



## Explosion Proof Heaters & Thermostats

### XPEH Series Heaters & Thermostats

#### Available in 50 and 60 Hz Models

- )= NEC Approved Heaters
- )= UL, FM or CSA Listed
- )= NEC Temperature codes T1 to T3B
- )= Heating Capacities from 6,140 to 119,825 BTU/HR
- )= Available in floor, wall or Ceiling Mounted Units Options include Thermostats, and Disconnect items Factory Installed



**N.E.C. Rated and Approved**  
**Safe Air Technology**

*Offering The Keys to Success: Quality, Pricing and On Time Delivery*

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**Please Review**

The following listing will help you select the correct heater model numbers. Please note that heaters for use in hazardous locations require one of the following specifications:  
 Class I or II, Groups B,C,D,E,F or G and Division 1 or 2.

You will additionally need to determine the minimal gas ignition temperature of the evaporator or dust and select the correct NEC Code Number for that element.

A partial list of potential hazardous materials and the NEC Temperature Code are shown in the table below.

Additional information can be found in the NFPA 497M and Article 500-5002 of NFPA 70 NEC or contact our Sales Engineering Department for further assistance.

**Description**

XPEH– Series Explosion Proof Electric Heaters are available in different styles to meet your heating requirements.

CXP– Convection heaters, for wall and floor installations. Capacities range from 6,000 to 27,510 BTU/HR. These systems can include Thermostats and Disconnects, factory installed.

LXP– Heaters are equipped with ethylene glycol/ water mixture heat transfer substance in a sealed, liquid to air heat exchanger. Capacities range from 24,300 to 87,210 BTU/HR.

TSXP Thermostats, HSXP Humidistats and DSXP Disconnect Switches are available from our factory installed.

**Hazardous Atmospheres (Partial Listing)**

Class & Group	NEC T-No.	Minimum Gas Ignition Temperature		Atmosphere
		°C	°F	
I-B	T1	520	968	Hydrogen
I-D	T1	630	999	Methane
I-D	T1	498	928	Benzene
I-D	T1	480	896	Toluene
I-D	T1	472	882	Vinyl Chloride
I-D	T1	472	882	Ethane
I-D	T1	465	869	Acetone
I-D	T1	450	842	Propane
I-D	T1	404	759	Methyl Ethyl Ketone
I-D	T2	402	756	Vinyl Acetate
I-D	T2	399	750	2- Propanol
I-D	T2	350	662	Methyl Ether
I-A	T2	305	581	Acetylene
I-D	T2A-T1	280-471	536-880	Gasoline
I-D	T2A	288	550	Butane
I-D	T2A	288	550	N-Decanol
I-D	T2B	277	531	Naptha (Coal Tar)
I-C	T2B	260	500	Hydrogen Sulfide
I-D	T2C	243	470	Pentane
I-D	T2D	225	437	Hexane
I-D	T3	210	410	Kerosene
I-D	T3	206	403	Octane
I-C	T3C	160	320	Diethyl Ether
II-E	T2C-T1	240-830	464-1526	Metal Powders
II-G	T2	380	716	Polyethylene Powder
II-G	T2C-T3A	190-250	374-482	Grain Dust
II-G	T3A	180	356	Charcoal
II-G	T3B	170	338	Coal (Pittsburg)

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## Wall or Floor Mounting Convention Heaters

- )= UL or FM Listed for NEC Class I, Groups B, C and D, Division 1 and 2
- )= Capacities are available in a range from 1.8 to 7.5 KW (please contact factory should you require a capacity that is not listed)
- )= Thermostat and Disconnect Switches are factory installed
- )= Finned Tubular Heaters are standard on all models
- )= Rugged Duty Housings are standard on all models
- )= Resets for Thermally Cutout can be automatic or manual reset (please specify at time of order)

