relay	**KIT-LIH-24R** (if relay option code **(24R)** is not ordered with heater)		
24-volt Relay with Transformer	**KIT-LIH-24RT** (if relay option with transformer code **(24RT)** is not ordered with heater)		
Remote Wall Thermostat	**OTH24-V2*** (24VAC low voltage, non-programmable electronic thermostat. Temp range: 5°C to 36°C (41°F to 97°F))		

(*) 24R or 24RT built-in option required to operate remote thermostat

LIH Heater Performance Data

kW (btu/hr)	Line Volts	Phase Ø	Total Current Amps (†)	MCA [1] (For cable and disconnect)	MOP [2] (For breaker)	Approximate Air Temp. Rise		Motor		Air Volume		Built-in Disconnect Switch Option Codes Δ		SCCR Option Codes	Model See Page 4 to complete model coding
						°C	°F	HP	RPM	CFM	m³/hr	Canada	USA		
2 (6824)	208	1	10.32	12.90	15	7	13	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-020-208160-NL *
	240	1	9.03	11.30	15	7	13	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-020-240160-NL *
	277	1	7.92	9.91	15	7	13	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-020-277160-NL *
	347	1	6.46	8.08	15	7	13	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-020-347160-NL *
	600	1	4.03	5.04	15	7	13	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-020-600160-NL *
	208	3	6.25	7.83	15	7	13	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-020-208360-NL *
	480	3	3.11	3.89	15	7	13	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-020-480360-NL *
	600	3	2.62	3.29	15	7	13	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-020-600360-NL *
3 (10236)	208	1	15.12	18.91	20	10	18	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-030-208160-NL *
	240	1	13.20	16.50	20	10	18	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-030-240160-NL *
	277	1	11.53	14.43	15	10	18	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-030-277160-NL *
	347	1	9.35	11.68	15	10	18	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-030-347160-NL *
	600	1	5.70	7.13	15	10	18	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-030-600160-NL *
	208	3	9.03	11.29	15	10	18	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-030-208360-NL *
	480	3	4.23	5.29	15	10	18	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-030-480360-NL *
	600	3	3.59	4.45	15	10	18	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-030-600360-NL *
4 (13649)	208	1	19.93	24.93	25	14	25	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-040-208160-NL *
	240	1	17.37	21.71	25	14	25	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-040-240160-NL *
	277	1	15.14	18.94	20	14	25	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-040-277160-NL *
	347	1	12.23	15.28	20	14	25	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-040-347160-NL *
	600	1	7.37	9.21	15	14	25	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-040-600160-NL *
	208	3	11.80	14.76	15	14	25	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-040-208360-NL *
	480	3	5.51	6.90	15	14	25	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-040-480360-NL *
	600	3	4.55	5.69	15	14	24	1/30	1550	510	866	D40 Δ	D40 Δ	SCCR1	LIH-040-600360-NL *
5 (17061)	208	1	24.74	30.93	35	13	23	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR2	LIH-050-208160-NL *
	240	1	21.53	26.93	30	13	23	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR1	LIH-050-240160-NL *
	277	1	18.75	23.45	25	13	23	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR1	LIH-050-277160-NL *
	347	1	15.11	18.89	20	13	23	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR1	LIH-050-347160-NL *
	600	1	9.03	11.30	15	13	23	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR1	LIH-050-600160-NL *
	208	3	14.58	18.23	20	13	23	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR1	LIH-050-208360-NL *
	240	3	12.73	15.91	20	13	23	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR1	LIH-050-240360-NL *
	480	3	6.71	8.40	15	13	23	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR1	LIH-050-480360-NL *
	600	3	5.51	6.90	15	13	23	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR1	LIH-050-600360-NL *
