



300# Flanged Immersion Heaters - Type IF

Applications:

60 and 45 Watts Per Square Inch

For heating clean water only in commercial and/or residential applications.

30 and 35 Watts Per Square Inch

For Fuel Gas , low temperature air and gas heating

23 and 20 Watts Per Square Inch

For heat transfer oil, cleaners, high temperature air and gas heating.

15 and 12 Watts Per Square Inch

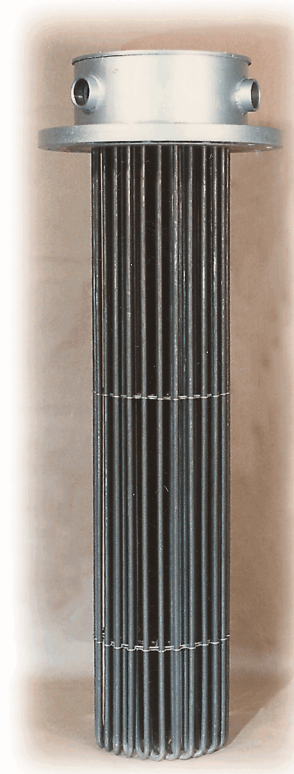
For lubricating oils, medium viscosity oils, high temperature air and gas heating.

8 and 6 Watts Per Square Inch

For #5 and #6 fuel oil heating, viscous materials, raw crude oil, residual oils, high temperature air and gas heating.

4 and 2 Watts Per Square Inch

For asphalt and other hard-to-heat substances, extra high temperature air and gas.



Standard Features:

Heating Elements

Alloy 800 (UNS08000) Sheath Material
Heavy Wall (.035 In.)
Larger Diameter (.475" OD)
Sealed Terminals

Spacer/Support

High Temperature Alloy Material
Rugged Design
"Evenflow" Configuration

Construction

Welded Heating Elements
Welded Terminal Housing

Service

Wiring Modifiable in Field
Assembly repairable at Factory

Optional Features

Terminal Housings

-ER Explosion Resistant
-LT Liquid Tight
-GP General Purpose

Flange Materials

Carbon Steel	Low Temp Carbon Steel
304SS (L/H)	316SS (L/H)
Inconel 600 / 625	Alloy 800
Hastelloy C	Others

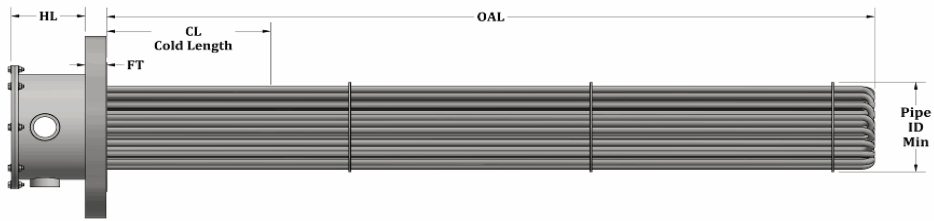
Sensors

Type J,K,E Thermocouples
100 Ohm RTD's
Simplex or Duplex
Optional Tube Wells

Certifications

CSA	UL
ATEX	IEC eX
CRN	

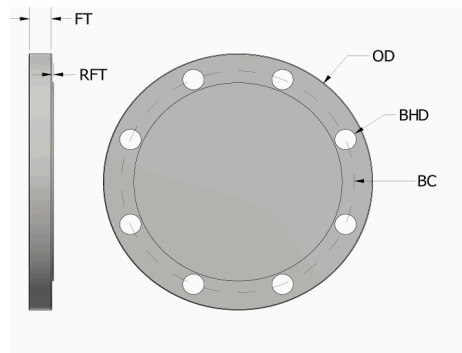
Heater Dimensional Drawing Data



Housing Dimensions (HL)

<u>Diameter</u>	<u>GP</u>	<u>LT</u>	<u>ER</u>	<u>Atex/IEC ex</u>
2.50	2.63	2.63	5.50	7.00
3.00	2.63	2.63	5.50	7.00
4.00	5.50	5.50	6.50	8.00
5.00	5.50	5.50	6.50	9.00
6.00	5.50	5.50	8.00	11.00
8.00	5.50	5.50	9.00	11.00
10.00	7.00	7.00	11.00	11.00
12.00	7.00	7.00	11.00	11.00
14.00	7.00	7.00	11.00	11.50
16.00	9.00	9.00	13.00	11.50
18.00	9.00	9.00	13.00	11.50
20.00	9.00	9.00	13.00	11.50
24.00	11.00	11.00	15.00	11.50

Flange Dimensional Drawing Data



<u>Dia</u>	<u>OD</u>	<u>FT</u>	<u>RFT</u>	<u>BC</u>	<u>BHD</u>	<u>Q BH</u>
2.50	7.50	0.94	0.06	5.88	0.88	8.00
3.00	8.25	1.06	0.06	6.63	0.88	8.00
4.00	10.00	1.19	0.06	7.88	0.88	8.00
5.00	11.00	1.31	0.06	9.25	0.88	8.00
6.00	12.50	1.38	0.06	10.63	0.88	12.00
8.00	15.00	1.56	0.06	13.00	1.00	12.00
10.00	17.50	1.81	0.06	15.25	1.13	16.00
12.00	20.50	1.94	0.06	17.75	1.25	16.00
14.00	23.00	2.06	0.06	20.25	1.25	20.00
16.00	25.50	2.19	0.06	22.50	1.38	20.00
18.00	28.00	2.31	0.06	24.75	1.38	24.00
20.00	30.50	2.44	0.06	27.00	1.38	24.00
24.00	36.00	2.69	0.06	32.00	1.63	24.00

300# Flanged Immersion Heaters - Type IF

60 Watts/Sq. Inch

3 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
3F3N18B4D3H3	7.50	3	480	1	9	17.75	3.69	2.9000	1.13
3F3N20B4D3H3	8.63	3	480	1	10	19.75	3.69	2.9000	1.13
3F3N25B2D3H3	11.50	3	240	1	28	25.25	3.69	2.9000	1.13
3F3N25B4D3H3	11.50	3	480	1	14	25.25	3.69	2.9000	1.13
3F3N33B2D3H3	15.00	3	240	1	36	32.75	3.69	2.9000	1.13
3F3N33B4D3H3	15.00	3	480	1	18	32.75	3.69	2.9000	1.13
3F3N38B4D3H3	18.00	3	480	1	22	38.25	5.69	2.9000	1.13
3F3N36B4D3H3	19.25	3	480	1	23	35.75	3.69	2.9000	1.13
3F3N43B4D3H3	20.00	3	480	1	24	42.75	5.69	2.9000	1.13
3F3N52B4D3H3	25.00	3	480	1	30	51.75	5.69	2.9000	1.13
3F3N57B4D3H3	25.00	3	480	1	30	56.75	10.69	2.9000	1.13
3F3N61B4D3H3	30.00	3	480	1	36	61.25	5.69	2.9000	1.13
3F3N68B4D3H3	30.00	3	480	1	36	68.25	12.69	2.9000	1.13

4 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
4F6N18B4D3H3	15.00	6	480	1	18	17.63	3.56	3.8260	1.25
4F6N20B4D3H3	17.25	6	480	1	21	19.63	3.56	3.8260	1.25
4F6N25B2D3H3	23.00	6	240	2	55	25.13	3.56	3.8260	1.25
4F6N25B4D3H3	23.00	6	480	1	28	25.13	3.56	3.8260	1.25
4F6N33B2D3H3	30.00	6	240	2	72	32.63	3.56	3.8260	1.25
4F6N33B4D3H3	30.00	6	480	1	36	32.63	3.56	3.8260	1.25
4F6N38B4D3H3	36.00	6	480	1	43	38.13	5.56	3.8260	1.25
4F6N36B4D3H3	38.50	6	480	1	46	35.63	3.56	3.8260	1.25
4F6N43B4D3H3	40.00	6	480	1	48	42.63	5.56	3.8260	1.25
4F6N52B4D3H3	50.00	6	480	2	60	51.63	5.56	3.8260	1.25
4F6N57B4D3H3	50.00	6	480	2	60	56.63	10.56	3.8260	1.25
4F6N61B4D3H3	60.00	6	480	2	72	61.13	5.56	3.8260	1.25
4F6N68B4D3H3	60.00	6	480	2	72	68.13	12.56	3.8260	1.25

5 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
5F9N18B4D3H3	22.50	9	480	1	27	17.50	3.44	4.8125	1.38
5F9N20B4D3H3	26.00	9	480	1	31	19.50	3.44	4.8125	1.38
5F9N25B4D3H3	34.50	9	480	1	41	25.00	3.44	4.8125	1.38
5F9N43B4D3H3	60.00	9	480	3	72	42.50	5.44	4.8125	1.38
5F9N52B4D3H3	75.00	9	480	3	90	51.50	5.44	4.8125	1.38
5F9N57B4D3H3	75.00	9	480	3	90	56.50	10.44	4.8125	1.38
5F9N61B4D3H3	90.00	9	480	3	108	61.00	5.44	4.8125	1.38
5F9N68B4D3H3	90.00	9	480	3	108	68.00	12.44	4.8125	1.38

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
6F12N18B4D3H3	30.00	12	480	1	36	17.44	3.38	5.7610	1.44
6F12N20B4D3H3	34.75	12	480	1	42	19.44	3.38	5.7610	1.44
6F15N18B4D3H3	37.50	15	480	1	45	17.44	3.38	5.7610	1.44
6F12N25B4D3H3	46.00	12	480	2	55	24.94	3.38	5.7610	1.44
6F12N33B4D3H3	60.00	12	480	2	72	32.44	3.38	5.7610	1.44
6F12N38B4D3H3	72.00	12	480	2	87	37.94	5.38	5.7610	1.44
6F12N36B4D3H3	77.25	12	480	2	93	35.44	3.38	5.7610	1.44

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6F12N43B4D3H3	80.00	12	480	2	96	42.44	5.38	5.7610	1.44
6F15N43B4D3H3	100.00	15	480	5	120	42.44	5.38	5.7610	1.44
6F12N52B4D3H3	100.00	12	480	4	120	51.44	5.38	5.7610	1.44
6F12N57B4D3H3	100.00	12	480	4	120	56.44	10.38	5.7610	1.44
6F12N61B4D3H3	120.00	12	480	4	144	60.94	5.38	5.7610	1.44
6F12N68B4D3H3	120.00	12	480	4	144	67.94	12.38	5.7610	1.44
6F15N52B4D3H3	125.00	15	480	5	150	51.44	5.38	5.7610	1.44
6F15N57B4D3H3	125.00	15	480	5	150	56.44	10.38	5.7610	1.44
6F15N61B4D3H3	150.00	15	480	5	180	60.94	5.38	5.7610	1.44
6F15N68B4D3H3	150.00	15	480	5	180	67.94	12.38	5.7610	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
8F18N18B4D3H3	45.00	18	480	2	54	17.25	3.19	7.6250	1.63
8F18N20B4D3H3	52.00	18	480	2	63	19.25	3.19	7.6250	1.63
8F24N18B4D3H3	60.00	24	480	2	72	17.25	3.19	7.6250	1.63
8F18N25B4D3H3	69.25	18	480	2	83	24.75	3.19	7.6250	1.63
8F24N20B4D3H3	69.50	24	480	2	84	19.25	3.19	7.6250	1.63
8F18N33B4D3H3	90.00	18	480	3	108	32.25	3.19	7.6250	1.63
8F24N25B4D3H3	92.25	24	480	4	111	24.75	3.19	7.6250	1.63
8F18N38B4D3H3	108.00	18	480	3	130	37.75	5.19	7.6250	1.63
8F18N36B4D3H3	116.00	18	480	3	140	35.25	3.19	7.6250	1.63
8F24N33B4D3H3	120.00	24	480	4	144	32.25	3.19	7.6250	1.63
8F18N43B4D3H3	120.00	18	480	3	144	42.25	5.19	7.6250	1.63
8F24N38B4D3H3	144.00	24	480	4	173	37.75	5.19	7.6250	1.63
8F18N52B4D3H3	150.00	18	480	6	180	51.25	5.19	7.6250	1.63
8F18N57B4D3H3	150.00	18	480	6	180	56.25	10.19	7.6250	1.63
8F24N36B4D3H3	154.50	24	480	4	186	35.25	3.19	7.6250	1.63
8F24N43B4D3H3	160.00	24	480	4	192	42.25	5.19	7.6250	1.63
8F18N61B4D3H3	180.00	18	480	6	217	60.75	5.19	7.6250	1.63
8F18N68B4D3H3	180.00	18	480	6	217	67.75	12.19	7.6250	1.63
8F24N52B4D3H3	200.00	24	480	8	241	51.25	5.19	7.6250	1.63
8F24N57B4D3H3	200.00	24	480	8	241	56.25	10.19	7.6250	1.63
8F24N61B4D3H3	240.00	24	480	8	289	60.75	5.19	7.6250	1.63
8F24N68B4D3H3	240.00	24	480	8	289	67.75	12.19	7.6250	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
10F30N18B4D3H3	75.00	30	480	2	90	17.00	2.94	9.7500	1.88
10F36N18B4D3H3	90.00	36	480	3	108	17.00	2.94	9.7500	1.88
10F36N20B4D3H3	104.00	36	480	3	125	19.00	2.94	9.7500	1.88
10F30N25B4D3H3	115.50	30	480	5	139	24.50	2.94	9.7500	1.88
10F36N25B4D3H3	138.50	36	480	4	167	24.50	2.94	9.7500	1.88
10F30N33B4D3H3	150.00	30	480	5	180	32.00	2.94	9.7500	1.88
10F36N33B4D3H3	180.00	36	480	6	217	32.00	2.94	9.7500	1.88
10F30N38B4D3H3	180.00	30	480	5	217	37.50	4.94	9.7500	1.88
10F30N36B4D3H3	193.50	30	480	5	233	35.00	2.94	9.7500	1.88
10F30N43B4D3H3	200.00	30	480	5	241	42.00	4.94	9.7500	1.88
10F36N38B4D3H3	216.00	36	480	6	260	37.50	4.94	9.7500	1.88
10F36N36B4D3H3	232.00	36	480	6	279	35.00	2.94	9.7500	1.88
10F36N43B4D3H3	240.00	36	480	6	289	42.00	4.94	9.7500	1.88
10F30N52B4D3H3	250.00	30	480	10	301	51.00	4.94	9.7500	1.88
10F30N57B4D3H3	250.00	30	480	10	301	56.00	9.94	9.7500	1.88
10F36N52B4D3H3	300.00	36	480	12	361	51.00	4.94	9.7500	1.88

300# Flanged Immersion Heaters - Type IF

10F36N57B4D3H3	300.00	36	480	12	361	56.00	9.94	9.7500	1.88
10F30N61B4D3H3	300.00	30	480	10	361	60.50	4.94	9.7500	1.88
10F30N68B4D3H3	300.00	30	480	10	361	67.50	11.94	9.7500	1.88
10F36N61B4D3H3	360.00	36	480	12	433	60.50	4.94	9.7500	1.88
10F36N68B4D3H3	360.00	36	480	12	433	67.50	11.94	9.7500	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
12F48N43B4D3H3	320.00	48	480	8	385	41.88	4.81	11.7500	2.00
12F48N52B4D3H3	400.00	48	480	16	481	50.88	4.81	11.7500	2.00
12F48N57B4D3H3	400.00	48	480	16	481	55.88	9.81	11.7500	2.00
12F48N61B4D3H3	480.00	48	480	16	577	60.38	4.81	11.7500	2.00
12F48N68B4D3H3	480.00	48	480	16	577	67.38	11.81	11.7500	2.00

45 Watts/Sq. Inch

3 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
3F3N10H4D3H3	3.00	3	480	1	4	10.25	3.69	2.9000	1.13
3F3N18H2D3H3	6.00	3	240	1	14	17.75	3.69	2.9000	1.13
3F3N18H4D3H3	6.00	3	480	1	7	17.75	3.69	2.9000	1.13
3F3N20H2D3H3	7.50	3	240	1	18	19.75	3.69	2.9000	1.13
3F3N20H4D3H3	7.50	3	480	1	9	19.75	3.69	2.9000	1.13
3F3N25H2D3H3	9.00	3	240	1	22	25.25	3.69	2.9000	1.13
3F3N25H4D3H3	9.00	3	480	1	11	25.25	3.69	2.9000	1.13
3F3N33H2D3H3	12.00	3	240	1	29	32.75	3.69	2.9000	1.13
3F3N33H4D3H3	12.00	3	480	1	14	32.75	3.69	2.9000	1.13
3F3N40H2D3H3	15.00	3	240	1	36	40.25	3.69	2.9000	1.13
3F3N40H4D3H3	15.00	3	480	1	18	40.25	3.69	2.9000	1.13
3F3N48H4D3H3	18.00	3	480	1	22	47.75	3.69	2.9000	1.13
3F3N52H4D3H3	18.00	3	480	1	22	51.75	5.69	2.9000	1.13
3F3N61H4D3H3	25.00	3	480	1	30	61.25	5.69	2.9000	1.13
3F3N68H4D3H3	25.00	3	480	1	30	68.25	12.69	2.9000	1.13
3F3N80H4D3H3	33.25	3	480	1	40	78.75	10.69	2.9000	1.13
3F3N88H4D3H3	37.50	3	480	1	45	88.75	5.69	2.9000	1.13
3F3N95H4D3H3	37.50	3	480	1	45	95.75	12.69	2.9000	1.13

4 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
4F6N10H4D3H3	6.00	6	480	1	7	10.13	3.56	3.8260	1.25
4F6N18H2D3H3	12.00	6	240	1	29	17.63	3.56	3.8260	1.25
4F6N18H4D3H3	12.00	6	480	1	14	17.63	3.56	3.8260	1.25
4F6N20H2D3H3	15.00	6	240	1	36	19.63	3.56	3.8260	1.25
4F6N20H4D3H3	15.00	6	480	1	18	19.63	3.56	3.8260	1.25
4F6N25H4D3H3	18.00	6	480	1	22	25.13	3.56	3.8260	1.25
4F6N25H2D3H3	18.00	6	240	1	43	25.13	3.56	3.8260	1.25
4F6N33H2D3H3	24.00	6	240	2	58	32.63	3.56	3.8260	1.25
4F6N33H4D3H3	24.00	6	480	1	29	32.63	3.56	3.8260	1.25
4F6N40H2D3H3	30.00	6	240	2	72	40.13	3.56	3.8260	1.25
4F6N40H4D3H3	30.00	6	480	1	36	40.13	3.56	3.8260	1.25
4F6N48H4D3H3	36.00	6	480	1	43	47.63	3.56	3.8260	1.25
4F6N52H4D3H3	36.00	6	480	1	43	51.63	5.56	3.8260	1.25
4F6N61H4D3H3	50.00	6	480	2	60	61.13	5.56	3.8260	1.25
4F6N68H4D3H3	50.00	6	480	2	60	68.13	12.56	3.8260	1.25

300# Flanged Immersion Heaters - Type IF

4F6N80H4D3H3	66.50	6	480	2	80	78.63	10.56	3.8260	1.25
4F6N88H4D3H3	75.00	6	480	2	90	88.63	5.56	3.8260	1.25
4F6N95H4D3H3	75.00	6	480	2	90	95.63	12.56	3.8260	1.25

5 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
5F9N10H4D3H3	9.00	9	480	1	11	10.00	3.44	4.8125	1.38
5F9N18H2D3H3	18.00	9	240	1	43	17.50	3.44	4.8125	1.38
5F9N18H4D3H3	18.00	9	480	1	22	17.50	3.44	4.8125	1.38
5F9N20H4D3H3	22.50	9	480	1	27	19.50	3.44	4.8125	1.38
5F9N25H4D3H3	27.00	9	480	1	32	25.00	3.44	4.8125	1.38
5F9N33H4D3H3	36.00	9	480	1	43	32.50	3.44	4.8125	1.38
5F9N61H4D3H3	75.00	9	480	3	90	61.00	5.44	4.8125	1.38
5F9N68H4D3H3	75.00	9	480	3	90	68.00	12.44	4.8125	1.38
5F9N80H4D3H3	99.75	9	480	3	120	78.50	10.44	4.8125	1.38
5F9N88H4D3H3	112.50	9	480	3	135	88.50	5.44	4.8125	1.38
5F9N95H4D3H3	112.50	9	480	3	135	95.50	12.44	4.8125	1.38

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
6F12N10H4D3H3	12.00	12	480	1	14	9.94	3.38	5.7610	1.44
6F15N10H4D3H3	15.00	15	480	1	18	9.94	3.38	5.7610	1.44
6F12N18H2D3H3	24.00	12	240	2	58	17.44	3.38	5.7610	1.44
6F12N18H4D3H3	24.00	12	480	1	29	17.44	3.38	5.7610	1.44
6F15N18H4D3H3	30.00	15	480	1	36	17.44	3.38	5.7610	1.44
6F12N20H2D3H3	30.00	12	240	2	72	19.44	3.38	5.7610	1.44
6F12N20H4D3H3	30.00	12	480	1	36	19.44	3.38	5.7610	1.44
6F12N25H2D3H3	36.00	12	240	2	87	24.94	3.38	5.7610	1.44
6F12N25H4D3H3	36.00	12	480	1	43	24.94	3.38	5.7610	1.44
6F15N20H4D3H3	37.50	15	480	1	45	19.44	3.38	5.7610	1.44
6F12N33H4D3H3	48.00	12	480	2	58	32.44	3.38	5.7610	1.44
6F12N40H4D3H3	60.00	12	480	2	72	39.94	3.38	5.7610	1.44
6F12N48H4D3H3	72.00	12	480	2	87	47.44	3.38	5.7610	1.44
6F12N52H4D3H3	72.00	12	480	2	87	51.44	5.38	5.7610	1.44
6F12N61H4D3H3	100.00	12	480	4	120	60.94	5.38	5.7610	1.44
6F12N68H4D3H3	100.00	12	480	4	120	67.94	12.38	5.7610	1.44
6F15N61H4D3H3	125.00	15	480	5	150	60.94	5.38	5.7610	1.44
6F15N68H4D3H3	125.00	15	480	5	150	67.94	12.38	5.7610	1.44
6F12N80H4D3H3	133.00	12	480	4	160	78.44	10.38	5.7610	1.44
6F12N88H4D3H3	150.00	12	480	4	180	88.44	5.38	5.7610	1.44
6F12N95H4D3H3	150.00	12	480	4	180	95.44	12.38	5.7610	1.44
6F15N80H4D3H3	166.50	15	480	5	200	78.44	10.38	5.7610	1.44
6F15N88H4D3H3	187.50	15	480	5	226	88.44	5.38	5.7610	1.44
6F15N95H4D3H3	187.50	15	480	5	226	95.44	12.38	5.7610	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
8F18N10H4D3H3	18.00	18	480	1	22	9.75	3.19	7.6250	1.63
8F24N10H4D3H3	24.00	24	480	1	29	9.75	3.19	7.6250	1.63
8F18N18H4D3H3	36.00	18	480	1	43	17.25	3.19	7.6250	1.63
8F18N20H4D3H3	45.00	18	480	2	54	19.25	3.19	7.6250	1.63
8F24N18H4D3H3	48.00	24	480	2	58	17.25	3.19	7.6250	1.63
8F18N25H4D3H3	54.00	18	480	2	65	24.75	3.19	7.6250	1.63

300# Flanged Immersion Heaters - Type IF

8F24N20H4D3H3	60.00	24	480	2	72	19.25	3.19	7.6250	1.63
8F24N25H4D3H3	72.00	24	480	2	87	24.75	3.19	7.6250	1.63
8F18N33H4D3H3	72.00	18	480	2	87	32.25	3.19	7.6250	1.63
8F18N40H4D3H3	90.00	18	480	3	108	39.75	3.19	7.6250	1.63
8F24N33H4D3H3	96.00	24	480	4	115	32.25	3.19	7.6250	1.63
8F18N48H4D3H3	108.00	18	480	3	130	47.25	3.19	7.6250	1.63
8F18N52H4D3H3	108.00	18	480	3	130	51.25	5.19	7.6250	1.63
8F24N40H4D3H3	120.00	24	480	4	144	39.75	3.19	7.6250	1.63
8F24N48H4D3H3	144.00	24	480	4	173	47.25	3.19	7.6250	1.63
8F24N52H4D3H3	144.00	24	480	4	173	51.25	5.19	7.6250	1.63
8F18N61H4D3H3	150.00	18	480	6	180	60.75	5.19	7.6250	1.63
8F18N68H4D3H3	150.00	18	480	6	180	67.75	12.19	7.6250	1.63
8F18N80H4D3H3	199.50	18	480	6	240	78.25	10.19	7.6250	1.63
8F24N61H4D3H3	200.00	24	480	8	241	60.75	5.19	7.6250	1.63
8F24N68H4D3H3	200.00	24	480	8	241	67.75	12.19	7.6250	1.63
8F18N88H4D3H3	225.00	18	480	6	271	88.25	5.19	7.6250	1.63
8F18N95H4D3H3	225.00	18	480	6	271	95.25	12.19	7.6250	1.63
8F24N80H4D3H3	266.00	24	480	8	320	78.25	10.19	7.6250	1.63
8F24N88H4D3H3	300.00	24	480	8	361	88.25	5.19	7.6250	1.63
8F24N95H4D3H3	300.00	24	480	8	361	95.25	12.19	7.6250	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
10F30N10H4D3H3	30.00	30	480	1	36	9.50	2.94	9.7500	1.88
10F36N10H4D3H3	36.00	36	480	1	43	9.50	2.94	9.7500	1.88
10F30N18H4D3H3	60.00	30	480	2	72	17.00	2.94	9.7500	1.88
10F36N18H4D3H3	72.00	36	480	2	87	17.00	2.94	9.7500	1.88
10F30N20H4D3H3	75.00	30	480	2	90	19.00	2.94	9.7500	1.88
10F36N20H4D3H3	90.00	36	480	3	108	19.00	2.94	9.7500	1.88
10F36N25H4D3H3	108.00	36	480	3	130	24.50	2.94	9.7500	1.88
10F30N33H4D3H3	120.00	30	480	5	144	32.00	2.94	9.7500	1.88
10F36N33H4D3H3	144.00	36	480	4	173	32.00	2.94	9.7500	1.88
10F30N40H4D3H3	150.00	30	480	5	180	39.50	2.94	9.7500	1.88
10F36N40H4D3H3	180.00	36	480	6	217	39.50	2.94	9.7500	1.88
10F30N48H4D3H3	180.00	30	480	5	217	47.00	2.94	9.7500	1.88
10F30N52H4D3H3	180.00	30	480	5	217	51.00	4.94	9.7500	1.88
10F36N48H4D3H3	216.00	36	480	6	260	47.00	2.94	9.7500	1.88
10F36N52H4D3H3	216.00	36	480	6	260	51.00	4.94	9.7500	1.88
10F30N61H4D3H3	250.00	30	480	10	301	60.50	4.94	9.7500	1.88
10F30N68H4D3H3	250.00	30	480	10	301	67.50	11.94	9.7500	1.88
10F36N61H4D3H3	300.00	36	480	12	361	60.50	4.94	9.7500	1.88
10F36N68H4D3H3	300.00	36	480	12	361	67.50	11.94	9.7500	1.88
10F30N80H4D3H3	333.00	30	480	10	401	78.00	9.94	9.7500	1.88
10F30N88H4D3H3	375.00	30	480	10	451	88.00	4.94	9.7500	1.88
10F30N95H4D3H3	375.00	30	480	10	451	95.00	11.94	9.7500	1.88
10F36N80H4D3H3	399.50	36	480	12	481	78.00	9.94	9.7500	1.88
10F36N88H4D3H3	450.00	36	480	12	541	88.00	4.94	9.7500	1.88
10F36N95H4D3H3	450.00	36	480	12	541	95.00	11.94	9.7500	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
12F48N40H4D3H3	240.00	48	480	8	289	39.38	2.81	11.7500	2.00
12F48N48H4D3H3	288.00	48	480	8	346	46.88	2.81	11.7500	2.00
12F48N52H4D3H3	288.00	48	480	8	346	50.88	4.81	11.7500	2.00

300# Flanged Immersion Heaters - Type IF

12F48N61H4D3H3	400.00	48	480	16	481	60.38	4.81	11.7500	2.00
12F48N68H4D3H3	400.00	48	480	16	481	67.38	11.81	11.7500	2.00
12F48N80H4D3H3	533.00	48	480	16	641	77.88	9.81	11.7500	2.00
12F54N80H4D3H3	599.00	54	480	18	721	77.88	9.81	11.7500	2.00
12F48N88H4D3H3	600.00	48	480	16	722	87.88	4.81	11.7500	2.00
12F48N95H4D3H3	600.00	48	480	16	722	94.88	11.81	11.7500	2.00
12F54N88H4D3H3	675.00	54	480	18	812	87.88	4.81	11.7500	2.00
12F54N95H4D3H3	675.00	54	480	18	812	94.88	11.81	11.7500	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
14F54N80H4D3H3	599.00	54	480	18	721	77.75	9.69	13.0000	2.13
14F60N80H4D3H3	666.00	60	480	20	801	77.75	9.69	13.0000	2.13
14F54N88H4D3H3	675.00	54	480	18	812	87.75	4.69	13.0000	2.13
14F54N95H4D3H3	675.00	54	480	18	812	94.75	11.69	13.0000	2.13
14F60N88H4D3H3	750.00	60	480	20	902	87.75	4.69	13.0000	2.13
14F60N95H4D3H3	750.00	60	480	20	902	94.75	11.69	13.0000	2.13
14F72N80H4D3H3	799.00	72	480	24	961	77.75	9.69	13.0000	2.13
14F72N88H4D3H3	900.00	72	480	24	1,083	87.75	4.69	13.0000	2.13
14F72N95H4D3H3	900.00	72	480	24	1,083	94.75	11.69	13.0000	2.13

16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
16F84N80H4D3H3	932.00	84	480	28	1,121	77.63	9.56	15.0000	2.25
16F90N80H4D3H3	999.00	90	480	30	1,202	77.63	9.56	15.0000	2.25
16F84N88H4D3H3	1,050.00	84	480	28	1,263	87.63	4.56	15.0000	2.25
16F84N95H4D3H3	1,050.00	84	480	28	1,263	94.63	11.56	15.0000	2.25
16F96N80H4D3H3	1,066.00	96	480	32	1,282	77.63	9.56	15.0000	2.25
16F90N88H4D3H3	1,125.00	90	480	30	1,353	87.63	4.56	15.0000	2.25
16F90N95H4D3H3	1,125.00	90	480	30	1,353	94.63	11.56	15.0000	2.25
16F96N88H4D3H3	1,200.00	96	480	32	1,443	87.63	4.56	15.0000	2.25
16F96N95H4D3H3	1,200.00	96	480	32	1,443	94.63	11.56	15.0000	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
18F108N88H4D3H3	1,350.00	108	480	36	1,624	87.50	4.44	17.0000	2.38
18F108N95H4D3H3	1,350.00	108	480	36	1,624	94.50	11.44	17.0000	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
20F120N88H4D3H3	1,500.00	120	480	40	1,804	87.38	4.31	19.0000	2.50
20F120N95H4D3H3	1,500.00	120	480	40	1,804	94.38	11.31	19.0000	2.50
20F126N88H4D3H3	1,575.00	126	480	42	1,894	87.38	4.31	19.0000	2.50
20F126N95H4D3H3	1,575.00	126	480	42	1,894	94.38	11.31	19.0000	2.50
20F132N88H4D3H3	1,650.00	132	480	44	1,985	87.38	4.31	19.0000	2.50
20F132N95H4D3H3	1,650.00	132	480	44	1,985	94.38	11.31	19.0000	2.50
20F144N88H4D3H3	1,800.00	144	480	48	2,165	87.38	4.31	19.0000	2.50
20F144N95H4D3H3	1,800.00	144	480	48	2,165	94.38	11.31	19.0000	2.50
20F162N88H4D3H3	2,025.00	162	480	54	2,436	87.38	4.31	19.0000	2.50
20F162N95H4D3H3	2,025.00	162	480	54	2,436	94.38	11.31	19.0000	2.50
20F180N88H4D3H3	2,250.00	180	480	60	2,706	87.38	4.31	19.0000	2.50
20F180N95H4D3H3	2,250.00	180	480	60	2,706	94.38	11.31	19.0000	2.50

300# Flanged Immersion Heaters - Type IF

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
8F18N48F4D3H3	60.00	18	480	2	72	46.25	13.19	7.6250	1.63
8F24N48F4D3H3	80.00	24	480	2	96	46.25	13.19	7.6250	1.63
8F18N61F4D3H3	90.00	18	480	3	108	59.25	13.19	7.6250	1.63
8F24N61F4D3H3	120.00	24	480	4	144	59.25	13.19	7.6250	1.63
8F18N77F4D3H3	120.00	18	480	3	144	75.25	13.19	7.6250	1.63
8F18N93F4D3H3	150.00	18	480	6	180	91.25	13.19	7.6250	1.63
8F24N77F4D3H3	160.00	24	480	4	192	75.25	13.19	7.6250	1.63
8F18N120F4D3H3	180.00	18	480	6	217	118.25	13.19	7.6250	1.63
8F24N93F4D3H3	200.00	24	480	8	241	91.25	13.19	7.6250	1.63
8F24N120F4D3H3	240.00	24	480	8	289	118.25	13.19	7.6250	1.63
8F18N144F4D3H3	240.00	18	480	6	289	142.25	13.19	7.6250	1.63
8F24N144F4D3H3	320.00	24	480	8	385	142.25	13.19	7.6250	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
10F30N48F4D3H3	100.00	30	480	5	120	47.50	15.94	9.7500	1.88
10F36N48F4D3H3	120.00	36	480	4	144	46.00	12.94	9.7500	1.88
10F30N61F4D3H3	150.00	30	480	5	180	59.00	12.94	9.7500	1.88
10F36N61F4D3H3	180.00	36	480	6	217	59.00	12.94	9.7500	1.88
10F30N77F4D3H3	200.00	30	480	5	241	75.00	12.94	9.7500	1.88
10F36N77F4D3H3	240.00	36	480	6	289	75.00	12.94	9.7500	1.88
10F30N93F4D3H3	250.00	30	480	10	301	91.00	12.94	9.7500	1.88
10F36N93F4D3H3	300.00	36	480	12	361	91.00	12.94	9.7500	1.88
10F30N120F4D3H3	300.00	30	480	10	361	118.00	12.94	9.7500	1.88
10F36N120F4D3H3	360.00	36	480	12	433	118.00	12.94	9.7500	1.88
10F30N144F4D3H3	400.00	30	480	10	481	142.00	12.94	9.7500	1.88
10F36N144F4D3H3	480.00	36	480	12	577	142.00	12.94	9.7500	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
12F48N48F4D3H3	160.00	48	480	4	192	45.88	12.81	11.7500	2.00
12F54N48F4D3H3	180.00	54	480	6	217	45.88	12.81	11.7500	2.00
12F48N61F4D3H3	240.00	48	480	8	289	58.88	12.81	11.7500	2.00
12F54N61F4D3H3	270.00	54	480	9	325	58.88	12.81	11.7500	2.00
12F48N77F4D3H3	320.00	48	480	8	385	74.88	12.81	11.7500	2.00
12F54N77F4D3H3	360.00	54	480	9	433	74.88	12.81	11.7500	2.00
12F48N93F4D3H3	400.00	48	480	16	481	90.88	12.81	11.7500	2.00
12F54N93F4D3H3	450.00	54	480	18	541	90.88	12.81	11.7500	2.00
12F48N120F4D3H3	480.00	48	480	16	577	117.88	12.81	11.7500	2.00
12F54N120F4D3H3	540.00	54	480	18	650	117.88	12.81	11.7500	2.00
12F48N144F4D3H3	640.00	48	480	16	770	141.88	12.81	11.7500	2.00
12F54N144F4D3H3	720.00	54	480	18	866	141.88	12.81	11.7500	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
14F54N48F4D3H3	180.00	54	480	6	217	45.75	12.69	13.0000	2.13
14F60N48F4D3H3	200.00	60	480	5	241	45.75	12.69	13.0000	2.13
14F72N48F4D3H3	240.00	72	480	6	289	45.75	12.69	13.0000	2.13
14F54N61F4D3H3	270.00	54	480	9	325	58.75	12.69	13.0000	2.13
14F60N61F4D3H3	300.00	60	480	10	361	58.75	12.69	13.0000	2.13
14F72N61F4D3H3	360.00	72	480	12	433	58.75	12.69	13.0000	2.13
14F54N77F4D3H3	360.00	54	480	9	433	74.75	12.69	13.0000	2.13

300# Flanged Immersion Heaters - Type IF

14F60N77F4D3H3	400.00	60	480	10	481	74.75	12.69	13.0000	2.13
14F54N93F4D3H3	450.00	54	480	18	541	90.75	12.69	13.0000	2.13
14F72N77F4D3H3	480.00	72	480	12	577	74.75	12.69	13.0000	2.13
14F60N93F4D3H3	500.00	60	480	20	601	90.75	12.69	13.0000	2.13
14F54N120F4D3H3	540.00	54	480	18	650	117.75	12.69	13.0000	2.13
14F72N93F4D3H3	600.00	72	480	24	722	90.75	12.69	13.0000	2.13
14F60N120F4D3H3	600.00	60	480	20	722	117.75	12.69	13.0000	2.13
14F72N120F4D3H3	720.00	72	480	24	866	117.75	12.69	13.0000	2.13
14F54N144F4D3H3	720.00	54	480	18	866	141.75	12.69	13.0000	2.13
14F60N144F4D3H3	800.00	60	480	20	962	141.75	12.69	13.0000	2.13
14F72N144F4D3H3	960.00	72	480	24	1,155	141.75	12.69	13.0000	2.13

