

G Series Industrial Catalytic Heater



The Cata-Dyne™ G Series infrared gas catalytic heater is designed for use in non-hazardous heating applications such as infrared drying and curing ovens. It is fitted with a patented high temperature catalyst pad, operates on either natural or propane fuel and is available in a wide variety of cabinet sizes.

Applications

The large surface area of the Cata-Dyne™ heater allows for efficient transfer of infrared heat that can be used in a variety of applications including:

- facility space heating
- process heating
- freeze protection
- comfort heating for personnel
- ovens (refer to the DriQuik™ catalog)

Features

- all major components produced in our own facilities.
- patented catalyst manufactured in our Edmonton, Alberta facility
- preheat tubular element manufactured in our Orillia, Ontario facility
- multiple Btu input ratings and a variety of standard heater sizes available
- offered in a variety of preheat voltages
- natural gas (NG) or propane (LPG) configurations
- choice of manual control or electronic control options (refer to DriQuik™ catalog)
- multiple heater mounting bracket configurations available
- heater contains no moving parts and is designed to operate indefinitely when supplied with air and clean fuel
- internal heater components such as our proprietary catalyst pad and preheat tubular element are manufactured in-house

Certifications

- G Series (high performance hot catalytic heater) certified by Canadian Standards Association (CSA) and Factory Mutual (FM) and (European standards) for non- hazardous area applications

See TABLE 3 on page 14 for fuel & electrical ratings.

**TABLE 3 - Fuel and Electrical Rating Data
G Series CSA and FM**

MODEL NO.	Maximum Gas Input		Minimum Gas Input		Maximum Gas Flow				Start-Up Amperage								
	BTU/hr (kW)		BTU/hr (kW)		CFH		m ³ /hr		12V	120V	208V	240V	380V	480V	600V		
	Natural Gas & Propane		Natural Gas	Propane	Natural Gas	Propane	Natural Gas	Propane									
G6x6	1,500	(0.440)	500	(0.147)	375	(0.110)	1.5	0.6	0.0425	0.0170	7.1	0.7	~	0.4	~	~	
G6x12	3,000	(0.879)	1,000	(0.293)	750	(0.220)	3.0	1.2	0.0850	0.0340	7.1	0.7	~	0.4	~	~	
G6x24	6,000	(1.758)	2,000	(0.586)	1,500	(0.440)	6.0	2.4	0.1699	0.0680	15.0	2.1	1.2	1.0	~	~	
G8x8	2,667	(0.782)	900	(0.264)	700	(0.205)	2.7	1.1	0.0755	0.0302	7.1	0.7	~	0.4	~	~	
G10x12	5,000	(1.465)	1,700	(0.498)	1,250	(0.366)	5.0	2.0	0.1416	0.0566	15.0	2.1	1.2	1.0	~	~	
G12x12	6,000	(1.758)	2,000	(0.586)	1,500	(0.440)	6.0	2.4	0.1699	0.0680	15.0	2.1	1.2	1.0	~	~	
G12X24	12,000	(3.517)	4,000	(1.172)	3,000	(0.879)	12.0	4.8	0.3398	0.1359	30.0	4.2	2.4	2.1	~	1.5	0.9
G12x36	18,000	(5.275)	6,000	(1.758)	4,500	(1.319)	18.0	7.2	0.5097	0.2039	~	5.0	2.9	2.5	1.6	1.3	1.0
G12x48	24,000	(7.034)	8,000	(2.345)	6,000	(1.758)	24.0	9.6	0.6796	0.2718	30.0	6.7	3.9	3.3	2.1	1.7	1.3
G12x60	30,000	(8.792)	10,000	(2.931)	7,500	(2.198)	30.0	12.0	0.8495	0.3398	45.0	10.4	6.0	5.2	3.3	2.6	2.1
G12x72	36,000	(10.551)	12,000	(3.517)	9,000	(2.638)	36.0	14.4	1.0194	0.4078	~	12.1	7.0	6.0	3.8	3.0	2.4
G18x24	18,000	(5.275)	6,000	(1.758)	4,500	(1.319)	18.0	7.2	0.5097	0.2039	30.0	4.2	2.4	2.1	~	1.5	~
G18x30	22,500	(6.594)	7,500	(2.198)	5,625	(1.649)	22.5	9.0	0.6371	0.2549	~	~	~	~	~	1.5	~
G18x36	27,000	(7.913)	9,000	(2.638)	6,750	(1.978)	27.0	10.8	0.7646	0.3058	~	10.0	5.8	5.0	3.2	2.5	2.0
G18x48	36,000	(10.551)	12,000	(3.517)	9,000	(2.638)	36.0	14.4	1.0194	0.4078	~	13.3	7.7	6.7	4.2	3.3	2.7
G18x60	45,000	(13.188)	15,000	(4.396)	11,250	(3.297)	45.0	18.0	1.2743	0.5097	~	20.8	12.0	10.4	6.6	5.2	4.2
G18x72	54,000	(15.826)	18,000	(5.275)	13,500	(3.956)	54.0	21.6	1.5291	0.6116	~	24.2	14.0	12.1	7.6	6.0	4.8
G24x24	24,000	(7.034)	8,000	(2.345)	6,000	(1.758)	24.0	9.6	0.6796	0.2718	30.0	4.2	2.4	2.1	~	1.5	~
G24x30	30,000	(8.792)	10,000	(2.931)	7,500	(2.198)	30.0	12.0	0.8495	0.3398	30.0	4.2	2.4	2.1	~	1.5	~
G24x36	36,000	(10.551)	12,000	(3.517)	9,000	(2.638)	36.0	14.4	1.0194	0.4078	~	10.0	5.8	5.0	3.2	2.5	2.0
G24x48	48,000	(14.067)	16,000	(4.689)	12,000	(3.517)	48.0	19.2	1.3592	0.5437	~	13.3	7.7	6.7	4.2	3.3	2.7
G24x60	60,000	(17.584)	20,000	(5.861)	15,000	(4.396)	60.0	24.0	1.6990	0.6796	~	20.8	12.0	10.4	6.6	5.2	4.2
G24x72	72,000	(21.101)	24,000	(7.034)	18,000	(5.275)	72.0	28.8	2.0388	0.8155	~	24.2	14.0	12.1	7.6	6.0	4.8