7.5 (25591)	208	1	36.76	45.95	50	19	34	1/30	1550	700	1189	D40 Δ	D80 Δ	SCCR2	LIH-075-208160-NL *
	240	1	31.95	39.94	40	19	34	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR2	LIH-075-240160-NL *
	277	1	27.78	34.73	35	19	34	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR2	LIH-075-277160-NL *
	347	1	22.31	27.89	30	19	34	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR1	LIH-075-347160-NL *
	600	1	13.20	16.50	20	19	34	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR1	LIH-075-600160-NL *
	208	3	21.52	26.90	30	19	34	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR1	LIH-075-208360-NL *
	240	3	18.74	23.44	25	19	34	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR1	LIH-075-240360-NL *
	480	3	9.72	12.16	15	19	34	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR1	LIH-075-480360-NL *
	600	3	7.92	9.90	15	19	34	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR1	LIH-075-600360-NL *
10 (34121)	208	1	48.78	60.98	70	25	45	1/30	1550	700	1189	D80 Δ	D80 Δ	N/A	LIH-100-208160-NL *
	240	1	42.37	52.96	60	25	45	1/30	1550	700	1189	D80 Δ	D80 Δ	SCCR2	LIH-100-240160-NL *
	347	1	29.52	36.90	40	25	45	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR2	LIH-100-347160-NL *
	600	1	17.37	21.71	25	25	45	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR1	LIH-100-600160-NL *
	208	3	28.46	35.58	40	25	45	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR3	LIH-100-208360-NL *
	240	3	24.76	30.95	35	25	45	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR3	LIH-100-240360-NL *
	480	3	12.73	15.91	20	25	45	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR1	LIH-100-480360-NL *
	600	3	10.32	12.91	15	25	45	1/30	1550	700	1189	D40 Δ	D40 Δ	SCCR1	LIH-100-600360-NL *
15 (51182)	208	1	73.15	91.44	100	20	36	1/8	1550	1300	2209	D100 Δ	D100 Δ	N/A	LIH-150-208160-NL *
	240	1	63.60	79.50	80	20	36	1/8	1550	1300	2209	D80 Δ	D80 Δ	N/A	LIH-150-240160-NL *
	600	1	25.00	31.25	35	19	34	1/3	1725	1400	2379	D40 Δ	D40 Δ	SCCR2	LIH-150-600160-NL *
	208	3	42.71	53.39	60	20	36	1/8	1550	1300	2209	D80 Δ	D80 Δ	SCCR3	LIH-150-208360-NL *
	240	3	37.12	46.40	50	20	36	1/8	1550	1300	2209	D80 Δ	D80 Δ	SCCR3	LIH-150-240360-NL *
	480	3	18.92	23.66	25	19	34	1/3	1725	1400	2379	D40 Δ	D40 Δ	SCCR1	LIH-150-480360-NL *
	600	3	15.31	19.15	20	19	34	1/3	1725	1400	2379	D40 Δ	D40 Δ	SCCR1	LIH-150-600360-NL *
20 (68246)	240	1	84.43	105.55	110	27	49	1/8	1550	1300	2209	N/A	N/A	N/A	LIH-200-240160-NL *
	600	1	33.33	41.67	45	25	45	1/3	1725	1400	2379	D80 Δ	D80 Δ	SCCR2	LIH-200-600160-NL *
	208	3	56.60	70.76	80	27	49	1/8	1550	1300	2209	D80 Δ	D80 Δ	SCCR3	LIH-200-208360-NL *
	240	3	49.21	61.53	70	27	49	1/8	1550	1300	2209	D80 Δ	D80 Δ	N/A	LIH-200-240360-NL *
	480	3	24.94	31.18	35	25	45	1/3	1725	1400	2379	D40 Δ	D40 Δ	SCCR3	LIH-200-480360-NL *
	600	3	20.13	25.16	30	25	45	1/3	1725	1400	2379	D40 Δ	D40 Δ	SCCR1	LIH-200-600360-NL *
25 (85308)	240	1	105.21	135.51	150	34	61	1/8	1550	1300	2209	N/A	N/A	N/A	LIH-250-240160-NL *
	600	1	42.55	53.19	60	31	56	1/3	1725	1400	2379	D80 Δ	D80 Δ	SCCR2	LIH-250-600160-NL *
	208	3	70.45	88.07	90	34	61	1/8	1550	1300	2209	D100 Δ	D100 Δ	N/A	LIH-250-208360-NL *
	240	3	61.22	79.53	80	34	61	1/8	1550	1300	2209	D80 Δ	D80 Δ	N/A	LIH-250-240360-NL *
	480	3	30.95	38.70	40	31	56	1/3	1725	1400	2379	D40 Δ	D40 Δ	SCCR3	LIH-250-480360-NL *
	600	3	24.94	31.18	35	31	56	1/3	1725	1400	2379	D40 Δ	D40 Δ	SCCR3	LIH-250-600360-NL *
30 (102364)	480	3	36.97	46.21	50	38	68	1/3	1725	1400	2379	D80 Δ	D80 Δ	SCCR3	LIH-300-480360-NL *
	600	3	29.75	37.19	40	38	68	1/3	1725	1400	2379	D40 Δ	D40 Δ	SCCR3	LIH-300-600360-NL *
40 (136486)	480	3	49.71	62.15	70	35	63	3/4	1140	2000	3398	D80 Δ	D80 Δ	N/A	LIH-400-480360-NL *
	600	3	39.84	49.80	50	35	63	3/4	1140	2000	3398	D80 Δ	D80 Δ	SCCR3	LIH-400-600360-NL *
50 (170607)	480	3	61.73	77.17	80	44	79	3/4	1140	2000	3398	D80 Δ	D80 Δ	N/A	LIH-500-480360-NL *
	600	3	49.46	61.84	70	44	79	3/4	1140	2000	3398	D80 Δ	D80 Δ	N/A	LIH-500-600360-NL *
60 (204728)	480	3	73.90	92.24	100	53	95	3/4	1140	2000	3398	D100 Δ	D100 Δ	N/A	LIH-600-480360-NL *
	600	3	59.09	73.86	80	53	95	3/4	1140	2000	3398	D80 Δ	D80 Δ	N/A	LIH-600-600360-NL *