16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
16F90N48F4D3H3	300.00	90	480	10	361	45.63	12.56	15.0000	2.25
16F96N48F4D3H3	320.00	96	480	8	385	45.63	12.56	15.0000	2.25
16F84N61F4D3H3	420.00	84	480	14	505	58.63	12.56	15.0000	2.25
16F90N61F4D3H3	450.00	90	480	15	541	58.63	12.56	15.0000	2.25
16F96N61F4D3H3	480.00	96	480	16	577	58.63	12.56	15.0000	2.25
16F84N77F4D3H3	560.00	84	480	14	674	74.63	12.56	15.0000	2.25
16F90N77F4D3H3	600.00	90	480	15	722	74.63	12.56	15.0000	2.25
16F96N77F4D3H3	640.00	96	480	16	770	74.63	12.56	15.0000	2.25
16F84N93F4D3H3	700.00	84	480	28	842	90.63	12.56	15.0000	2.25
16F90N93F4D3H3	750.00	90	480	30	902	90.63	12.56	15.0000	2.25
16F96N93F4D3H3	800.00	96	480	32	962	90.63	12.56	15.0000	2.25
16F84N120F4D3H3	840.00	84	480	28	1,010	117.63	12.56	15.0000	2.25
16F90N120F4D3H3	900.00	90	480	30	1,083	117.63	12.56	15.0000	2.25
16F96N120F4D3H3	960.00	96	480	32	1,155	117.63	12.56	15.0000	2.25
16F84N144F4D3H3	1,120.00	84	480	28	1,347	141.63	12.56	15.0000	2.25
16F90N144F4D3H3	1,200.00	90	480	30	1,443	141.63	12.56	15.0000	2.25
16F96N144F4D3H3	1,280.00	96	480	32	1,540	141.63	12.56	15.0000	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
18F108N48F4D3H3	360.00	108	480	12	433	45.50	12.44	17.0000	2.38
18F108N61F4D3H3	540.00	108	480	18	650	58.50	12.44	17.0000	2.38
18F108N77F4D3H3	720.00	108	480	18	866	74.50	12.44	17.0000	2.38
18F108N93F4D3H3	900.00	108	480	36	1,083	90.50	12.44	17.0000	2.38
18F108N120F4D3H3	1,080.00	108	480	36	1,299	117.50	12.44	17.0000	2.38
18F108N144F4D3H3	1,440.00	108	480	36	1,732	141.50	12.44	17.0000	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
20F120N48F4D3H3	400.00	120	480	10	481	45.38	12.31	19.0000	2.50
20F126N48F4D3H3	420.00	126	480	14	505	45.38	12.31	19.0000	2.50
20F144N48F4D3H3	480.00	144	480	12	577	45.38	12.31	19.0000	2.50
20F162N48F4D3H3	540.00	162	480	18	650	45.38	12.31	19.0000	2.50
20F180N48F4D3H3	600.00	180	480	15	722	45.38	12.31	19.0000	2.50
20F120N61F4D3H3	600.00	120	480	20	722	58.38	12.31	19.0000	2.50
20F132N61F4D3H3	660.00	132	480	22	794	58.38	12.31	19.0000	2.50
20F144N61F4D3H3	720.00	144	480	24	866	58.38	12.31	19.0000	2.50
20F120N77F4D3H3	800.00	120	480	20	962	74.38	12.31	19.0000	2.50
20F132N77F4D3H3	880.00	132	480	22	1,059	74.38	12.31	19.0000	2.50

300# Flanged Immersion Heaters - Type IF

20F180N61F4D3H3	900.00	180	480	30	1,083	58.38	12.31	19.0000	2.50
20F144N77F4D3H3	960.00	144	480	24	1,155	74.38	12.31	19.0000	2.50
20F120N93F4D3H3	1,000.00	120	480	40	1,203	90.38	12.31	19.0000	2.50
20F126N93F4D3H3	1,050.00	126	480	42	1,263	90.38	12.31	19.0000	2.50
20F132N93F4D3H3	1,100.00	132	480	44	1,323	90.38	12.31	19.0000	2.50
20F180N77F4D3H3	1,200.00	180	480	30	1,443	74.38	12.31	19.0000	2.50
20F144N93F4D3H3	1,200.00	144	480	48	1,443	90.38	12.31	19.0000	2.50
20F120N120F4D3H3	1,200.00	120	480	40	1,443	117.38	12.31	19.0000	2.50
20F126N120F4D3H3	1,260.00	126	480	42	1,516	117.38	12.31	19.0000	2.50
20F132N120F4D3H3	1,320.00	132	480	44	1,588	117.38	12.31	19.0000	2.50
20F162N93F4D3H3	1,350.00	162	480	54	1,624	90.38	12.31	19.0000	2.50
20F144N120F4D3H3	1,440.00	144	480	48	1,732	117.38	12.31	19.0000	2.50
20F180N93F4D3H3	1,500.00	180	480	60	1,804	90.38	12.31	19.0000	2.50
20F120N144F4D3H3	1,600.00	120	480	40	1,925	141.38	12.31	19.0000	2.50
20F162N120F4D3H3	1,620.00	162	480	54	1,949	117.38	12.31	19.0000	2.50
20F126N144F4D3H3	1,680.00	126	480	42	2,021	141.38	12.31	19.0000	2.50
20F132N144F4D3H3	1,760.00	132	480	44	2,117	141.38	12.31	19.0000	2.50
20F180N120F4D3H3	1,800.00	180	480	60	2,165	117.38	12.31	19.0000	2.50
20F144N144F4D3H3	1,920.00	144	480	48	2,309	141.38	12.31	19.0000	2.50
20F162N144F4D3H3	2,160.00	162	480	54	2,598	141.38	12.31	19.0000	2.50
20F180N144F4D3H3	2,400.00	180	480	60	2,887	141.38	12.31	19.0000	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
24F192N48F4D3H3	640.00	192	480	16	770	45.13	12.06	23.0000	2.75
24F216N48F4D3H3	720.00	216	480	18	866	45.13	12.06	23.0000	2.75
24F234N48F4D3H3	780.00	234	480	26	938	45.13	12.06	23.0000	2.75
24F240N48F4D3H3	800.00	240	480	20	962	45.13	12.06	23.0000	2.75
24F192N61F4D3H3	960.00	192	480	32	1,155	58.13	12.06	23.0000	2.75
24F216N61F4D3H3	1,080.00	216	480	36	1,299	58.13	12.06	23.0000	2.75
24F240N61F4D3H3	1,200.00	240	480	40	1,443	58.13	12.06	23.0000	2.75
24F192N77F4D3H3	1,280.00	192	480	32	1,540	74.13	12.06	23.0000	2.75
24F216N77F4D3H3	1,440.00	216	480	36	1,732	74.13	12.06	23.0000	2.75
24F240N77F4D3H3	1,600.00	240	480	40	1,925	74.13	12.06	23.0000	2.75
24F192N93F4D3H3	1,600.00	192	480	64	1,925	90.13	12.06	23.0000	2.75
24F216N93F4D3H3	1,800.00	216	480	72	2,165	90.13	12.06	23.0000	2.75
24F192N120F4D3H3	1,920.00	192	480	64	2,309	117.13	12.06	23.0000	2.75
24F234N93F4D3H3	1,950.00	234	480	78	2,346	90.13	12.06	23.0000	2.75
24F240N93F4D3H3	2,000.00	240	480	80	2,406	90.13	12.06	23.0000	2.75
24F216N120F4D3H3	2,160.00	216	480	72	2,598	117.13	12.06	23.0000	2.75
24F234N120F4D3H3	2,340.00	234	480	78	2,815	117.13	12.06	23.0000	2.75
24F240N120F4D3H3	2,400.00	240	480	80	2,887	117.13	12.06	23.0000	2.75
24F192N144F4D3H3	2,560.00	192	480	64	3,079	141.13	12.06	23.0000	2.75
24F216N144F4D3H3	2,880.00	216	480	72	3,464	141.13	12.06	23.0000	2.75
24F234N144F4D3H3	3,120.00	234	480	78	3,753	141.13	12.06	23.0000	2.75
24F240N144F4D3H3	3,200.00	240	480	80	3,849	141.13	12.06	23.0000	2.75

30 Watts/Sq. Inch

3 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
3F3N44G4D3H3	9.00	3	480	1	11	44.25	10.69	2.9000	1.13
3F3N56G4D3H3	12.00	3	480	1	14	56.25	10.69	2.9000	1.13
3F3N67G4D3H3	15.00	3	480	1	18	67.25	10.69	2.9000	1.13
3F3N80G4D3H3	18.00	3	480	1	22	80.25	12.69	2.9000	1.13

300# Flanged Immersion Heaters - Type IF

3F3N100G4D3H3	22.50	3	480	1	27	100.25	12.69	2.9000	1.13
3F3N120G4D3H3	28.50	3	480	1	34	120.25	12.69	2.9000	1.13
3F3N140G4D3H3	33.00	3	480	1	40	140.25	16.69	2.9000	1.13
3F3N160G4D3H3	39.00	3	480	1	47	160.25	16.69	2.9000	1.13

4 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
4F6N44G4D3H3	18.00	6	480	1	22	44.13	10.56	3.8260	1.25
4F6N56G4D3H3	24.00	6	480	1	29	56.13	10.56	3.8260	1.25
4F6N67G4D3H3	30.00	6	480	1	36	67.13	10.56	3.8260	1.25
4F6N80G4D3H3	36.00	6	480	1	43	80.13	12.56	3.8260	1.25
4F6N100G4D3H3	45.00	6	480	2	54	100.13	12.56	3.8260	1.25
4F6N120G4D3H3	57.00	6	480	2	69	120.13	12.56	3.8260	1.25
4F6N140G4D3H3	66.00	6	480	2	79	140.13	16.56	3.8260	1.25
4F6N160G4D3H3	78.00	6	480	2	94	160.13	16.56	3.8260	1.25

5 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
5F9N44G4D3H3	27.00	9	480	1	32	44.00	10.44	4.8125	1.38
5F9N56G4D3H3	36.00	9	480	1	43	56.00	10.44	4.8125	1.38
5F9N100G4D3H3	67.50	9	480	3	81	100.00	12.44	4.8125	1.38
5F9N120G4D3H3	85.50	9	480	3	103	120.00	12.44	4.8125	1.38
5F9N140G4D3H3	99.00	9	480	3	119	140.00	16.44	4.8125	1.38
5F9N160G4D3H3	117.00	9	480	3	141	160.00	16.44	4.8125	1.38

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
6F12N44G4D3H3	36.00	12	480	1	43	43.94	10.38	5.7610	1.44
6F12N56G4D3H3	48.00	12	480	2	58	55.94	10.38	5.7610	1.44
6F12N67G4D3H3	60.00	12	480	2	72	66.94	10.38	5.7610	1.44
6F12N80G4D3H3	72.00	12	480	2	87	79.94	12.38	5.7610	1.44
6F12N100G4D3H3	90.00	12	480	4	108	99.94	12.38	5.7610	1.44
6F15N100G4D3H3	112.50	15	480	5	135	99.94	12.38	5.7610	1.44
6F12N120G4D3H3	114.00	12	480	4	137	119.94	12.38	5.7610	1.44
6F12N140G4D3H3	132.00	12	480	4	159	139.94	16.38	5.7610	1.44
6F15N120G4D3H3	142.50	15	480	5	171	119.94	12.38	5.7610	1.44
6F12N160G4D3H3	156.00	12	480	4	188	159.94	16.38	5.7610	1.44
6F15N140G4D3H3	165.00	15	480	5	198	139.94	16.38	5.7610	1.44
6F15N160G4D3H3	195.00	15	480	5	235	159.94	16.38	5.7610	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
8F18N44G4D3H3	54.00	18	480	2	65	43.75	10.19	7.6250	1.63
8F24N44G4D3H3	72.00	24	480	2	87	43.75	10.19	7.6250	1.63
8F18N56G4D3H3	72.00	18	480	2	87	55.75	10.19	7.6250	1.63
8F18N67G4D3H3	90.00	18	480	3	108	66.75	10.19	7.6250	1.63
8F24N56G4D3H3	96.00	24	480	4	115	55.75	10.19	7.6250	1.63
8F18N80G4D3H3	108.00	18	480	3	130	79.75	12.19	7.6250	1.63
8F24N67G4D3H3	120.00	24	480	4	144	66.75	10.19	7.6250	1.63
8F18N100G4D3H3	135.00	18	480	6	162	99.75	12.19	7.6250	1.63
8F24N80G4D3H3	144.00	24	480	4	173	79.75	12.19	7.6250	1.63
8F18N120G4D3H3	171.00	18	480	6	206	119.75	12.19	7.6250	1.63
8F24N100G4D3H3	180.00	24	480	8	217	99.75	12.19	7.6250	1.63

300# Flanged Immersion Heaters - Type IF

8F18N140G4D3H3	198.00	18	480	6	238	139.75	16.19	7.6250	1.63
8F24N120G4D3H3	228.00	24	480	8	274	119.75	12.19	7.6250	1.63
8F18N160G4D3H3	234.00	18	480	6	281	159.75	16.19	7.6250	1.63
8F24N140G4D3H3	264.00	24	480	8	318	139.75	16.19	7.6250	1.63
8F24N160G4D3H3	312.00	24	480	8	375	159.75	16.19	7.6250	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
10F36N44G4D3H3	108.00	36	480	3	130	43.50	9.94	9.7500	1.88
10F30N56G4D3H3	120.00	30	480	5	144	55.50	9.94	9.7500	1.88
10F36N56G4D3H3	144.00	36	480	4	173	55.50	9.94	9.7500	1.88
10F30N67G4D3H3	150.00	30	480	5	180	66.50	9.94	9.7500	1.88
10F36N67G4D3H3	180.00	36	480	6	217	66.50	9.94	9.7500	1.88
10F30N80G4D3H3	180.00	30	480	5	217	79.50	11.94	9.7500	1.88
10F36N80G4D3H3	216.00	36	480	6	260	79.50	11.94	9.7500	1.88
10F30N100G4D3H3	225.00	30	480	10	271	99.50	11.94	9.7500	1.88
10F36N100G4D3H3	270.00	36	480	12	325	99.50	11.94	9.7500	1.88
10F30N120G4D3H3	285.00	30	480	10	343	119.50	11.94	9.7500	1.88
10F30N140G4D3H3	330.00	30	480	10	397	139.50	15.94	9.7500	1.88
10F36N120G4D3H3	342.00	36	480	12	411	119.50	11.94	9.7500	1.88
10F30N160G4D3H3	390.00	30	480	10	469	159.50	15.94	9.7500	1.88
10F36N140G4D3H3	396.00	36	480	12	476	139.50	15.94	9.7500	1.88
10F36N160G4D3H3	468.00	36	480	12	563	159.50	15.94	9.7500	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
12F48N44G4D3H3	144.00	48	480	4	173	43.38	9.81	11.7500	2.00
12F48N56G4D3H3	192.00	48	480	8	231	55.38	9.81	11.7500	2.00
12F48N67G4D3H3	240.00	48	480	8	289	66.38	9.81	11.7500	2.00
12F48N80G4D3H3	288.00	48	480	8	346	79.38	11.81	11.7500	2.00
12F54N80G4D3H3	324.00	54	480	9	390	79.38	11.81	11.7500	2.00
12F48N100G4D3H3	360.00	48	480	16	433	99.38	11.81	11.7500	2.00
12F54N100G4D3H3	405.00	54	480	18	487	99.38	11.81	11.7500	2.00
12F48N120G4D3H3	456.00	48	480	16	548	119.38	11.81	11.7500	2.00
12F54N120G4D3H3	513.00	54	480	18	617	119.38	11.81	11.7500	2.00
12F48N140G4D3H3	528.00	48	480	16	635	139.38	15.81	11.7500	2.00
12F54N140G4D3H3	594.00	54	480	18	714	139.38	15.81	11.7500	2.00
12F48N160G4D3H3	624.00	48	480	16	751	159.38	15.81	11.7500	2.00
12F54N160G4D3H3	702.00	54	480	18	844	159.38	15.81	11.7500	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
14F54N80G4D3H3	324.00	54	480	9	390	79.25	11.69	13.0000	2.13
14F60N80G4D3H3	360.00	60	480	10	433	79.25	11.69	13.0000	2.13
14F54N100G4D3H3	405.00	54	480	18	487	99.25	11.69	13.0000	2.13
14F72N80G4D3H3	432.00	72	480	12	520	79.25	11.69	13.0000	2.13
14F60N100G4D3H3	450.00	60	480	20	541	99.25	11.69	13.0000	2.13
14F54N120G4D3H3	513.00	54	480	18	617	119.25	11.69	13.0000	2.13
14F72N100G4D3H3	540.00	72	480	24	650	99.25	11.69	13.0000	2.13
14F60N120G4D3H3	570.00	60	480	20	686	119.25	11.69	13.0000	2.13
14F54N140G4D3H3	594.00	54	480	18	714	139.25	15.69	13.0000	2.13
14F60N140G4D3H3	660.00	60	480	20	794	139.25	15.69	13.0000	2.13
14F72N120G4D3H3	684.00	72	480	24	823	119.25	11.69	13.0000	2.13

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14F54N160G4D3H3	702.00	54	480	18	844	159.25	15.69	13.0000	2.13
14F60N160G4D3H3	780.00	60	480	20	938	159.25	15.69	13.0000	2.13
14F72N140G4D3H3	792.00	72	480	24	953	139.25	15.69	13.0000	2.13
14F72N160G4D3H3	936.00	72	480	24	1,126	159.25	15.69	13.0000	2.13

16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
16F84N80G4D3H3	504.00	84	480	14	606	79.13	11.56	15.0000	2.25
16F90N80G4D3H3	540.00	90	480	15	650	79.13	11.56	15.0000	2.25
16F96N80G4D3H3	576.00	96	480	16	693	79.13	11.56	15.0000	2.25
16F84N100G4D3H3	630.00	84	480	28	758	99.13	11.56	15.0000	2.25
16F90N100G4D3H3	675.00	90	480	30	812	99.13	11.56	15.0000	2.25
16F96N100G4D3H3	720.00	96	480	32	866	99.13	11.56	15.0000	2.25
16F84N120G4D3H3	798.00	84	480	28	960	119.13	11.56	15.0000	2.25
16F90N120G4D3H3	855.00	90	480	30	1,028	119.13	11.56	15.0000	2.25
16F96N120G4D3H3	912.00	96	480	32	1,097	119.13	11.56	15.0000	2.25
16F84N140G4D3H3	924.00	84	480	28	1,111	139.13	15.56	15.0000	2.25
16F90N140G4D3H3	990.00	90	480	30	1,191	139.13	15.56	15.0000	2.25
16F96N140G4D3H3	1,056.00	96	480	32	1,270	139.13	15.56	15.0000	2.25
16F84N160G4D3H3	1,092.00	84	480	28	1,314	159.13	15.56	15.0000	2.25
16F90N160G4D3H3	1,170.00	90	480	30	1,407	159.13	15.56	15.0000	2.25
16F96N160G4D3H3	1,248.00	96	480	32	1,501	159.13	15.56	15.0000	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
18F108N100G4D3H3	810.00	108	480	36	974	99.00	11.44	17.0000	2.38
18F108N120G4D3H3	1,026.00	108	480	36	1,234	119.00	11.44	17.0000	2.38
18F108N140G4D3H3	1,188.00	108	480	36	1,429	139.00	15.44	17.0000	2.38
18F108N160G4D3H3	1,404.00	108	480	36	1,689	159.00	15.44	17.0000	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
20F120N100G4D3H3	900.00	120	480	40	1,083	98.88	11.31	19.0000	2.50
20F126N100G4D3H3	945.00	126	480	42	1,137	98.88	11.31	19.0000	2.50
20F132N100G4D3H3	990.00	132	480	44	1,191	98.88	11.31	19.0000	2.50
20F144N100G4D3H3	1,080.00	144	480	48	1,299	98.88	11.31	19.0000	2.50
20F120N120G4D3H3	1,140.00	120	480	40	1,371	118.88	11.31	19.0000	2.50
20F126N120G4D3H3	1,197.00	126	480	42	1,440	118.88	11.31	19.0000	2.50
20F162N100G4D3H3	1,215.00	162	480	54	1,461	98.88	11.31	19.0000	2.50
20F132N120G4D3H3	1,254.00	132	480	44	1,508	118.88	11.31	19.0000	2.50
20F120N140G4D3H3	1,320.00	120	480	40	1,588	138.88	15.31	19.0000	2.50
20F180N100G4D3H3	1,350.00	180	480	60	1,624	98.88	11.31	19.0000	2.50
20F144N120G4D3H3	1,368.00	144	480	48	1,645	118.88	11.31	19.0000	2.50
20F126N140G4D3H3	1,386.00	126	480	42	1,667	138.88	15.31	19.0000	2.50
20F132N140G4D3H3	1,452.00	132	480	44	1,747	138.88	15.31	19.0000	2.50
20F162N120G4D3H3	1,539.00	162	480	54	1,851	118.88	11.31	19.0000	2.50
20F120N160G4D3H3	1,560.00	120	480	40	1,876	158.88	15.31	19.0000	2.50
20F144N140G4D3H3	1,584.00	144	480	48	1,905	138.88	15.31	19.0000	2.50
20F126N160G4D3H3	1,638.00	126	480	42	1,970	158.88	15.31	19.0000	2.50
20F180N120G4D3H3	1,710.00	180	480	60	2,057	118.88	11.31	19.0000	2.50
20F132N160G4D3H3	1,716.00	132	480	44	2,064	158.88	15.31	19.0000	2.50
20F162N140G4D3H3	1,782.00	162	480	54	2,143	138.88	15.31	19.0000	2.50
20F144N160G4D3H3	1,872.00	144	480	48	2,252	158.88	15.31	19.0000	2.50

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20F180N140G4D3H3	1,980.00	180	480	60	2,382	138.88	15.31	19.0000	2.50
20F162N160G4D3H3	2,106.00	162	480	54	2,533	158.88	15.31	19.0000	2.50
20F180N160G4D3H3	2,340.00	180	480	60	2,815	158.88	15.31	19.0000	2.50

24 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
24F192N100G4D3H3	1,440.00	192	480	64	1,732	98.63	11.06	23.0000	2.75
24F216N100G4D3H3	1,620.00	216	480	72	1,949	98.63	11.06	23.0000	2.75
24F234N100G4D3H3	1,755.00	234	480	78	2,111	98.63	11.06	23.0000	2.75
24F240N100G4D3H3	1,800.00	240	480	80	2,165	98.63	11.06	23.0000	2.75
24F192N120G4D3H3	1,824.00	192	480	64	2,194	118.63	11.06	23.0000	2.75
24F216N120G4D3H3	2,052.00	216	480	72	2,468	118.63	11.06	23.0000	2.75
24F192N140G4D3H3	2,112.00	192	480	64	2,540	138.63	15.06	23.0000	2.75
24F234N120G4D3H3	2,223.00	234	480	78	2,674	118.63	11.06	23.0000	2.75
24F240N120G4D3H3	2,280.00	240	480	80	2,742	118.63	11.06	23.0000	2.75
24F216N140G4D3H3	2,376.00	216	480	72	2,858	138.63	15.06	23.0000	2.75
24F192N160G4D3H3	2,496.00	192	480	64	3,002	158.63	15.06	23.0000	2.75
24F234N140G4D3H3	2,574.00	234	480	78	3,096	138.63	15.06	23.0000	2.75
24F240N140G4D3H3	2,640.00	240	480	80	3,176	138.63	15.06	23.0000	2.75
24F216N160G4D3H3	2,808.00	216	480	72	3,378	158.63	15.06	23.0000	2.75
24F234N160G4D3H3	3,042.00	234	480	78	3,659	158.63	15.06	23.0000	2.75
24F240N160G4D3H3	3,120.00	240	480	80	3,753	158.63	15.06	23.0000	2.75

23 Watts/Sq. Inch

3 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
3F3N10M2D3H3	1.50	3	240	1	4	10.25	3.69	2.9000	1.13
3F3N13M4D3H3	2.25	3	480	1	3	13.25	3.69	2.9000	1.13
3F3N13M1D3H3	2.25	3	120	1	11	13.25	3.69	2.9000	1.13
3F3N13M2D3H3	2.25	3	120	1	11	13.25	3.69	2.9000	1.13
3F3N18M2D3H3	3.00	3	240	1	7	17.75	3.69	2.9000	1.13
3F3N18M4D3H3	3.00	3	480	1	4	17.75	3.69	2.9000	1.13
3F3N20M2D3H3	3.75	3	240	1	9	19.75	3.69	2.9000	1.13
3F3N20M4D3H3	3.75	3	480	1	5	20.25	3.69	2.9000	1.13
3F3N25M4D3H3	4.50	3	480	1	5	25.25	3.69	2.9000	1.13
3F3N25M1D3H3	4.50	3	120	1	22	25.25	3.69	2.9000	1.13
3F3N25M2D3H3	4.50	3	240	1	11	25.25	3.69	2.9000	1.13
3F3N33M4D3H3	6.00	3	480	1	7	32.75	3.69	2.9000	1.13
3F3N40M4D3H3	7.50	3	480	1	9	40.25	3.69	2.9000	1.13
3F3N40M2D3H3	7.50	3	240	1	18	40.25	3.69	2.9000	1.13
3F3N48M4D3H3	9.00	3	480	1	11	47.75	3.69	2.9000	1.13
3F3N52M2D3H3	10.00	3	240	1	24	51.75	5.69	2.9000	1.13
3F3N52M4D3H3	10.00	3	480	1	12	51.75	5.69	2.9000	1.13
3F3N59M4D3H3	10.00	3	480	1	12	57.75	12.69	2.9000	1.13
3F3N64M2D3H3	12.75	3	240	1	31	64.25	5.69	2.9000	1.13
3F3N64M4D3H3	12.75	3	480	1	15	64.25	5.69	2.9000	1.13
3F3N73M4D3H3	12.75	3	480	1	15	71.75	16.69	2.9000	1.13
3F3N77M4D3H3	15.00	3	480	1	18	76.75	5.69	2.9000	1.13
3F3N77M2D3H3	15.00	3	240	1	36	76.75	5.69	2.9000	1.13
3F3N88M4D3H3	16.75	3	480	1	20	88.75	5.69	2.9000	1.13
3F3N95M4D3H3	16.75	3	480	1	20	93.75	12.69	2.9000	1.13
3F3N106M4D3H3	18.75	3	480	1	23	106.25	12.69	2.9000	1.13
3F3N120M4D3H3	23.25	3	480	1	28	120.25	12.69	2.9000	1.13
3F3N140M4D3H3	26.25	3	480	1	32	140.25	16.69	2.9000	1.13

300# Flanged Immersion Heaters - Type IF

3F3N160M4D3H3	30.00	3	480	1	36	160.25	16.69	2.9000	1.13
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4 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
4F6N10M2D3H3	3.00	6	240	1	7	10.13	3.56	3.8260	1.25
4F6N13M1D3H3	4.50	6	120	1	22	13.13	3.56	3.8260	1.25
4F6N13M2D3H3	4.50	6	120	1	22	13.13	3.56	3.8260	1.25
4F6N13M4D3H3	4.50	6	480	1	5	13.13	3.56	3.8260	1.25
4F6N18M2D3H3	6.00	6	240	1	14	17.63	3.56	3.8260	1.25
4F6N18M4D3H3	6.00	6	480	1	7	17.63	3.56	3.8260	1.25
4F6N20M2D3H3	7.50	6	240	1	18	19.63	3.56	3.8260	1.25
4F6N20M4D3H3	7.50	6	480	1	9	20.13	3.56	3.8260	1.25
4F6N25M2D3H3	9.00	6	240	1	22	25.13	3.56	3.8260	1.25
4F6N25M4D3H3	9.00	6	480	1	11	25.13	3.56	3.8260	1.25
4F6N33M4D3H3	12.00	6	480	1	14	32.63	3.56	3.8260	1.25
4F6N40M2D3H3	15.00	6	240	1	36	40.13	3.56	3.8260	1.25
4F6N40M4D3H3	15.00	6	480	1	18	40.13	3.56	3.8260	1.25
4F6N48M4D3H3	18.00	6	480	1	22	47.63	3.56	3.8260	1.25
4F6N52M2D3H3	20.00	6	240	1	48	51.63	5.56	3.8260	1.25
4F6N52M4D3H3	20.00	6	480	1	24	51.63	5.56	3.8260	1.25
4F6N59M4D3H3	20.00	6	480	1	24	57.63	12.56	3.8260	1.25
4F6N64M4D3H3	25.50	6	480	1	31	64.13	5.56	3.8260	1.25
4F6N64M2D3H3	25.50	6	240	2	61	64.13	5.56	3.8260	1.25
4F6N73M4D3H3	25.50	6	480	1	31	71.63	16.56	3.8260	1.25
4F6N77M2D3H3	30.00	6	240	2	72	76.63	5.56	3.8260	1.25
4F6N77M4D3H3	30.00	6	480	1	36	76.63	5.56	3.8260	1.25
4F6N88M4D3H3	33.50	6	480	1	40	88.63	5.56	3.8260	1.25
4F6N95M4D3H3	33.50	6	480	1	40	93.63	12.56	3.8260	1.25
4F6N106M4D3H3	37.75	6	480	1	45	106.13	12.56	3.8260	1.25
4F6N120M4D3H3	46.75	6	480	2	56	120.13	12.56	3.8260	1.25
4F6N140M4D3H3	52.50	6	480	2	63	140.13	16.56	3.8260	1.25
4F6N160M4D3H3	60.00	6	480	2	72	160.13	16.56	3.8260	1.25

5 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
5F9N10M2D3H3	4.50	9	240	1	11	10.00	3.44	4.8125	1.38
5F9N13M4D3H3	6.75	9	480	1	8	13.00	3.44	4.8125	1.38
5F9N18M2D3H3	9.00	9	240	1	22	17.50	3.44	4.8125	1.38
5F9N18M4D3H3	9.00	9	480	1	11	17.50	3.44	4.8125	1.38
5F9N20M2D3H3	11.25	9	240	1	27	19.50	3.44	4.8125	1.38
5F9N20M4D3H3	11.25	9	480	1	14	20.00	3.44	4.8125	1.38
5F9N25M2D3H3	13.50	9	240	1	32	25.00	3.44	4.8125	1.38
5F9N25M4D3H3	13.50	9	480	1	16	25.00	3.44	4.8125	1.38
5F9N33M4D3H3	18.00	9	480	1	22	32.50	3.44	4.8125	1.38
5F9N40M4D3H3	22.50	9	480	1	27	40.00	3.44	4.8125	1.38
5F9N48M4D3H3	27.00	9	480	1	32	47.50	3.44	4.8125	1.38
5F9N52M4D3H3	30.00	9	480	1	36	51.50	5.44	4.8125	1.38
5F9N59M4D3H3	30.00	9	480	1	36	57.50	12.44	4.8125	1.38
5F9N64M4D3H3	38.25	9	480	1	46	64.00	5.44	4.8125	1.38
5F9N73M4D3H3	38.25	9	480	1	46	71.50	16.44	4.8125	1.38
5F9N120M4D3H3	70.00	9	480	3	84	120.00	12.44	4.8125	1.38
5F9N140M4D3H3	78.75	9	480	3	95	140.00	16.44	4.8125	1.38
5F9N160M4D3H3	90.00	9	480	3	108	160.00	16.44	4.8125	1.38

300# Flanged Immersion Heaters - Type IF

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
6F12N10M2D3H3	6.00	12	240	1	14	9.94	3.38	5.7610	1.44
6F15N10M2D3H3	7.50	15	240	1	18	9.94	3.38	5.7610	1.44
6F12N13M4D3H3	9.00	12	480	1	11	12.94	3.38	5.7610	1.44
6F15N13M4D3H3	11.25	15	480	1	14	12.94	3.38	5.7610	1.44
6F12N18M2D3H3	12.00	12	240	1	29	17.44	3.38	5.7610	1.44
6F12N18M4D3H3	12.00	12	480	1	14	17.44	3.38	5.7610	1.44
6F15N18M2D3H3	15.00	15	240	1	36	17.44	3.38	5.7610	1.44
6F15N18M4D3H3	15.00	15	480	1	18	17.44	3.38	5.7610	1.44
6F12N20M2D3H3	15.00	12	240	1	36	19.44	3.38	5.7610	1.44
6F12N20M4D3H3	15.00	12	480	1	18	19.44	3.38	5.7610	1.44
6F12N25M2D3H3	18.00	12	240	1	43	24.94	3.38	5.7610	1.44
6F12N25M4D3H3	18.00	12	480	1	22	24.94	3.38	5.7610	1.44
6F15N20M2D3H3	18.75	15	240	1	45	19.44	3.38	5.7610	1.44
6F15N20M4D3H3	18.75	15	480	1	23	19.44	3.38	5.7610	1.44
6F15N25M4D3H3	22.50	15	480	1	27	24.94	3.38	5.7610	1.44
6F12N33M4D3H3	24.00	12	480	1	29	32.44	3.38	5.7610	1.44
6F15N33M4D3H3	30.00	15	480	1	36	32.44	3.38	5.7610	1.44
6F12N40M2D3H3	30.00	12	240	2	72	39.94	3.38	5.7610	1.44
6F12N40M4D3H3	30.00	12	480	1	36	39.94	3.38	5.7610	1.44
6F12N48M4D3H3	36.00	12	480	1	43	47.44	3.38	5.7610	1.44
6F15N40M4D3H3	37.50	15	480	1	45	39.94	3.38	5.7610	1.44
6F12N52M2D3H3	40.00	12	240	2	96	51.44	5.38	5.7610	1.44
6F12N52M4D3H3	40.00	12	480	1	48	51.44	5.38	5.7610	1.44
6F12N59M4D3H3	40.00	12	480	1	48	57.44	12.38	5.7610	1.44
6F12N64M4D3H3	51.00	12	480	2	61	63.94	5.38	5.7610	1.44
6F12N73M4D3H3	51.00	12	480	2	61	71.44	16.38	5.7610	1.44
6F12N77M4D3H3	60.00	12	480	2	72	76.44	5.38	5.7610	1.44
6F12N88M4D3H3	67.00	12	480	2	81	88.44	5.38	5.7610	1.44
6F12N95M4D3H3	67.00	12	480	2	81	93.44	12.38	5.7610	1.44
6F12N106M4D3H3	75.50	12	480	2	91	105.94	12.38	5.7610	1.44
6F12N120M4D3H3	93.50	12	480	4	112	119.94	12.38	5.7610	1.44
6F12N140M4D3H3	105.00	12	480	4	126	139.94	16.38	5.7610	1.44
6F15N120M4D3H3	117.00	15	480	5	141	119.94	12.38	5.7610	1.44
6F12N160M4D3H3	120.00	12	480	4	144	159.94	16.38	5.7610	1.44
6F15N140M4D3H3	131.00	15	480	5	158	139.94	16.38	5.7610	1.44
6F15N160M4D3H3	150.00	15	480	5	180	159.94	16.38	5.7610	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
8F18N13M4D3H3	13.50	18	480	1	16	12.75	3.19	7.6250	1.63
8F24N13M4D3H3	18.00	24	480	1	22	12.75	3.19	7.6250	1.63
8F18N18M4D3H3	18.00	18	480	1	22	17.25	3.19	7.6250	1.63
8F18N20M4D3H3	22.50	18	480	1	27	19.75	3.19	7.6250	1.63
8F24N18M4D3H3	24.00	24	480	1	29	17.25	3.19	7.6250	1.63
8F18N25M4D3H3	27.00	18	480	1	32	24.75	3.19	7.6250	1.63
8F24N20M4D3H3	30.00	24	480	1	36	19.75	3.19	7.6250	1.63
8F24N25M4D3H3	36.00	24	480	1	43	24.75	3.19	7.6250	1.63
8F18N33M4D3H3	36.00	18	480	1	43	32.25	3.19	7.6250	1.63
8F18N40M4D3H3	45.00	18	480	2	54	39.75	3.19	7.6250	1.63
8F24N33M4D3H3	48.00	24	480	2	58	32.25	3.19	7.6250	1.63
8F18N48M4D3H3	54.00	18	480	2	65	47.25	3.19	7.6250	1.63
8F24N40M4D3H3	60.00	24	480	2	72	39.75	3.19	7.6250	1.63

300# Flanged Immersion Heaters - Type IF

8F18N52M4D3H3	60.00	18	480	2	72	51.25	5.19	7.6250	1.63
8F18N59M4D3H3	60.00	18	480	2	72	57.25	12.19	7.6250	1.63
8F24N48M4D3H3	72.00	24	480	2	87	47.25	3.19	7.6250	1.63
8F18N64M4D3H3	76.50	18	480	2	92	63.75	5.19	7.6250	1.63
8F18N73M4D3H3	76.50	18	480	2	92	71.25	16.19	7.6250	1.63
8F24N52M4D3H3	80.00	24	480	2	96	51.25	5.19	7.6250	1.63
8F24N59M4D3H3	80.00	24	480	2	96	57.25	12.19	7.6250	1.63
8F18N77M4D3H3	90.00	18	480	3	108	76.25	5.19	7.6250	1.63
8F18N88M4D3H3	100.50	18	480	3	121	88.25	5.19	7.6250	1.63
8F18N95M4D3H3	100.50	18	480	3	121	93.25	12.19	7.6250	1.63
8F24N64M4D3H3	102.00	24	480	4	123	63.75	5.19	7.6250	1.63
8F24N73M4D3H3	102.00	24	480	4	123	71.25	16.19	7.6250	1.63
8F18N106M4D3H3	113.00	18	480	3	136	105.75	12.19	7.6250	1.63
8F24N77M4D3H3	120.00	24	480	4	144	76.25	5.19	7.6250	1.63
8F24N88M4D3H3	134.00	24	480	4	161	88.25	5.19	7.6250	1.63
8F24N95M4D3H3	134.00	24	480	4	161	93.25	12.19	7.6250	1.63
8F18N120M4D3H3	140.00	18	480	6	168	119.75	12.19	7.6250	1.63
8F24N106M4D3H3	151.00	24	480	4	182	105.75	12.19	7.6250	1.63
8F18N140M4D3H3	157.50	18	480	6	189	139.75	16.19	7.6250	1.63
8F18N160M4D3H3	180.00	18	480	6	217	159.75	16.19	7.6250	1.63
8F24N120M4D3H3	187.00	24	480	8	225	119.75	12.19	7.6250	1.63
8F24N140M4D3H3	210.00	24	480	8	253	139.75	16.19	7.6250	1.63
8F24N160M4D3H3	240.00	24	480	8	289	159.75	16.19	7.6250	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
10F30N13M4D3H3	22.50	30	480	1	27	12.50	2.94	9.7500	1.88
10F36N13M4D3H3	27.00	36	480	1	32	12.50	2.94	9.7500	1.88
10F30N18M4D3H3	30.00	30	480	1	36	17.00	2.94	9.7500	1.88
10F36N18M4D3H3	36.00	36	480	1	43	17.00	2.94	9.7500	1.88
10F30N20M4D3H3	37.50	30	480	1	45	19.50	2.94	9.7500	1.88
10F36N20M4D3H3	45.00	36	480	2	54	19.50	2.94	9.7500	1.88
10F30N25M4D3H3	45.00	30	480	2	54	24.50	2.94	9.7500	1.88
10F36N25M4D3H3	54.00	36	480	2	65	24.50	2.94	9.7500	1.88
10F30N33M4D3H3	60.00	30	480	2	72	32.00	2.94	9.7500	1.88
10F36N33M4D3H3	72.00	36	480	2	87	32.00	2.94	9.7500	1.88
10F30N40M4D3H3	75.00	30	480	2	90	39.50	2.94	9.7500	1.88
10F36N40M4D3H3	90.00	36	480	3	108	39.50	2.94	9.7500	1.88
10F30N52M4D3H3	100.00	30	480	5	120	51.00	4.94	9.7500	1.88
10F30N59M4D3H3	100.00	30	480	5	120	57.00	11.94	9.7500	1.88
10F36N48M4D3H3	108.00	36	480	3	130	47.00	2.94	9.7500	1.88
10F36N52M4D3H3	120.00	36	480	3	144	51.00	4.94	9.7500	1.88
10F36N59M4D3H3	120.00	36	480	3	144	57.00	11.94	9.7500	1.88
10F36N66MX43H3	120.00	36	480	0	144	64.00	18.94	9.7500	1.88
10F30N64M4D3H3	127.50	30	480	5	153	63.50	4.94	9.7500	1.88
10F30N73M4D3H3	127.50	30	480	5	153	71.00	15.94	9.7500	1.88
10F30N77M4D3H3	150.00	30	480	5	180	76.00	4.94	9.7500	1.88
10F36N64M4D3H3	153.00	36	480	4	184	63.50	4.94	9.7500	1.88
10F36N73M4D3H3	153.00	36	480	4	184	71.00	15.94	9.7500	1.88
10F30N88M4D3H3	168.00	30	480	5	202	88.00	4.94	9.7500	1.88
10F30N95M4D3H3	168.00	30	480	5	202	93.00	11.94	9.7500	1.88
10F36N77M4D3H3	180.00	36	480	6	217	76.00	4.94	9.7500	1.88
10F30N106M4D3H3	189.00	30	480	5	227	105.50	11.94	9.7500	1.88
10F36N88M4D3H3	201.50	36	480	6	242	88.00	4.94	9.7500	1.88

