



CATALYTIC INDUSTRIAL SYSTEMS HEATER SPECIFICATIONS AND STARTUP POWER OPTIONS

Item	Description
A	HEATER PAN
B	DISPERSION TUBE ASSEMBLY
C	DISPERSION SCREEN
D	1" INSULATION
E	ELECTRIC HEATER ELEMENT
F	0.25" INSULATION
G	CATALYST
H	STAINLESS STEEL FACE SCREEN

NOT LABELED: Safety Valve, Thermocouple, Explosion Proof Junction Box

HEATER SPECIFICATION

Heater Size	BTUH	CU FT/HR		Height		Width		Depth		Weight Lbs
		NG	LP	IN	MM	IN	MM	IN	MM	
12X36	18000	18.0	7.2	12.12	307.8	36.12	917.4	6.5	165.1	23
12X48	24000	24.0	9.6	12.12	307.8	48.12	1222.2	6.5	165.1	38
12X60	30000	30.0	12.0	12.12	307.8	60.12	1527.0	6.5	165.1	42
12X72	36000	36.0	14.4	12.10	307.3	77.25	1962.2	6.5	165.1	46
18X36	28000	28.0	11.2	18.12	460.2	36.12	917.4	6.5	165.1	40
18X48	37000	37.0	14.8	18.12	460.2	48.12	1222.2	6.5	165.1	50
18X60	45000	45.0	18.3	18.12	460.2	60.12	1527.0	6.5	165.1	55
24X48	50000	50.0	20.0	24.12	612.6	48.12	1222.2	6.5	165.1	62
24X60	60000	60.0	24.4	24.12	612.6	60.12	1527.0	6.5	165.1	68
24X72	72000	72.0	28.8	24.12	612.6	77.25	1962.2	6.5	165.1	89

Table 1: CIS catalytic heater dimensions; other sizes, and BTU output options available

HEATER STARTUP POWER OPTIONS

Heater Model	Voltage (AC)/Amperage per Heater						
	120	208	240	380	415	480	575
12X36	3.13	3.60	3.12	N/A	N/A	1.56	N/A
12X48	8.33	4.80	4.16	2.38	2.60	2.08	1.73
12X60	10.41	6.00	5.20	2.96	3.01	2.60	2.17
12X72	12.50	7.21	6.25	3.55	3.85	3.12	2.60
18X36	10.00	5.76	5.00	N/A	N/A	2.50	N/A
18X48	12.50	7.20	6.24	3.56	3.85	3.32	2.60
18X60	15.82	9.12	7.90	4.47	4.93	3.94	3.30
24X48	16.66	9.60	8.32	4.76	5.20	4.16	3.46
24X60	20.82	12.00	10.40	5.92	6.02	5.20	4.34
24X72	25.00	14.42	12.50	7.10	7.78	6.24	5.20

Table 2: CIS catalytic heater power requirements