Model XPEH	Ident No.	KW	BTU/H	VAC/PH	AMPS	Height	Width	Depth	Weight
CXP-120/1-6200-***	T3	1.8	6,200	120/1	15.0	23-0/0	39-0/0	8-0/0	151
CXP-208/1-6200-***	T3	1.8	6,200	208/1	8.7	23-0/0	39-0/0	8-0/0	151
CXP-240/1-6200-***	T3	1.8	6,200	240/1	7.5	23-0/0	39-0/0	8-0/0	151
CXP-208/3-6200-***	T3	1.8	6,200	208/3	5.1	23-0/0	39-0/0	8-0/0	151
CXP-240/3-6200-***	T3	1.8	6,200	240/3	4.4	23-0/0	39-0/0	8-0/0	151
CXP-208/1-10235-***	T2B	3.0	10,235	208/1	14.5	23-0/0	39-0/0	8-0/0	155
CXP-240/1-10235-***	T2B	3.0	10,240	240/1	12.5	23-0/0	39-0/0	8-0/0	155
CXP-208/3-10235-***	T2B	3.0	10,240	208/3	8.4	23-0/0	39-0/0	8-0/0	155
CXP-240/3-10235-***	T2B	3.0	10,240	240/3	7.3	23-0/0	39-0/0	8-0/0	155
CXP-480/3-10235-***	T2B	3.0	10,240	480/3	3.7	23-0/0	39-0/0	8-0/0	155
CXP-208/1-12300-***	T3	3.6	12,300	208/1	17.4	23-0/0	68-0/0	8-0/0	203
CXP-240/1-12300-***	T3	3.6	12,300	240/1	15.0	23-0/0	68-0/0	8-0/0	203
CXP-208/3-12300-***	T3	3.6	12,300	208/3	10.1	23-0/0	68-0/0	8-0/0	203
CXP-240/3-12300-***	T3	3.6	12,300	240/3	8.7	23-0/0	68-0/0	8-0/0	203
CXP-460/3-12300-***	T3	3.6	12,300	480/3	4.4	23-0/0	68-0/0	8-0/0	203
CXP-240/1-15390-***	T2C	4.5	15,390	240/1	18.8	23-0/0	68-0/0	8-0/0	206
CXP-240/3-15390-***	T2C	4.5	15,390	240/3	10.9	23-0/0	68-0/0	8-0/0	206
CXP-480/3-15390-***	T2C	4.5	15,390	240/3	5.5	23-0/0	68-0/0	8-0/0	206
CXP-208/3-20500-***	T2B	6.0	20,500	208/3	16.7	23-0/0	68-0/0	8-0/0	206
CXP-240/3-20500-***	T2B	6.0	20,500	240/3	14.5	23-0/0	68-0/0	8-0/0	206
CXP-460/3-20500-***	T2B	6.0	20,500	480/3	7.3	23-0/0	68-0/0	8-0/0	206
CXP-208/3-26650-***	T2	7.5	25,650	208/3	20.9	23-0/0	68-0/0	8-0/0	206
CXP-240/3-26650-***	T2	7.5	25,650	240/3	18.1	23-0/0	68-0/0	8-0/0	206
CXP-480/3-26650-***	T2	7.5	25,650	480/3	9.1	23-0/0	68-0/0	8-0/0	206

1. Please contact our Sales Engineering Department for heater options that may not be listed.
2. Dimensions subject to change.
3. Factory installed thermostats are available.
4. For Group B, Contact Sales Engineering Department for details.
5. All models are UL or FM LISTED for hazardous locations classified NEC Class I, Groups B, C & D, Division 1 and 2
6. When you require 3-phase systems with 24 volt controls Contact Sales Engineering Department for details.



**NEC Class I, Groups B, C and D, Class II, Groups E, F and G, Divisions 1 and 2**

Model	Type	VAC	AMP Load
<b><u>Used for Air Conditioning and Heating Systems</u></b>			
TXP-H1-2521	Heat only, 36° - 82°F (2° - 28°C)	125-480	22.0
TXP-1S-NFC-2522	Heat or Cool (No Fan Control)	125-480	22.0
TXP-C1/FC-2520	1-Stage Cool W/ Fan Control	24-277	22.0
TXP-H1-C1-FC-1101	1 Stage Heat/ Cool W/ Fan Control	24-277	22.0
TXP-C2-2620	2 Stage Cool W/ Fan Control	24-277	22.0
TXP-H2/C2-2620	2 Stage Heat/ Cool W/ Fan Control	24-277	22.0
<b><u>Used for coolers and Freezers</u></b>			
TXP-C1-2080	20° - 80°F (-7°—27°C)	24-277	22.0      6' Capillary Line

**Explosion Proof Humidistats**

**NEC Class I, Groups C and D, Class II, Groups E, F and G, Divisions 1 and 2**

Model	Range	Set Point	VAC	AMPS
HXP-HC-1090-1	10-90	1	120	5
HXP-HC-1090-2	10-90	1	240	5

- )= TXP-25 series thermostat controls can be factory installed on all heater models.
- )= 3- position selector switch includes "off", "Fan", and "Cool".
- )= 4-position selector switch includes "off", "Fan", and "Cool" and "Heat".
- )= For Group "B" Rated thermostats contact factory for pricing.