300# Flanged Immersion Heaters - Type IF

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
16F84N88M4D3H3	470.00	84	480	14	565	87.63	4.56	15.0000	2.25
16F84N95M4D3H3	470.00	84	480	14	565	92.63	11.56	15.0000	2.25
16F90N88M4D3H3	504.00	90	480	15	606	87.63	4.56	15.0000	2.25
16F90N95M4D3H3	504.00	90	480	15	606	92.63	11.56	15.0000	2.25
16F84N106M4D3H3	529.00	84	480	14	636	105.13	11.56	15.0000	2.25
16F96N88M4D3H3	538.00	96	480	16	647	87.63	4.56	15.0000	2.25
16F96N95M4D3H3	538.00	96	480	16	647	92.63	11.56	15.0000	2.25
16F90N106M4D3H3	567.00	90	480	15	682	105.13	11.56	15.0000	2.25
16F96N106M4D3H3	605.00	96	480	16	728	105.13	11.56	15.0000	2.25
16F84N120M4D3H3	655.00	84	480	28	788	119.13	11.56	15.0000	2.25
16F90N120M4D3H3	702.00	90	480	30	844	119.13	11.56	15.0000	2.25
16F84N140M4D3H3	735.00	84	480	28	884	139.13	15.56	15.0000	2.25
16F96N120M4D3H3	749.00	96	480	32	901	119.13	11.56	15.0000	2.25
16F90N140M4D3H3	788.00	90	480	30	948	139.13	15.56	15.0000	2.25
16F96N140M4D3H3	840.00	96	480	32	1,010	139.13	15.56	15.0000	2.25
16F84N160M4D3H3	840.00	84	480	28	1,010	159.13	15.56	15.0000	2.25
16F90N160M4D3H3	900.00	90	480	30	1,083	159.13	15.56	15.0000	2.25
16F96N160M4D3H3	960.00	96	480	32	1,155	159.13	15.56	15.0000	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
18F108N88M4D3H3	605.00	108	480	18	728	87.50	4.44	17.0000	2.38
18F108N95M4D3H3	605.00	108	480	18	728	92.50	11.44	17.0000	2.38
18F108N106M4D3H3	680.00	108	480	18	818	105.00	11.44	17.0000	2.38
18F108N120M4D3H3	842.00	108	480	36	1,013	119.00	11.44	17.0000	2.38
18F108N140M4D3H3	945.00	108	480	36	1,137	139.00	15.44	17.0000	2.38
18F108N160M4D3H3	1,080.00	108	480	36	1,299	159.00	15.44	17.0000	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
20F120N88M4D3H3	672.00	120	480	20	808	87.38	4.31	19.0000	2.50
20F120N95M4D3H3	672.00	120	480	20	808	92.38	11.31	19.0000	2.50
20F126N88M4D3H3	706.00	126	480	21	849	87.38	4.31	19.0000	2.50
20F126N95M4D3H3	706.00	126	480	21	849	92.38	11.31	19.0000	2.50
20F132N88M4D3H3	739.00	132	480	22	889	87.38	4.31	19.0000	2.50
20F132N95M4D3H3	739.00	132	480	22	889	92.38	11.31	19.0000	2.50
20F120N106M4D3H3	756.00	120	480	20	909	104.88	11.31	19.0000	2.50
20F126N106M4D3H3	794.00	126	480	21	955	104.88	11.31	19.0000	2.50
20F144N88M4D3H3	806.00	144	480	24	969	87.38	4.31	19.0000	2.50
20F144N95M4D3H3	806.00	144	480	24	969	92.38	11.31	19.0000	2.50
20F132N106M4D3H3	832.00	132	480	22	1,001	104.88	11.31	19.0000	2.50
20F162N88M4D3H3	907.00	162	480	27	1,091	87.38	4.31	19.0000	2.50
20F162N95M4D3H3	907.00	162	480	27	1,091	92.38	11.31	19.0000	2.50
20F144N106M4D3H3	907.00	144	480	24	1,091	104.88	11.31	19.0000	2.50
20F120N120M4D3H3	936.00	120	480	40	1,126	118.88	11.31	19.0000	2.50
20F126N120M4D3H3	983.00	126	480	42	1,182	118.88	11.31	19.0000	2.50
20F180N88M4D3H3	1,008.00	180	480	30	1,212	87.38	4.31	19.0000	2.50
20F180N95M4D3H3	1,008.00	180	480	30	1,212	92.38	11.31	19.0000	2.50
20F162N106M4D3H3	1,021.00	162	480	27	1,228	104.88	11.31	19.0000	2.50
20F132N120M4D3H3	1,030.00	132	480	44	1,239	118.88	11.31	19.0000	2.50
20F120N140M4D3H3	1,050.00	120	480	40	1,263	138.88	15.31	19.0000	2.50
20F126N140M4D3H3	1,103.00	126	480	42	1,327	138.88	15.31	19.0000	2.50

300# Flanged Immersion Heaters - Type IF

20F144N120M4D3H3	1,123.00	144	480	48	1,351	118.88	11.31	19.0000	2.50
20F180N106M4D3H3	1,134.00	180	480	30	1,364	104.88	11.31	19.0000	2.50
20F132N140M4D3H3	1,155.00	132	480	44	1,389	138.88	15.31	19.0000	2.50
20F120N160M4D3H3	1,200.00	120	480	40	1,443	158.88	15.31	19.0000	2.50
20F144N140M4D3H3	1,260.00	144	480	48	1,516	138.88	15.31	19.0000	2.50
20F126N160M4D3H3	1,260.00	126	480	42	1,516	158.88	15.31	19.0000	2.50
20F162N120M4D3H3	1,264.00	162	480	54	1,520	118.88	11.31	19.0000	2.50
20F132N160M4D3H3	1,320.00	132	480	44	1,588	158.88	15.31	19.0000	2.50
20F180N120M4D3H3	1,404.00	180	480	60	1,689	118.88	11.31	19.0000	2.50
20F162N140M4D3H3	1,418.00	162	480	54	1,706	138.88	15.31	19.0000	2.50
20F144N160M4D3H3	1,440.00	144	480	48	1,732	158.88	15.31	19.0000	2.50
20F180N140M4D3H3	1,575.00	180	480	60	1,894	138.88	15.31	19.0000	2.50
20F162N160M4D3H3	1,620.00	162	480	54	1,949	158.88	15.31	19.0000	2.50
20F180N160M4D3H3	1,800.00	180	480	60	2,165	158.88	15.31	19.0000	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
24F192N88M4D3H3	1,075.00	192	480	32	1,293	87.13	4.06	23.0000	2.75
24F192N95M4D3H3	1,075.00	192	480	32	1,293	92.13	11.06	23.0000	2.75
24F216N88M4D3H3	1,210.00	216	480	36	1,455	87.13	4.06	23.0000	2.75
24F216N95M4D3H3	1,210.00	216	480	36	1,455	92.13	11.06	23.0000	2.75
24F192N106M4D3H3	1,210.00	192	480	32	1,455	104.63	11.06	23.0000	2.75
24F234N88M4D3H3	1,310.00	234	480	39	1,576	87.13	4.06	23.0000	2.75
24F234N95M4D3H3	1,310.00	234	480	39	1,576	92.13	11.06	23.0000	2.75
24F240N88M4D3H3	1,344.00	240	480	40	1,617	87.13	4.06	23.0000	2.75
24F240N95M4D3H3	1,344.00	240	480	40	1,617	92.13	11.06	23.0000	2.75
24F216N106M4D3H3	1,361.00	216	480	36	1,637	104.63	11.06	23.0000	2.75
24F234N106M4D3H3	1,474.00	234	480	39	1,773	104.63	11.06	23.0000	2.75
24F192N120M4D3H3	1,498.00	192	480	64	1,802	118.63	11.06	23.0000	2.75
24F240N106M4D3H3	1,512.00	240	480	40	1,819	104.63	11.06	23.0000	2.75
24F192N140M4D3H3	1,680.00	192	480	64	2,021	138.63	15.06	23.0000	2.75
24F216N120M4D3H3	1,685.00	216	480	72	2,027	118.63	11.06	23.0000	2.75
24F234N120M4D3H3	1,825.00	234	480	78	2,195	118.63	11.06	23.0000	2.75
24F240N120M4D3H3	1,872.00	240	480	80	2,252	118.63	11.06	23.0000	2.75
24F216N140M4D3H3	1,890.00	216	480	72	2,273	138.63	15.06	23.0000	2.75
24F192N160M4D3H3	1,920.00	192	480	64	2,309	158.63	15.06	23.0000	2.75
24F234N140M4D3H3	2,048.00	234	480	78	2,463	138.63	15.06	23.0000	2.75
24F240N140M4D3H3	2,100.00	240	480	80	2,526	138.63	15.06	23.0000	2.75
24F216N160M4D3H3	2,160.00	216	480	72	2,598	158.63	15.06	23.0000	2.75
24F234N160M4D3H3	2,340.00	234	480	78	2,815	158.63	15.06	23.0000	2.75
24F240N160M4D3H3	2,400.00	240	480	80	2,887	158.63	15.06	23.0000	2.75

20 Watts/Sq. Inch

3 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
3F3N18B4Y3H3	2.50	3	480	1	3	17.75	3.69	2.9000	1.13
3F3N20B4Y3H3	2.88	3	480	1	3	19.75	3.69	2.9000	1.13
3F3N25B4Y3H3	3.75	3	480	1	5	25.25	3.69	2.9000	1.13
3F3N25B2Y3H3	3.75	3	240	1	9	25.25	3.69	2.9000	1.13
3F3N33B2Y3H3	5.00	3	240	1	12	32.75	3.69	2.9000	1.13
3F3N33B4Y3H3	5.00	3	480	1	6	32.75	3.69	2.9000	1.13
3F3N38B4Y3H3	6.00	3	480	1	7	38.25	5.69	2.9000	1.13
3F3N36B4Y3H3	6.38	3	480	1	8	35.75	3.69	2.9000	1.13
3F3N43B4Y3H3	6.63	3	480	1	8	42.75	5.69	2.9000	1.13

300# Flanged Immersion Heaters - Type IF

3F3N52B4Y3H3	8.25	3	480	1	10	51.75	5.69	2.9000	1.13
3F3N52B2Y3H3	8.25	3	240	1	20	51.75	5.69	2.9000	1.13
3F3N57B4Y3H3	8.25	3	480	1	10	56.75	10.69	2.9000	1.13
3F3N61B4Y3H3	10.00	3	480	1	12	61.25	5.69	2.9000	1.13
3F3N68B4Y3H3	10.00	3	480	1	12	68.25	12.69	2.9000	1.13
3F3N88B4Y3H3	14.75	3	480	1	18	88.75	5.69	2.9000	1.13
3F3N106B4Y3H3	16.50	3	480	1	20	106.25	12.69	2.9000	1.13
3F3N120B4Y3H3	19.00	3	480	1	23	120.25	12.69	2.9000	1.13

4 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
4F6N18B4Y3H3	5.00	6	480	1	6	17.63	3.56	3.8260	1.25
4F6N20B4Y3H3	5.75	6	480	1	7	19.63	3.56	3.8260	1.25
4F6N25B4Y3H3	7.63	6	480	1	9	25.13	3.56	3.8260	1.25
4F6N25B2Y3H3	7.63	6	240	1	18	25.13	3.56	3.8260	1.25
4F6N33B4Y3H3	10.00	6	480	1	12	32.63	3.56	3.8260	1.25
4F6N33B2Y3H3	10.00	6	240	1	24	32.63	3.56	3.8260	1.25
4F6N38B4Y3H3	12.00	6	480	1	14	38.13	5.56	3.8260	1.25
4F6N36B4Y3H3	12.75	6	480	1	15	35.63	3.56	3.8260	1.25
4F6N43B4Y3H3	13.25	6	480	1	16	42.63	5.56	3.8260	1.25
4F6N52B4Y3H3	16.50	6	480	1	20	51.63	5.56	3.8260	1.25
4F6N52B2Y3H3	16.50	6	240	1	40	51.63	5.56	3.8260	1.25
4F6N57B4Y3H3	16.50	6	480	1	20	56.63	10.56	3.8260	1.25
4F6N61B4Y3H3	20.00	6	480	1	24	61.13	5.56	3.8260	1.25
4F6N68B4Y3H3	20.00	6	480	1	24	68.13	12.56	3.8260	1.25
4F6N88B4Y3H3	29.50	6	480	1	35	88.63	5.56	3.8260	1.25
4F6N106B4Y3H3	33.25	6	480	1	40	106.13	12.56	3.8260	1.25
4F6N120B4Y3H3	38.00	6	480	1	46	120.13	12.56	3.8260	1.25

5 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
5F9N18B4Y3H3	7.50	9	480	1	9	17.50	3.44	4.8125	1.38
5F9N20B4Y3H3	8.63	9	480	1	10	19.50	3.44	4.8125	1.38
5F9N25B4Y3H3	11.50	9	480	1	14	25.00	3.44	4.8125	1.38
5F9N25B2Y3H3	11.50	9	240	1	28	25.00	3.44	4.8125	1.38
5F9N33B2Y3H3	15.00	9	240	1	36	32.50	3.44	4.8125	1.38
5F9N33B4Y3H3	15.00	9	480	1	18	32.50	3.44	4.8125	1.38
5F9N38B4Y3H3	18.00	9	480	1	22	38.00	5.44	4.8125	1.38
5F9N36B4Y3H3	19.25	9	480	1	23	35.50	3.44	4.8125	1.38
5F9N43B4Y3H3	20.00	9	480	1	24	42.50	5.44	4.8125	1.38
5F9N52B4Y3H3	25.00	9	480	1	30	51.50	5.44	4.8125	1.38
5F9N57B4Y3H3	25.00	9	480	1	30	56.50	10.44	4.8125	1.38
5F9N61B4Y3H3	30.00	9	480	1	36	61.00	5.44	4.8125	1.38
5F9N68B4Y3H3	30.00	9	480	1	36	68.00	12.44	4.8125	1.38

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
6F12N18B4Y3H3	10.00	12	480	1	12	17.44	3.38	5.7610	1.44
6F12N20B4Y3H3	11.50	12	480	1	14	19.44	3.38	5.7610	1.44
6F15N18B4Y3H3	12.50	15	480	1	15	17.44	3.38	5.7610	1.44
6F15N20B4Y3H3	14.50	15	480	1	17	19.44	3.38	5.7610	1.44
6F12N25B2Y3H3	15.25	12	240	1	37	24.94	3.38	5.7610	1.44
6F12N25B4Y3H3	15.25	12	480	1	18	24.94	3.38	5.7610	1.44

300# Flanged Immersion Heaters - Type IF

6F15N25B2Y3H3	19.25	15	240	1	46	24.94	3.38	5.7610	1.44
6F15N25B4Y3H3	19.25	15	480	1	23	24.94	3.38	5.7610	1.44
6F12N33B2Y3H3	20.00	12	240	1	48	32.44	3.38	5.7610	1.44
6F12N33B4Y3H3	20.00	12	480	1	24	32.44	3.38	5.7610	1.44
6F12N38B4Y3H3	24.00	12	480	1	29	37.94	5.38	5.7610	1.44
6F15N33B4Y3H3	25.00	15	480	1	30	32.44	3.38	5.7610	1.44
6F12N36B4Y3H3	25.75	12	480	1	31	35.44	3.38	5.7610	1.44
6F12N43B4Y3H3	26.50	12	480	1	32	42.44	5.38	5.7610	1.44
6F15N38B4Y3H3	30.00	15	480	1	36	37.94	5.38	5.7610	1.44
6F15N36B4Y3H3	32.25	15	480	1	39	35.44	3.38	5.7610	1.44
6F15N43B4Y3H3	33.25	15	480	1	40	42.44	5.38	5.7610	1.44
6F12N52B4Y3H3	33.25	12	480	1	40	51.44	5.38	5.7610	1.44
6F12N52B2Y3H3	33.25	12	240	2	80	51.44	5.38	5.7610	1.44
6F12N57B4Y3H3	33.25	12	480	1	40	56.44	10.38	5.7610	1.44
6F12N61B4Y3H3	40.00	12	480	1	48	60.94	5.38	5.7610	1.44
6F12N68B4Y3H3	40.00	12	480	1	48	67.94	12.38	5.7610	1.44
6F12N88B4Y3H3	59.00	12	480	2	71	88.44	5.38	5.7610	1.44
6F12N106B4Y3H3	66.50	12	480	2	80	105.94	12.38	5.7610	1.44
6F12N120B4Y3H3	76.00	12	480	2	91	119.94	12.38	5.7610	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
8F18N18B4Y3H3	15.00	18	480	1	18	17.25	3.19	7.6250	1.63
8F18N20B4Y3H3	17.25	18	480	1	21	19.25	3.19	7.6250	1.63
8F24N18B4Y3H3	20.00	24	480	1	24	17.25	3.19	7.6250	1.63
8F24N20B4Y3H3	23.00	24	480	1	28	19.25	3.19	7.6250	1.63
8F18N25B4Y3H3	23.00	18	480	1	28	24.75	3.19	7.6250	1.63
8F18N33B4Y3H3	30.00	18	480	1	36	32.25	3.19	7.6250	1.63
8F24N25B4Y3H3	30.75	24	480	1	37	24.75	3.19	7.6250	1.63
8F18N38B4Y3H3	36.00	18	480	1	43	37.75	5.19	7.6250	1.63
8F18N36B4Y3H3	38.50	18	480	1	46	35.25	3.19	7.6250	1.63
8F24N33B4Y3H3	40.00	24	480	1	48	32.25	3.19	7.6250	1.63
8F18N43B4Y3H3	40.00	18	480	1	48	42.25	5.19	7.6250	1.63
8F24N38B4Y3H3	48.00	24	480	2	58	37.75	5.19	7.6250	1.63
8F18N52B4Y3H3	50.00	18	480	2	60	51.25	5.19	7.6250	1.63
8F18N57B4Y3H3	50.00	18	480	2	60	56.25	10.19	7.6250	1.63
8F24N36B4Y3H3	51.50	24	480	2	62	35.25	3.19	7.6250	1.63
8F24N43B4Y3H3	53.25	24	480	2	64	42.25	5.19	7.6250	1.63
8F18N61B4Y3H3	60.00	18	480	2	72	60.75	5.19	7.6250	1.63
8F18N68B4Y3H3	60.00	18	480	2	72	67.75	12.19	7.6250	1.63
8F24N52B4Y3H3	66.50	24	480	2	80	51.25	5.19	7.6250	1.63
8F24N57B4Y3H3	66.50	24	480	2	80	56.25	10.19	7.6250	1.63
8F24N61B4Y3H3	80.00	24	480	2	96	60.75	5.19	7.6250	1.63
8F24N68B4Y3H3	80.00	24	480	2	96	67.75	12.19	7.6250	1.63
8F18N88B4Y3H3	88.75	18	480	3	107	88.25	5.19	7.6250	1.63
8F18N106B4Y3H3	100.00	18	480	3	120	105.75	12.19	7.6250	1.63
8F18N120B4Y3H3	114.00	18	480	3	137	119.75	12.19	7.6250	1.63
8F24N88B4Y3H3	118.00	24	480	4	142	88.25	5.19	7.6250	1.63
8F24N106B4Y3H3	133.00	24	480	4	160	105.75	12.19	7.6250	1.63
8F24N120B4Y3H3	152.00	24	480	4	183	119.75	12.19	7.6250	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
10F30N18B4Y3H3	25.00	30	480	1	30	17.00	2.94	9.7500	1.88

300# Flanged Immersion Heaters - Type IF

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
16F84N88B4Y3H3	414.00	84	480	14	498	87.63	4.56	15.0000	2.25
16F90N88B4Y3H3	444.00	90	480	15	534	87.63	4.56	15.0000	2.25
16F84N106B4Y3H3	466.50	84	480	14	561	105.13	11.56	15.0000	2.25
16F96N88B4Y3H3	473.50	96	480	16	570	87.63	4.56	15.0000	2.25
16F90N106B4Y3H3	500.00	90	480	15	601	105.13	11.56	15.0000	2.25
16F84N120B4Y3H3	532.00	84	480	14	640	119.13	11.56	15.0000	2.25
16F96N106B4Y3H3	533.00	96	480	16	641	105.13	11.56	15.0000	2.25
16F90N120B4Y3H3	570.00	90	480	15	686	119.13	11.56	15.0000	2.25
16F96N120B4Y3H3	608.00	96	480	16	731	119.13	11.56	15.0000	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
18F108N88B4Y3H3	533.00	108	480	18	641	87.50	4.44	17.0000	2.38
18F108N106B4Y3H3	600.00	108	480	18	722	105.00	11.44	17.0000	2.38
18F108N120B4Y3H3	684.00	108	480	18	823	119.00	11.44	17.0000	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
20F120N88B4Y3H3	592.00	120	480	20	712	87.38	4.31	19.0000	2.50
20F126N88B4Y3H3	622.00	126	480	21	748	87.38	4.31	19.0000	2.50
20F132N88B4Y3H3	651.00	132	480	22	783	87.38	4.31	19.0000	2.50
20F120N106B4Y3H3	667.00	120	480	20	802	104.88	11.31	19.0000	2.50
20F126N106B4Y3H3	700.00	126	480	21	842	104.88	11.31	19.0000	2.50
20F144N88B4Y3H3	710.00	144	480	24	854	87.38	4.31	19.0000	2.50
20F132N106B4Y3H3	733.00	132	480	22	882	104.88	11.31	19.0000	2.50
20F120N120B4Y3H3	760.00	120	480	20	914	118.88	11.31	19.0000	2.50
20F126N120B4Y3H3	798.00	126	480	21	960	118.88	11.31	19.0000	2.50
20F162N88B4Y3H3	799.00	162	480	27	961	87.38	4.31	19.0000	2.50
20F144N106B4Y3H3	800.00	144	480	24	962	104.88	11.31	19.0000	2.50
20F132N120B4Y3H3	836.00	132	480	22	1,006	118.88	11.31	19.0000	2.50
20F180N88B4Y3H3	888.00	180	480	30	1,068	87.38	4.31	19.0000	2.50
20F162N106B4Y3H3	900.00	162	480	27	1,083	104.88	11.31	19.0000	2.50
20F144N120B4Y3H3	912.00	144	480	24	1,097	118.88	11.31	19.0000	2.50
20F180N106B4Y3H3	1,000.00	180	480	30	1,203	104.88	11.31	19.0000	2.50
20F162N120B4Y3H3	1,026.00	162	480	27	1,234	118.88	11.31	19.0000	2.50
20F180N120B4Y3H3	1,140.00	180	480	30	1,371	118.88	11.31	19.0000	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
24F192N88B4Y3H3	947.00	192	480	32	1,139	87.13	4.06	23.0000	2.75
24F216N88B4Y3H3	1,066.00	216	480	36	1,282	87.13	4.06	23.0000	2.75
24F192N106B4Y3H3	1,067.00	192	480	32	1,283	104.63	11.06	23.0000	2.75
24F234N88B4Y3H3	1,154.00	234	480	39	1,388	87.13	4.06	23.0000	2.75
24F240N88B4Y3H3	1,184.00	240	480	40	1,424	87.13	4.06	23.0000	2.75
24F216N106B4Y3H3	1,200.00	216	480	36	1,443	104.63	11.06	23.0000	2.75
24F192N120B4Y3H3	1,216.00	192	480	32	1,463	118.63	11.06	23.0000	2.75
24F234N106B4Y3H3	1,300.00	234	480	39	1,564	104.63	11.06	23.0000	2.75
24F240N106B4Y3H3	1,333.00	240	480	40	1,603	104.63	11.06	23.0000	2.75
24F216N120B4Y3H3	1,368.00	216	480	36	1,645	118.63	11.06	23.0000	2.75
24F234N120B4Y3H3	1,482.00	234	480	39	1,783	118.63	11.06	23.0000	2.75
24F240N120B4Y3H3	1,520.00	240	480	40	1,828	118.63	11.06	23.0000	2.75

300# Flanged Immersion Heaters - Type IF

15 Watts/Sq. Inch

3 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
3F3N10H4Y3H3	1.00	3	480	1	1	10.25	3.69	2.9000	1.13
3F3N18H2Y3H3	2.00	3	240	1	5	17.75	3.69	2.9000	1.13
3F3N18H4Y3H3	2.00	3	480	1	2	17.75	3.69	2.9000	1.13
3F3N20H4Y3H3	2.50	3	480	1	3	19.75	3.69	2.9000	1.13
3F3N20H2Y3H3	2.50	3	240	1	6	19.75	3.69	2.9000	1.13
3F3N25H4Y3H3	3.00	3	480	1	4	25.25	3.69	2.9000	1.13
3F3N25H2Y3H3	3.00	3	240	1	7	25.25	3.69	2.9000	1.13
3F3N33H2Y3H3	4.00	3	240	1	10	32.75	3.69	2.9000	1.13
3F3N33H4Y3H3	4.00	3	480	1	5	32.75	3.69	2.9000	1.13
3F3N40H2Y3H3	5.00	3	240	1	12	40.25	3.69	2.9000	1.13
3F3N40H4Y3H3	5.00	3	480	1	6	40.25	3.69	2.9000	1.13
3F3N48H4Y3H3	6.00	3	480	1	7	47.75	3.69	2.9000	1.13
3F3N52H4Y3H3	6.00	3	480	1	7	51.75	5.69	2.9000	1.13
3F3N61H4Y3H3	8.25	3	480	1	10	61.25	5.69	2.9000	1.13
3F3N68H4Y3H3	8.25	3	480	1	10	68.25	12.69	2.9000	1.13
3F3N80H4Y3H3	11.00	3	480	1	13	78.75	10.69	2.9000	1.13
3F3N88H4Y3H3	12.50	3	480	1	15	88.75	5.69	2.9000	1.13
3F3N95H4Y3H3	12.50	3	480	1	15	95.75	12.69	2.9000	1.13
3F3N120H4Y3H3	15.00	3	480	1	18	120.25	14.19	2.9000	1.13
3F3N140H4Y3H3	17.50	3	480	1	21	140.25	16.69	2.9000	1.13
3F3N160H4Y3H3	20.00	3	480	1	24	160.25	16.69	2.9000	1.13

4 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
4F6N10H4Y3H3	2.00	6	480	1	2	10.13	3.56	3.8260	1.25
4F6N18B4S3H3	3.75	6	480	1	5	17.63	3.56	3.8260	1.25
4F6N18H2Y3H3	4.00	6	240	1	10	17.63	3.56	3.8260	1.25
4F6N18H4Y3H3	4.00	6	480	1	5	17.63	3.56	3.8260	1.25
4F6N20B4S3H3	4.25	6	480	1	5	19.63	3.56	3.8260	1.25
4F6N20H4Y3H3	5.00	6	480	1	6	19.63	3.56	3.8260	1.25
4F6N20H2Y3H3	5.00	6	240	1	12	19.63	3.56	3.8260	1.25
4F6N25B4S3H3	5.75	6	480	1	7	25.13	3.56	3.8260	1.25
4F6N25B2S3H3	5.75	6	240	1	14	25.13	3.56	3.8260	1.25
4F6N25H2Y3H3	6.00	6	240	1	14	25.13	3.56	3.8260	1.25
4F6N25H4Y3H3	6.00	6	480	1	7	25.13	3.56	3.8260	1.25
4F6N33B2S3H3	7.50	6	240	1	18	32.63	3.56	3.8260	1.25
4F6N33B4S3H3	7.50	6	480	1	9	32.63	3.56	3.8260	1.25
4F6N33H4Y3H3	8.00	6	480	1	10	32.63	3.56	3.8260	1.25
4F6N33H2Y3H3	8.00	6	240	1	19	32.63	3.56	3.8260	1.25
4F6N38B4S3H3	9.00	6	480	1	11	38.13	5.56	3.8260	1.25
4F6N36B4S3H3	9.63	6	480	1	12	35.63	3.56	3.8260	1.25
4F6N40H2Y3H3	10.00	6	240	1	24	40.13	3.56	3.8260	1.25
4F6N40H4Y3H3	10.00	6	480	1	12	40.13	3.56	3.8260	1.25
4F6N43B4S3H3	10.00	6	480	1	12	42.63	5.56	3.8260	1.25
4F6N48H4Y3H3	12.00	6	480	1	14	47.63	3.56	3.8260	1.25
4F6N52H4Y3H3	12.00	6	480	1	14	51.63	5.56	3.8260	1.25
4F6N52B4S3H3	12.50	6	480	1	15	51.63	5.56	3.8260	1.25
4F6N52B2S3H3	12.50	6	240	1	30	51.63	5.56	3.8260	1.25
4F6N57B4S3H3	12.50	6	480	1	15	56.63	10.56	3.8260	1.25
4F6N61B4S3H3	15.00	6	480	1	18	61.13	5.56	3.8260	1.25
4F6N68B4S3H3	15.00	6	480	1	18	68.13	12.56	3.8260	1.25

300# Flanged Immersion Heaters - Type IF

4F6N61H4Y3H3	16.50	6	480	1	20	61.13	5.56	3.8260	1.25
4F6N68H4Y3H3	16.50	6	480	1	20	68.13	12.56	3.8260	1.25
4F6N80H4Y3H3	22.00	6	480	1	26	78.63	10.56	3.8260	1.25
4F6N88B4S3H3	22.00	6	480	1	26	88.63	5.56	3.8260	1.25
4F6N88H4Y3H3	25.00	6	480	1	30	88.63	5.56	3.8260	1.25
4F6N95H4Y3H3	25.00	6	480	1	30	95.63	12.56	3.8260	1.25
4F6N106B4S3H3	25.00	6	480	1	30	106.13	12.56	3.8260	1.25
4F6N120B4S3H3	28.50	6	480	1	34	120.13	12.56	3.8260	1.25
4F6N120H4Y3H3	30.00	6	480	1	36	120.13	14.06	3.8260	1.25
4F6N140H4Y3H3	35.00	6	480	1	42	140.13	16.56	3.8260	1.25
4F6N160H4Y3H3	40.00	6	480	1	48	160.13	16.56	3.8260	1.25

5 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
5F9N10H4Y3H3	3.00	9	480	1	4	10.00	3.44	4.8125	1.38
5F9N18H4Y3H3	6.00	9	480	1	7	17.50	3.44	4.8125	1.38
5F9N18H2Y3H3	6.00	9	240	1	14	17.50	3.44	4.8125	1.38
5F9N20H2Y3H3	7.50	9	240	1	18	19.50	3.44	4.8125	1.38
5F9N20H4Y3H3	7.50	9	480	1	9	19.50	3.44	4.8125	1.38
5F9N25H2Y3H3	9.00	9	240	1	22	25.00	3.44	4.8125	1.38
5F9N25H4Y3H3	9.00	9	480	1	11	25.00	3.44	4.8125	1.38
5F9N33H2Y3H3	12.00	9	240	1	29	32.50	3.44	4.8125	1.38
5F9N33H4Y3H3	12.00	9	480	1	14	32.50	3.44	4.8125	1.38
5F9N40H2Y3H3	15.00	9	240	1	36	40.00	3.44	4.8125	1.38
5F9N40H4Y3H3	15.00	9	480	1	18	40.00	3.44	4.8125	1.38
5F9N48H4Y3H3	18.00	9	480	1	22	47.50	3.44	4.8125	1.38
5F9N52H4Y3H3	18.00	9	480	1	22	51.50	5.44	4.8125	1.38
5F9N61H4Y3H3	25.00	9	480	1	30	61.00	5.44	4.8125	1.38
5F9N68H4Y3H3	25.00	9	480	1	30	68.00	12.44	4.8125	1.38
5F9N80H4Y3H3	33.25	9	480	1	40	78.50	10.44	4.8125	1.38
5F9N88H4Y3H3	37.50	9	480	1	45	88.50	5.44	4.8125	1.38
5F9N95H4Y3H3	37.50	9	480	1	45	95.50	12.44	4.8125	1.38
5F9N160H4Y3H3	60.00	9	480	3	72	160.00	16.44	4.8125	1.38

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
6F12N10H4Y3H3	4.00	12	480	1	5	9.94	3.38	5.7610	1.44
6F15N10H4Y3H3	5.00	15	480	1	6	9.94	3.38	5.7610	1.44
6F12N18B4S3H3	7.50	12	480	1	9	17.44	3.38	5.7610	1.44
6F12N18H2Y3H3	8.00	12	240	1	19	17.44	3.38	5.7610	1.44
6F12N18H4Y3H3	8.00	12	480	1	10	17.44	3.38	5.7610	1.44
6F12N20B4S3H3	8.63	12	480	1	10	19.44	3.38	5.7610	1.44
6F15N18H4Y3H3	10.00	15	480	1	12	17.44	3.38	5.7610	1.44
6F15N18H2Y3H3	10.00	15	240	1	24	17.44	3.38	5.7610	1.44
6F12N20H2Y3H3	10.00	12	240	1	24	19.44	3.38	5.7610	1.44
6F12N20H4Y3H3	10.00	12	480	1	12	19.44	3.38	5.7610	1.44
6F12N25B4S3H3	11.50	12	480	1	14	24.94	3.38	5.7610	1.44
6F12N25B2S3H3	11.50	12	240	1	28	24.94	3.38	5.7610	1.44
6F12N25H2Y3H3	12.00	12	240	1	29	24.94	3.38	5.7610	1.44
6F12N25H4Y3H3	12.00	12	480	1	14	24.94	3.38	5.7610	1.44
6F15N20H2Y3H3	12.50	15	240	1	30	19.44	3.38	5.7610	1.44
6F15N20H4Y3H3	12.50	15	480	1	15	19.44	3.38	5.7610	1.44
6F15N25H2Y3H3	15.00	15	240	1	36	24.94	3.38	5.7610	1.44
6F15N25H4Y3H3	15.00	15	480	1	18	24.94	3.38	5.7610	1.44

300# Flanged Immersion Heaters - Type IF

6F12N33B2S3H3	15.00	12	240	1	36	32.44	3.38	5.7610	1.44
6F12N33B4S3H3	15.00	12	480	1	18	32.44	3.38	5.7610	1.44
6F12N33H2Y3H3	16.00	12	240	1	38	32.44	3.38	5.7610	1.44
6F12N33H4Y3H3	16.00	12	480	1	19	32.44	3.38	5.7610	1.44
6F12N38B4S3H3	18.00	12	480	1	22	37.94	5.38	5.7610	1.44
6F12N36B4S3H3	19.25	12	480	1	23	35.44	3.38	5.7610	1.44
6F15N33H2Y3H3	20.00	15	240	1	48	32.44	3.38	5.7610	1.44
6F15N33H4Y3H3	20.00	15	480	1	24	32.44	3.38	5.7610	1.44
6F12N40H2Y3H3	20.00	12	240	1	48	39.94	3.38	5.7610	1.44
6F12N40H4Y3H3	20.00	12	480	1	24	39.94	3.38	5.7610	1.44
6F12N43B4S3H3	20.00	12	480	1	24	42.44	5.38	5.7610	1.44
6F12N48H4Y3H3	24.00	12	480	1	29	47.44	3.38	5.7610	1.44
6F12N52H4Y3H3	24.00	12	480	1	29	51.44	5.38	5.7610	1.44
6F15N40H4Y3H3	25.00	15	480	1	30	39.94	3.38	5.7610	1.44
6F12N52B4S3H3	25.00	12	480	1	30	51.44	5.38	5.7610	1.44
6F12N52B2S3H3	25.00	12	240	2	60	51.44	5.38	5.7610	1.44
6F12N57B4S3H3	25.00	12	480	1	30	56.44	10.38	5.7610	1.44
6F15N48H4Y3H3	30.00	15	480	1	36	47.44	3.38	5.7610	1.44
6F15N52H4Y3H3	30.00	15	480	1	36	51.44	5.38	5.7610	1.44
6F12N61B4S3H3	30.00	12	480	1	36	60.94	5.38	5.7610	1.44
6F12N68B4S3H3	30.00	12	480	1	36	67.94	12.38	5.7610	1.44
6F12N61H4Y3H3	33.25	12	480	1	40	60.94	5.38	5.7610	1.44
6F12N68H4Y3H3	33.25	12	480	1	40	67.94	12.38	5.7610	1.44
6F12N80H4Y3H3	44.25	12	480	2	53	78.44	10.38	5.7610	1.44
6F12N88B4S3H3	44.25	12	480	2	53	88.44	5.38	5.7610	1.44
6F12N88H4Y3H3	50.00	12	480	2	60	88.44	5.38	5.7610	1.44
6F12N95H4Y3H3	50.00	12	480	2	60	95.44	12.38	5.7610	1.44
6F12N106B4S3H3	50.00	12	480	2	60	105.94	12.38	5.7610	1.44
6F12N120B4S3H3	57.00	12	480	2	69	119.94	12.38	5.7610	1.44
6F12N120H4Y3H3	60.00	12	480	2	72	119.94	13.88	5.7610	1.44
6F12N140H4Y3H3	70.00	12	480	2	84	139.94	16.38	5.7610	1.44
6F12N160H4Y3H3	80.00	12	480	2	96	159.94	16.38	5.7610	1.44
6F15N160H4Y3H3	100.00	15	480	5	120	159.94	16.38	5.7610	1.44

8 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
8F18N10H4Y3H3	6.00	18	480	1	7	9.75	3.19	7.6250	1.63
8F24N10H4Y3H3	8.00	24	480	1	10	9.75	3.19	7.6250	1.63
8F18N18B4S3H3	11.25	18	480	1	14	17.25	3.19	7.6250	1.63
8F18N18H4Y3H3	12.00	18	480	1	14	17.25	3.19	7.6250	1.63
8F18N20B4S3H3	13.00	18	480	1	16	19.25	3.19	7.6250	1.63
8F24N18B4S3H3	15.00	24	480	1	18	17.25	3.19	7.6250	1.63
8F18N20H4Y3H3	15.00	18	480	1	18	19.25	3.19	7.6250	1.63
8F24N18H4Y3H3	16.00	24	480	1	19	17.25	3.19	7.6250	1.63
8F24N20B4S3H3	17.25	24	480	1	21	19.25	3.19	7.6250	1.63
8F18N25B4S3H3	17.25	18	480	1	21	24.75	3.19	7.6250	1.63
8F18N25H4Y3H3	18.00	18	480	1	22	24.75	3.19	7.6250	1.63
8F24N20H4Y3H3	20.00	24	480	1	24	19.25	3.19	7.6250	1.63
8F18N33B4S3H3	22.50	18	480	1	27	32.25	3.19	7.6250	1.63
8F24N25B4S3H3	23.00	24	480	1	28	24.75	3.19	7.6250	1.63
8F24N25H4Y3H3	24.00	24	480	1	29	24.75	3.19	7.6250	1.63
8F18N33H4Y3H3	24.00	18	480	1	29	32.25	3.19	7.6250	1.63
8F18N38B4S3H3	27.00	18	480	1	32	37.75	5.19	7.6250	1.63
8F18N36B4S3H3	29.00	18	480	1	35	35.25	3.19	7.6250	1.63