- All models have fused circuits.

(†) Total Amps = Heating element amps and motor amps.

(Δ) The disconnect switch option cannot be used with the Short-Circuit Current Rating (SCCR) option. For the U.S. market only, the nominal current rating of the unit must not exceed 80% of the capacity of the disconnect.

(NA) Factory Installed SCCR Option is not available for these models. It requires the installation of an external fused Safety Switch (Supplied by others).

(*) Refer to Page 4 for Factory Built-in Option codes to complete entire model code for ordering.

([1]) MCA (Minimum Circuit Ampacity) is the smallest allowable wire size for installation.

([2]) MOP (Maximum Overcurrent Protection) is the largest allowable fuse or circuit breaker for installation.

Additional Products Available

Hazloc Heaters™ offers a wide variety of steam/hydronic air heaters, explosion-proof electric air heaters, washdown/corrosion resistant heaters, general purpose air heaters, explosion-proof exhaust fans, air sensing thermostats, disconnect switches, and other related accessories.

Please visit www.HazlocHeaters.com and click on the Products link.



Limited Warranty

Hazloc Heaters™ warrants all **LIH** series of light-industrial electric heaters against defects in materials and workmanship under normal conditions of use for a period of thirty-six (36) months from date of purchase, based on the following terms:

1. The heater must not be modified in any way.

2. The heater must be stored, installed and used only in accordance with the owner's manual and attached data plate information.

3. Replacement parts will be provided free of charge as necessary to restore any unit to normal operating condition, provided that the defective parts be returned to us freight prepaid and that the replacement parts be accepted freight collect.

4. The complete heater may be returned to our manufacturing plant for repair or replacement (at our discretion), freight charges prepaid and return charges collect.

5. Contamination by dirt, dust, etc. or corrosion will not be considered as defects.

6. This warranty shall be limited to the actual equipment involved and, under no circumstances, shall include or extend to installation or removal costs, or to consequential damages or losses.

Hazloc Heaters™

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