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## Liquid Forced Air Heaters

- )= UL and CSA listed for NEC Class I, Groups C, D and Class II, Groups E, F, and G, Divisions 1 and 2
- )= Capacities from 3 to 35 KW
- )= Rugged Duty steel Coated Housing
- )= Sealed heater coil assembly
- )= Adjustable for Directional air flow
- )= NEC Approved Explosion Proof Motor installed
- )= Easily accessible Terminal Enclosure
- )= Built-in Explosion Proof Thermostat (optional)

Model XPEH	Ident No.	KW	BTU/H	°F Rise	VAC/PH	AMPS	Height	Width	Depth	Weight
LFXP-208/1-10320-***	T3B	3.0	10,320	20	208/1	15.5	18-1/2	24-1/2	23	152
LFXP-208/3-10320-***	T3B	3.0	10,320	20	208/3	8.8	18-1/2	24-1/2	23	152
LFXP-240/1-10320-***	T3B	3.0	10,320	20	240/1	13.7	18-1/2	24-1/2	23	152
LFXP-240/3-10320-***	T3B	3.0	10,320	20	240/3	7.5	18-1/2	24-1/2	23	152
LFXP-480/3-10320-***	T3B	3.0	10,320	20	480/3	3.7	18-1/2	24-1/2	23	152
LFXP-208/3-17050-***	T3B	5.0	17,050	31	208/3	14.4	18-1/2	24-1/2	23	151
LFXP-240/3-17050-***	T3B	5.0	17,050	31	240/3	12.7	18-1/2	24-1/2	23	151
LFXP-480/3-17050-***	T3B	5.0	17,050	31	480/3	6.4	18-1/2	24-1/2	23	151
LFXP-208/3-25610-***	T3B	7.5	25,610	27.5	208/3	28.3	18-1/2	24-1/2	23	151
LFXP-240/3-25610-***	T3B	7.5	25,610	27.5	240/3	24.7	18-1/2	24-1/2	23	151
LFXP-480/3-25610-***	T3B	7.5	25,610	27.5	480/3	12.9	18-1/2	24-1/2	23	151
LFXP-208/3-34150-***	T3B	10.0	34,150	37.2	208/3	28.6	18-1/2	24-1/2	23	151
LFXP-240/3-34150-***	T3B	10.0	34,150	37.2	240/3	24.9	18-1/2	24-1/2	23	151
LFXP-480/3-34150-***	T3B	10.0	34,150	37.2	480/3	12.9	18-1/2	24-1/2	23	151
LFXP-208/3-51220-***	T3B	15.0	51,220	27.4	208/3	41.1	22-1/2	28-1/2	23	175
LFXP-240/3-51220-***	T3B	15.0	51,220	27.4	240/3	36.2	22-1/2	28-1/2	23	175
LFXP-480/3-51220-***	T3B	15.0	51,220	27.4	480/3	18.1	22-1/2	28-1/2	23	175
LFXP-480/3-68350-***	T3B	20.0	68,350	36.2	480/3	24.2	22-1/2	28-1/2	23	179
LFXP-480/3-85325-***	T3B	25.0	85,325	22.1	480/3	30.3	26-1/2	32-1/2	23	211
LFXP-480/3-102350-***	T3B	30.0	102,350	26.3	480/3	36.3	26-1/2	32-1/2	23	211
LFXP-480/3-119510-***	T3B	35.0	119,510	28.1	480/3	42.3	26-1/2	32-1/2	23	211

1. Dimensions are subject to change. Request certified dimensions at time of order.
2. Also available in 50 Hertz models. Contact factory for 50 Hertz Model Numbers.

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