300# Flanged Immersion Heaters - Type IF

8F24N33B4S3H3	30.00	24	480	1	36	32.25	3.19	7.6250	1.63
8F18N40H4Y3H3	30.00	18	480	1	36	39.75	3.19	7.6250	1.63
8F18N43B4S3H3	30.00	18	480	1	36	42.25	5.19	7.6250	1.63
8F24N33H4Y3H3	32.00	24	480	1	38	32.25	3.19	7.6250	1.63
8F24N38B4S3H3	36.00	24	480	1	43	37.75	5.19	7.6250	1.63
8F18N48H4Y3H3	36.00	18	480	1	43	47.25	3.19	7.6250	1.63
8F18N52H4Y3H3	36.00	18	480	1	43	51.25	5.19	7.6250	1.63
8F18N52B4S3H3	37.50	18	480	1	45	51.25	5.19	7.6250	1.63
8F18N57B4S3H3	37.50	18	480	1	45	56.25	10.19	7.6250	1.63
8F24N36B4S3H3	38.50	24	480	1	46	35.25	3.19	7.6250	1.63
8F24N40H4Y3H3	40.00	24	480	1	48	39.75	3.19	7.6250	1.63
8F24N43B4S3H3	40.00	24	480	1	48	42.25	5.19	7.6250	1.63
8F24N48H4Y3H3	48.00	24	480	2	58	47.25	3.19	7.6250	1.63
8F24N52H4Y3H3	48.00	24	480	2	58	51.25	5.19	7.6250	1.63
8F24N52B4S3H3	50.00	24	480	2	60	51.25	5.19	7.6250	1.63
8F24N57B4S3H3	50.00	24	480	2	60	56.25	10.19	7.6250	1.63
8F18N61H4Y3H3	50.00	18	480	2	60	60.75	5.19	7.6250	1.63
8F18N68H4Y3H3	50.00	18	480	2	60	67.75	12.19	7.6250	1.63
8F24N61B4S3H3	60.00	24	480	2	72	60.75	5.19	7.6250	1.63
8F24N68B4S3H3	60.00	24	480	2	72	67.75	12.19	7.6250	1.63
8F24N61H4Y3H3	66.50	24	480	2	80	60.75	5.19	7.6250	1.63
8F24N68H4Y3H3	66.50	24	480	2	80	67.75	12.19	7.6250	1.63
8F18N80H4Y3H3	66.50	18	480	2	80	78.25	10.19	7.6250	1.63
8F18N88B4S3H3	66.50	18	480	3	80	88.25	5.19	7.6250	1.63
8F18N88H4Y3H3	75.00	18	480	2	90	88.25	5.19	7.6250	1.63
8F18N95H4Y3H3	75.00	18	480	2	90	95.25	12.19	7.6250	1.63
8F18N106B4S3H3	75.00	18	480	3	90	105.75	12.19	7.6250	1.63
8F18N120B4S3H3	85.50	18	480	3	103	119.75	12.19	7.6250	1.63
8F24N80H4Y3H3	88.75	24	480	4	107	78.25	10.19	7.6250	1.63
8F24N88B4S3H3	88.75	24	480	4	107	88.25	5.19	7.6250	1.63
8F18N120H4Y3H3	90.00	18	480	3	108	119.75	13.69	7.6250	1.63
8F24N88H4Y3H3	100.00	24	480	4	120	88.25	5.19	7.6250	1.63
8F24N95H4Y3H3	100.00	24	480	4	120	95.25	12.19	7.6250	1.63
8F24N106B4S3H3	100.00	24	480	4	120	105.75	12.19	7.6250	1.63
8F18N140H4Y3H3	105.00	18	480	3	126	139.75	16.19	7.6250	1.63
8F24N120B4S3H3	114.00	24	480	4	137	119.75	12.19	7.6250	1.63
8F24N120H4Y3H3	120.00	24	480	4	144	119.75	13.69	7.6250	1.63
8F18N160H4Y3H3	120.00	18	480	3	144	159.75	16.19	7.6250	1.63
8F24N140H4Y3H3	140.00	24	480	4	168	139.75	16.19	7.6250	1.63
8F24N160H4Y3H3	160.00	24	480	4	192	159.75	16.19	7.6250	1.63

10 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
10F30N10H4Y3H3	10.00	30	480	1	12	9.50	2.94	9.7500	1.88
10F36N10H4Y3H3	12.00	36	480	1	14	9.50	2.94	9.7500	1.88
10F30N18B4S3H3	18.75	30	480	1	23	17.00	2.94	9.7500	1.88
10F30N18H4Y3H3	20.00	30	480	1	24	17.00	2.94	9.7500	1.88
10F30N20B4S3H3	21.75	30	480	1	26	19.00	2.94	9.7500	1.88
10F36N18B4S3H3	22.50	36	480	1	27	17.00	2.94	9.7500	1.88
10F36N18H4Y3H3	24.00	36	480	1	29	17.00	2.94	9.7500	1.88
10F30N20H4Y3H3	25.00	30	480	1	30	19.00	2.94	9.7500	1.88
10F36N20B4S3H3	26.00	36	480	1	31	19.00	2.94	9.7500	1.88
10F30N25B4S3H3	28.75	30	480	1	35	24.50	2.94	9.7500	1.88
10F36N20H4Y3H3	30.00	36	480	1	36	19.00	2.94	9.7500	1.88

300# Flanged Immersion Heaters - Type IF

10F30N25H4Y3H3	30.00	30	480	1	36	24.50	2.94	9.7500	1.88
10F36N25B4S3H3	34.50	36	480	1	41	24.50	2.94	9.7500	1.88
10F36N25H4Y3H3	36.00	36	480	1	43	24.50	2.94	9.7500	1.88
10F30N33B4S3H3	37.50	30	480	1	45	32.00	2.94	9.7500	1.88
10F30N33H4Y3H3	40.00	30	480	1	48	32.00	2.94	9.7500	1.88
10F36N33B4S3H3	45.00	36	480	2	54	32.00	2.94	9.7500	1.88
10F36N33H4Y3H3	48.00	36	480	2	58	32.00	2.94	9.7500	1.88
10F30N40H4Y3H3	50.00	30	480	2	60	39.50	2.94	9.7500	1.88
10F36N38B4S3H3	54.00	36	480	2	65	37.50	4.94	9.7500	1.88
10F36N36B4S3H3	58.00	36	480	2	70	35.00	2.94	9.7500	1.88
10F36N40H4Y3H3	60.00	36	480	2	72	39.50	2.94	9.7500	1.88
10F36N43B4S3H3	60.00	36	480	2	72	42.00	4.94	9.7500	1.88
10F30N48H4Y3H3	60.00	30	480	2	72	47.00	2.94	9.7500	1.88
10F30N52H4Y3H3	60.00	30	480	2	72	51.00	4.94	9.7500	1.88
10F36N48H4Y3H3	72.00	36	480	2	87	47.00	2.94	9.7500	1.88
10F36N52H4Y3H3	72.00	36	480	2	87	51.00	4.94	9.7500	1.88
10F36N52B4S3H3	75.00	36	480	2	90	51.00	4.94	9.7500	1.88
10F36N57B4S3H3	75.00	36	480	2	90	56.00	9.94	9.7500	1.88
10F36N61B4S3H3	90.00	36	480	3	108	60.50	4.94	9.7500	1.88
10F36N68B4S3H3	90.00	36	480	3	108	67.50	11.94	9.7500	1.88
10F36N61H4Y3H3	100.00	36	480	3	120	60.50	4.94	9.7500	1.88
10F36N68H4Y3H3	100.00	36	480	3	120	67.50	11.94	9.7500	1.88
10F30N80H4Y3H3	111.00	30	480	5	134	78.00	9.94	9.7500	1.88
10F30N88B4S3H3	111.00	30	480	5	134	88.00	4.94	9.7500	1.88
10F30N88H4Y3H3	125.00	30	480	5	150	88.00	4.94	9.7500	1.88
10F30N95H4Y3H3	125.00	30	480	5	150	95.00	11.94	9.7500	1.88
10F30N106B4S3H3	125.00	30	480	5	150	105.50	11.94	9.7500	1.88
10F36N80H4Y3H3	133.00	36	480	4	160	78.00	9.94	9.7500	1.88
10F36N88B4S3H3	133.00	36	480	6	160	88.00	4.94	9.7500	1.88
10F30N120B4S3H3	142.50	30	480	5	171	119.50	11.94	9.7500	1.88
10F36N88H4Y3H3	150.00	36	480	4	180	88.00	4.94	9.7500	1.88
10F36N95H4Y3H3	150.00	36	480	4	180	95.00	11.94	9.7500	1.88
10F36N106B4S3H3	150.00	36	480	6	180	105.50	11.94	9.7500	1.88
10F30N120H4Y3H3	150.00	30	480	5	180	119.50	13.44	9.7500	1.88
10F36N120B4S3H3	171.00	36	480	6	206	119.50	11.94	9.7500	1.88
10F30N140H4Y3H3	175.00	30	480	5	210	139.50	15.94	9.7500	1.88
10F36N120H4Y3H3	180.00	36	480	6	217	119.50	13.44	9.7500	1.88
10F30N160H4Y3H3	200.00	30	480	5	241	159.50	15.94	9.7500	1.88
10F36N140H4Y3H3	210.00	36	480	6	253	139.50	15.94	9.7500	1.88
10F36N160H4Y3H3	240.00	36	480	6	289	159.50	15.94	9.7500	1.88

12 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
12F48N40H4Y3H3	80.00	48	480	2	96	39.38	2.81	11.7500	2.00
12F48N43B4S3H3	80.00	48	480	2	96	41.88	4.81	11.7500	2.00
12F48N48H4Y3H3	96.00	48	480	4	115	46.88	2.81	11.7500	2.00
12F48N52H4Y3H3	96.00	48	480	4	115	50.88	4.81	11.7500	2.00
12F48N52B4S3H3	100.00	48	480	4	120	50.88	4.81	11.7500	2.00
12F48N57B4S3H3	100.00	48	480	4	120	55.88	9.81	11.7500	2.00
12F48N61B4S3H3	120.00	48	480	4	144	60.38	4.81	11.7500	2.00
12F48N68B4S3H3	120.00	48	480	4	144	67.38	11.81	11.7500	2.00
12F48N61H4Y3H3	133.00	48	480	4	160	60.38	4.81	11.7500	2.00
12F48N68H4Y3H3	133.00	48	480	4	160	67.38	11.81	11.7500	2.00
12F48N80H4Y3H3	177.50	48	480	8	214	77.88	9.81	11.7500	2.00

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12F48N88B4S3H3	177.50	48	480	8	214	87.88	4.81	11.7500	2.00
12F54N80H4Y3H3	199.50	54	480	6	240	77.88	9.81	11.7500	2.00
12F54N88B4S3H3	199.50	54	480	9	240	87.88	4.81	11.7500	2.00
12F48N88H4Y3H3	200.00	48	480	8	241	87.88	4.81	11.7500	2.00
12F48N95H4Y3H3	200.00	48	480	8	241	94.88	11.81	11.7500	2.00
12F48N106B4S3H3	200.00	48	480	8	241	105.38	11.81	11.7500	2.00
12F54N88H4Y3H3	225.00	54	480	6	271	87.88	4.81	11.7500	2.00
12F54N95H4Y3H3	225.00	54	480	6	271	94.88	11.81	11.7500	2.00
12F54N106B4S3H3	225.00	54	480	9	271	105.38	11.81	11.7500	2.00
12F48N120B4S3H3	228.00	48	480	8	274	119.38	11.81	11.7500	2.00
12F48N120H4Y3H3	240.00	48	480	8	289	119.38	13.31	11.7500	2.00
12F54N120B4S3H3	256.50	54	480	9	309	119.38	11.81	11.7500	2.00
12F54N120H4Y3H3	270.00	54	480	9	325	119.38	13.31	11.7500	2.00
12F48N140H4Y3H3	280.00	48	480	8	337	139.38	15.81	11.7500	2.00
12F54N140H4Y3H3	315.00	54	480	9	379	139.38	15.81	11.7500	2.00
12F48N160H4Y3H3	320.00	48	480	8	385	159.38	15.81	11.7500	2.00
12F54N160H4Y3H3	360.00	54	480	9	433	159.38	15.81	11.7500	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
14F54N80H4Y3H3	199.50	54	480	6	240	77.75	9.69	13.0000	2.13
14F54N88B4S3H3	199.50	54	480	9	240	87.75	4.69	13.0000	2.13
14F60N80H4Y3H3	222.00	60	480	10	267	77.75	9.69	13.0000	2.13
14F60N88B4S3H3	222.00	60	480	10	267	87.75	4.69	13.0000	2.13
14F54N88H4Y3H3	225.00	54	480	6	271	87.75	4.69	13.0000	2.13
14F54N95H4Y3H3	225.00	54	480	6	271	94.75	11.69	13.0000	2.13
14F54N106B4S3H3	225.00	54	480	9	271	105.25	11.69	13.0000	2.13
14F60N88H4Y3H3	250.00	60	480	10	301	87.75	4.69	13.0000	2.13
14F60N95H4Y3H3	250.00	60	480	10	301	94.75	11.69	13.0000	2.13
14F60N106B4S3H3	250.00	60	480	10	301	105.25	11.69	13.0000	2.13
14F54N120B4S3H3	256.50	54	480	9	309	119.25	11.69	13.0000	2.13
14F72N80H4Y3H3	266.00	72	480	8	320	77.75	9.69	13.0000	2.13
14F72N88B4S3H3	266.00	72	480	12	320	87.75	4.69	13.0000	2.13
14F54N120H4Y3H3	270.00	54	480	9	325	119.25	13.19	13.0000	2.13
14F60N120B4S3H3	285.00	60	480	10	343	119.25	11.69	13.0000	2.13
14F72N88H4Y3H3	300.00	72	480	8	361	87.75	4.69	13.0000	2.13
14F72N95H4Y3H3	300.00	72	480	8	361	94.75	11.69	13.0000	2.13
14F72N106B4S3H3	300.00	72	480	12	361	105.25	11.69	13.0000	2.13
14F60N120H4Y3H3	300.00	60	480	10	361	119.25	13.19	13.0000	2.13
14F54N140H4Y3H3	315.00	54	480	9	379	139.25	15.69	13.0000	2.13
14F72N120B4S3H3	342.00	72	480	12	411	119.25	11.69	13.0000	2.13
14F60N140H4Y3H3	350.00	60	480	10	421	139.25	15.69	13.0000	2.13
14F72N120H4Y3H3	360.00	72	480	12	433	119.25	13.19	13.0000	2.13
14F54N160H4Y3H3	360.00	54	480	9	433	159.25	15.69	13.0000	2.13
14F60N160H4Y3H3	400.00	60	480	10	481	159.25	15.69	13.0000	2.13
14F72N140H4Y3H3	420.00	72	480	12	505	139.25	15.69	13.0000	2.13
14F72N160H4Y3H3	480.00	72	480	12	577	159.25	15.69	13.0000	2.13

16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
16F84N80H4Y3H3	310.50	84	480	14	373	77.63	9.56	15.0000	2.25
16F84N88B4S3H3	310.50	84	480	14	373	87.63	4.56	15.0000	2.25
16F90N80H4Y3H3	333.00	90	480	10	401	77.63	9.56	15.0000	2.25
16F90N88B4S3H3	333.00	90	480	15	401	87.63	4.56	15.0000	2.25

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16F84N88H4Y3H3	350.00	84	480	14	421	87.63	4.56	15.0000	2.25
16F84N95H4Y3H3	350.00	84	480	14	421	94.63	11.56	15.0000	2.25
16F84N106B4S3H3	350.00	84	480	14	421	105.13	11.56	15.0000	2.25
16F96N80H4Y3H3	355.00	96	480	16	427	77.63	9.56	15.0000	2.25
16F96N88B4S3H3	355.00	96	480	16	427	87.63	4.56	15.0000	2.25
16F90N88H4Y3H3	375.00	90	480	10	451	87.63	4.56	15.0000	2.25
16F90N95H4Y3H3	375.00	90	480	10	451	94.63	11.56	15.0000	2.25
16F90N106B4S3H3	375.00	90	480	15	451	105.13	11.56	15.0000	2.25
16F84N120B4S3H3	399.00	84	480	14	480	119.13	11.56	15.0000	2.25
16F96N88H4Y3H3	400.00	96	480	16	481	87.63	4.56	15.0000	2.25
16F96N95H4Y3H3	400.00	96	480	16	481	94.63	11.56	15.0000	2.25
16F96N106B4S3H3	400.00	96	480	16	481	105.13	11.56	15.0000	2.25
16F84N120H4Y3H3	420.00	84	480	14	505	119.13	13.06	15.0000	2.25
16F90N120B4S3H3	427.50	90	480	15	514	119.13	11.56	15.0000	2.25
16F90N120H4Y3H3	450.00	90	480	15	541	119.13	13.06	15.0000	2.25
16F96N120B4S3H3	456.00	96	480	16	548	119.13	11.56	15.0000	2.25
16F96N120H4Y3H3	480.00	96	480	16	577	119.13	13.06	15.0000	2.25
16F84N140H4Y3H3	490.00	84	480	14	589	139.13	15.56	15.0000	2.25
16F90N140H4Y3H3	525.00	90	480	15	631	139.13	15.56	15.0000	2.25
16F96N140H4Y3H3	560.00	96	480	16	674	139.13	15.56	15.0000	2.25
16F84N160H4Y3H3	560.00	84	480	14	674	159.13	15.56	15.0000	2.25
16F90N160H4Y3H3	600.00	90	480	15	722	159.13	15.56	15.0000	2.25
16F96N160H4Y3H3	640.00	96	480	16	770	159.13	15.56	15.0000	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
18F108N88B4S3H3	399.50	108	480	18	481	87.50	4.44	17.0000	2.38
18F108N88H4Y3H3	450.00	108	480	12	541	87.50	4.44	17.0000	2.38
18F108N95H4Y3H3	450.00	108	480	12	541	94.50	11.44	17.0000	2.38
18F108N106B4S3H3	450.00	108	480	18	541	105.00	11.44	17.0000	2.38
18F108N120B4S3H3	513.00	108	480	18	617	119.00	11.44	17.0000	2.38
18F108N120H4Y3H3	540.00	108	480	18	650	119.00	12.94	17.0000	2.38
18F108N140H4Y3H3	630.00	108	480	18	758	139.00	15.44	17.0000	2.38
18F108N160H4Y3H3	720.00	108	480	18	866	159.00	15.44	17.0000	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
20F120N88B4S3H3	444.00	120	480	20	534	87.38	4.31	19.0000	2.50
20F126N88B4S3H3	466.00	126	480	21	561	87.38	4.31	19.0000	2.50
20F132N88B4S3H3	488.00	132	480	22	587	87.38	4.31	19.0000	2.50
20F120N88H4Y3H3	500.00	120	480	20	601	87.38	4.31	19.0000	2.50
20F120N95H4Y3H3	500.00	120	480	20	601	94.38	11.31	19.0000	2.50
20F120N106B4S3H3	500.00	120	480	20	601	104.88	11.31	19.0000	2.50
20F126N88H4Y3H3	525.00	126	480	14	631	87.38	4.31	19.0000	2.50
20F126N95H4Y3H3	525.00	126	480	14	631	94.38	11.31	19.0000	2.50
20F126N106B4S3H3	525.00	126	480	21	631	104.88	11.31	19.0000	2.50
20F144N88B4S3H3	533.00	144	480	24	641	87.38	4.31	19.0000	2.50
20F132N88H4Y3H3	550.00	132	480	22	662	87.38	4.31	19.0000	2.50
20F132N95H4Y3H3	550.00	132	480	22	662	94.38	11.31	19.0000	2.50
20F132N106B4S3H3	550.00	132	480	22	662	104.88	11.31	19.0000	2.50
20F120N120B4S3H3	570.00	120	480	20	686	118.88	11.31	19.0000	2.50
20F162N88B4S3H3	599.00	162	480	27	721	87.38	4.31	19.0000	2.50
20F126N120B4S3H3	599.00	126	480	21	721	118.88	11.31	19.0000	2.50
20F144N88H4Y3H3	600.00	144	480	24	722	87.38	4.31	19.0000	2.50

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20F144N95H4Y3H3	600.00	144	480	24	722	94.38	11.31	19.0000	2.50
20F144N106B4S3H3	600.00	144	480	24	722	104.88	11.31	19.0000	2.50
20F120N120H4Y3H3	600.00	120	480	20	722	118.88	12.81	19.0000	2.50
20F132N120B4S3H3	627.00	132	480	22	754	118.88	11.31	19.0000	2.50
20F126N120H4Y3H3	630.00	126	480	21	758	118.88	12.81	19.0000	2.50
20F132N120H4Y3H3	660.00	132	480	22	794	118.88	12.81	19.0000	2.50
20F180N88B4S3H3	666.00	180	480	20	801	87.38	4.31	19.0000	2.50
20F162N88H4Y3H3	675.00	162	480	18	812	87.38	4.31	19.0000	2.50
20F162N95H4Y3H3	675.00	162	480	18	812	94.38	11.31	19.0000	2.50
20F162N106B4S3H3	675.00	162	480	27	812	104.88	11.31	19.0000	2.50
20F144N120B4S3H3	684.00	144	480	24	823	118.88	11.31	19.0000	2.50
20F120N140H4Y3H3	700.00	120	480	20	842	138.88	15.31	19.0000	2.50
20F144N120H4Y3H3	720.00	144	480	24	866	118.88	12.81	19.0000	2.50
20F126N140H4Y3H3	735.00	126	480	21	884	138.88	15.31	19.0000	2.50
20F180N88H4Y3H3	750.00	180	480	20	902	87.38	4.31	19.0000	2.50
20F180N95H4Y3H3	750.00	180	480	20	902	94.38	11.31	19.0000	2.50
20F180N106B4S3H3	750.00	180	480	20	902	104.88	11.31	19.0000	2.50
20F162N120B4S3H3	770.00	162	480	27	926	118.88	11.31	19.0000	2.50
20F132N140H4Y3H3	770.00	132	480	22	926	138.88	15.31	19.0000	2.50
20F120N160H4Y3H3	800.00	120	480	20	962	158.88	15.31	19.0000	2.50
20F162N120H4Y3H3	810.00	162	480	27	974	118.88	12.81	19.0000	2.50
20F144N140H4Y3H3	840.00	144	480	24	1,010	138.88	15.31	19.0000	2.50
20F126N160H4Y3H3	840.00	126	480	21	1,010	158.88	15.31	19.0000	2.50
20F180N120B4S3H3	855.00	180	480	30	1,028	118.88	11.31	19.0000	2.50
20F132N160H4Y3H3	880.00	132	480	22	1,059	158.88	15.31	19.0000	2.50
20F180N120H4Y3H3	900.00	180	480	30	1,083	118.88	12.81	19.0000	2.50
20F162N140H4Y3H3	945.00	162	480	27	1,137	138.88	15.31	19.0000	2.50
20F144N160H4Y3H3	960.00	144	480	24	1,155	158.88	15.31	19.0000	2.50
20F180N140H4Y3H3	1,050.00	180	480	30	1,263	138.88	15.31	19.0000	2.50
20F162N160H4Y3H3	1,080.00	162	480	27	1,299	158.88	15.31	19.0000	2.50
20F180N160H4Y3H3	1,200.00	180	480	30	1,443	158.88	15.31	19.0000	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
24F192N88B4S3H3	710.00	192	480	32	854	87.13	4.06	23.0000	2.75
24F216N88B4S3H3	799.00	216	480	36	961	87.13	4.06	23.0000	2.75
24F192N88H4Y3H3	800.00	192	480	32	962	87.13	4.06	23.0000	2.75
24F192N95H4Y3H3	800.00	192	480	32	962	94.13	11.06	23.0000	2.75
24F192N106B4S3H3	800.00	192	480	32	962	104.63	11.06	23.0000	2.75
24F234N88B4S3H3	866.00	234	480	39	1,042	87.13	4.06	23.0000	2.75
24F240N88B4S3H3	888.00	240	480	40	1,068	87.13	4.06	23.0000	2.75
24F216N88H4Y3H3	900.00	216	480	24	1,083	87.13	4.06	23.0000	2.75
24F216N95H4Y3H3	900.00	216	480	24	1,083	94.13	11.06	23.0000	2.75
24F216N106B4S3H3	900.00	216	480	36	1,083	104.63	11.06	23.0000	2.75
24F192N120B4S3H3	912.00	192	480	32	1,097	118.63	11.06	23.0000	2.75
24F192N120H4Y3H3	960.00	192	480	32	1,155	118.63	12.56	23.0000	2.75
24F234N88H4Y3H3	975.00	234	480	26	1,173	87.13	4.06	23.0000	2.75
24F234N95H4Y3H3	975.00	234	480	26	1,173	94.13	11.06	23.0000	2.75
24F234N106B4S3H3	975.00	234	480	39	1,173	104.63	11.06	23.0000	2.75
24F240N88H4Y3H3	1,000.00	240	480	40	1,203	87.13	4.06	23.0000	2.75
24F240N95H4Y3H3	1,000.00	240	480	40	1,203	94.13	11.06	23.0000	2.75
24F240N106B4S3H3	1,000.00	240	480	40	1,203	104.63	11.06	23.0000	2.75
24F216N120B4S3H3	1,026.00	216	480	36	1,234	118.63	11.06	23.0000	2.75
24F216N120H4Y3H3	1,080.00	216	480	36	1,299	118.63	12.56	23.0000	2.75

300# Flanged Immersion Heaters - Type IF

24F234N120B4S3H3	1,112.00	234	480	39	1,338	118.63	11.06	23.0000	2.75
24F192N140H4Y3H3	1,120.00	192	480	32	1,347	138.63	15.06	23.0000	2.75
24F240N120B4S3H3	1,140.00	240	480	40	1,371	118.63	11.06	23.0000	2.75
24F234N120H4Y3H3	1,170.00	234	480	39	1,407	118.63	12.56	23.0000	2.75
24F240N120H4Y3H3	1,200.00	240	480	40	1,443	118.63	12.56	23.0000	2.75
24F216N140H4Y3H3	1,260.00	216	480	36	1,516	138.63	15.06	23.0000	2.75
24F192N160H4Y3H3	1,280.00	192	480	32	1,540	158.63	15.06	23.0000	2.75
24F234N140H4Y3H3	1,365.00	234	480	39	1,642	138.63	15.06	23.0000	2.75
24F240N140H4Y3H3	1,400.00	240	480	40	1,684	138.63	15.06	23.0000	2.75
24F216N160H4Y3H3	1,440.00	216	480	36	1,732	158.63	15.06	23.0000	2.75
24F234N160H4Y3H3	1,560.00	234	480	39	1,876	158.63	15.06	23.0000	2.75
24F240N160H4Y3H3	1,600.00	240	480	40	1,925	158.63	15.06	23.0000	2.75

12 Watts/Sq. Inch

3 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
3F3N48F4Y3H3	3.25	3	480	1	4	48.25	16.69	2.9000	1.13
3F3N61F4Y3H3	5.00	3	480	1	6	61.25	13.69	2.9000	1.13
3F3N77F4Y3H3	6.63	3	480	1	8	77.25	13.69	2.9000	1.13
3F3N84F4Y3H3	6.63	3	240	1	16	84.25	16.69	2.9000	1.13
3F3N93F4Y3H3	8.25	3	480	1	10	93.25	13.69	2.9000	1.13
3F3N111F4Y3H3	10.00	3	240	1	24	-1.25	16.69	2.9000	1.13
3F3N120F4Y3H3	10.00	3	480	1	12	111.25	16.69	2.9000	1.13
3F3N144F4Y3H3	13.25	3	480	1	16	144.25	16.69	2.9000	1.13

4 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
4F6N10H4S3H3	1.50	6	480	1	2	10.13	3.56	3.8260	1.25
4F6N18H4S3H3	3.00	6	480	1	4	17.63	3.56	3.8260	1.25
4F6N18H2S3H3	3.00	6	240	1	7	17.63	3.56	3.8260	1.25
4F6N20H4S3H3	3.75	6	480	1	5	19.63	3.56	3.8260	1.25
4F6N20H2S3H3	3.75	6	240	1	9	19.63	3.56	3.8260	1.25
4F6N25H2S3H3	4.50	6	240	1	11	25.13	3.56	3.8260	1.25
4F6N25H4S3H3	4.50	6	480	1	5	25.13	3.56	3.8260	1.25
4F6N33H2S3H3	6.00	6	240	1	14	32.63	3.56	3.8260	1.25
4F6N33H4S3H3	6.00	6	480	1	7	32.63	3.56	3.8260	1.25
4F6N48F4Y3H3	6.63	6	480	1	8	48.13	16.56	3.8260	1.25
4F6N40H4S3H3	7.50	6	480	1	9	40.13	3.56	3.8260	1.25
4F6N40H2S3H3	7.50	6	240	1	18	40.13	3.56	3.8260	1.25
4F6N48H4S3H3	9.00	6	480	1	11	47.63	3.56	3.8260	1.25
4F6N52H4S3H3	9.00	6	480	1	11	51.63	5.56	3.8260	1.25
4F6N61F4Y3H3	10.00	6	480	1	12	61.13	13.56	3.8260	1.25
4F6N61H4S3H3	12.50	6	480	1	15	61.13	5.56	3.8260	1.25
4F6N68H4S3H3	12.50	6	480	1	15	68.13	12.56	3.8260	1.25
4F6N77F4Y3H3	13.25	6	480	1	16	77.13	13.56	3.8260	1.25
4F6N84F4Y3H3	13.25	6	240	1	32	84.13	16.56	3.8260	1.25
4F6N80H4S3H3	16.50	6	480	1	20	78.63	10.56	3.8260	1.25
4F6N93F4Y3H3	16.50	6	480	1	20	93.13	13.56	3.8260	1.25
4F6N88H4S3H3	18.75	6	480	1	23	88.63	5.56	3.8260	1.25
4F6N95H4S3H3	18.75	6	480	1	23	95.63	12.56	3.8260	1.25
4F6N111F4Y3H3	20.00	6	240	1	48	-1.38	16.56	3.8260	1.25
4F6N120F4Y3H3	20.00	6	480	1	24	111.13	16.56	3.8260	1.25
4F6N120H4S3H3	22.50	6	480	1	27	120.13	14.06	3.8260	1.25
4F6N140H4S3H3	26.25	6	480	1	32	140.13	16.56	3.8260	1.25

300# Flanged Immersion Heaters - Type IF

4F6N144F4Y3H3	26.50	6	480	1	32	144.13	16.56	3.8260	1.25
4F6N160H4S3H3	30.00	6	480	1	36	160.13	16.56	3.8260	1.25

5 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
5F9N48F4Y3H3	9.88	9	480	1	12	48.00	16.44	4.8125	1.38
5F9N61F4Y3H3	15.00	9	480	1	18	61.00	13.44	4.8125	1.38
5F9N77F4Y3H3	19.75	9	480	1	24	77.00	13.44	4.8125	1.38
5F9N84F4Y3H3	20.00	9	240	1	48	84.00	16.44	4.8125	1.38
5F9N93F4Y3H3	24.75	9	480	1	30	93.00	13.44	4.8125	1.38
5F9N120F4Y3H3	30.00	9	480	1	36	111.00	16.44	4.8125	1.38
5F9N144F4Y3H3	40.00	9	480	1	48	144.00	16.44	4.8125	1.38

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
6F12N10H4S3H3	3.00	12	480	1	4	9.94	3.38	5.7610	1.44
6F12N18H4S3H3	6.00	12	480	1	7	17.44	3.38	5.7610	1.44
6F12N18H2S3H3	6.00	12	240	1	14	17.44	3.38	5.7610	1.44
6F12N20H4S3H3	7.50	12	480	1	9	19.44	3.38	5.7610	1.44
6F12N20H2S3H3	7.50	12	240	1	18	19.44	3.38	5.7610	1.44
6F12N25H4S3H3	9.00	12	480	1	11	24.94	3.38	5.7610	1.44
6F12N25H2S3H3	9.00	12	240	1	22	24.94	3.38	5.7610	1.44
6F12N33H4S3H3	12.00	12	480	1	14	32.44	3.38	5.7610	1.44
6F12N33H2S3H3	12.00	12	240	1	29	32.44	3.38	5.7610	1.44
6F12N48F4Y3H3	13.25	12	480	1	16	47.94	16.38	5.7610	1.44
6F12N40H4S3H3	15.00	12	480	1	18	39.94	3.38	5.7610	1.44
6F12N40H2S3H3	15.00	12	240	1	36	39.94	3.38	5.7610	1.44
6F15N48F4Y3H3	16.50	15	480	1	20	47.94	16.38	5.7610	1.44
6F12N48H4S3H3	18.00	12	480	1	22	47.44	3.38	5.7610	1.44
6F12N52H4S3H3	18.00	12	480	1	22	51.44	5.38	5.7610	1.44
6F12N61F4Y3H3	20.00	12	480	1	24	60.94	13.38	5.7610	1.44
6F12N61H4S3H3	25.00	12	480	1	30	60.94	5.38	5.7610	1.44
6F15N61F4Y3H3	25.00	15	480	1	30	60.94	13.38	5.7610	1.44
6F12N68H4S3H3	25.00	12	480	1	30	67.94	12.38	5.7610	1.44
6F12N77F4Y3H3	26.50	12	480	1	32	76.94	13.38	5.7610	1.44
6F12N84F4Y3H3	26.50	12	240	2	64	83.94	16.38	5.7610	1.44
6F15N77F4Y3H3	33.25	15	480	1	40	76.94	13.38	5.7610	1.44
6F12N80H4S3H3	33.25	12	480	1	40	78.44	10.38	5.7610	1.44
6F12N93F4Y3H3	33.25	12	480	1	40	92.94	13.38	5.7610	1.44
6F12N88H4S3H3	37.50	12	480	1	45	88.44	5.38	5.7610	1.44
6F12N95H4S3H3	37.50	12	480	1	45	95.44	12.38	5.7610	1.44
6F12N111F4Y3H3	40.00	12	240	2	96	-1.56	16.38	5.7610	1.44
6F12N120F4Y3H3	40.00	12	480	1	48	110.94	16.38	5.7610	1.44
6F12N120H4S3H3	45.00	12	480	2	54	119.94	13.88	5.7610	1.44
6F12N140H4S3H3	52.50	12	480	2	63	139.94	16.38	5.7610	1.44
6F12N144F4Y3H3	53.25	12	480	2	64	143.94	16.38	5.7610	1.44
6F12N160H4S3H3	60.00	12	480	2	72	159.94	16.38	5.7610	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
8F18N10H4S3H3	4.50	18	480	1	5	9.75	3.19	7.6250	1.63
8F24N10H4S3H3	6.00	24	480	1	7	9.75	3.19	7.6250	1.63
8F18N18H4S3H3	9.00	18	480	1	11	17.25	3.19	7.6250	1.63

300# Flanged Immersion Heaters - Type IF

8F18N20H4S3H3	11.25	18	480	1	14	19.25	3.19	7.6250	1.63
8F24N18H4S3H3	12.00	24	480	1	14	17.25	3.19	7.6250	1.63
8F18N25H4S3H3	13.50	18	480	1	16	24.75	3.19	7.6250	1.63
8F24N20H4S3H3	15.00	24	480	1	18	19.25	3.19	7.6250	1.63
8F24N25H4S3H3	18.00	24	480	1	22	24.75	3.19	7.6250	1.63
8F18N33H4S3H3	18.00	18	480	1	22	32.25	3.19	7.6250	1.63
8F18N48F4Y3H3	20.00	18	480	1	24	47.75	16.19	7.6250	1.63
8F18N40H4S3H3	22.50	18	480	1	27	39.75	3.19	7.6250	1.63
8F24N33H4S3H3	24.00	24	480	1	29	32.25	3.19	7.6250	1.63
8F24N48F4Y3H3	26.50	24	480	1	32	47.75	16.19	7.6250	1.63
8F18N48H4S3H3	27.00	18	480	1	32	47.25	3.19	7.6250	1.63
8F18N52H4S3H3	27.00	18	480	1	32	51.25	5.19	7.6250	1.63
8F24N40H4S3H3	30.00	24	480	1	36	39.75	3.19	7.6250	1.63
8F18N61F4Y3H3	30.00	18	480	1	36	60.75	13.19	7.6250	1.63
8F24N48H4S3H3	36.00	24	480	1	43	47.25	3.19	7.6250	1.63
8F24N52H4S3H3	36.00	24	480	1	43	51.25	5.19	7.6250	1.63
8F18N61H4S3H3	37.50	18	480	1	45	60.75	5.19	7.6250	1.63
8F18N68H4S3H3	37.50	18	480	1	45	67.75	12.19	7.6250	1.63
8F18N77F4Y3H3	39.75	18	480	1	48	76.75	13.19	7.6250	1.63
8F24N61F4Y3H3	40.00	24	480	1	48	60.75	13.19	7.6250	1.63
8F18N93F4Y3H3	49.75	18	480	2	60	92.75	13.19	7.6250	1.63
8F24N61H4S3H3	50.00	24	480	2	60	60.75	5.19	7.6250	1.63
8F24N68H4S3H3	50.00	24	480	2	60	67.75	12.19	7.6250	1.63
8F24N77F4Y3H3	53.25	24	480	2	64	76.75	13.19	7.6250	1.63
8F18N120F4Y3H3	60.00	18	480	2	72	110.75	16.19	7.6250	1.63
8F24N80H4S3H3	66.50	24	480	2	80	78.25	10.19	7.6250	1.63
8F24N93F4Y3H3	66.50	24	480	2	80	92.75	13.19	7.6250	1.63
8F18N120H4S3H3	67.50	18	480	3	81	119.75	13.69	7.6250	1.63
8F24N88H4S3H3	75.00	24	480	2	90	88.25	5.19	7.6250	1.63
8F24N95H4S3H3	75.00	24	480	2	90	95.25	12.19	7.6250	1.63
8F18N140H4S3H3	78.75	18	480	3	95	139.75	16.19	7.6250	1.63
8F18N144F4Y3H3	79.75	18	480	2	96	143.75	16.19	7.6250	1.63
8F24N120F4Y3H3	80.00	24	480	2	96	110.75	16.19	7.6250	1.63
8F24N120H4S3H3	90.00	24	480	4	108	119.75	13.69	7.6250	1.63
8F18N160H4S3H3	90.00	18	480	3	108	159.75	16.19	7.6250	1.63
8F24N140H4S3H3	105.00	24	480	4	126	139.75	16.19	7.6250	1.63
8F24N144F4Y3H3	106.50	24	480	4	128	143.75	16.19	7.6250	1.63
8F24N160H4S3H3	120.00	24	480	4	144	159.75	16.19	7.6250	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
10F30N10H4S3H3	7.50	30	480	1	9	9.50	2.94	9.7500	1.88
10F36N10H4S3H3	9.00	36	480	1	11	9.50	2.94	9.7500	1.88
10F30N18H4S3H3	15.00	30	480	1	18	17.00	2.94	9.7500	1.88
10F36N18H4S3H3	18.00	36	480	1	22	17.00	2.94	9.7500	1.88
10F30N20H4S3H3	18.75	30	480	1	23	19.00	2.94	9.7500	1.88
10F36N20H4S3H3	22.50	36	480	1	27	19.00	2.94	9.7500	1.88
10F30N25H4S3H3	22.50	30	480	1	27	24.50	2.94	9.7500	1.88
10F36N25H4S3H3	27.00	36	480	1	32	24.50	2.94	9.7500	1.88
10F30N33H4S3H3	30.00	30	480	1	36	32.00	2.94	9.7500	1.88
10F30N48F4Y3H3	33.25	30	480	1	40	47.50	15.94	9.7500	1.88
10F36N33H4S3H3	36.00	36	480	1	43	32.00	2.94	9.7500	1.88
10F30N40H4S3H3	37.50	30	480	1	45	39.50	2.94	9.7500	1.88
10F36N48F4Y3H3	40.00	36	480	1	48	47.50	15.94	9.7500	1.88