TABLE 4 - WXS Slim Line Series FM Only

MODEL NO.	Maximum Gas Input		Minimum Gas Input		Maximum Gas Flow				Start-Up Amperage				
	BTU/hr (kW)		BTU/hr (kW)		CFH		m ³ /hr		12V	120V	240V		
	Natural Gas & Propane		Natural Gas	Propane	Natural Gas	Propane	Natural Gas	Propane					
WXS6x6	1,750	(0.513)	583	(0.171)	438	(0.128)	1.8	0.7	0.0496	0.0198	7.1	0.7	0.4
WXS6x12	3,500	(1.025)	1,167	(0.342)	875	(0.256)	3.5	1.4	0.0991	0.0396	7.1	0.7	0.4
WXS6x24	7,000	(2.050)	2,333	(0.684)	1,750	(0.513)	7.0	2.8	0.1982	0.0793	15.0	2.1	1.0
WXS8x8	3,111	(0.911)	1,037	(0.304)	778	(0.228)	3.1	1.2	0.0881	0.0352	7.1	0.7	0.4
WXS10x12	5,833	(1.709)	1,944	(0.570)	1,458	(0.427)	5.8	2.3	0.1652	0.0661	15.0	2.1	1.0
WXS12x12	7,000	(2.050)	2,333	(0.684)	1,750	(0.513)	7.0	2.8	0.1982	0.0793	15.0	2.1	1.0
WXS12x24	14,000	(4.101)	4,667	(1.368)	3,500	(1.026)	14.0	5.6	0.3964	0.1586	30.0	4.2	2.0