300# Flanged Immersion Heaters - Type IF

10F36N40H4S3H3	45.00	36	480	2	54	39.50	2.94	9.7500	1.88
10F30N61F4Y3H3	50.00	30	480	2	60	60.50	12.94	9.7500	1.88
10F36N48H4S3H3	54.00	36	480	2	65	47.00	2.94	9.7500	1.88
10F36N52H4S3H3	54.00	36	480	2	65	51.00	4.94	9.7500	1.88
10F36N61F4Y3H3	60.00	36	480	2	72	60.50	12.94	9.7500	1.88
10F30N77F4Y3H3	66.50	30	480	2	80	76.50	12.94	9.7500	1.88
10F36N61H4S3H3	75.00	36	480	2	90	60.50	4.94	9.7500	1.88
10F36N68H4S3H3	75.00	36	480	2	90	67.50	11.94	9.7500	1.88
10F36N77F4Y3H3	79.75	36	480	2	96	76.50	12.94	9.7500	1.88
10F36N80H4S3H3	99.75	36	480	3	120	78.00	9.94	9.7500	1.88
10F36N93F4Y3H3	99.75	36	480	3	120	92.50	12.94	9.7500	1.88
10F30N120F4Y3H3	100.00	30	480	5	120	110.50	15.94	9.7500	1.88
10F36N88H4S3H3	112.50	36	480	3	135	88.00	4.94	9.7500	1.88
10F36N95H4S3H3	112.50	36	480	3	135	95.00	11.94	9.7500	1.88
10F30N120H4S3H3	112.50	30	480	5	135	119.50	13.44	9.7500	1.88
10F36N120F4Y3H3	120.00	36	480	3	144	110.50	15.94	9.7500	1.88
10F30N140H4S3H3	131.00	30	480	5	158	139.50	15.94	9.7500	1.88
10F30N144F4Y3H3	133.00	30	480	5	160	143.50	15.94	9.7500	1.88
10F36N120H4S3H3	135.00	36	480	6	162	119.50	13.44	9.7500	1.88
10F30N160H4S3H3	150.00	30	480	5	180	159.50	15.94	9.7500	1.88
10F36N140H4S3H3	157.50	36	480	6	189	139.50	15.94	9.7500	1.88
10F36N144F4Y3H3	160.00	36	480	4	192	143.50	15.94	9.7500	1.88
10F36N160H4S3H3	180.00	36	480	6	217	159.50	15.94	9.7500	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
12F48N48F4Y3H3	53.25	48	480	2	64	47.38	15.81	11.7500	2.00
12F48N40H4S3H3	60.00	48	480	2	72	39.38	2.81	11.7500	2.00
12F48N48H4S3H3	72.00	48	480	2	87	46.88	2.81	11.7500	2.00
12F48N52H4S3H3	72.00	48	480	2	87	50.88	4.81	11.7500	2.00
12F48N61F4Y3H3	80.00	48	480	2	96	60.38	12.81	11.7500	2.00
12F48N61H4S3H3	100.00	48	480	4	120	60.38	4.81	11.7500	2.00
12F48N68H4S3H3	100.00	48	480	4	120	67.38	11.81	11.7500	2.00
12F48N77F4Y3H3	106.50	48	480	4	128	76.38	12.81	11.7500	2.00
12F48N80H4S3H3	133.00	48	480	4	160	77.88	9.81	11.7500	2.00
12F48N93F4Y3H3	133.00	48	480	4	160	92.38	12.81	11.7500	2.00
12F54N93F4Y3H3	149.50	54	480	6	180	92.38	12.81	11.7500	2.00
12F48N88H4S3H3	150.00	48	480	4	180	87.88	4.81	11.7500	2.00
12F48N95H4S3H3	150.00	48	480	4	180	94.88	11.81	11.7500	2.00
12F48N120F4Y3H3	160.00	48	480	4	192	110.38	15.81	11.7500	2.00
12F54N120F4Y3H3	180.00	54	480	6	217	110.38	15.81	11.7500	2.00
12F48N120H4S3H3	180.00	48	480	8	217	119.38	13.31	11.7500	2.00
12F54N120H4S3H3	202.50	54	480	9	244	119.38	13.31	11.7500	2.00
12F48N140H4S3H3	210.00	48	480	8	253	139.38	15.81	11.7500	2.00
12F48N144F4Y3H3	213.00	48	480	8	256	143.38	15.81	11.7500	2.00
12F54N140H4S3H3	236.00	54	480	9	284	139.38	15.81	11.7500	2.00
12F54N144F4Y3H3	239.50	54	480	6	288	143.38	15.81	11.7500	2.00
12F48N160H4S3H3	240.00	48	480	8	289	159.38	15.81	11.7500	2.00
12F54N160H4S3H3	270.00	54	480	9	325	159.38	15.81	11.7500	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
14F54N93F4Y3H3	149.50	54	480	6	180	92.25	12.69	13.0000	2.13
14F60N80H4S3H3	166.50	60	480	5	200	77.75	9.69	13.0000	2.13

300# Flanged Immersion Heaters - Type IF

14F60N93F4Y3H3	166.50	60	480	5	200	92.25	12.69	13.0000	2.13
14F54N120F4Y3H3	180.00	54	480	6	217	110.25	15.69	13.0000	2.13
14F60N88H4S3H3	187.50	60	480	5	226	87.75	4.69	13.0000	2.13
14F60N95H4S3H3	187.50	60	480	5	226	94.75	11.69	13.0000	2.13
14F72N80H4S3H3	199.50	72	480	6	240	77.75	9.69	13.0000	2.13
14F72N93F4Y3H3	199.50	72	480	6	240	92.25	12.69	13.0000	2.13
14F60N120F4Y3H3	200.00	60	480	5	241	110.25	15.69	13.0000	2.13
14F54N120H4S3H3	202.50	54	480	9	244	119.25	13.19	13.0000	2.13
14F72N88H4S3H3	225.00	72	480	6	271	87.75	4.69	13.0000	2.13
14F72N95H4S3H3	225.00	72	480	6	271	94.75	11.69	13.0000	2.13
14F60N120H4S3H3	225.00	60	480	10	271	119.25	13.19	13.0000	2.13
14F54N140H4S3H3	236.00	54	480	9	284	139.25	15.69	13.0000	2.13
14F54N144F4Y3H3	239.50	54	480	6	288	143.25	15.69	13.0000	2.13
14F72N120F4Y3H3	240.00	72	480	6	289	110.25	15.69	13.0000	2.13
14F60N140H4S3H3	262.50	60	480	10	316	139.25	15.69	13.0000	2.13
14F60N144F4Y3H3	266.50	60	480	10	321	143.25	15.69	13.0000	2.13
14F72N120H4S3H3	270.00	72	480	12	325	119.25	13.19	13.0000	2.13
14F54N160H4S3H3	270.00	54	480	9	325	159.25	15.69	13.0000	2.13
14F60N160H4S3H3	300.00	60	480	10	361	159.25	15.69	13.0000	2.13
14F72N140H4S3H3	315.00	72	480	12	379	139.25	15.69	13.0000	2.13
14F72N144F4Y3H3	319.50	72	480	8	384	143.25	15.69	13.0000	2.13
14F72N160H4S3H3	360.00	72	480	12	433	159.25	15.69	13.0000	2.13

16 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
16F84N80H4S3H3	233.00	84	480	7	280	77.63	9.56	15.0000	2.25
16F84N93F4Y3H3	233.00	84	480	7	280	92.13	12.56	15.0000	2.25
16F90N80H4S3H3	249.50	90	480	15	300	77.63	9.56	15.0000	2.25
16F90N93F4Y3H3	249.50	90	480	10	300	92.13	12.56	15.0000	2.25
16F84N88H4S3H3	262.50	84	480	7	316	87.63	4.56	15.0000	2.25
16F84N95H4S3H3	262.50	84	480	7	316	94.63	11.56	15.0000	2.25
16F96N80H4S3H3	266.00	96	480	8	320	77.63	9.56	15.0000	2.25
16F96N93F4Y3H3	266.50	96	480	8	321	92.13	12.56	15.0000	2.25
16F84N120F4Y3H3	280.00	84	480	7	337	110.13	15.56	15.0000	2.25
16F90N88H4S3H3	281.00	90	480	15	338	87.63	4.56	15.0000	2.25
16F90N95H4S3H3	281.00	90	480	15	338	94.63	11.56	15.0000	2.25
16F96N88H4S3H3	300.00	96	480	8	361	87.63	4.56	15.0000	2.25
16F96N95H4S3H3	300.00	96	480	8	361	94.63	11.56	15.0000	2.25
16F90N120F4Y3H3	300.00	90	480	10	361	110.13	15.56	15.0000	2.25
16F84N120H4S3H3	315.00	84	480	14	379	119.13	13.06	15.0000	2.25
16F96N120F4Y3H3	320.00	96	480	8	385	110.13	15.56	15.0000	2.25
16F90N120H4S3H3	337.50	90	480	15	406	119.13	13.06	15.0000	2.25
16F96N120H4S3H3	360.00	96	480	16	433	119.13	13.06	15.0000	2.25
16F84N140H4S3H3	367.50	84	480	14	442	139.13	15.56	15.0000	2.25
16F84N144F4Y3H3	373.00	84	480	14	449	143.13	15.56	15.0000	2.25
16F90N140H4S3H3	393.50	90	480	15	473	139.13	15.56	15.0000	2.25
16F90N144F4Y3H3	399.50	90	480	10	481	143.13	15.56	15.0000	2.25
16F96N140H4S3H3	420.00	96	480	16	505	139.13	15.56	15.0000	2.25
16F84N160H4S3H3	420.00	84	480	14	505	159.13	15.56	15.0000	2.25
16F96N144F4Y3H3	426.50	96	480	16	513	143.13	15.56	15.0000	2.25
16F90N160H4S3H3	450.00	90	480	15	541	159.13	15.56	15.0000	2.25
16F96N160H4S3H3	480.00	96	480	16	577	159.13	15.56	15.0000	2.25

18 Inch Heaters

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300# Flanged Immersion Heaters - Type IF

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
18F108N93F4Y3H3	299.50	108	480	9	360	92.00	12.44	17.0000	2.38
18F108N88H4S3H3	337.50	108	480	9	406	87.50	4.44	17.0000	2.38
18F108N95H4S3H3	337.50	108	480	9	406	94.50	11.44	17.0000	2.38
18F108N120F4Y3H3	360.00	108	480	9	433	110.00	15.44	17.0000	2.38
18F108N120H4S3H3	405.00	108	480	18	487	119.00	12.94	17.0000	2.38
18F108N140H4S3H3	472.50	108	480	18	568	139.00	15.44	17.0000	2.38
18F108N144F4Y3H3	479.50	108	480	12	577	143.00	15.44	17.0000	2.38
18F108N160H4S3H3	540.00	108	480	18	650	159.00	15.44	17.0000	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
20F120N93F4Y3H3	333.00	120	480	10	401	91.88	12.31	19.0000	2.50
20F126N93F4Y3H3	349.50	126	480	14	420	91.88	12.31	19.0000	2.50
20F132N93F4Y3H3	366.50	132	480	11	441	91.88	12.31	19.0000	2.50
20F120N88H4S3H3	375.00	120	480	10	451	87.38	4.31	19.0000	2.50
20F120N95H4S3H3	375.00	120	480	10	451	94.38	11.31	19.0000	2.50
20F144N93F4Y3H3	399.50	144	480	12	481	91.88	12.31	19.0000	2.50
20F120N120F4Y3H3	400.00	120	480	10	481	109.88	15.31	19.0000	2.50
20F132N88H4S3H3	412.50	132	480	11	496	87.38	4.31	19.0000	2.50
20F132N95H4S3H3	412.50	132	480	11	496	94.38	11.31	19.0000	2.50
20F126N120F4Y3H3	420.00	126	480	14	505	109.88	15.31	19.0000	2.50
20F132N120F4Y3H3	440.00	132	480	11	529	109.88	15.31	19.0000	2.50
20F162N93F4Y3H3	449.50	162	480	18	541	91.88	12.31	19.0000	2.50
20F144N88H4S3H3	450.00	144	480	12	541	87.38	4.31	19.0000	2.50
20F144N95H4S3H3	450.00	144	480	12	541	94.38	11.31	19.0000	2.50
20F120N120H4S3H3	450.00	120	480	20	541	118.88	12.81	19.0000	2.50
20F126N120H4S3H3	472.50	126	480	21	568	118.88	12.81	19.0000	2.50
20F144N120F4Y3H3	480.00	144	480	12	577	109.88	15.31	19.0000	2.50
20F132N120H4S3H3	495.00	132	480	22	595	118.88	12.81	19.0000	2.50
20F180N93F4Y3H3	500.00	180	480	15	601	91.88	12.31	19.0000	2.50
20F120N140H4S3H3	525.00	120	480	20	631	138.88	15.31	19.0000	2.50
20F120N144F4Y3H3	533.00	120	480	20	641	142.88	15.31	19.0000	2.50
20F162N120F4Y3H3	540.00	162	480	18	650	109.88	15.31	19.0000	2.50
20F144N120H4S3H3	540.00	144	480	24	650	118.88	12.81	19.0000	2.50
20F126N140H4S3H3	551.00	126	480	21	663	138.88	15.31	19.0000	2.50
20F126N144F4Y3H3	560.00	126	480	14	674	142.88	15.31	19.0000	2.50
20F180N88H4S3H3	563.00	180	480	15	677	87.38	4.31	19.0000	2.50
20F180N95H4S3H3	563.00	180	480	15	677	94.38	11.31	19.0000	2.50
20F132N140H4S3H3	578.00	132	480	22	695	138.88	15.31	19.0000	2.50
20F132N144F4Y3H3	587.00	132	480	22	706	142.88	15.31	19.0000	2.50
20F180N120F4Y3H3	600.00	180	480	15	722	109.88	15.31	19.0000	2.50
20F120N160H4S3H3	600.00	120	480	20	722	158.88	15.31	19.0000	2.50
20F162N120H4S3H3	608.00	162	480	27	731	118.88	12.81	19.0000	2.50
20F144N140H4S3H3	630.00	144	480	24	758	138.88	15.31	19.0000	2.50
20F126N160H4S3H3	630.00	126	480	21	758	158.88	15.31	19.0000	2.50
20F144N144F4Y3H3	640.00	144	480	24	770	142.88	15.31	19.0000	2.50
20F132N160H4S3H3	660.00	132	480	22	794	158.88	15.31	19.0000	2.50
20F180N120H4S3H3	675.00	180	480	20	812	118.88	12.81	19.0000	2.50
20F162N140H4S3H3	709.00	162	480	27	853	138.88	15.31	19.0000	2.50
20F162N144F4Y3H3	720.00	162	480	18	866	142.88	15.31	19.0000	2.50
20F144N160H4S3H3	720.00	144	480	24	866	158.88	15.31	19.0000	2.50
20F180N140H4S3H3	788.00	180	480	20	948	138.88	15.31	19.0000	2.50
20F180N144F4Y3H3	800.00	180	480	20	962	142.88	15.31	19.0000	2.50

300# Flanged Immersion Heaters - Type IF

20F162N160H4S3H3	810.00	162	480	27	974	158.88	15.31	19.0000	2.50
20F180N160H4S3H3	900.00	180	480	30	1,083	158.88	15.31	19.0000	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
24F192N93F4Y3H3	533.00	192	480	16	641	91.63	12.06	23.0000	2.75
24F192N88H4S3H3	600.00	192	480	16	722	87.13	4.06	23.0000	2.75
24F216N93F4Y3H3	600.00	216	480	18	722	91.63	12.06	23.0000	2.75
24F192N95H4S3H3	600.00	192	480	16	722	94.13	11.06	23.0000	2.75
24F192N120F4Y3H3	640.00	192	480	16	770	109.63	15.06	23.0000	2.75
24F234N93F4Y3H3	650.00	234	480	26	782	91.63	12.06	23.0000	2.75
24F240N93F4Y3H3	667.00	240	480	20	802	91.63	12.06	23.0000	2.75
24F216N88H4S3H3	675.00	216	480	18	812	87.13	4.06	23.0000	2.75
24F216N95H4S3H3	675.00	216	480	18	812	94.13	11.06	23.0000	2.75
24F216N120F4Y3H3	720.00	216	480	18	866	109.63	15.06	23.0000	2.75
24F192N120H4S3H3	720.00	192	480	32	866	118.63	12.56	23.0000	2.75
24F240N88H4S3H3	750.00	240	480	20	902	87.13	4.06	23.0000	2.75
24F240N95H4S3H3	750.00	240	480	20	902	94.13	11.06	23.0000	2.75
24F234N120F4Y3H3	780.00	234	480	26	938	109.63	15.06	23.0000	2.75
24F240N120F4Y3H3	800.00	240	480	20	962	109.63	15.06	23.0000	2.75
24F216N120H4S3H3	810.00	216	480	36	974	118.63	12.56	23.0000	2.75
24F192N140H4S3H3	840.00	192	480	32	1,010	138.63	15.06	23.0000	2.75
24F192N144F4Y3H3	853.00	192	480	32	1,026	142.63	15.06	23.0000	2.75
24F234N120H4S3H3	878.00	234	480	39	1,056	118.63	12.56	23.0000	2.75
24F240N120H4S3H3	900.00	240	480	40	1,083	118.63	12.56	23.0000	2.75
24F216N140H4S3H3	945.00	216	480	36	1,137	138.63	15.06	23.0000	2.75
24F216N144F4Y3H3	960.00	216	480	24	1,155	142.63	15.06	23.0000	2.75
24F192N160H4S3H3	960.00	192	480	32	1,155	158.63	15.06	23.0000	2.75
24F234N140H4S3H3	1,024.00	234	480	39	1,232	138.63	15.06	23.0000	2.75
24F234N144F4Y3H3	1,040.00	234	480	26	1,251	142.63	15.06	23.0000	2.75
24F240N140H4S3H3	1,050.00	240	480	40	1,263	138.63	15.06	23.0000	2.75
24F240N144F4Y3H3	1,067.00	240	480	40	1,283	142.63	15.06	23.0000	2.75
24F216N160H4S3H3	1,080.00	216	480	36	1,299	158.63	15.06	23.0000	2.75
24F234N160H4S3H3	1,170.00	234	480	39	1,407	158.63	15.06	23.0000	2.75
24F240N160H4S3H3	1,200.00	240	480	40	1,443	158.63	15.06	23.0000	2.75

10 Watts/Sq. Inch

3 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
3F3N44G4Y3H3	3.00	3	480	1	4	44.25	10.69	2.9000	1.13
3F3N56G4Y3H3	4.00	3	480	1	5	56.25	10.69	2.9000	1.13
3F3N67G4Y3H3	5.00	3	480	1	6	67.25	10.69	2.9000	1.13
3F3N80G4Y3H3	6.00	3	480	1	7	80.25	12.69	2.9000	1.13
3F3N100G4Y3H3	7.50	3	480	1	9	100.25	12.69	2.9000	1.13
3F3N120G4Y3H3	9.50	3	480	1	11	120.25	12.69	2.9000	1.13
3F3N140G4Y3H3	11.00	3	480	1	13	140.25	16.69	2.9000	1.13
3F3N160G4Y3H3	13.00	3	480	1	16	160.25	16.69	2.9000	1.13

4 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
4F6N44G4Y3H3	6.00	6	480	1	7	44.13	10.56	3.8260	1.25
4F6N56G4Y3H3	8.00	6	480	1	10	56.13	10.56	3.8260	1.25
4F6N67G4Y3H3	10.00	6	480	1	12	67.13	10.56	3.8260	1.25

300# Flanged Immersion Heaters - Type IF

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
10F30N44G4Y3H3	30.00	30	480	1	36	43.50	9.94	9.7500	1.88
10F36N44G4Y3H3	36.00	36	480	1	43	43.50	9.94	9.7500	1.88
10F30N56G4Y3H3	40.00	30	480	1	48	55.50	9.94	9.7500	1.88
10F36N56G4Y3H3	48.00	36	480	2	58	55.50	9.94	9.7500	1.88
10F30N67G4Y3H3	50.00	30	480	2	60	66.50	9.94	9.7500	1.88
10F36N67G4Y3H3	60.00	36	480	2	72	66.50	9.94	9.7500	1.88
10F30N80G4Y3H3	60.00	30	480	2	72	79.50	11.94	9.7500	1.88
10F36N80G4Y3H3	72.00	36	480	2	87	79.50	11.94	9.7500	1.88
10F30N100G4Y3H3	75.00	30	480	2	90	99.50	11.94	9.7500	1.88
10F36N100G4Y3H3	90.00	36	480	3	108	99.50	11.94	9.7500	1.88
10F30N140G4Y3H3	110.00	30	480	5	132	139.50	15.94	9.7500	1.88
10F36N120G4Y3H3	114.00	36	480	3	137	119.50	11.94	9.7500	1.88
10F30N160G4Y3H3	130.00	30	480	5	156	159.50	15.94	9.7500	1.88
10F36N140G4Y3H3	132.00	36	480	4	159	139.50	15.94	9.7500	1.88
10F36N160G4Y3H3	156.00	36	480	4	188	159.50	15.94	9.7500	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
12F48N44G4Y3H3	48.00	48	480	2	58	43.38	9.81	11.7500	2.00
12F48N56G4Y3H3	64.00	48	480	2	77	55.38	9.81	11.7500	2.00
12F48N67G4Y3H3	80.00	48	480	2	96	66.38	9.81	11.7500	2.00
12F48N80G4Y3H3	96.00	48	480	4	115	79.38	11.81	11.7500	2.00
12F54N80G4Y3H3	108.00	54	480	3	130	79.38	11.81	11.7500	2.00
12F48N100G4Y3H3	120.00	48	480	4	144	99.38	11.81	11.7500	2.00
12F54N100G4Y3H3	135.00	54	480	6	162	99.38	11.81	11.7500	2.00
12F48N120G4Y3H3	152.00	48	480	4	183	119.38	11.81	11.7500	2.00
12F54N120G4Y3H3	171.00	54	480	6	206	119.38	11.81	11.7500	2.00
12F48N140G4Y3H3	176.00	48	480	8	212	139.38	15.81	11.7500	2.00
12F54N140G4Y3H3	198.00	54	480	6	238	139.38	15.81	11.7500	2.00
12F48N160G4Y3H3	208.00	48	480	8	250	159.38	15.81	11.7500	2.00
12F54N160G4Y3H3	234.00	54	480	6	281	159.38	15.81	11.7500	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
14F54N80G4Y3H3	108.00	54	480	3	130	79.25	11.69	13.0000	2.13
14F60N80G4Y3H3	120.00	60	480	4	144	79.25	11.69	13.0000	2.13
14F54N100G4Y3H3	135.00	54	480	6	162	99.25	11.69	13.0000	2.13
14F72N80G4Y3H3	144.00	72	480	4	173	79.25	11.69	13.0000	2.13
14F60N100G4Y3H3	150.00	60	480	4	180	99.25	11.69	13.0000	2.13
14F54N120G4Y3H3	171.00	54	480	6	206	119.25	11.69	13.0000	2.13
14F72N100G4Y3H3	180.00	72	480	6	217	99.25	11.69	13.0000	2.13
14F60N120G4Y3H3	190.00	60	480	5	229	119.25	11.69	13.0000	2.13
14F54N140G4Y3H3	198.00	54	480	6	238	139.25	15.69	13.0000	2.13
14F60N140G4Y3H3	220.00	60	480	10	265	139.25	15.69	13.0000	2.13
14F72N120G4Y3H3	228.00	72	480	6	274	119.25	11.69	13.0000	2.13
14F54N160G4Y3H3	234.00	54	480	6	281	159.25	15.69	13.0000	2.13
14F60N160G4Y3H3	260.00	60	480	10	313	159.25	15.69	13.0000	2.13
14F72N140G4Y3H3	264.00	72	480	8	318	139.25	15.69	13.0000	2.13
14F72N160G4Y3H3	312.00	72	480	8	375	159.25	15.69	13.0000	2.13

16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
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300# Flanged Immersion Heaters - Type IF

16F84N80G4Y3H3	168.00	84	480	7	202	79.13	11.56	15.0000	2.25
16F90N80G4Y3H3	180.00	90	480	5	217	79.13	11.56	15.0000	2.25
16F96N80G4Y3H3	192.00	96	480	8	231	79.13	11.56	15.0000	2.25
16F84N100G4Y3H3	210.00	84	480	7	253	99.13	11.56	15.0000	2.25
16F90N100G4Y3H3	225.00	90	480	10	271	99.13	11.56	15.0000	2.25
16F96N100G4Y3H3	240.00	96	480	8	289	99.13	11.56	15.0000	2.25
16F84N120G4Y3H3	266.00	84	480	7	320	119.13	11.56	15.0000	2.25
16F90N120G4Y3H3	285.00	90	480	10	343	119.13	11.56	15.0000	2.25
16F96N120G4Y3H3	304.00	96	480	8	366	119.13	11.56	15.0000	2.25
16F84N140G4Y3H3	308.00	84	480	14	370	139.13	15.56	15.0000	2.25
16F90N140G4Y3H3	330.00	90	480	10	397	139.13	15.56	15.0000	2.25
16F96N140G4Y3H3	352.00	96	480	16	423	139.13	15.56	15.0000	2.25
16F84N160G4Y3H3	364.00	84	480	14	438	159.13	15.56	15.0000	2.25
16F90N160G4Y3H3	390.00	90	480	10	469	159.13	15.56	15.0000	2.25
16F96N160G4Y3H3	416.00	96	480	16	500	159.13	15.56	15.0000	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
18F108N100G4Y3H3	270.00	108	480	9	325	99.00	11.44	17.0000	2.38
18F108N120G4Y3H3	342.00	108	480	9	411	119.00	11.44	17.0000	2.38
18F108N140G4Y3H3	396.00	108	480	12	476	139.00	15.44	17.0000	2.38
18F108N160G4Y3H3	468.00	108	480	12	563	159.00	15.44	17.0000	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
20F120N100G4Y3H3	300.00	120	480	8	361	98.88	11.31	19.0000	2.50
20F126N100G4Y3H3	315.00	126	480	14	379	98.88	11.31	19.0000	2.50
20F132N100G4Y3H3	330.00	132	480	11	397	98.88	11.31	19.0000	2.50
20F144N100G4Y3H3	360.00	144	480	12	433	98.88	11.31	19.0000	2.50
20F120N120G4Y3H3	380.00	120	480	10	457	118.88	11.31	19.0000	2.50
20F126N120G4Y3H3	399.00	126	480	14	480	118.88	11.31	19.0000	2.50
20F162N100G4Y3H3	405.00	162	480	18	487	98.88	11.31	19.0000	2.50
20F132N120G4Y3H3	418.00	132	480	11	503	118.88	11.31	19.0000	2.50
20F120N140G4Y3H3	440.00	120	480	20	529	138.88	15.31	19.0000	2.50
20F180N100G4Y3H3	450.00	180	480	12	541	98.88	11.31	19.0000	2.50
20F144N120G4Y3H3	456.00	144	480	12	548	118.88	11.31	19.0000	2.50
20F126N140G4Y3H3	462.00	126	480	14	556	138.88	15.31	19.0000	2.50
20F132N140G4Y3H3	484.00	132	480	22	582	138.88	15.31	19.0000	2.50
20F162N120G4Y3H3	513.00	162	480	18	617	118.88	11.31	19.0000	2.50
20F120N160G4Y3H3	520.00	120	480	20	625	158.88	15.31	19.0000	2.50
20F144N140G4Y3H3	528.00	144	480	24	635	138.88	15.31	19.0000	2.50
20F126N160G4Y3H3	546.00	126	480	14	657	158.88	15.31	19.0000	2.50
20F180N120G4Y3H3	570.00	180	480	15	686	118.88	11.31	19.0000	2.50
20F132N160G4Y3H3	572.00	132	480	22	688	158.88	15.31	19.0000	2.50
20F162N140G4Y3H3	594.00	162	480	18	714	138.88	15.31	19.0000	2.50
20F144N160G4Y3H3	624.00	144	480	24	751	158.88	15.31	19.0000	2.50
20F180N140G4Y3H3	660.00	180	480	20	794	138.88	15.31	19.0000	2.50
20F162N160G4Y3H3	702.00	162	480	18	844	158.88	15.31	19.0000	2.50
20F180N160G4Y3H3	780.00	180	480	20	938	158.88	15.31	19.0000	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
24F192N100G4Y3H3	480.00	192	480	16	577	98.63	11.06	23.0000	2.75

300# Flanged Immersion Heaters - Type IF

24F216N100G4Y3H3	540.00	216	480	18	650	98.63	11.06	23.0000	2.75
24F234N100G4Y3H3	585.00	234	480	26	704	98.63	11.06	23.0000	2.75
24F240N100G4Y3H3	600.00	240	480	16	722	98.63	11.06	23.0000	2.75
24F192N120G4Y3H3	608.00	192	480	16	731	118.63	11.06	23.0000	2.75
24F216N120G4Y3H3	684.00	216	480	18	823	118.63	11.06	23.0000	2.75
24F192N140G4Y3H3	704.00	192	480	32	847	138.63	15.06	23.0000	2.75
24F234N120G4Y3H3	741.00	234	480	26	891	118.63	11.06	23.0000	2.75
24F240N120G4Y3H3	760.00	240	480	20	914	118.63	11.06	23.0000	2.75
24F216N140G4Y3H3	792.00	216	480	24	953	138.63	15.06	23.0000	2.75
24F192N160G4Y3H3	832.00	192	480	32	1,001	158.63	15.06	23.0000	2.75
24F234N140G4Y3H3	858.00	234	480	26	1,032	138.63	15.06	23.0000	2.75
24F240N140G4Y3H3	880.00	240	480	40	1,059	138.63	15.06	23.0000	2.75
24F216N160G4Y3H3	936.00	216	480	24	1,126	158.63	15.06	23.0000	2.75
24F234N160G4Y3H3	1,014.00	234	480	26	1,220	158.63	15.06	23.0000	2.75
24F240N160G4Y3H3	1,040.00	240	480	40	1,251	158.63	15.06	23.0000	2.75

9 Watts/Sq. Inch

4 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
4F6N48F4S3H3	4.88	6	480	1	6	48.13	16.56	3.8260	1.25
4F6N61F4S3H3	7.50	6	480	1	9	61.13	13.56	3.8260	1.25
4F6N77F4S3H3	9.88	6	480	1	12	77.13	13.56	3.8260	1.25
4F6N84F4S3H3	10.00	6	240	1	24	84.13	16.56	3.8260	1.25
4F6N93F4S3H3	12.25	6	480	1	15	93.13	13.56	3.8260	1.25
4F6N111F4S3H3	15.00	6	240	1	36	-1.38	16.56	3.8260	1.25
4F6N120F4S3H3	15.00	6	480	1	18	111.13	16.56	3.8260	1.25
4F6N144F4S3H3	20.00	6	480	1	24	144.13	16.56	3.8260	1.25

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
6F12N48F4S3H3	9.88	12	480	1	12	47.94	16.38	5.7610	1.44
6F12N61F4S3H3	15.00	12	480	1	18	60.94	13.38	5.7610	1.44
6F12N77F4S3H3	19.75	12	480	1	24	76.94	13.38	5.7610	1.44
6F12N84F4S3H3	20.00	12	240	1	48	83.94	16.38	5.7610	1.44
6F12N93F4S3H3	24.75	12	480	1	30	92.94	13.38	5.7610	1.44
6F12N111F4S3H3	30.00	12	240	2	72	-1.56	16.38	5.7610	1.44
6F12N120F4S3H3	30.00	12	480	1	36	110.94	16.38	5.7610	1.44
6F12N144F4S3H3	40.00	12	480	1	48	143.94	16.38	5.7610	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
8F18N48F4S3H3	15.00	18	480	1	18	47.75	16.19	7.6250	1.63
8F24N48F4S3H3	20.00	24	480	1	24	47.75	16.19	7.6250	1.63
8F18N61F4S3H3	22.50	18	480	1	27	60.75	13.19	7.6250	1.63
8F18N77F4S3H3	29.75	18	480	1	36	76.75	13.19	7.6250	1.63
8F24N61F4S3H3	30.00	24	480	1	36	60.75	13.19	7.6250	1.63
8F18N93F4S3H3	37.25	18	480	1	45	92.75	13.19	7.6250	1.63
8F24N77F4S3H3	39.75	24	480	1	48	76.75	13.19	7.6250	1.63
8F24N93F4S3H3	49.75	24	480	2	60	92.75	13.19	7.6250	1.63
8F24N120F4S3H3	60.00	24	480	2	72	110.75	16.19	7.6250	1.63
8F18N144F4S3H3	60.00	18	480	3	72	143.75	16.19	7.6250	1.63
8F24N144F4S3H3	79.75	24	480	2	96	143.75	16.19	7.6250	1.63

10 Inch Heaters

300# Flanged Immersion Heaters - Type IF

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
10F30N48F4S3H3	25.00	30	480	1	30	47.50	15.94	9.7500	1.88
10F36N48F4S3H3	30.00	36	480	1	36	47.50	15.94	9.7500	1.88
10F30N61F4S3H3	37.50	30	480	1	45	60.50	12.94	9.7500	1.88
10F36N61F4S3H3	45.00	36	480	2	54	60.50	12.94	9.7500	1.88
10F36N77F4S3H3	59.75	36	480	2	72	76.50	12.94	9.7500	1.88
10F36N93F4S3H3	74.75	36	480	2	90	92.50	12.94	9.7500	1.88
10F36N120F4S3H3	90.00	36	480	3	108	110.50	15.94	9.7500	1.88
10F36N144F4S3H3	120.00	36	480	3	144	143.50	15.94	9.7500	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
12F48N48F4S3H3	40.00	48	480	1	48	47.38	15.81	11.7500	2.00
12F48N61F4S3H3	60.00	48	480	2	72	60.38	12.81	11.7500	2.00
12F48N77F4S3H3	79.75	48	480	2	96	76.38	12.81	11.7500	2.00
12F48N93F4S3H3	99.75	48	480	4	120	92.38	12.81	11.7500	2.00
12F54N93F4S3H3	112.00	54	480	3	135	92.38	12.81	11.7500	2.00
12F48N120F4S3H3	120.00	48	480	4	144	110.38	15.81	11.7500	2.00
12F48N144F4S3H3	160.00	48	480	4	192	143.38	15.81	11.7500	2.00
12F54N144F4S3H3	180.00	54	480	9	217	143.38	15.81	11.7500	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
14F54N93F4S3H3	112.00	54	480	3	135	92.25	12.69	13.0000	2.13
14F60N93F4S3H3	124.50	60	480	5	150	92.25	12.69	13.0000	2.13
14F72N93F4S3H3	149.50	72	480	4	180	92.25	12.69	13.0000	2.13
14F60N120F4S3H3	150.00	60	480	5	180	110.25	15.69	13.0000	2.13
14F72N120F4S3H3	180.00	72	480	6	217	110.25	15.69	13.0000	2.13
14F54N144F4S3H3	180.00	54	480	9	217	143.25	15.69	13.0000	2.13
14F60N144F4S3H3	199.50	60	480	5	240	143.25	15.69	13.0000	2.13
14F72N144F4S3H3	239.50	72	480	6	288	143.25	15.69	13.0000	2.13

16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
16F84N93F4S3H3	174.50	84	480	7	210	92.13	12.56	15.0000	2.25
16F90N93F4S3H3	187.00	90	480	5	225	92.13	12.56	15.0000	2.25
16F96N93F4S3H3	199.50	96	480	8	240	92.13	12.56	15.0000	2.25
16F84N120F4S3H3	210.00	84	480	7	253	110.13	15.56	15.0000	2.25
16F96N120F4S3H3	240.00	96	480	8	289	110.13	15.56	15.0000	2.25
16F84N144F4S3H3	279.50	84	480	7	336	143.13	15.56	15.0000	2.25
16F90N144F4S3H3	299.50	90	480	15	360	143.13	15.56	15.0000	2.25
16F96N144F4S3H3	319.50	96	480	8	384	143.13	15.56	15.0000	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
18F108N93F4S3H3	224.50	108	480	6	270	92.00	12.44	17.0000	2.38
18F108N120F4S3H3	270.00	108	480	9	325	110.00	15.44	17.0000	2.38
18F108N144F4S3H3	359.50	108	480	9	432	143.00	15.44	17.0000	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
20F120N93F4S3H3	249.50	120	480	10	300	91.88	12.31	19.0000	2.50

300# Flanged Immersion Heaters - Type IF

20F126N93F4S3H3	262.00	126	480	7	315	91.88	12.31	19.0000	2.50
20F132N93F4S3H3	274.50	132	480	11	330	91.88	12.31	19.0000	2.50
20F144N93F4S3H3	299.50	144	480	8	360	91.88	12.31	19.0000	2.50
20F120N120F4S3H3	300.00	120	480	10	361	109.88	15.31	19.0000	2.50
20F132N120F4S3H3	330.00	132	480	11	397	109.88	15.31	19.0000	2.50
20F162N93F4S3H3	337.00	162	480	9	405	91.88	12.31	19.0000	2.50
20F144N120F4S3H3	360.00	144	480	12	433	109.88	15.31	19.0000	2.50
20F180N93F4S3H3	374.50	180	480	10	450	91.88	12.31	19.0000	2.50
20F120N144F4S3H3	399.50	120	480	10	481	142.88	15.31	19.0000	2.50
20F132N144F4S3H3	439.50	132	480	11	529	142.88	15.31	19.0000	2.50
20F180N120F4S3H3	450.00	180	480	12	541	109.88	15.31	19.0000	2.50
20F144N144F4S3H3	479.50	144	480	12	577	142.88	15.31	19.0000	2.50
20F180N144F4S3H3	600.00	180	480	15	722	142.88	15.31	19.0000	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
24F192N93F4S3H3	399.50	192	480	16	481	91.63	12.06	23.0000	2.75
24F216N93F4S3H3	449.50	216	480	12	541	91.63	12.06	23.0000	2.75
24F192N120F4S3H3	480.00	192	480	16	577	109.63	15.06	23.0000	2.75
24F234N93F4S3H3	487.00	234	480	13	586	91.63	12.06	23.0000	2.75
24F240N93F4S3H3	500.00	240	480	20	601	91.63	12.06	23.0000	2.75
24F216N120F4S3H3	540.00	216	480	18	650	109.63	15.06	23.0000	2.75
24F240N120F4S3H3	600.00	240	480	20	722	109.63	15.06	23.0000	2.75
24F192N144F4S3H3	640.00	192	480	16	770	142.63	15.06	23.0000	2.75
24F216N144F4S3H3	720.00	216	480	18	866	142.63	15.06	23.0000	2.75
24F240N144F4S3H3	800.00	240	480	20	962	142.63	15.06	23.0000	2.75

8 Watts/Sq. Inch

3 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
3F3N10M2Y3H3	0.50	3	240	1	1	10.25	3.69	2.9000	1.13
3F3N13M4Y3H3	0.75	3	480	1	1	13.25	3.69	2.9000	1.13
3F3N13M2Y3H3	0.75	3	120	1	4	13.25	3.69	2.9000	1.13
3F3N13M1Y3H3	0.75	3	120	1	4	13.25	3.69	2.9000	1.13
3F3N18M2Y3H3	1.00	3	240	1	2	17.75	3.69	2.9000	1.13
3F3N18M4Y3H3	1.00	3	480	1	1	17.75	3.69	2.9000	1.13
3F3N20M2Y3H3	1.25	3	240	1	3	19.75	3.69	2.9000	1.13
3F3N20M4Y3H3	1.25	3	480	1	2	20.25	3.69	2.9000	1.13
3F3N25M4Y3H3	1.50	3	480	1	2	25.25	3.69	2.9000	1.13
3F3N25M2Y3H3	1.50	3	240	1	4	25.25	3.69	2.9000	1.13
3F3N25M1Y3H3	1.50	3	120	1	7	25.25	3.69	2.9000	1.13
3F3N33M4Y3H3	2.00	3	480	1	2	32.75	3.69	2.9000	1.13
3F3N40M4Y3H3	2.50	3	480	1	3	40.25	3.69	2.9000	1.13
3F3N40M2Y3H3	2.50	3	240	1	6	40.25	3.69	2.9000	1.13
3F3N48M4Y3H3	3.00	3	480	1	4	47.75	3.69	2.9000	1.13
3F3N52M4Y3H3	3.25	3	480	1	4	51.75	5.69	2.9000	1.13
3F3N52M2Y3H3	3.25	3	240	1	8	51.75	5.69	2.9000	1.13
3F3N59M4Y3H3	3.25	3	480	1	4	57.75	12.69	2.9000	1.13
3F3N64M4Y3H3	4.25	3	480	1	5	64.25	5.69	2.9000	1.13
3F3N64M2Y3H3	4.25	3	240	1	10	64.25	5.69	2.9000	1.13
3F3N73M4Y3H3	4.25	3	480	1	5	71.75	16.69	2.9000	1.13
3F3N77M4Y3H3	5.00	3	480	1	6	76.75	5.69	2.9000	1.13
3F3N77M2Y3H3	5.00	3	240	1	12	76.75	5.69	2.9000	1.13
3F3N88M4Y3H3	5.50	3	480	1	7	88.75	5.69	2.9000	1.13

300# Flanged Immersion Heaters - Type IF

3F3N95M4Y3H3	5.50	3	480	1	7	93.75	12.69	2.9000	1.13
3F3N106M4Y3H3	6.25	3	480	1	8	106.25	12.69	2.9000	1.13
3F3N120M4Y3H3	7.75	3	480	1	9	120.25	12.69	2.9000	1.13
3F3N140M4Y3H3	8.75	3	480	1	11	140.25	16.69	2.9000	1.13
3F3N160M4Y3H3	10.00	3	480	1	12	160.25	16.69	2.9000	1.13

4 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
4F6N10M2Y3H3	1.00	6	240	1	2	10.13	3.56	3.8260	1.25
4F6N13M1Y3H3	1.50	6	120	1	7	13.13	3.56	3.8260	1.25
4F6N13M2Y3H3	1.50	6	120	1	7	13.13	3.56	3.8260	1.25
4F6N13M4Y3H3	1.50	6	480	1	2	13.13	3.56	3.8260	1.25
4F6N18M4Y3H3	2.00	6	480	1	2	17.63	3.56	3.8260	1.25
4F6N18M2Y3H3	2.00	6	240	1	5	17.63	3.56	3.8260	1.25
4F6N20M2Y3H3	2.50	6	240	1	6	19.63	3.56	3.8260	1.25
4F6N20M4Y3H3	2.50	6	480	1	3	20.13	3.56	3.8260	1.25
4F6N25M1Y3H3	3.00	6	120	1	14	25.13	3.56	3.8260	1.25
4F6N25M4Y3H3	3.00	6	480	1	4	25.13	3.56	3.8260	1.25
4F6N25M2Y3H3	3.00	6	240	1	7	25.13	3.56	3.8260	1.25
4F6N33M4Y3H3	4.00	6	480	1	5	32.63	3.56	3.8260	1.25
4F6N44G4S3H3	4.50	6	480	1	5	44.13	10.56	3.8260	1.25
4F6N40M4Y3H3	5.00	6	480	1	6	40.13	3.56	3.8260	1.25
4F6N40M2Y3H3	5.00	6	240	1	12	40.13	3.56	3.8260	1.25
4F6N48M4Y3H3	6.00	6	480	1	7	47.63	3.56	3.8260	1.25
4F6N56G4S3H3	6.00	6	480	1	7	56.13	10.56	3.8260	1.25
4F6N52M4Y3H3	6.63	6	480	1	8	51.63	5.56	3.8260	1.25
4F6N52M2Y3H3	6.63	6	240	1	16	51.63	5.56	3.8260	1.25
4F6N59M4Y3H3	6.63	6	480	1	8	57.63	12.56	3.8260	1.25
4F6N67G4S3H3	7.50	6	480	1	9	67.13	10.56	3.8260	1.25
4F6N64M4Y3H3	8.50	6	480	1	10	64.13	5.56	3.8260	1.25
4F6N64M2Y3H3	8.50	6	240	1	20	64.13	5.56	3.8260	1.25
4F6N73M4Y3H3	8.50	6	480	1	10	71.63	16.56	3.8260	1.25
4F6N80G4S3H3	9.00	6	480	1	11	80.13	12.56	3.8260	1.25
4F6N77M4Y3H3	10.00	6	480	1	12	76.63	5.56	3.8260	1.25
4F6N77M2Y3H3	10.00	6	240	1	24	76.63	5.56	3.8260	1.25
4F6N88M4Y3H3	11.00	6	480	1	13	88.63	5.56	3.8260	1.25
4F6N95M4Y3H3	11.00	6	480	1	13	93.63	12.56	3.8260	1.25
4F6N100G4S3H3	11.25	6	480	1	14	100.13	12.56	3.8260	1.25
4F6N106M4Y3H3	12.50	6	480	1	15	106.13	12.56	3.8260	1.25
4F6N120G4S3H3	14.25	6	480	1	17	120.13	12.56	3.8260	1.25
4F6N120M4Y3H3	15.50	6	480	1	19	120.13	12.56	3.8260	1.25
4F6N140G4S3H3	16.50	6	480	1	20	140.13	16.56	3.8260	1.25
4F6N140M4Y3H3	17.50	6	480	1	21	140.13	16.56	3.8260	1.25
4F6N160G4S3H3	19.50	6	480	1	23	160.13	16.56	3.8260	1.25
4F6N160M4Y3H3	20.00	6	480	1	24	160.13	16.56	3.8260	1.25

5 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
5F9N10M2Y3H3	1.50	9	240	1	4	10.00	3.44	4.8125	1.38
5F9N13M4Y3H3	2.25	9	480	1	3	13.00	3.44	4.8125	1.38
5F9N18M4Y3H3	3.00	9	480	1	4	17.50	3.44	4.8125	1.38
5F9N18M2Y3H3	3.00	9	240	1	7	17.50	3.44	4.8125	1.38
5F9N20M2Y3H3	3.75	9	240	1	9	19.50	3.44	4.8125	1.38
5F9N20M4Y3H3	3.75	9	480	1	5	20.00	3.44	4.8125	1.38

300# Flanged Immersion Heaters - Type IF

5F9N25M4Y3H3	4.50	9	480	1	5	25.00	3.44	4.8125	1.38
5F9N25M2Y3H3	4.50	9	240	1	11	25.00	3.44	4.8125	1.38
5F9N33M4Y3H3	6.00	9	480	1	7	32.50	3.44	4.8125	1.38
5F9N40M2Y3H3	7.50	9	240	1	18	40.00	3.44	4.8125	1.38
5F9N40M4Y3H3	7.50	9	480	1	9	40.00	3.44	4.8125	1.38
5F9N48M4Y3H3	9.00	9	480	1	11	47.50	3.44	4.8125	1.38
5F9N52M4Y3H3	10.00	9	480	1	12	51.50	5.44	4.8125	1.38
5F9N52M2Y3H3	10.00	9	240	1	24	51.50	5.44	4.8125	1.38
5F9N59M4Y3H3	10.00	9	480	1	12	57.50	12.44	4.8125	1.38
5F9N64M2Y3H3	12.75	9	240	1	31	64.00	5.44	4.8125	1.38
5F9N64M4Y3H3	12.75	9	480	1	15	64.00	5.44	4.8125	1.38
5F9N73M4Y3H3	12.75	9	480	1	15	71.50	16.44	4.8125	1.38
5F9N77M2Y3H3	15.00	9	240	1	36	76.50	5.44	4.8125	1.38
5F9N77M4Y3H3	15.00	9	480	1	18	76.50	5.44	4.8125	1.38
5F9N88M4Y3H3	16.75	9	480	1	20	88.50	5.44	4.8125	1.38
5F9N95M4Y3H3	16.75	9	480	1	20	93.50	12.44	4.8125	1.38
5F9N106M4Y3H3	18.75	9	480	1	23	106.00	12.44	4.8125	1.38
5F9N120M4Y3H3	23.25	9	480	1	28	120.00	12.44	4.8125	1.38
5F9N140M4Y3H3	26.25	9	480	1	32	140.00	16.44	4.8125	1.38
5F9N160M4Y3H3	30.00	9	480	1	36	160.00	16.44	4.8125	1.38

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
6F12N10M2Y3H3	2.00	12	240	1	5	9.94	3.38	5.7610	1.44
6F15N10M2Y3H3	2.50	15	240	1	6	9.94	3.38	5.7610	1.44
6F12N13M4Y3H3	3.00	12	480	1	4	12.94	3.38	5.7610	1.44
6F15N13M4Y3H3	3.75	15	480	1	5	12.94	3.38	5.7610	1.44
6F12N18M4Y3H3	4.00	12	480	1	5	17.44	3.38	5.7610	1.44
6F12N18M2Y3H3	4.00	12	240	1	10	17.44	3.38	5.7610	1.44
6F15N18M4Y3H3	5.00	15	480	1	6	17.44	3.38	5.7610	1.44
6F15N18M2Y3H3	5.00	15	240	1	12	17.44	3.38	5.7610	1.44
6F12N20M2Y3H3	5.00	12	240	1	12	19.44	3.38	5.7610	1.44
6F12N20M4Y3H3	5.00	12	480	1	6	19.94	3.38	5.7610	1.44
6F12N25M2Y3H3	6.00	12	240	1	14	24.94	3.38	5.7610	1.44
6F12N25M4Y3H3	6.00	12	480	1	7	24.94	3.38	5.7610	1.44
6F15N20M2Y3H3	6.25	15	240	1	15	19.44	3.38	5.7610	1.44
6F15N20M4Y3H3	6.25	15	480	1	8	19.94	3.38	5.7610	1.44
6F15N25M2Y3H3	7.50	15	240	1	18	24.94	3.38	5.7610	1.44
6F15N25M4Y3H3	7.50	15	480	1	9	24.94	3.38	5.7610	1.44
6F12N33M4Y3H3	8.00	12	480	1	10	32.44	3.38	5.7610	1.44
6F12N44G4S3H3	9.00	12	480	1	11	43.94	10.38	5.7610	1.44
6F15N33M4Y3H3	10.00	15	480	1	12	32.44	3.38	5.7610	1.44
6F12N40M4Y3H3	10.00	12	480	1	12	39.94	3.38	5.7610	1.44
6F12N40M2Y3H3	10.00	12	240	1	24	39.94	3.38	5.7610	1.44
6F12N48M4Y3H3	12.00	12	480	1	14	47.44	3.38	5.7610	1.44
6F12N56G4S3H3	12.00	12	480	1	14	55.94	10.38	5.7610	1.44
6F15N40M4Y3H3	12.50	15	480	1	15	39.94	3.38	5.7610	1.44
6F15N40M2Y3H3	12.50	15	240	1	30	39.94	3.38	5.7610	1.44
6F12N52M4Y3H3	13.25	12	480	1	16	51.44	5.38	5.7610	1.44
6F12N52M2Y3H3	13.25	12	240	1	32	51.44	5.38	5.7610	1.44
6F12N59M4Y3H3	13.25	12	480	1	16	57.44	12.38	5.7610	1.44
6F15N48M4Y3H3	15.00	15	480	1	18	47.44	3.38	5.7610	1.44
6F12N67G4S3H3	15.00	12	480	1	18	66.94	10.38	5.7610	1.44
6F15N52M2Y3H3	16.50	15	240	1	40	51.44	5.38	5.7610	1.44

300# Flanged Immersion Heaters - Type IF

6F15N52M4Y3H3	16.50	15	480	1	20	51.44	5.38	5.7610	1.44
6F15N59M4Y3H3	16.50	15	480	1	20	57.44	12.38	5.7610	1.44
6F12N64M4Y3H3	17.00	12	480	1	20	63.94	5.38	5.7610	1.44
6F12N64M2Y3H3	17.00	12	240	1	41	63.94	5.38	5.7610	1.44
6F12N73M4Y3H3	17.00	12	480	1	20	71.44	16.38	5.7610	1.44
6F12N80G4S3H3	18.00	12	480	1	22	79.94	12.38	5.7610	1.44
6F12N77M2Y3H3	20.00	12	240	1	48	76.44	5.38	5.7610	1.44
6F12N77M4Y3H3	20.00	12	480	1	24	76.44	5.38	5.7610	1.44
6F15N64M4Y3H3	21.25	15	480	1	26	63.94	5.38	5.7610	1.44
6F15N73M4Y3H3	21.25	15	480	1	26	71.44	16.38	5.7610	1.44
6F12N88M4Y3H3	22.25	12	480	1	27	88.44	5.38	5.7610	1.44
6F12N95M4Y3H3	22.25	12	480	1	27	93.44	12.38	5.7610	1.44
6F12N100G4S3H3	22.50	12	480	1	27	99.94	12.38	5.7610	1.44
6F15N77M4Y3H3	25.00	15	480	1	30	76.44	5.38	5.7610	1.44
6F12N106M4Y3H3	25.00	12	480	1	30	105.94	12.38	5.7610	1.44
6F15N88M4Y3H3	28.00	15	480	1	34	88.44	5.38	5.7610	1.44
6F15N95M4Y3H3	28.00	15	480	1	34	93.44	12.38	5.7610	1.44
6F12N120G4S3H3	28.50	12	480	1	34	119.94	12.38	5.7610	1.44
6F12N120M4Y3H3	31.00	12	480	1	37	119.94	12.38	5.7610	1.44
6F15N106M4Y3H3	31.50	15	480	1	38	105.94	12.38	5.7610	1.44
6F12N140G4S3H3	33.00	12	480	1	40	139.94	16.38	5.7610	1.44
6F12N140M4Y3H3	35.00	12	480	1	42	139.94	16.38	5.7610	1.44
6F15N120M4Y3H3	39.00	15	480	1	47	119.94	12.38	5.7610	1.44
6F12N160G4S3H3	39.00	12	480	1	47	159.94	16.38	5.7610	1.44
6F12N160M4Y3H3	40.00	12	480	1	48	159.94	16.38	5.7610	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
8F18N13M4Y3H3	4.50	18	480	1	5	12.75	3.19	7.6250	1.63
8F24N13M4Y3H3	6.00	24	480	1	7	12.75	3.19	7.6250	1.63
8F18N18M4Y3H3	6.00	18	480	1	7	17.25	3.19	7.6250	1.63
8F18N20M4Y3H3	7.50	18	480	1	9	19.75	3.19	7.6250	1.63
8F24N18M4Y3H3	8.00	24	480	1	10	17.25	3.19	7.6250	1.63
8F18N25M4Y3H3	9.00	18	480	1	11	24.75	3.19	7.6250	1.63
8F24N20M4Y3H3	10.00	24	480	1	12	19.75	3.19	7.6250	1.63
8F24N25M4Y3H3	12.00	24	480	1	14	24.75	3.19	7.6250	1.63
8F18N33M4Y3H3	12.00	18	480	1	14	32.25	3.19	7.6250	1.63
8F18N44G4S3H3	13.50	18	480	1	16	43.75	10.19	7.6250	1.63
8F18N40M4Y3H3	15.00	18	480	1	18	39.75	3.19	7.6250	1.63
8F24N33M4Y3H3	16.00	24	480	1	19	32.25	3.19	7.6250	1.63
8F24N44G4S3H3	18.00	24	480	1	22	43.75	10.19	7.6250	1.63
8F18N48M4Y3H3	18.00	18	480	1	22	47.25	3.19	7.6250	1.63
8F18N56G4S3H3	18.00	18	480	1	22	55.75	10.19	7.6250	1.63
8F24N40M4Y3H3	20.00	24	480	1	24	39.75	3.19	7.6250	1.63
8F18N52M4Y3H3	20.00	18	480	1	24	51.25	5.19	7.6250	1.63
8F18N59M4Y3H3	20.00	18	480	1	24	57.25	12.19	7.6250	1.63
8F18N67G4S3H3	22.50	18	480	1	27	66.75	10.19	7.6250	1.63
8F24N48M4Y3H3	24.00	24	480	1	29	47.25	3.19	7.6250	1.63
8F24N56G4S3H3	24.00	24	480	1	29	55.75	10.19	7.6250	1.63
8F18N64M4Y3H3	25.50	18	480	1	31	63.75	5.19	7.6250	1.63
8F18N73M4Y3H3	25.50	18	480	1	31	71.25	16.19	7.6250	1.63
8F24N52M4Y3H3	26.50	24	480	1	32	51.25	5.19	7.6250	1.63
8F24N59M4Y3H3	26.50	24	480	1	32	57.25	12.19	7.6250	1.63
8F18N80G4S3H3	27.00	18	480	1	32	79.75	12.19	7.6250	1.63

300# Flanged Immersion Heaters - Type IF

8F24N67G4S3H3	30.00	24	480	1	36	66.75	10.19	7.6250	1.63
8F18N77M4Y3H3	30.00	18	480	1	36	76.25	5.19	7.6250	1.63
8F18N88M4Y3H3	33.50	18	480	1	40	88.25	5.19	7.6250	1.63
8F18N95M4Y3H3	33.50	18	480	1	40	93.25	12.19	7.6250	1.63
8F18N100G4S3H3	33.75	18	480	1	41	99.75	12.19	7.6250	1.63
8F24N64M4Y3H3	34.00	24	480	1	41	63.75	5.19	7.6250	1.63
8F24N73M4Y3H3	34.00	24	480	1	41	71.25	16.19	7.6250	1.63
8F24N80G4S3H3	36.00	24	480	1	43	79.75	12.19	7.6250	1.63
8F18N106M4Y3H3	37.75	18	480	1	45	105.75	12.19	7.6250	1.63
8F24N77M4Y3H3	40.00	24	480	1	48	76.25	5.19	7.6250	1.63
8F24N88M4Y3H3	44.75	24	480	2	54	88.25	5.19	7.6250	1.63
8F24N95M4Y3H3	44.75	24	480	2	54	93.25	12.19	7.6250	1.63
8F24N100G4S3H3	45.00	24	480	2	54	99.75	12.19	7.6250	1.63
8F18N120M4Y3H3	46.75	18	480	2	56	119.75	12.19	7.6250	1.63
8F24N106M4Y3H3	50.25	24	480	2	60	105.75	12.19	7.6250	1.63
8F18N140M4Y3H3	52.50	18	480	2	63	139.75	16.19	7.6250	1.63
8F24N120G4S3H3	57.00	24	480	2	69	119.75	12.19	7.6250	1.63
8F18N160M4Y3H3	60.00	18	480	2	72	159.75	16.19	7.6250	1.63
8F24N120M4Y3H3	62.25	24	480	2	75	119.75	12.19	7.6250	1.63
8F24N140G4S3H3	66.00	24	480	2	79	139.75	16.19	7.6250	1.63
8F24N140M4Y3H3	70.00	24	480	2	84	139.75	16.19	7.6250	1.63
8F24N160G4S3H3	78.00	24	480	2	94	159.75	16.19	7.6250	1.63
8F24N160M4Y3H3	80.00	24	480	2	96	159.75	16.19	7.6250	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
10F30N13M4Y3H3	7.50	30	480	1	9	12.50	2.94	9.7500	1.88
10F36N13M4Y3H3	9.00	36	480	1	11	12.50	2.94	9.7500	1.88
10F30N18M4Y3H3	10.00	30	480	1	12	17.00	2.94	9.7500	1.88
10F36N18M4Y3H3	12.00	36	480	1	14	17.00	2.94	9.7500	1.88
10F30N20M4Y3H3	12.50	30	480	1	15	19.50	2.94	9.7500	1.88
10F36N20M4Y3H3	15.00	36	480	1	18	19.50	2.94	9.7500	1.88
10F30N25M4Y3H3	15.00	30	480	1	18	24.50	2.94	9.7500	1.88
10F36N25M4Y3H3	18.00	36	480	1	22	24.50	2.94	9.7500	1.88
10F30N33M4Y3H3	20.00	30	480	1	24	32.00	2.94	9.7500	1.88
10F30N44G4S3H3	22.50	30	480	1	27	43.50	9.94	9.7500	1.88
10F36N33M4Y3H3	24.00	36	480	1	29	32.00	2.94	9.7500	1.88
10F30N40M4Y3H3	25.00	30	480	1	30	39.50	2.94	9.7500	1.88
10F36N44G4S3H3	27.00	36	480	1	32	43.50	9.94	9.7500	1.88
10F36N40M4Y3H3	30.00	36	480	1	36	39.50	2.94	9.7500	1.88
10F30N48M4Y3H3	30.00	30	480	1	36	47.00	2.94	9.7500	1.88
10F30N56G4S3H3	30.00	30	480	1	36	55.50	9.94	9.7500	1.88
10F30N52M4Y3H3	33.25	30	480	1	40	51.00	4.94	9.7500	1.88
10F30N59M4Y3H3	33.25	30	480	1	40	57.00	11.94	9.7500	1.88
10F36N48M4Y3H3	36.00	36	480	1	43	47.00	2.94	9.7500	1.88
10F36N56G4S3H3	36.00	36	480	1	43	55.50	9.94	9.7500	1.88
10F30N67G4S3H3	37.50	30	480	1	45	66.50	9.94	9.7500	1.88
10F36N52M4Y3H3	40.00	36	480	1	48	51.00	4.94	9.7500	1.88
10F36N59M4Y3H3	40.00	36	480	1	48	57.00	11.94	9.7500	1.88
10F30N64M4Y3H3	42.50	30	480	2	51	63.50	4.94	9.7500	1.88
10F30N73M4Y3H3	42.50	30	480	2	51	71.00	15.94	9.7500	1.88
10F36N67G4S3H3	45.00	36	480	2	54	66.50	9.94	9.7500	1.88
10F30N77M4Y3H3	50.00	30	480	2	60	76.00	4.94	9.7500	1.88
10F36N64M4Y3H3	51.00	36	480	2	61	63.50	4.94	9.7500	1.88

300# Flanged Immersion Heaters - Type IF

10F36N73M4Y3H3	51.00	36	480	2	61	71.00	15.94	9.7500	1.88
10F36N80G4S3H3	54.00	36	480	2	65	79.50	11.94	9.7500	1.88
10F30N88M4Y3H3	56.00	30	480	2	67	88.00	4.94	9.7500	1.88
10F30N95M4Y3H3	56.00	30	480	2	67	93.00	11.94	9.7500	1.88
10F36N77M4Y3H3	60.00	36	480	2	72	76.00	4.94	9.7500	1.88
10F30N106M4Y3H3	63.00	30	480	2	76	105.50	11.94	9.7500	1.88
10F36N88M4Y3H3	67.00	36	480	2	81	88.00	4.94	9.7500	1.88
10F36N95M4Y3H3	67.00	36	480	2	81	93.00	11.94	9.7500	1.88
10F36N100G4S3H3	67.50	36	480	2	81	99.50	11.94	9.7500	1.88
10F36N106M4Y3H3	75.50	36	480	2	91	105.50	11.94	9.7500	1.88
10F30N120M4Y3H3	78.00	30	480	2	94	119.50	11.94	9.7500	1.88
10F36N120G4S3H3	85.50	36	480	3	103	119.50	11.94	9.7500	1.88
10F36N120M4Y3H3	93.50	36	480	3	112	119.50	11.94	9.7500	1.88
10F36N140G4S3H3	99.00	36	480	3	119	139.50	15.94	9.7500	1.88
10F30N160M4Y3H3	100.00	30	480	5	120	159.50	15.94	9.7500	1.88
10F36N140M4Y3H3	105.00	36	480	3	126	139.50	15.94	9.7500	1.88
10F36N160G4S3H3	117.00	36	480	3	141	159.50	15.94	9.7500	1.88
10F36N160M4Y3H3	120.00	36	480	3	144	159.50	15.94	9.7500	1.88

12 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
12F48N44G4S3H3	36.00	48	480	1	43	43.38	9.81	11.7500	2.00
12F48N40M4Y3H3	40.00	48	480	1	48	39.38	2.81	11.7500	2.00
12F48N48M4Y3H3	48.00	48	480	2	58	46.88	2.81	11.7500	2.00
12F48N56G4S3H3	48.00	48	480	2	58	55.38	9.81	11.7500	2.00
12F48N52M4Y3H3	53.25	48	480	2	64	50.88	4.81	11.7500	2.00
12F48N59M4Y3H3	53.25	48	480	2	64	56.88	11.81	11.7500	2.00
12F48N67G4S3H3	60.00	48	480	2	72	66.38	9.81	11.7500	2.00
12F48N64M4Y3H3	68.00	48	480	2	82	63.38	4.81	11.7500	2.00
12F48N73M4Y3H3	68.00	48	480	2	82	70.88	15.81	11.7500	2.00
12F48N80G4S3H3	72.00	48	480	2	87	79.38	11.81	11.7500	2.00
12F48N77M4Y3H3	80.00	48	480	2	96	75.88	4.81	11.7500	2.00
12F54N80G4S3H3	81.00	54	480	3	97	79.38	11.81	11.7500	2.00
12F48N88M4Y3H3	89.50	48	480	4	108	87.88	4.81	11.7500	2.00
12F48N95M4Y3H3	89.50	48	480	4	108	92.88	11.81	11.7500	2.00
12F48N100G4S3H3	90.00	48	480	4	108	99.38	11.81	11.7500	2.00
12F54N88M4Y3H3	100.50	54	480	3	121	87.88	4.81	11.7500	2.00
12F54N95M4Y3H3	100.50	54	480	3	121	92.88	11.81	11.7500	2.00
12F48N106M4Y3H3	100.50	48	480	4	121	105.38	11.81	11.7500	2.00
12F54N100G4S3H3	101.00	54	480	3	121	99.38	11.81	11.7500	2.00
12F54N106M4Y3H3	113.00	54	480	3	136	105.38	11.81	11.7500	2.00
12F48N120G4S3H3	114.00	48	480	4	137	119.38	11.81	11.7500	2.00
12F48N120M4Y3H3	124.50	48	480	4	150	119.38	11.81	11.7500	2.00
12F48N140G4S3H3	132.00	48	480	4	159	139.38	15.81	11.7500	2.00
12F54N120M4Y3H3	140.00	54	480	6	168	119.38	11.81	11.7500	2.00
12F48N140M4Y3H3	140.00	48	480	4	168	139.38	15.81	11.7500	2.00
12F48N160G4S3H3	156.00	48	480	4	188	159.38	15.81	11.7500	2.00
12F54N140M4Y3H3	157.50	54	480	6	189	139.38	15.81	11.7500	2.00
12F48N160M4Y3H3	160.00	48	480	4	192	159.38	15.81	11.7500	2.00
12F54N160M4Y3H3	180.00	54	480	6	217	159.38	15.81	11.7500	2.00

14 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
14F54N80G4S3H3	81.00	54	480	3	97	79.25	11.69	13.0000	2.13

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14F54N88M4Y3H3	100.50	54	480	3	121	87.75	4.69	13.0000	2.13
14F54N95M4Y3H3	100.50	54	480	3	121	92.75	11.69	13.0000	2.13
14F54N100G4S3H3	101.00	54	480	3	121	99.25	11.69	13.0000	2.13
14F72N80G4S3H3	108.00	72	480	3	130	79.25	11.69	13.0000	2.13
14F60N88M4Y3H3	112.00	60	480	4	135	87.75	4.69	13.0000	2.13
14F60N95M4Y3H3	112.00	60	480	4	135	92.75	11.69	13.0000	2.13
14F60N100G4S3H3	112.50	60	480	5	135	99.25	11.69	13.0000	2.13
14F54N106M4Y3H3	113.00	54	480	3	136	105.25	11.69	13.0000	2.13
14F60N106M4Y3H3	126.00	60	480	4	152	105.25	11.69	13.0000	2.13
14F72N88M4Y3H3	134.00	72	480	4	161	87.75	4.69	13.0000	2.13
14F72N95M4Y3H3	134.00	72	480	4	161	92.75	11.69	13.0000	2.13
14F72N100G4S3H3	135.00	72	480	4	162	99.25	11.69	13.0000	2.13
14F54N120M4Y3H3	140.00	54	480	6	168	119.25	11.69	13.0000	2.13
14F60N120G4S3H3	142.50	60	480	5	171	119.25	11.69	13.0000	2.13
14F72N106M4Y3H3	151.00	72	480	4	182	105.25	11.69	13.0000	2.13
14F60N120M4Y3H3	156.00	60	480	4	188	119.25	11.69	13.0000	2.13
14F54N140M4Y3H3	157.50	54	480	6	189	139.25	15.69	13.0000	2.13
14F60N140G4S3H3	165.00	60	480	5	198	139.25	15.69	13.0000	2.13
14F72N120G4S3H3	171.00	72	480	6	206	119.25	11.69	13.0000	2.13
14F60N140M4Y3H3	175.00	60	480	5	210	139.25	15.69	13.0000	2.13
14F54N160M4Y3H3	180.00	54	480	6	217	159.25	15.69	13.0000	2.13
14F72N120M4Y3H3	187.00	72	480	6	225	119.25	11.69	13.0000	2.13
14F60N160G4S3H3	195.00	60	480	5	235	159.25	15.69	13.0000	2.13
14F72N140G4S3H3	198.00	72	480	6	238	139.25	15.69	13.0000	2.13
14F60N160M4Y3H3	200.00	60	480	5	241	159.25	15.69	13.0000	2.13
14F72N140M4Y3H3	210.00	72	480	6	253	139.25	15.69	13.0000	2.13
14F72N160G4S3H3	234.00	72	480	6	281	159.25	15.69	13.0000	2.13
14F72N160M4Y3H3	240.00	72	480	6	289	159.25	15.69	13.0000	2.13

16 Inch Heaters

Part Number	KW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
16F90N80G4S3H3	135.00	90	480	5	162	79.13	11.56	15.0000	2.25
16F96N80G4S3H3	144.00	96	480	4	173	79.13	11.56	15.0000	2.25
16F84N88M4Y3H3	156.50	84	480	4	188	87.63	4.56	15.0000	2.25
16F84N95M4Y3H3	156.50	84	480	4	188	92.63	11.56	15.0000	2.25
16F84N100G4S3H3	157.50	84	480	7	189	99.13	11.56	15.0000	2.25
16F90N88M4Y3H3	168.00	90	480	5	202	87.63	4.56	15.0000	2.25
16F90N95M4Y3H3	168.00	90	480	5	202	92.63	11.56	15.0000	2.25
16F90N100G4S3H3	168.50	90	480	5	203	99.13	11.56	15.0000	2.25
16F84N106M4Y3H3	176.00	84	480	7	212	105.13	11.56	15.0000	2.25
16F96N88M4Y3H3	179.00	96	480	8	215	87.63	4.56	15.0000	2.25
16F96N95M4Y3H3	179.00	96	480	8	215	92.63	11.56	15.0000	2.25
16F96N100G4S3H3	180.00	96	480	8	217	99.13	11.56	15.0000	2.25
16F90N106M4Y3H3	189.00	90	480	5	227	105.13	11.56	15.0000	2.25
16F84N120G4S3H3	199.50	84	480	7	240	119.13	11.56	15.0000	2.25
16F96N106M4Y3H3	201.50	96	480	8	242	105.13	11.56	15.0000	2.25
16F84N120M4Y3H3	218.00	84	480	7	262	119.13	11.56	15.0000	2.25
16F96N120G4S3H3	228.00	96	480	8	274	119.13	11.56	15.0000	2.25
16F84N140G4S3H3	231.00	84	480	7	278	139.13	15.56	15.0000	2.25
16F90N120M4Y3H3	234.00	90	480	10	281	119.13	11.56	15.0000	2.25
16F84N140M4Y3H3	245.00	84	480	7	295	139.13	15.56	15.0000	2.25
16F96N120M4Y3H3	249.50	96	480	8	300	119.13	11.56	15.0000	2.25
16F90N140M4Y3H3	262.50	90	480	10	316	139.13	15.56	15.0000	2.25
16F96N140G4S3H3	264.00	96	480	8	318	139.13	15.56	15.0000	2.25

300# Flanged Immersion Heaters - Type IF

16F84N160G4S3H3	273.00	84	480	7	328	159.13	15.56	15.0000	2.25
16F96N140M4Y3H3	280.00	96	480	8	337	139.13	15.56	15.0000	2.25
16F84N160M4Y3H3	280.00	84	480	7	337	159.13	15.56	15.0000	2.25
16F90N160G4S3H3	292.50	90	480	15	352	159.13	15.56	15.0000	2.25
16F90N160M4Y3H3	300.00	90	480	10	361	159.13	15.56	15.0000	2.25
16F96N160G4S3H3	312.00	96	480	8	375	159.13	15.56	15.0000	2.25
16F96N160M4Y3H3	320.00	96	480	8	385	159.13	15.56	15.0000	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
18F108N88M4Y3H3	201.50	108	480	6	242	87.50	4.44	17.0000	2.38
18F108N95M4Y3H3	201.50	108	480	6	242	92.50	11.44	17.0000	2.38
18F108N100G4S3H3	202.50	108	480	6	244	99.00	11.44	17.0000	2.38
18F108N106M4Y3H3	226.50	108	480	6	272	105.00	11.44	17.0000	2.38
18F108N120G4S3H3	256.50	108	480	9	309	119.00	11.44	17.0000	2.38
18F108N120M4Y3H3	280.50	108	480	9	337	119.00	11.44	17.0000	2.38
18F108N140G4S3H3	297.00	108	480	9	357	139.00	15.44	17.0000	2.38
18F108N140M4Y3H3	315.00	108	480	9	379	139.00	15.44	17.0000	2.38
18F108N160G4S3H3	351.00	108	480	9	422	159.00	15.44	17.0000	2.38
18F108N160M4Y3H3	360.00	108	480	9	433	159.00	15.44	17.0000	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
20F120N88M4Y3H3	224.00	120	480	8	269	87.38	4.31	19.0000	2.50
20F120N95M4Y3H3	224.00	120	480	8	269	92.38	11.31	19.0000	2.50
20F120N100G4S3H3	225.00	120	480	10	271	98.88	11.31	19.0000	2.50
20F126N88M4Y3H3	235.00	126	480	6	283	87.38	4.31	19.0000	2.50
20F126N95M4Y3H3	235.00	126	480	6	283	92.38	11.31	19.0000	2.50
20F126N100G4S3H3	236.00	126	480	7	284	98.88	11.31	19.0000	2.50
20F132N88M4Y3H3	246.00	132	480	11	296	87.38	4.31	19.0000	2.50
20F132N95M4Y3H3	246.00	132	480	11	296	92.38	11.31	19.0000	2.50
20F132N100G4S3H3	247.50	132	480	11	298	98.88	11.31	19.0000	2.50
20F120N106M4Y3H3	252.00	120	480	8	303	104.88	11.31	19.0000	2.50
20F126N106M4Y3H3	264.50	126	480	7	318	104.88	11.31	19.0000	2.50
20F144N88M4Y3H3	268.50	144	480	8	323	87.38	4.31	19.0000	2.50
20F144N95M4Y3H3	268.50	144	480	8	323	92.38	11.31	19.0000	2.50
20F144N100G4S3H3	270.00	144	480	8	325	98.88	11.31	19.0000	2.50
20F132N106M4Y3H3	277.00	132	480	11	333	104.88	11.31	19.0000	2.50
20F120N120G4S3H3	285.00	120	480	10	343	118.88	11.31	19.0000	2.50
20F162N88M4Y3H3	302.00	162	480	9	363	87.38	4.31	19.0000	2.50
20F162N95M4Y3H3	302.00	162	480	9	363	92.38	11.31	19.0000	2.50
20F144N106M4Y3H3	302.00	144	480	8	363	104.88	11.31	19.0000	2.50
20F162N100G4S3H3	303.50	162	480	9	365	98.88	11.31	19.0000	2.50
20F120N120M4Y3H3	312.00	120	480	8	375	118.88	11.31	19.0000	2.50
20F132N120G4S3H3	313.50	132	480	11	377	118.88	11.31	19.0000	2.50
20F126N120M4Y3H3	327.50	126	480	14	394	118.88	11.31	19.0000	2.50
20F120N140G4S3H3	330.00	120	480	10	397	138.88	15.31	19.0000	2.50
20F180N88M4Y3H3	336.00	180	480	10	404	87.38	4.31	19.0000	2.50
20F180N95M4Y3H3	336.00	180	480	10	404	92.38	11.31	19.0000	2.50
20F180N100G4S3H3	337.50	180	480	10	406	98.88	11.31	19.0000	2.50
20F162N106M4Y3H3	340.00	162	480	9	409	104.88	11.31	19.0000	2.50
20F144N120G4S3H3	342.00	144	480	12	411	118.88	11.31	19.0000	2.50
20F132N120M4Y3H3	343.00	132	480	11	413	118.88	11.31	19.0000	2.50
20F120N140M4Y3H3	350.00	120	480	10	421	138.88	15.31	19.0000	2.50

300# Flanged Immersion Heaters - Type IF

20F132N140G4S3H3	363.00	132	480	11	437	138.88	15.31	19.0000	2.50
20F126N140M4Y3H3	367.50	126	480	14	442	138.88	15.31	19.0000	2.50
20F144N120M4Y3H3	374.00	144	480	12	450	118.88	11.31	19.0000	2.50
20F180N106M4Y3H3	378.00	180	480	10	455	104.88	11.31	19.0000	2.50
20F132N140M4Y3H3	385.00	132	480	11	463	138.88	15.31	19.0000	2.50
20F120N160G4S3H3	390.00	120	480	10	469	158.88	15.31	19.0000	2.50
20F144N140G4S3H3	396.00	144	480	12	476	138.88	15.31	19.0000	2.50
20F120N160M4Y3H3	400.00	120	480	10	481	158.88	15.31	19.0000	2.50
20F144N140M4Y3H3	420.00	144	480	12	505	138.88	15.31	19.0000	2.50
20F126N160M4Y3H3	420.00	126	480	14	505	158.88	15.31	19.0000	2.50
20F162N120M4Y3H3	421.00	162	480	18	506	118.88	11.31	19.0000	2.50
20F180N120G4S3H3	427.50	180	480	12	514	118.88	11.31	19.0000	2.50
20F132N160G4S3H3	429.00	132	480	11	516	158.88	15.31	19.0000	2.50
20F132N160M4Y3H3	440.00	132	480	11	529	158.88	15.31	19.0000	2.50
20F180N120M4Y3H3	468.00	180	480	12	563	118.88	11.31	19.0000	2.50
20F144N160G4S3H3	468.00	144	480	12	563	158.88	15.31	19.0000	2.50
20F162N140M4Y3H3	472.50	162	480	18	568	138.88	15.31	19.0000	2.50
20F144N160M4Y3H3	480.00	144	480	12	577	158.88	15.31	19.0000	2.50
20F180N140G4S3H3	495.00	180	480	15	595	138.88	15.31	19.0000	2.50
20F180N140M4Y3H3	525.00	180	480	15	631	138.88	15.31	19.0000	2.50
20F162N160M4Y3H3	540.00	162	480	18	650	158.88	15.31	19.0000	2.50
20F180N160G4S3H3	585.00	180	480	15	704	158.88	15.31	19.0000	2.50
20F180N160M4Y3H3	600.00	180	480	15	722	158.88	15.31	19.0000	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
24F192N88M4Y3H3	358.00	192	480	16	431	87.13	4.06	23.0000	2.75
24F192N95M4Y3H3	358.00	192	480	16	431	92.13	11.06	23.0000	2.75
24F192N100G4S3H3	360.00	192	480	16	433	98.63	11.06	23.0000	2.75
24F216N88M4Y3H3	403.00	216	480	12	485	87.13	4.06	23.0000	2.75
24F216N95M4Y3H3	403.00	216	480	12	485	92.13	11.06	23.0000	2.75
24F192N106M4Y3H3	403.00	192	480	16	485	104.63	11.06	23.0000	2.75
24F216N100G4S3H3	405.00	216	480	12	487	98.63	11.06	23.0000	2.75
24F234N88M4Y3H3	436.50	234	480	13	525	87.13	4.06	23.0000	2.75
24F234N95M4Y3H3	436.50	234	480	13	525	92.13	11.06	23.0000	2.75
24F234N100G4S3H3	438.50	234	480	13	527	98.63	11.06	23.0000	2.75
24F240N88M4Y3H3	448.00	240	480	16	539	87.13	4.06	23.0000	2.75
24F240N95M4Y3H3	448.00	240	480	16	539	92.13	11.06	23.0000	2.75
24F240N100G4S3H3	450.00	240	480	20	541	98.63	11.06	23.0000	2.75
24F216N106M4Y3H3	453.50	216	480	12	545	104.63	11.06	23.0000	2.75
24F192N120G4S3H3	456.00	192	480	16	548	118.63	11.06	23.0000	2.75
24F234N106M4Y3H3	491.00	234	480	13	591	104.63	11.06	23.0000	2.75
24F192N120M4Y3H3	499.00	192	480	16	600	118.63	11.06	23.0000	2.75
24F240N106M4Y3H3	504.00	240	480	16	606	104.63	11.06	23.0000	2.75
24F216N120G4S3H3	513.00	216	480	18	617	118.63	11.06	23.0000	2.75
24F192N140G4S3H3	528.00	192	480	16	635	138.63	15.06	23.0000	2.75
24F192N140M4Y3H3	560.00	192	480	16	674	138.63	15.06	23.0000	2.75
24F216N120M4Y3H3	562.00	216	480	18	676	118.63	11.06	23.0000	2.75
24F240N120G4S3H3	570.00	240	480	20	686	118.63	11.06	23.0000	2.75
24F216N140G4S3H3	594.00	216	480	18	714	138.63	15.06	23.0000	2.75
24F234N120M4Y3H3	608.00	234	480	26	731	118.63	11.06	23.0000	2.75
24F240N120M4Y3H3	624.00	240	480	16	751	118.63	11.06	23.0000	2.75
24F192N160G4S3H3	624.00	192	480	16	751	158.63	15.06	23.0000	2.75
24F216N140M4Y3H3	630.00	216	480	18	758	138.63	15.06	23.0000	2.75

300# Flanged Immersion Heaters - Type IF

24F192N160M4Y3H3	640.00	192	480	16	770	158.63	15.06	23.0000	2.75
24F240N140G4S3H3	660.00	240	480	20	794	138.63	15.06	23.0000	2.75
24F234N140M4Y3H3	683.00	234	480	26	822	138.63	15.06	23.0000	2.75
24F240N140M4Y3H3	700.00	240	480	20	842	138.63	15.06	23.0000	2.75
24F216N160G4S3H3	702.00	216	480	18	844	158.63	15.06	23.0000	2.75
24F216N160M4Y3H3	720.00	216	480	18	866	158.63	15.06	23.0000	2.75
24F234N160M4Y3H3	780.00	234	480	26	938	158.63	15.06	23.0000	2.75
24F240N160G4S3H3	780.00	240	480	20	938	158.63	15.06	23.0000	2.75
24F240N160M4Y3H3	800.00	240	480	20	962	158.63	15.06	23.0000	2.75

6 Watts/Sq. Inch

4 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
4F6N10M2S3H3	0.75	6	240	1	2	10.13	3.56	3.8260	1.25
4F6N13M1S3H3	1.13	6	120	1	5	13.13	3.56	3.8260	1.25
4F6N13M2S3H3	1.13	6	120	1	5	13.13	3.56	3.8260	1.25
4F6N13M4S3H3	1.13	6	480	1	1	13.13	3.56	3.8260	1.25
4F6N18M4S3H3	1.50	6	480	1	2	17.63	3.56	3.8260	1.25
4F6N18M2S3H3	1.50	6	240	1	4	17.63	3.56	3.8260	1.25
4F6N20M2S3H3	1.88	6	240	1	5	19.63	3.56	3.8260	1.25
4F6N20M4S3H3	1.88	6	480	1	2	20.13	3.56	3.8260	1.25
4F6N25M1S3H3	2.25	6	120	1	11	25.13	3.56	3.8260	1.25
4F6N25M2S3H3	2.25	6	240	1	5	25.13	3.56	3.8260	1.25
4F6N25M4S3H3	2.25	6	480	1	3	25.13	3.56	3.8260	1.25
4F6N33M4S3H3	3.00	6	480	1	4	32.63	3.56	3.8260	1.25
4F6N40M2S3H3	3.75	6	240	1	9	40.13	3.56	3.8260	1.25
4F6N40M4S3H3	3.75	6	480	1	5	40.13	3.56	3.8260	1.25
4F6N48M4S3H3	4.50	6	480	1	5	47.63	3.56	3.8260	1.25
4F6N52M4S3H3	5.00	6	480	1	6	51.63	5.56	3.8260	1.25
4F6N52M2S3H3	5.00	6	240	1	12	51.63	5.56	3.8260	1.25
4F6N59M4S3H3	5.00	6	480	1	6	57.63	12.56	3.8260	1.25
4F6N64M4S3H3	6.38	6	480	1	8	64.13	5.56	3.8260	1.25
4F6N64M2S3H3	6.38	6	240	1	15	64.13	5.56	3.8260	1.25
4F6N73M4S3H3	6.38	6	480	1	8	71.63	16.56	3.8260	1.25
4F6N77M2S3H3	7.50	6	240	1	18	76.63	5.56	3.8260	1.25
4F6N77M4S3H3	7.50	6	480	1	9	76.63	5.56	3.8260	1.25
4F6N88M4S3H3	8.38	6	480	1	10	88.63	5.56	3.8260	1.25
4F6N95M4S3H3	8.38	6	480	1	10	93.63	12.56	3.8260	1.25
4F6N106M4S3H3	9.38	6	480	1	11	106.13	12.56	3.8260	1.25
4F6N120M4S3H3	11.50	6	480	1	14	120.13	12.56	3.8260	1.25
4F6N140M4S3H3	13.00	6	480	1	16	140.13	16.56	3.8260	1.25
4F6N160M4S3H3	15.00	6	480	1	18	160.13	16.56	3.8260	1.25

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
6F12N10M2S3H3	1.50	12	240	1	4	9.94	3.38	5.7610	1.44
6F12N13M4S3H3	2.25	12	480	1	3	12.94	3.38	5.7610	1.44
6F12N18M4S3H3	3.00	12	480	1	4	17.44	3.38	5.7610	1.44
6F12N18M2S3H3	3.00	12	240	1	7	17.44	3.38	5.7610	1.44
6F12N20M2S3H3	3.75	12	240	1	9	19.44	3.38	5.7610	1.44
6F12N20M4S3H3	3.75	12	480	1	5	19.94	3.38	5.7610	1.44
6F12N25M2S3H3	4.50	12	240	1	11	24.94	3.38	5.7610	1.44
6F12N25M4S3H3	4.50	12	480	1	5	24.94	3.38	5.7610	1.44
6F12N33M4S3H3	6.00	12	480	1	7	32.44	3.38	5.7610	1.44

300# Flanged Immersion Heaters - Type IF

6F12N40M4S3H3	7.50	12	480	1	9	39.94	3.38	5.7610	1.44
6F12N40M2S3H3	7.50	12	240	1	18	39.94	3.38	5.7610	1.44
6F12N48M4S3H3	9.00	12	480	1	11	47.44	3.38	5.7610	1.44
6F12N52M2S3H3	10.00	12	240	1	24	51.44	5.38	5.7610	1.44
6F12N52M4S3H3	10.00	12	480	1	12	51.44	5.38	5.7610	1.44
6F12N59M4S3H3	10.00	12	480	1	12	57.44	12.38	5.7610	1.44
6F12N64M2S3H3	12.75	12	240	1	31	63.94	5.38	5.7610	1.44
6F12N64M4S3H3	12.75	12	480	1	15	63.94	5.38	5.7610	1.44
6F12N73M4S3H3	12.75	12	480	1	15	71.44	16.38	5.7610	1.44
6F12N77M4S3H3	15.00	12	480	1	18	76.44	5.38	5.7610	1.44
6F12N77M2S3H3	15.00	12	240	1	36	76.44	5.38	5.7610	1.44
6F12N88M4S3H3	16.75	12	480	1	20	88.44	5.38	5.7610	1.44
6F12N95M4S3H3	16.75	12	480	1	20	93.44	12.38	5.7610	1.44
6F12N106M4S3H3	18.75	12	480	1	23	105.94	12.38	5.7610	1.44
6F12N120M4S3H3	23.25	12	480	1	28	119.94	12.38	5.7610	1.44
6F12N140M4S3H3	26.25	12	480	1	32	139.94	16.38	5.7610	1.44
6F12N160M4S3H3	30.00	12	480	1	36	159.94	16.38	5.7610	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
8F18N13M4S3H3	3.38	18	480	1	4	12.75	3.19	7.6250	1.63
8F24N13M4S3H3	4.50	24	480	1	5	12.75	3.19	7.6250	1.63
8F18N18M4S3H3	4.50	18	480	1	5	17.25	3.19	7.6250	1.63
8F18N20M4S3H3	5.63	18	480	1	7	19.75	3.19	7.6250	1.63
8F24N18M4S3H3	6.00	24	480	1	7	17.25	3.19	7.6250	1.63
8F18N25M4S3H3	6.75	18	480	1	8	24.75	3.19	7.6250	1.63
8F24N20M4S3H3	7.50	24	480	1	9	19.75	3.19	7.6250	1.63
8F24N25M4S3H3	9.00	24	480	1	11	24.75	3.19	7.6250	1.63
8F18N33M4S3H3	9.00	18	480	1	11	32.25	3.19	7.6250	1.63
8F18N40M4S3H3	11.25	18	480	1	14	39.75	3.19	7.6250	1.63
8F24N33M4S3H3	12.00	24	480	1	14	32.25	3.19	7.6250	1.63
8F18N48M4S3H3	13.50	18	480	1	16	47.25	3.19	7.6250	1.63
8F24N40M4S3H3	15.00	24	480	1	18	39.75	3.19	7.6250	1.63
8F18N52M4S3H3	15.00	18	480	1	18	51.25	5.19	7.6250	1.63
8F18N59M4S3H3	15.00	18	480	1	18	57.25	12.19	7.6250	1.63
8F24N48M4S3H3	18.00	24	480	1	22	47.25	3.19	7.6250	1.63
8F18N64M4S3H3	19.00	18	480	1	23	63.75	5.19	7.6250	1.63
8F18N73M4S3H3	19.00	18	480	1	23	71.25	16.19	7.6250	1.63
8F24N52M4S3H3	20.00	24	480	1	24	51.25	5.19	7.6250	1.63
8F24N59M4S3H3	20.00	24	480	1	24	57.25	12.19	7.6250	1.63
8F18N77M4S3H3	22.50	18	480	1	27	76.25	5.19	7.6250	1.63
8F18N88M4S3H3	25.00	18	480	1	30	88.25	5.19	7.6250	1.63
8F18N95M4S3H3	25.00	18	480	1	30	93.25	12.19	7.6250	1.63
8F24N64M4S3H3	25.50	24	480	1	31	63.75	5.19	7.6250	1.63
8F24N73M4S3H3	25.50	24	480	1	31	71.25	16.19	7.6250	1.63
8F18N106M4S3H3	28.25	18	480	1	34	105.75	12.19	7.6250	1.63
8F24N77M4S3H3	30.00	24	480	1	36	76.25	5.19	7.6250	1.63
8F24N88M4S3H3	33.50	24	480	1	40	88.25	5.19	7.6250	1.63
8F24N95M4S3H3	33.50	24	480	1	40	93.25	12.19	7.6250	1.63
8F18N120M4S3H3	35.00	18	480	1	42	119.75	12.19	7.6250	1.63
8F24N106M4S3H3	37.75	24	480	1	45	105.75	12.19	7.6250	1.63
8F18N140M4S3H3	39.25	18	480	1	47	139.75	16.19	7.6250	1.63
8F24N120M4S3H3	46.75	24	480	2	56	119.75	12.19	7.6250	1.63
8F24N140M4S3H3	52.50	24	480	2	63	139.75	16.19	7.6250	1.63

300# Flanged Immersion Heaters - Type IF

8F24N160M4S3H3	60.00	24	480	2	72	159.75	16.19	7.6250	1.63
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10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
10F30N13M4S3H3	5.63	30	480	1	7	12.50	2.94	9.7500	1.88
10F36N13M4S3H3	6.75	36	480	1	8	12.50	2.94	9.7500	1.88
10F30N18M4S3H3	7.50	30	480	1	9	17.00	2.94	9.7500	1.88
10F36N18M4S3H3	9.00	36	480	1	11	17.00	2.94	9.7500	1.88
10F30N20M4S3H3	9.38	30	480	1	11	19.50	2.94	9.7500	1.88
10F36N20M4S3H3	11.25	36	480	1	14	19.50	2.94	9.7500	1.88
10F30N25M4S3H3	11.25	30	480	1	14	24.50	2.94	9.7500	1.88
10F36N25M4S3H3	13.50	36	480	1	16	24.50	2.94	9.7500	1.88
10F30N33M4S3H3	15.00	30	480	1	18	32.00	2.94	9.7500	1.88
10F36N33M4S3H3	18.00	36	480	1	22	32.00	2.94	9.7500	1.88
10F30N40M4S3H3	18.75	30	480	1	23	39.50	2.94	9.7500	1.88
10F36N40M4S3H3	22.50	36	480	1	27	39.50	2.94	9.7500	1.88
10F30N48M4S3H3	22.50	30	480	1	27	47.00	2.94	9.7500	1.88
10F30N52M4S3H3	25.00	30	480	1	30	51.00	4.94	9.7500	1.88
10F30N59M4S3H3	25.00	30	480	1	30	57.00	11.94	9.7500	1.88
10F36N48M4S3H3	27.00	36	480	1	32	47.00	2.94	9.7500	1.88
10F36N52M4S3H3	30.00	36	480	1	36	51.00	4.94	9.7500	1.88
10F36N59M4S3H3	30.00	36	480	1	36	57.00	11.94	9.7500	1.88
10F30N64M4S3H3	31.75	30	480	1	38	63.50	4.94	9.7500	1.88
10F30N73M4S3H3	31.75	30	480	1	38	71.00	15.94	9.7500	1.88
10F30N77M4S3H3	37.50	30	480	1	45	76.00	4.94	9.7500	1.88
10F36N64M4S3H3	38.25	36	480	1	46	63.50	4.94	9.7500	1.88
10F36N73M4S3H3	38.25	36	480	1	46	71.00	15.94	9.7500	1.88
10F36N77M4S3H3	45.00	36	480	2	54	76.00	4.94	9.7500	1.88
10F36N88M4S3H3	50.25	36	480	2	60	88.00	4.94	9.7500	1.88
10F36N95M4S3H3	50.25	36	480	2	60	93.00	11.94	9.7500	1.88
10F36N106M4S3H3	56.50	36	480	2	68	105.50	11.94	9.7500	1.88
10F36N120M4S3H3	70.00	36	480	2	84	119.50	11.94	9.7500	1.88
10F36N140M4S3H3	78.75	36	480	2	95	139.50	15.94	9.7500	1.88
10F36N160M4S3H3	90.00	36	480	3	108	159.50	15.94	9.7500	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
12F48N40M4S3H3	30.00	48	480	1	36	39.38	2.81	11.7500	2.00
12F48N48M4S3H3	36.00	48	480	1	43	46.88	2.81	11.7500	2.00
12F48N52M4S3H3	40.00	48	480	1	48	50.88	4.81	11.7500	2.00
12F48N59M4S3H3	40.00	48	480	1	48	56.88	11.81	11.7500	2.00
12F48N64M4S3H3	51.00	48	480	2	61	63.38	4.81	11.7500	2.00
12F48N73M4S3H3	51.00	48	480	2	61	70.88	15.81	11.7500	2.00
12F48N77M4S3H3	60.00	48	480	2	72	75.88	4.81	11.7500	2.00
12F48N88M4S3H3	67.00	48	480	2	81	87.88	4.81	11.7500	2.00
12F48N95M4S3H3	67.00	48	480	2	81	92.88	11.81	11.7500	2.00
12F54N88M4S3H3	75.50	54	480	3	91	87.88	4.81	11.7500	2.00
12F54N95M4S3H3	75.50	54	480	3	91	92.88	11.81	11.7500	2.00
12F48N106M4S3H3	75.50	48	480	2	91	105.38	11.81	11.7500	2.00
12F54N106M4S3H3	85.00	54	480	3	102	105.38	11.81	11.7500	2.00
12F48N120M4S3H3	93.50	48	480	4	112	119.38	11.81	11.7500	2.00
12F54N120M4S3H3	105.00	54	480	3	126	119.38	11.81	11.7500	2.00
12F48N140M4S3H3	105.00	48	480	4	126	139.38	15.81	11.7500	2.00
12F54N140M4S3H3	118.00	54	480	3	142	139.38	15.81	11.7500	2.00

300# Flanged Immersion Heaters - Type IF

12F48N160M4S3H3	120.00	48	480	4	144	159.38	15.81	11.7500	2.00
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14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
14F54N88M4S3H3	75.50	54	480	3	91	87.75	4.69	13.0000	2.13
14F54N95M4S3H3	75.50	54	480	3	91	92.75	11.69	13.0000	2.13
14F54N106M4S3H3	85.00	54	480	3	102	105.25	11.69	13.0000	2.13
14F72N88M4S3H3	100.50	72	480	3	121	87.75	4.69	13.0000	2.13
14F72N95M4S3H3	100.50	72	480	3	121	92.75	11.69	13.0000	2.13
14F54N120M4S3H3	105.00	54	480	3	126	119.25	11.69	13.0000	2.13
14F72N106M4S3H3	113.00	72	480	3	136	105.25	11.69	13.0000	2.13
14F60N120M4S3H3	117.00	60	480	5	141	119.25	11.69	13.0000	2.13
14F54N140M4S3H3	118.00	54	480	3	142	139.25	15.69	13.0000	2.13
14F60N140M4S3H3	131.00	60	480	5	158	139.25	15.69	13.0000	2.13
14F72N120M4S3H3	140.00	72	480	4	168	119.25	11.69	13.0000	2.13
14F60N160M4S3H3	150.00	60	480	5	180	159.25	15.69	13.0000	2.13
14F72N140M4S3H3	157.50	72	480	4	189	139.25	15.69	13.0000	2.13
14F72N160M4S3H3	180.00	72	480	6	217	159.25	15.69	13.0000	2.13

16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
16F90N88M4S3H3	126.00	90	480	5	152	87.63	4.56	15.0000	2.25
16F90N95M4S3H3	126.00	90	480	5	152	92.63	11.56	15.0000	2.25
16F96N88M4S3H3	134.00	96	480	4	161	87.63	4.56	15.0000	2.25
16F96N95M4S3H3	134.00	96	480	4	161	92.63	11.56	15.0000	2.25
16F90N106M4S3H3	141.50	90	480	5	170	105.13	11.56	15.0000	2.25
16F96N106M4S3H3	151.00	96	480	4	182	105.13	11.56	15.0000	2.25
16F84N120M4S3H3	163.50	84	480	7	197	119.13	11.56	15.0000	2.25
16F90N120M4S3H3	175.50	90	480	5	211	119.13	11.56	15.0000	2.25
16F84N140M4S3H3	183.50	84	480	7	221	139.13	15.56	15.0000	2.25
16F96N120M4S3H3	187.00	96	480	8	225	119.13	11.56	15.0000	2.25
16F90N140M4S3H3	196.50	90	480	5	236	139.13	15.56	15.0000	2.25
16F96N140M4S3H3	210.00	96	480	8	253	139.13	15.56	15.0000	2.25
16F84N160M4S3H3	210.00	84	480	7	253	159.13	15.56	15.0000	2.25
16F96N160M4S3H3	240.00	96	480	8	289	159.13	15.56	15.0000	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
18F108N88M4S3H3	151.00	108	480	6	182	87.50	4.44	17.0000	2.38
18F108N95M4S3H3	151.00	108	480	6	182	92.50	11.44	17.0000	2.38
18F108N106M4S3H3	170.00	108	480	6	204	105.00	11.44	17.0000	2.38
18F108N120M4S3H3	210.50	108	480	6	253	119.00	11.44	17.0000	2.38
18F108N140M4S3H3	236.00	108	480	6	284	139.00	15.44	17.0000	2.38
18F108N160M4S3H3	270.00	108	480	9	325	159.00	15.44	17.0000	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
20F120N88M4S3H3	168.00	120	480	5	202	87.38	4.31	19.0000	2.50
20F120N95M4S3H3	168.00	120	480	5	202	92.38	11.31	19.0000	2.50
20F126N88M4S3H3	176.00	126	480	7	212	87.38	4.31	19.0000	2.50
20F126N95M4S3H3	176.00	126	480	7	212	92.38	11.31	19.0000	2.50
20F120N106M4S3H3	189.00	120	480	5	227	104.88	11.31	19.0000	2.50
20F126N106M4S3H3	198.00	126	480	7	238	104.88	11.31	19.0000	2.50

300# Flanged Immersion Heaters - Type IF

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
4F6N18B4Z3H3	1.25	6	480	1	2	17.63	3.56	3.8260	1.25
4F6N20B4Z3H3	1.38	6	480	1	2	19.63	3.56	3.8260	1.25
4F6N25B4Z3H3	1.88	6	480	1	2	25.13	3.56	3.8260	1.25
4F6N25B2Z3H3	1.88	6	240	1	5	25.13	3.56	3.8260	1.25
4F6N33B4Z3H3	2.50	6	480	1	3	32.63	3.56	3.8260	1.25
4F6N33B2Z3H3	2.50	6	240	1	6	32.63	3.56	3.8260	1.25
4F6N38B4Z3H3	3.00	6	480	1	4	38.13	5.56	3.8260	1.25
4F6N36B4Z3H3	3.13	6	480	1	4	35.63	3.56	3.8260	1.25
4F6N43B4Z3H3	3.25	6	480	1	4	42.63	5.56	3.8260	1.25
4F6N52B4Z3H3	4.13	6	480	1	5	51.63	5.56	3.8260	1.25
4F6N52B2Z3H3	4.13	6	240	1	10	51.63	5.56	3.8260	1.25
4F6N57B4Z3H3	4.13	6	480	1	5	56.63	10.56	3.8260	1.25
4F6N61B4Z3H3	5.00	6	480	1	6	61.13	5.56	3.8260	1.25
4F6N68B4Z3H3	5.00	6	480	1	6	68.13	12.56	3.8260	1.25
4F6N88B4Z3H3	7.38	6	480	1	9	88.63	5.56	3.8260	1.25
4F6N106B4Z3H3	8.25	6	480	1	10	106.13	12.56	3.8260	1.25
4F6N120B4Z3H3	9.50	6	480	1	11	120.13	12.56	3.8260	1.25

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
6F12N18B4Z3H3	2.50	12	480	1	3	17.44	3.38	5.7610	1.44
6F12N20B4Z3H3	2.88	12	480	1	3	19.44	3.38	5.7610	1.44
6F12N25B4Z3H3	3.75	12	480	1	5	24.94	3.38	5.7610	1.44
6F12N25B2Z3H3	3.75	12	240	1	9	24.94	3.38	5.7610	1.44
6F12N33B2Z3H3	5.00	12	240	1	12	32.44	3.38	5.7610	1.44
6F12N33B4Z3H3	5.00	12	480	1	6	32.44	3.38	5.7610	1.44
6F12N38B4Z3H3	6.00	12	480	1	7	37.94	5.38	5.7610	1.44
6F12N36B4Z3H3	6.38	12	480	1	8	35.44	3.38	5.7610	1.44
6F12N43B4Z3H3	6.63	12	480	1	8	42.44	5.38	5.7610	1.44
6F12N52B4Z3H3	8.25	12	480	1	10	51.44	5.38	5.7610	1.44
6F12N52B2Z3H3	8.25	12	240	1	20	51.44	5.38	5.7610	1.44
6F12N57B4Z3H3	8.25	12	480	1	10	56.44	10.38	5.7610	1.44
6F12N61B4Z3H3	10.00	12	480	1	12	60.94	5.38	5.7610	1.44
6F12N68B4Z3H3	10.00	12	480	1	12	67.94	12.38	5.7610	1.44
6F12N88B4Z3H3	14.75	12	480	1	18	88.44	5.38	5.7610	1.44
6F12N106B4Z3H3	16.50	12	480	1	20	105.94	12.38	5.7610	1.44
6F12N120B4Z3H3	19.00	12	480	1	23	119.94	12.38	5.7610	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
8F18N18B4Z3H3	3.75	18	480	1	5	17.25	3.19	7.6250	1.63
8F18N20B4Z3H3	4.25	18	480	1	5	19.25	3.19	7.6250	1.63
8F24N18B4Z3H3	5.00	24	480	1	6	17.25	3.19	7.6250	1.63
8F24N20B4Z3H3	5.75	24	480	1	7	19.25	3.19	7.6250	1.63
8F18N25B4Z3H3	5.75	18	480	1	7	24.75	3.19	7.6250	1.63
8F18N33B4Z3H3	7.50	18	480	1	9	32.25	3.19	7.6250	1.63
8F24N25B4Z3H3	7.63	24	480	1	9	24.75	3.19	7.6250	1.63
8F18N38B4Z3H3	9.00	18	480	1	11	37.75	5.19	7.6250	1.63
8F18N36B4Z3H3	9.63	18	480	1	12	35.25	3.19	7.6250	1.63
8F24N33B4Z3H3	10.00	24	480	1	12	32.25	3.19	7.6250	1.63
8F18N43B4Z3H3	10.00	18	480	1	12	42.25	5.19	7.6250	1.63
8F24N38B4Z3H3	12.00	24	480	1	14	37.75	5.19	7.6250	1.63

300# Flanged Immersion Heaters - Type IF

8F18N52B4Z3H3	12.50	18	480	1	15	51.25	5.19	7.6250	1.63
8F18N57B4Z3H3	12.50	18	480	1	15	56.25	10.19	7.6250	1.63
8F24N36B4Z3H3	12.75	24	480	1	15	35.25	3.19	7.6250	1.63
8F24N43B4Z3H3	13.25	24	480	1	16	42.25	5.19	7.6250	1.63
8F18N61B4Z3H3	15.00	18	480	1	18	60.75	5.19	7.6250	1.63
8F18N68B4Z3H3	15.00	18	480	1	18	67.75	12.19	7.6250	1.63
8F24N52B4Z3H3	16.50	24	480	1	20	51.25	5.19	7.6250	1.63
8F24N57B4Z3H3	16.50	24	480	1	20	56.25	10.19	7.6250	1.63
8F24N61B4Z3H3	20.00	24	480	1	24	60.75	5.19	7.6250	1.63
8F24N68B4Z3H3	20.00	24	480	1	24	67.75	12.19	7.6250	1.63
8F18N88B4Z3H3	22.00	18	480	1	26	88.25	5.19	7.6250	1.63
8F18N106B4Z3H3	25.00	18	480	1	30	105.75	12.19	7.6250	1.63
8F18N120B4Z3H3	28.50	18	480	1	34	119.75	12.19	7.6250	1.63
8F24N88B4Z3H3	29.50	24	480	1	35	88.25	5.19	7.6250	1.63
8F24N106B4Z3H3	33.25	24	480	1	40	105.75	12.19	7.6250	1.63
8F24N120B4Z3H3	38.00	24	480	1	46	119.75	12.19	7.6250	1.63

10 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
10F30N18B4Z3H3	6.25	30	480	1	8	17.00	2.94	9.7500	1.88
10F30N20B4Z3H3	7.25	30	480	1	9	19.00	2.94	9.7500	1.88
10F36N18B4Z3H3	7.50	36	480	1	9	17.00	2.94	9.7500	1.88
10F36N20B4Z3H3	8.63	36	480	1	10	19.00	2.94	9.7500	1.88
10F30N25B4Z3H3	9.63	30	480	1	12	24.50	2.94	9.7500	1.88
10F36N25B4Z3H3	11.50	36	480	1	14	24.50	2.94	9.7500	1.88
10F30N33B4Z3H3	12.50	30	480	1	15	32.00	2.94	9.7500	1.88
10F36N33B4Z3H3	15.00	36	480	1	18	32.00	2.94	9.7500	1.88
10F30N38B4Z3H3	15.00	30	480	1	18	37.50	4.94	9.7500	1.88
10F30N36B4Z3H3	16.00	30	480	1	19	35.00	2.94	9.7500	1.88
10F30N43B4Z3H3	16.50	30	480	1	20	42.00	4.94	9.7500	1.88
10F36N38B4Z3H3	18.00	36	480	1	22	37.50	4.94	9.7500	1.88
10F36N36B4Z3H3	19.25	36	480	1	23	35.00	2.94	9.7500	1.88
10F36N43B4Z3H3	20.00	36	480	1	24	42.00	4.94	9.7500	1.88
10F30N52B4Z3H3	20.75	30	480	1	25	51.00	4.94	9.7500	1.88
10F30N57B4Z3H3	20.75	30	480	1	25	56.00	9.94	9.7500	1.88
10F36N52B4Z3H3	25.00	36	480	1	30	51.00	4.94	9.7500	1.88
10F36N57B4Z3H3	25.00	36	480	1	30	56.00	9.94	9.7500	1.88
10F30N61B4Z3H3	25.00	30	480	1	30	60.50	4.94	9.7500	1.88
10F30N68B4Z3H3	25.00	30	480	1	30	67.50	11.94	9.7500	1.88
10F36N61B4Z3H3	30.00	36	480	1	36	60.50	4.94	9.7500	1.88
10F36N68B4Z3H3	30.00	36	480	1	36	67.50	11.94	9.7500	1.88
10F30N88B4Z3H3	37.00	30	480	1	45	88.00	4.94	9.7500	1.88
10F36N88B4Z3H3	44.25	36	480	2	53	88.00	4.94	9.7500	1.88
10F36N106B4Z3H3	50.00	36	480	2	60	105.50	11.94	9.7500	1.88
10F36N120B4Z3H3	57.00	36	480	2	69	119.50	11.94	9.7500	1.88

12 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
12F48N43B4Z3H3	26.50	48	480	1	32	41.88	4.81	11.7500	2.00
12F48N52B4Z3H3	33.25	48	480	1	40	50.88	4.81	11.7500	2.00
12F48N57B4Z3H3	33.25	48	480	1	40	55.88	9.81	11.7500	2.00
12F48N61B4Z3H3	40.00	48	480	1	48	60.38	4.81	11.7500	2.00
12F48N68B4Z3H3	40.00	48	480	1	48	67.38	11.81	11.7500	2.00
12F48N88B4Z3H3	59.00	48	480	2	71	87.88	4.81	11.7500	2.00

300# Flanged Immersion Heaters - Type IF

12F54N88B4Z3H3	66.50	54	480	3	80	87.88	4.81	11.7500	2.00
12F48N106B4Z3H3	66.50	48	480	2	80	105.38	11.81	11.7500	2.00
12F54N106B4Z3H3	75.00	54	480	3	90	105.38	11.81	11.7500	2.00
12F48N120B4Z3H3	76.00	48	480	2	91	119.38	11.81	11.7500	2.00
12F54N120B4Z3H3	85.50	54	480	3	103	119.38	11.81	11.7500	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
14F54N88B4Z3H3	66.50	54	480	3	80	87.75	4.69	13.0000	2.13
14F60N88B4Z3H3	74.00	60	480	2	89	87.75	4.69	13.0000	2.13
14F54N106B4Z3H3	75.00	54	480	3	90	105.25	11.69	13.0000	2.13
14F54N120B4Z3H3	85.50	54	480	3	103	119.25	11.69	13.0000	2.13
14F72N88B4Z3H3	88.75	72	480	3	107	87.75	4.69	13.0000	2.13
14F72N106B4Z3H3	100.00	72	480	3	120	105.25	11.69	13.0000	2.13
14F72N120B4Z3H3	114.00	72	480	3	137	119.25	11.69	13.0000	2.13

16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
16F90N88B4Z3H3	111.00	90	480	3	134	87.63	4.56	15.0000	2.25
16F96N88B4Z3H3	118.00	96	480	4	142	87.63	4.56	15.0000	2.25
16F90N106B4Z3H3	125.00	90	480	5	150	105.13	11.56	15.0000	2.25
16F96N106B4Z3H3	133.00	96	480	4	160	105.13	11.56	15.0000	2.25
16F90N120B4Z3H3	142.50	90	480	5	171	119.13	11.56	15.0000	2.25
16F96N120B4Z3H3	152.00	96	480	4	183	119.13	11.56	15.0000	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
18F108N88B4Z3H3	133.00	108	480	6	160	87.50	4.44	17.0000	2.38
18F108N106B4Z3H3	150.00	108	480	6	180	105.00	11.44	17.0000	2.38
18F108N120B4Z3H3	171.00	108	480	6	206	119.00	11.44	17.0000	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
20F120N88B4Z3H3	148.00	120	480	4	178	87.38	4.31	19.0000	2.50
20F126N88B4Z3H3	155.00	126	480	7	186	87.38	4.31	19.0000	2.50
20F120N106B4Z3H3	166.50	120	480	5	200	104.88	11.31	19.0000	2.50
20F126N106B4Z3H3	175.00	126	480	7	210	104.88	11.31	19.0000	2.50
20F144N88B4Z3H3	177.50	144	480	6	214	87.38	4.31	19.0000	2.50
20F120N120B4Z3H3	190.00	120	480	5	229	118.88	11.31	19.0000	2.50
20F162N88B4Z3H3	199.50	162	480	9	240	87.38	4.31	19.0000	2.50
20F126N120B4Z3H3	199.50	126	480	7	240	118.88	11.31	19.0000	2.50
20F144N106B4Z3H3	200.00	144	480	6	241	104.88	11.31	19.0000	2.50
20F180N88B4Z3H3	222.00	180	480	6	267	87.38	4.31	19.0000	2.50
20F162N106B4Z3H3	225.00	162	480	9	271	104.88	11.31	19.0000	2.50
20F144N120B4Z3H3	228.00	144	480	6	274	118.88	11.31	19.0000	2.50
20F180N106B4Z3H3	250.00	180	480	10	301	104.88	11.31	19.0000	2.50
20F162N120B4Z3H3	256.50	162	480	9	309	118.88	11.31	19.0000	2.50
20F180N120B4Z3H3	285.00	180	480	10	343	118.88	11.31	19.0000	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
24F192N88B4Z3H3	236.50	192	480	8	284	87.13	4.06	23.0000	2.75
24F216N88B4Z3H3	266.00	216	480	9	320	87.13	4.06	23.0000	2.75

300# Flanged Immersion Heaters - Type IF

24F192N106B4Z3H3	266.50	192	480	8	321	104.63	11.06	23.0000	2.75
24F234N88B4Z3H3	288.50	234	480	13	347	87.13	4.06	23.0000	2.75
24F240N88B4Z3H3	296.00	240	480	8	356	87.13	4.06	23.0000	2.75
24F216N106B4Z3H3	300.00	216	480	9	361	104.63	11.06	23.0000	2.75
24F192N120B4Z3H3	304.00	192	480	8	366	118.63	11.06	23.0000	2.75
24F234N106B4Z3H3	325.00	234	480	13	391	104.63	11.06	23.0000	2.75
24F240N106B4Z3H3	333.00	240	480	10	401	104.63	11.06	23.0000	2.75
24F216N120B4Z3H3	342.00	216	480	12	411	118.63	11.06	23.0000	2.75
24F234N120B4Z3H3	370.50	234	480	13	446	118.63	11.06	23.0000	2.75
24F240N120B4Z3H3	380.00	240	480	10	457	118.63	11.06	23.0000	2.75

4 Watts/Sq. Inch

4 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
4F6N10H4Z3H3	0.50	6	480	1	1	10.13	3.56	3.8260	1.25
4F6N18H2Z3H3	1.00	6	240	1	2	17.63	3.56	3.8260	1.25
4F6N18H4Z3H3	1.00	6	480	1	1	17.63	3.56	3.8260	1.25
4F6N20H4Z3H3	1.25	6	480	1	2	19.63	3.56	3.8260	1.25
4F6N20H2Z3H3	1.25	6	240	1	3	19.63	3.56	3.8260	1.25
4F6N25H2Z3H3	1.50	6	240	1	4	25.13	3.56	3.8260	1.25
4F6N25H4Z3H3	1.50	6	480	1	2	25.13	3.56	3.8260	1.25
4F6N33H4Z3H3	2.00	6	480	1	2	32.63	3.56	3.8260	1.25
4F6N33H2Z3H3	2.00	6	240	1	5	32.63	3.56	3.8260	1.25
4F6N40H2Z3H3	2.50	6	240	1	6	40.13	3.56	3.8260	1.25
4F6N40H4Z3H3	2.50	6	480	1	3	40.13	3.56	3.8260	1.25
4F6N48H4Z3H3	3.00	6	480	1	4	47.63	3.56	3.8260	1.25
4F6N52H4Z3H3	3.00	6	480	1	4	51.63	5.56	3.8260	1.25
4F6N61H4Z3H3	4.13	6	480	1	5	61.13	5.56	3.8260	1.25
4F6N68H4Z3H3	4.13	6	480	1	5	68.13	12.56	3.8260	1.25
4F6N80H4Z3H3	5.50	6	480	1	7	78.63	10.56	3.8260	1.25
4F6N88H4Z3H3	6.25	6	480	1	8	88.63	5.56	3.8260	1.25
4F6N95H4Z3H3	6.25	6	480	1	8	95.63	12.56	3.8260	1.25
4F6N120H4Z3H3	7.50	6	480	1	9	120.13	14.06	3.8260	1.25
4F6N140H4Z3H3	8.75	6	480	1	11	140.13	16.56	3.8260	1.25
4F6N160H4Z3H3	10.00	6	480	1	12	160.13	16.56	3.8260	1.25

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
6F12N10H4Z3H3	1.00	12	480	1	1	9.94	3.38	5.7610	1.44
6F12N18H4Z3H3	2.00	12	480	1	2	17.44	3.38	5.7610	1.44
6F12N18H2Z3H3	2.00	12	240	1	5	17.44	3.38	5.7610	1.44
6F12N20H2Z3H3	2.50	12	240	1	6	19.44	3.38	5.7610	1.44
6F12N20H4Z3H3	2.50	12	480	1	3	19.44	3.38	5.7610	1.44
6F12N25H2Z3H3	3.00	12	240	1	7	24.94	3.38	5.7610	1.44
6F12N25H4Z3H3	3.00	12	480	1	4	24.94	3.38	5.7610	1.44
6F12N33H2Z3H3	4.00	12	240	1	10	32.44	3.38	5.7610	1.44
6F12N33H4Z3H3	4.00	12	480	1	5	32.44	3.38	5.7610	1.44
6F12N40H2Z3H3	5.00	12	240	1	12	39.94	3.38	5.7610	1.44
6F12N40H4Z3H3	5.00	12	480	1	6	39.94	3.38	5.7610	1.44
6F12N48H4Z3H3	6.00	12	480	1	7	47.44	3.38	5.7610	1.44
6F12N52H4Z3H3	6.00	12	480	1	7	51.44	5.38	5.7610	1.44
6F12N61H4Z3H3	8.25	12	480	1	10	60.94	5.38	5.7610	1.44
6F12N68H4Z3H3	8.25	12	480	1	10	67.94	12.38	5.7610	1.44
6F12N80H4Z3H3	11.00	12	480	1	13	78.44	10.38	5.7610	1.44

300# Flanged Immersion Heaters - Type IF

6F12N88H4Z3H3	12.50	12	480	1	15	88.44	5.38	5.7610	1.44
6F12N95H4Z3H3	12.50	12	480	1	15	95.44	12.38	5.7610	1.44
6F12N120H4Z3H3	15.00	12	480	1	18	119.94	13.88	5.7610	1.44
6F12N140H4Z3H3	17.50	12	480	1	21	139.94	16.38	5.7610	1.44
6F12N160H4Z3H3	20.00	12	480	1	24	159.94	16.38	5.7610	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
8F18N10H4Z3H3	1.50	18	480	1	2	9.75	3.19	7.6250	1.63
8F24N10H4Z3H3	2.00	24	480	1	2	9.75	3.19	7.6250	1.63
8F18N18H4Z3H3	3.00	18	480	1	4	17.25	3.19	7.6250	1.63
8F18N20H4Z3H3	3.75	18	480	1	5	19.25	3.19	7.6250	1.63
8F24N18H4Z3H3	4.00	24	480	1	5	17.25	3.19	7.6250	1.63
8F18N25H4Z3H3	4.50	18	480	1	5	24.75	3.19	7.6250	1.63
8F24N20H4Z3H3	5.00	24	480	1	6	19.25	3.19	7.6250	1.63
8F24N25H4Z3H3	6.00	24	480	1	7	24.75	3.19	7.6250	1.63
8F18N33H4Z3H3	6.00	18	480	1	7	32.25	3.19	7.6250	1.63
8F18N40H4Z3H3	7.50	18	480	1	9	39.75	3.19	7.6250	1.63
8F24N33H4Z3H3	8.00	24	480	1	10	32.25	3.19	7.6250	1.63
8F18N48H4Z3H3	9.00	18	480	1	11	47.25	3.19	7.6250	1.63
8F18N52H4Z3H3	9.00	18	480	1	11	51.25	5.19	7.6250	1.63
8F24N40H4Z3H3	10.00	24	480	1	12	39.75	3.19	7.6250	1.63
8F24N48H4Z3H3	12.00	24	480	1	14	47.25	3.19	7.6250	1.63
8F24N52H4Z3H3	12.00	24	480	1	14	51.25	5.19	7.6250	1.63
8F18N61H4Z3H3	12.50	18	480	1	15	60.75	5.19	7.6250	1.63
8F18N68H4Z3H3	12.50	18	480	1	15	67.75	12.19	7.6250	1.63
8F24N61H4Z3H3	16.50	24	480	1	20	60.75	5.19	7.6250	1.63
8F24N68H4Z3H3	16.50	24	480	1	20	67.75	12.19	7.6250	1.63
8F18N80H4Z3H3	16.50	18	480	1	20	78.25	10.19	7.6250	1.63
8F18N88H4Z3H3	18.75	18	480	1	23	88.25	5.19	7.6250	1.63
8F18N95H4Z3H3	18.75	18	480	1	23	95.25	12.19	7.6250	1.63
8F24N80H4Z3H3	22.00	24	480	1	26	78.25	10.19	7.6250	1.63
8F18N120H4Z3H3	22.50	18	480	1	27	119.75	13.69	7.6250	1.63
8F24N88H4Z3H3	25.00	24	480	1	30	88.25	5.19	7.6250	1.63
8F24N95H4Z3H3	25.00	24	480	1	30	95.25	12.19	7.6250	1.63
8F18N140H4Z3H3	26.25	18	480	1	32	139.75	16.19	7.6250	1.63
8F24N120H4Z3H3	30.00	24	480	1	36	119.75	13.69	7.6250	1.63
8F18N160H4Z3H3	30.00	18	480	1	36	159.75	16.19	7.6250	1.63
8F24N140H4Z3H3	35.00	24	480	1	42	139.75	16.19	7.6250	1.63
8F24N160H4Z3H3	40.00	24	480	1	48	159.75	16.19	7.6250	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
10F30N10H4Z3H3	2.50	30	480	1	3	9.50	2.94	9.7500	1.88
10F36N10H4Z3H3	3.00	36	480	1	4	9.50	2.94	9.7500	1.88
10F30N18H4Z3H3	5.00	30	480	1	6	17.00	2.94	9.7500	1.88
10F36N18H4Z3H3	6.00	36	480	1	7	17.00	2.94	9.7500	1.88
10F30N20H4Z3H3	6.25	30	480	1	8	19.00	2.94	9.7500	1.88
10F36N20H4Z3H3	7.50	36	480	1	9	19.00	2.94	9.7500	1.88
10F30N25H4Z3H3	7.50	30	480	1	9	24.50	2.94	9.7500	1.88
10F36N25H4Z3H3	9.00	36	480	1	11	24.50	2.94	9.7500	1.88
10F30N33H4Z3H3	10.00	30	480	1	12	32.00	2.94	9.7500	1.88
10F36N33H4Z3H3	12.00	36	480	1	14	32.00	2.94	9.7500	1.88
10F30N40H4Z3H3	12.50	30	480	1	15	39.50	2.94	9.7500	1.88

300# Flanged Immersion Heaters - Type IF

10F36N40H4Z3H3	15.00	36	480	1	18	39.50	2.94	9.7500	1.88
10F30N48H4Z3H3	15.00	30	480	1	18	47.00	2.94	9.7500	1.88
10F30N52H4Z3H3	15.00	30	480	1	18	51.00	4.94	9.7500	1.88
10F36N48H4Z3H3	18.00	36	480	1	22	47.00	2.94	9.7500	1.88
10F36N52H4Z3H3	18.00	36	480	1	22	51.00	4.94	9.7500	1.88
10F30N61H4Z3H3	20.75	30	480	1	25	60.50	4.94	9.7500	1.88
10F30N68H4Z3H3	20.75	30	480	1	25	67.50	11.94	9.7500	1.88
10F36N61H4Z3H3	25.00	36	480	1	30	60.50	4.94	9.7500	1.88
10F36N68H4Z3H3	25.00	36	480	1	30	67.50	11.94	9.7500	1.88
10F30N80H4Z3H3	27.75	30	480	1	33	78.00	9.94	9.7500	1.88
10F30N88H4Z3H3	31.25	30	480	1	38	88.00	4.94	9.7500	1.88
10F30N95H4Z3H3	31.25	30	480	1	38	95.00	11.94	9.7500	1.88
10F36N80H4Z3H3	33.25	36	480	1	40	78.00	9.94	9.7500	1.88
10F36N88H4Z3H3	37.50	36	480	1	45	88.00	4.94	9.7500	1.88
10F36N95H4Z3H3	37.50	36	480	1	45	95.00	11.94	9.7500	1.88
10F30N120H4Z3H3	37.50	30	480	1	45	119.50	13.44	9.7500	1.88
10F36N120H4Z3H3	45.00	36	480	2	54	119.50	13.44	9.7500	1.88
10F36N140H4Z3H3	52.50	36	480	2	63	139.50	15.94	9.7500	1.88
10F36N160H4Z3H3	60.00	36	480	2	72	159.50	15.94	9.7500	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
12F48N40H4Z3H3	20.00	48	480	1	24	39.38	2.81	11.7500	2.00
12F48N48H4Z3H3	24.00	48	480	1	29	46.88	2.81	11.7500	2.00
12F48N52H4Z3H3	24.00	48	480	1	29	50.88	4.81	11.7500	2.00
12F48N61H4Z3H3	33.25	48	480	1	40	60.38	4.81	11.7500	2.00
12F48N68H4Z3H3	33.25	48	480	1	40	67.38	11.81	11.7500	2.00
12F48N80H4Z3H3	44.25	48	480	2	53	77.88	9.81	11.7500	2.00
12F48N88H4Z3H3	50.00	48	480	2	60	87.88	4.81	11.7500	2.00
12F48N95H4Z3H3	50.00	48	480	2	60	94.88	11.81	11.7500	2.00
12F48N120H4Z3H3	60.00	48	480	2	72	119.38	13.31	11.7500	2.00
12F54N120H4Z3H3	67.50	54	480	3	81	119.38	13.31	11.7500	2.00
12F48N140H4Z3H3	70.00	48	480	2	84	139.38	15.81	11.7500	2.00
12F54N140H4Z3H3	78.75	54	480	3	95	139.38	15.81	11.7500	2.00
12F48N160H4Z3H3	80.00	48	480	2	96	159.38	15.81	11.7500	2.00
12F54N160H4Z3H3	90.00	54	480	3	108	159.38	15.81	11.7500	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
14F60N80H4Z3H3	55.50	60	480	2	67	77.75	9.69	13.0000	2.13
14F60N88H4Z3H3	62.50	60	480	2	75	87.75	4.69	13.0000	2.13
14F60N95H4Z3H3	62.50	60	480	2	75	94.75	11.69	13.0000	2.13
14F72N80H4Z3H3	66.50	72	480	2	80	77.75	9.69	13.0000	2.13
14F54N120H4Z3H3	67.50	54	480	3	81	119.25	13.19	13.0000	2.13
14F72N88H4Z3H3	75.00	72	480	2	90	87.75	4.69	13.0000	2.13
14F72N95H4Z3H3	75.00	72	480	2	90	94.75	11.69	13.0000	2.13
14F60N120H4Z3H3	75.00	60	480	2	90	119.25	13.19	13.0000	2.13
14F54N140H4Z3H3	78.75	54	480	3	95	139.25	15.69	13.0000	2.13
14F72N120H4Z3H3	90.00	72	480	3	108	119.25	13.19	13.0000	2.13
14F54N160H4Z3H3	90.00	54	480	3	108	159.25	15.69	13.0000	2.13
14F60N160H4Z3H3	100.00	60	480	5	120	159.25	15.69	13.0000	2.13
14F72N140H4Z3H3	105.00	72	480	3	126	139.25	15.69	13.0000	2.13
14F72N160H4Z3H3	120.00	72	480	3	144	159.25	15.69	13.0000	2.13

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16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
16F84N80H4Z3H3	77.50	84	480	2	93	77.63	9.56	15.0000	2.25
16F90N80H4Z3H3	83.25	90	480	3	100	77.63	9.56	15.0000	2.25
16F96N80H4Z3H3	88.75	96	480	4	107	77.63	9.56	15.0000	2.25
16F90N88H4Z3H3	93.75	90	480	3	113	87.63	4.56	15.0000	2.25
16F90N95H4Z3H3	93.75	90	480	3	113	94.63	11.56	15.0000	2.25
16F96N88H4Z3H3	100.00	96	480	4	120	87.63	4.56	15.0000	2.25
16F96N95H4Z3H3	100.00	96	480	4	120	94.63	11.56	15.0000	2.25
16F90N120H4Z3H3	112.50	90	480	3	135	119.13	13.06	15.0000	2.25
16F96N120H4Z3H3	120.00	96	480	4	144	119.13	13.06	15.0000	2.25
16F90N140H4Z3H3	131.00	90	480	5	158	139.13	15.56	15.0000	2.25
16F96N140H4Z3H3	140.00	96	480	4	168	139.13	15.56	15.0000	2.25
16F84N160H4Z3H3	140.00	84	480	7	168	159.13	15.56	15.0000	2.25
16F90N160H4Z3H3	150.00	90	480	5	180	159.13	15.56	15.0000	2.25
16F96N160H4Z3H3	160.00	96	480	4	192	159.13	15.56	15.0000	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
18F108N88H4Z3H3	112.50	108	480	3	135	87.50	4.44	17.0000	2.38
18F108N95H4Z3H3	112.50	108	480	3	135	94.50	11.44	17.0000	2.38
18F108N120H4Z3H3	135.00	108	480	6	162	119.00	12.94	17.0000	2.38
18F108N140H4Z3H3	157.50	108	480	6	189	139.00	15.44	17.0000	2.38
18F108N160H4Z3H3	180.00	108	480	6	217	159.00	15.44	17.0000	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
20F120N88H4Z3H3	125.00	120	480	4	150	87.38	4.31	19.0000	2.50
20F120N95H4Z3H3	125.00	120	480	4	150	94.38	11.31	19.0000	2.50
20F144N88H4Z3H3	150.00	144	480	4	180	87.38	4.31	19.0000	2.50
20F144N95H4Z3H3	150.00	144	480	4	180	94.38	11.31	19.0000	2.50
20F120N120H4Z3H3	150.00	120	480	4	180	118.88	12.81	19.0000	2.50
20F126N120H4Z3H3	157.50	126	480	7	189	118.88	12.81	19.0000	2.50
20F120N140H4Z3H3	175.00	120	480	5	210	138.88	15.31	19.0000	2.50
20F144N120H4Z3H3	180.00	144	480	6	217	118.88	12.81	19.0000	2.50
20F126N140H4Z3H3	183.50	126	480	7	221	138.88	15.31	19.0000	2.50
20F180N88H4Z3H3	187.50	180	480	5	226	87.38	4.31	19.0000	2.50
20F180N95H4Z3H3	187.50	180	480	5	226	94.38	11.31	19.0000	2.50
20F120N160H4Z3H3	200.00	120	480	5	241	158.88	15.31	19.0000	2.50
20F162N120H4Z3H3	202.50	162	480	9	244	118.88	12.81	19.0000	2.50
20F144N140H4Z3H3	210.00	144	480	6	253	138.88	15.31	19.0000	2.50
20F126N160H4Z3H3	210.00	126	480	7	253	158.88	15.31	19.0000	2.50
20F132N160H4Z3H3	220.00	132	480	11	265	158.88	15.31	19.0000	2.50
20F180N120H4Z3H3	225.00	180	480	6	271	118.88	12.81	19.0000	2.50
20F162N140H4Z3H3	236.00	162	480	9	284	138.88	15.31	19.0000	2.50
20F144N160H4Z3H3	240.00	144	480	6	289	158.88	15.31	19.0000	2.50
20F180N140H4Z3H3	262.50	180	480	10	316	138.88	15.31	19.0000	2.50
20F162N160H4Z3H3	270.00	162	480	9	325	158.88	15.31	19.0000	2.50
20F180N160H4Z3H3	300.00	180	480	10	361	158.88	15.31	19.0000	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
24F192N88H4Z3H3	200.00	192	480	8	241	87.13	4.06	23.0000	2.75

300# Flanged Immersion Heaters - Type IF

24F192N95H4Z3H3	200.00	192	480	8	241	94.13	11.06	23.0000	2.75
24F216N88H4Z3H3	225.00	216	480	6	271	87.13	4.06	23.0000	2.75
24F216N95H4Z3H3	225.00	216	480	6	271	94.13	11.06	23.0000	2.75
24F192N120H4Z3H3	240.00	192	480	8	289	118.63	12.56	23.0000	2.75
24F240N88H4Z3H3	250.00	240	480	8	301	87.13	4.06	23.0000	2.75
24F240N95H4Z3H3	250.00	240	480	8	301	94.13	11.06	23.0000	2.75
24F216N120H4Z3H3	270.00	216	480	9	325	118.63	12.56	23.0000	2.75
24F192N140H4Z3H3	280.00	192	480	8	337	138.63	15.06	23.0000	2.75
24F234N120H4Z3H3	292.50	234	480	13	352	118.63	12.56	23.0000	2.75
24F240N120H4Z3H3	300.00	240	480	8	361	118.63	12.56	23.0000	2.75
24F216N140H4Z3H3	315.00	216	480	9	379	138.63	15.06	23.0000	2.75
24F192N160H4Z3H3	320.00	192	480	8	385	158.63	15.06	23.0000	2.75
24F234N140H4Z3H3	341.00	234	480	13	410	138.63	15.06	23.0000	2.75
24F240N140H4Z3H3	350.00	240	480	10	421	138.63	15.06	23.0000	2.75
24F216N160H4Z3H3	360.00	216	480	12	433	158.63	15.06	23.0000	2.75
24F234N160H4Z3H3	390.00	234	480	13	469	158.63	15.06	23.0000	2.75
24F240N160H4Z3H3	400.00	240	480	10	481	158.63	15.06	23.0000	2.75

3 Watts/Sq. Inch

4 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
4F6N44G4Z3H3	1.50	6	480	1	2	44.13	10.56	3.8260	1.25
4F6N48F4Z3H3	1.63	6	480	1	2	48.13	16.56	3.8260	1.25
4F6N56G4Z3H3	2.00	6	480	1	2	56.13	10.56	3.8260	1.25
4F6N61F4Z3H3	2.50	6	480	1	3	61.13	13.56	3.8260	1.25
4F6N67G4Z3H3	2.50	6	480	1	3	67.13	10.56	3.8260	1.25
4F6N80G4Z3H3	3.00	6	480	1	4	80.13	12.56	3.8260	1.25
4F6N77F4Z3H3	3.25	6	480	1	4	77.13	13.56	3.8260	1.25
4F6N84F4Z3H3	3.25	6	240	1	8	84.13	16.56	3.8260	1.25
4F6N100G4Z3H3	3.75	6	480	1	5	100.13	12.56	3.8260	1.25
4F6N93F4Z3H3	4.13	6	480	1	5	93.13	13.56	3.8260	1.25
4F6N120G4Z3H3	4.75	6	480	1	6	120.13	12.56	3.8260	1.25
4F6N111F4Z3H3	5.00	6	240	1	12	-1.38	16.56	3.8260	1.25
4F6N120F4Z3H3	5.00	6	480	1	6	111.13	16.56	3.8260	1.25
4F6N140G4Z3H3	5.50	6	480	1	7	140.13	16.56	3.8260	1.25
4F6N160G4Z3H3	6.50	6	480	1	8	160.13	16.56	3.8260	1.25
4F6N144F4Z3H3	6.63	6	480	1	8	144.13	16.56	3.8260	1.25

6 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
6F12N44G4Z3H3	3.00	12	480	1	4	43.94	10.38	5.7610	1.44
6F12N48F4Z3H3	3.25	12	480	1	4	47.94	16.38	5.7610	1.44
6F12N56G4Z3H3	4.00	12	480	1	5	55.94	10.38	5.7610	1.44
6F12N61F4Z3H3	5.00	12	480	1	6	60.94	13.38	5.7610	1.44
6F12N67G4Z3H3	5.00	12	480	1	6	66.94	10.38	5.7610	1.44
6F12N80G4Z3H3	6.00	12	480	1	7	79.94	12.38	5.7610	1.44
6F12N77F4Z3H3	6.63	12	480	1	8	76.94	13.38	5.7610	1.44
6F12N84F4Z3H3	6.63	12	240	1	16	83.94	16.38	5.7610	1.44
6F12N100G4Z3H3	7.50	12	480	1	9	99.94	12.38	5.7610	1.44
6F12N93F4Z3H3	8.25	12	480	1	10	92.94	13.38	5.7610	1.44
6F12N120G4Z3H3	9.50	12	480	1	11	119.94	12.38	5.7610	1.44
6F12N111F4Z3H3	10.00	12	240	1	24	-1.56	16.38	5.7610	1.44
6F12N120F4Z3H3	10.00	12	480	1	12	110.94	16.38	5.7610	1.44
6F12N140G4Z3H3	11.00	12	480	1	13	139.94	16.38	5.7610	1.44

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6F12N160G4Z3H3	13.00	12	480	1	16	159.94	16.38	5.7610	1.44
6F12N144F4Z3H3	13.25	12	480	1	16	143.94	16.38	5.7610	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
8F18N44G4Z3H3	4.50	18	480	1	5	43.75	10.19	7.6250	1.63
8F18N48F4Z3H3	4.88	18	480	1	6	47.75	16.19	7.6250	1.63
8F24N44G4Z3H3	6.00	24	480	1	7	43.75	10.19	7.6250	1.63
8F18N56G4Z3H3	6.00	18	480	1	7	55.75	10.19	7.6250	1.63
8F24N48F4Z3H3	6.63	24	480	1	8	47.75	16.19	7.6250	1.63
8F18N61F4Z3H3	7.50	18	480	1	9	60.75	13.19	7.6250	1.63
8F18N67G4Z3H3	7.50	18	480	1	9	66.75	10.19	7.6250	1.63
8F24N56G4Z3H3	8.00	24	480	1	10	55.75	10.19	7.6250	1.63
8F18N80G4Z3H3	9.00	18	480	1	11	79.75	12.19	7.6250	1.63
8F18N77F4Z3H3	9.88	18	480	1	12	76.75	13.19	7.6250	1.63
8F24N61F4Z3H3	10.00	24	480	1	12	60.75	13.19	7.6250	1.63
8F24N67G4Z3H3	10.00	24	480	1	12	66.75	10.19	7.6250	1.63
8F18N100G4Z3H3	11.25	18	480	1	14	99.75	12.19	7.6250	1.63
8F24N80G4Z3H3	12.00	24	480	1	14	79.75	12.19	7.6250	1.63
8F18N93F4Z3H3	12.25	18	480	1	15	92.75	13.19	7.6250	1.63
8F24N77F4Z3H3	13.25	24	480	1	16	76.75	13.19	7.6250	1.63
8F18N120G4Z3H3	14.25	18	480	1	17	119.75	12.19	7.6250	1.63
8F24N100G4Z3H3	15.00	24	480	1	18	99.75	12.19	7.6250	1.63
8F18N120F4Z3H3	15.00	18	480	1	18	110.75	16.19	7.6250	1.63
8F24N93F4Z3H3	16.50	24	480	1	20	92.75	13.19	7.6250	1.63
8F18N140G4Z3H3	16.50	18	480	1	20	139.75	16.19	7.6250	1.63
8F24N120G4Z3H3	19.00	24	480	1	23	119.75	12.19	7.6250	1.63
8F18N160G4Z3H3	19.50	18	480	1	23	159.75	16.19	7.6250	1.63
8F24N120F4Z3H3	20.00	24	480	1	24	110.75	16.19	7.6250	1.63
8F18N144F4Z3H3	20.00	18	480	1	24	143.75	16.19	7.6250	1.63
8F24N140G4Z3H3	22.00	24	480	1	26	139.75	16.19	7.6250	1.63
8F24N160G4Z3H3	26.00	24	480	1	31	159.75	16.19	7.6250	1.63
8F24N144F4Z3H3	26.50	24	480	1	32	143.75	16.19	7.6250	1.63

10 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
10F30N44G4Z3H3	7.50	30	480	1	9	43.50	9.94	9.7500	1.88
10F30N48F4Z3H3	8.25	30	480	1	10	47.50	15.94	9.7500	1.88
10F36N44G4Z3H3	9.00	36	480	1	11	43.50	9.94	9.7500	1.88
10F36N48F4Z3H3	9.88	36	480	1	12	47.50	15.94	9.7500	1.88
10F30N56G4Z3H3	10.00	30	480	1	12	55.50	9.94	9.7500	1.88
10F36N56G4Z3H3	12.00	36	480	1	14	55.50	9.94	9.7500	1.88
10F30N61F4Z3H3	12.50	30	480	1	15	60.50	12.94	9.7500	1.88
10F30N67G4Z3H3	12.50	30	480	1	15	66.50	9.94	9.7500	1.88
10F36N61F4Z3H3	15.00	36	480	1	18	60.50	12.94	9.7500	1.88
10F36N67G4Z3H3	15.00	36	480	1	18	66.50	9.94	9.7500	1.88
10F30N80G4Z3H3	15.00	30	480	1	18	79.50	11.94	9.7500	1.88
10F30N77F4Z3H3	16.50	30	480	1	20	76.50	12.94	9.7500	1.88
10F36N80G4Z3H3	18.00	36	480	1	22	79.50	11.94	9.7500	1.88
10F30N100G4Z3H3	18.75	30	480	1	23	99.50	11.94	9.7500	1.88
10F36N77F4Z3H3	19.75	36	480	1	24	76.50	12.94	9.7500	1.88
10F30N93F4Z3H3	20.75	30	480	1	25	92.50	12.94	9.7500	1.88
10F36N100G4Z3H3	22.50	36	480	1	27	99.50	11.94	9.7500	1.88
10F30N120G4Z3H3	23.75	30	480	1	29	119.50	11.94	9.7500	1.88

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10F36N93F4Z3H3	24.75	36	480	1	30	92.50	12.94	9.7500	1.88
10F30N120F4Z3H3	25.00	30	480	1	30	110.50	15.94	9.7500	1.88
10F30N140G4Z3H3	27.50	30	480	1	33	139.50	15.94	9.7500	1.88
10F36N120G4Z3H3	28.50	36	480	1	34	119.50	11.94	9.7500	1.88
10F36N120F4Z3H3	30.00	36	480	1	36	110.50	15.94	9.7500	1.88
10F30N160G4Z3H3	32.50	30	480	1	39	159.50	15.94	9.7500	1.88
10F36N140G4Z3H3	33.00	36	480	1	40	139.50	15.94	9.7500	1.88
10F30N144F4Z3H3	33.25	30	480	1	40	143.50	15.94	9.7500	1.88
10F36N160G4Z3H3	39.00	36	480	1	47	159.50	15.94	9.7500	1.88
10F36N144F4Z3H3	40.00	36	480	1	48	143.50	15.94	9.7500	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
12F48N44G4Z3H3	12.00	48	480	1	14	43.38	9.81	11.7500	2.00
12F48N48F4Z3H3	13.25	48	480	1	16	47.38	15.81	11.7500	2.00
12F48N56G4Z3H3	16.00	48	480	1	19	55.38	9.81	11.7500	2.00
12F48N61F4Z3H3	20.00	48	480	1	24	60.38	12.81	11.7500	2.00
12F48N67G4Z3H3	20.00	48	480	1	24	66.38	9.81	11.7500	2.00
12F48N80G4Z3H3	24.00	48	480	1	29	79.38	11.81	11.7500	2.00
12F48N77F4Z3H3	26.50	48	480	1	32	76.38	12.81	11.7500	2.00
12F54N80G4Z3H3	27.00	54	480	1	32	79.38	11.81	11.7500	2.00
12F48N100G4Z3H3	30.00	48	480	1	36	99.38	11.81	11.7500	2.00
12F48N93F4Z3H3	33.25	48	480	1	40	92.38	12.81	11.7500	2.00
12F54N100G4Z3H3	33.75	54	480	1	41	99.38	11.81	11.7500	2.00
12F54N93F4Z3H3	37.25	54	480	1	45	92.38	12.81	11.7500	2.00
12F48N120G4Z3H3	38.00	48	480	1	46	119.38	11.81	11.7500	2.00
12F48N120F4Z3H3	40.00	48	480	1	48	110.38	15.81	11.7500	2.00
12F48N140G4Z3H3	44.00	48	480	2	53	139.38	15.81	11.7500	2.00
12F48N160G4Z3H3	52.00	48	480	2	63	159.38	15.81	11.7500	2.00
12F48N144F4Z3H3	53.25	48	480	2	64	143.38	15.81	11.7500	2.00
12F54N144F4Z3H3	60.00	54	480	3	72	143.38	15.81	11.7500	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
14F54N80G4Z3H3	27.00	54	480	1	32	79.25	11.69	13.0000	2.13
14F60N80G4Z3H3	30.00	60	480	1	36	79.25	11.69	13.0000	2.13
14F54N100G4Z3H3	33.75	54	480	1	41	99.25	11.69	13.0000	2.13
14F72N80G4Z3H3	36.00	72	480	1	43	79.25	11.69	13.0000	2.13
14F54N93F4Z3H3	37.25	54	480	1	45	92.25	12.69	13.0000	2.13
14F60N100G4Z3H3	37.50	60	480	1	45	99.25	11.69	13.0000	2.13
14F60N93F4Z3H3	41.50	60	480	2	50	92.25	12.69	13.0000	2.13
14F72N100G4Z3H3	45.00	72	480	2	54	99.25	11.69	13.0000	2.13
14F60N120G4Z3H3	47.50	60	480	2	57	119.25	11.69	13.0000	2.13
14F72N93F4Z3H3	49.75	72	480	2	60	92.25	12.69	13.0000	2.13
14F60N120F4Z3H3	50.00	60	480	2	60	110.25	15.69	13.0000	2.13
14F60N140G4Z3H3	55.00	60	480	2	66	139.25	15.69	13.0000	2.13
14F72N120G4Z3H3	57.00	72	480	2	69	119.25	11.69	13.0000	2.13
14F72N120F4Z3H3	60.00	72	480	2	72	110.25	15.69	13.0000	2.13
14F54N144F4Z3H3	60.00	54	480	3	72	143.25	15.69	13.0000	2.13
14F60N160G4Z3H3	65.00	60	480	2	78	159.25	15.69	13.0000	2.13
14F72N140G4Z3H3	66.00	72	480	2	79	139.25	15.69	13.0000	2.13
14F60N144F4Z3H3	66.50	60	480	2	80	143.25	15.69	13.0000	2.13
14F72N160G4Z3H3	78.00	72	480	2	94	159.25	15.69	13.0000	2.13
14F72N144F4Z3H3	79.75	72	480	2	96	143.25	15.69	13.0000	2.13

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16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
16F84N80G4Z3H3	42.00	84	480	2	51	79.13	11.56	15.0000	2.25
16F96N80G4Z3H3	48.00	96	480	2	58	79.13	11.56	15.0000	2.25
16F84N100G4Z3H3	52.50	84	480	2	63	99.13	11.56	15.0000	2.25
16F84N93F4Z3H3	58.25	84	480	2	70	92.13	12.56	15.0000	2.25
16F96N100G4Z3H3	60.00	96	480	2	72	99.13	11.56	15.0000	2.25
16F90N93F4Z3H3	62.25	90	480	3	75	92.13	12.56	15.0000	2.25
16F96N93F4Z3H3	66.50	96	480	2	80	92.13	12.56	15.0000	2.25
16F84N120G4Z3H3	66.50	84	480	2	80	119.13	11.56	15.0000	2.25
16F84N120F4Z3H3	70.00	84	480	2	84	110.13	15.56	15.0000	2.25
16F90N120G4Z3H3	71.25	90	480	3	86	119.13	11.56	15.0000	2.25
16F90N120F4Z3H3	75.00	90	480	3	90	110.13	15.56	15.0000	2.25
16F96N120G4Z3H3	76.00	96	480	2	91	119.13	11.56	15.0000	2.25
16F84N140G4Z3H3	77.00	84	480	2	93	139.13	15.56	15.0000	2.25
16F96N120F4Z3H3	80.00	96	480	2	96	110.13	15.56	15.0000	2.25
16F90N140G4Z3H3	82.50	90	480	3	99	139.13	15.56	15.0000	2.25
16F96N140G4Z3H3	88.00	96	480	4	106	139.13	15.56	15.0000	2.25
16F90N160G4Z3H3	97.50	90	480	3	117	159.13	15.56	15.0000	2.25
16F90N144F4Z3H3	99.75	90	480	3	120	143.13	15.56	15.0000	2.25
16F96N160G4Z3H3	104.00	96	480	4	125	159.13	15.56	15.0000	2.25
16F96N144F4Z3H3	106.50	96	480	4	128	143.13	15.56	15.0000	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
18F108N100G4Z3H3	67.50	108	480	2	81	99.00	11.44	17.0000	2.38
18F108N93F4Z3H3	74.75	108	480	2	90	92.00	12.44	17.0000	2.38
18F108N120G4Z3H3	85.50	108	480	3	103	119.00	11.44	17.0000	2.38
18F108N120F4Z3H3	90.00	108	480	3	108	110.00	15.44	17.0000	2.38
18F108N140G4Z3H3	99.00	108	480	3	119	139.00	15.44	17.0000	2.38
18F108N160G4Z3H3	117.00	108	480	3	141	159.00	15.44	17.0000	2.38
18F108N144F4Z3H3	120.00	108	480	3	144	143.00	15.44	17.0000	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
20F120N100G4Z3H3	75.00	120	480	2	90	98.88	11.31	19.0000	2.50
20F126N100G4Z3H3	78.75	126	480	3	95	98.88	11.31	19.0000	2.50
20F120N93F4Z3H3	83.25	120	480	4	100	91.88	12.31	19.0000	2.50
20F126N93F4Z3H3	87.25	126	480	3	105	91.88	12.31	19.0000	2.50
20F144N100G4Z3H3	90.00	144	480	3	108	98.88	11.31	19.0000	2.50
20F120N120G4Z3H3	95.00	120	480	4	114	118.88	11.31	19.0000	2.50
20F144N93F4Z3H3	99.75	144	480	3	120	91.88	12.31	19.0000	2.50
20F126N120G4Z3H3	99.75	126	480	3	120	118.88	11.31	19.0000	2.50
20F120N120F4Z3H3	100.00	120	480	4	120	109.88	15.31	19.0000	2.50
20F162N100G4Z3H3	101.00	162	480	3	121	98.88	11.31	19.0000	2.50
20F126N120F4Z3H3	105.00	126	480	3	126	109.88	15.31	19.0000	2.50
20F120N140G4Z3H3	110.00	120	480	4	132	138.88	15.31	19.0000	2.50
20F162N93F4Z3H3	112.00	162	480	3	135	91.88	12.31	19.0000	2.50
20F180N100G4Z3H3	112.50	180	480	3	135	98.88	11.31	19.0000	2.50
20F144N120G4Z3H3	114.00	144	480	3	137	118.88	11.31	19.0000	2.50
20F126N140G4Z3H3	115.50	126	480	3	139	138.88	15.31	19.0000	2.50
20F144N120F4Z3H3	120.00	144	480	3	144	109.88	15.31	19.0000	2.50

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20F180N93F4Z3H3	124.50	180	480	5	150	91.88	12.31	19.0000	2.50
20F120N160G4Z3H3	130.00	120	480	4	156	158.88	15.31	19.0000	2.50
20F144N140G4Z3H3	132.00	144	480	4	159	138.88	15.31	19.0000	2.50
20F120N144F4Z3H3	133.00	120	480	4	160	142.88	15.31	19.0000	2.50
20F126N144F4Z3H3	140.00	126	480	7	168	142.88	15.31	19.0000	2.50
20F180N120G4Z3H3	142.50	180	480	5	171	118.88	11.31	19.0000	2.50
20F180N120F4Z3H3	150.00	180	480	5	180	109.88	15.31	19.0000	2.50
20F144N160G4Z3H3	156.00	144	480	4	188	158.88	15.31	19.0000	2.50
20F144N144F4Z3H3	160.00	144	480	4	192	142.88	15.31	19.0000	2.50
20F180N140G4Z3H3	165.00	180	480	5	198	138.88	15.31	19.0000	2.50
20F162N144F4Z3H3	180.00	162	480	9	217	142.88	15.31	19.0000	2.50
20F180N160G4Z3H3	195.00	180	480	5	235	158.88	15.31	19.0000	2.50
20F180N144F4Z3H3	199.50	180	480	5	240	142.88	15.31	19.0000	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
24F192N100G4Z3H3	120.00	192	480	4	144	98.63	11.06	23.0000	2.75
24F192N93F4Z3H3	133.00	192	480	4	160	91.63	12.06	23.0000	2.75
24F216N100G4Z3H3	135.00	216	480	4	162	98.63	11.06	23.0000	2.75
24F216N93F4Z3H3	149.50	216	480	4	180	91.63	12.06	23.0000	2.75
24F240N100G4Z3H3	150.00	240	480	4	180	98.63	11.06	23.0000	2.75
24F192N120G4Z3H3	152.00	192	480	4	183	118.63	11.06	23.0000	2.75
24F192N120F4Z3H3	160.00	192	480	4	192	109.63	15.06	23.0000	2.75
24F240N93F4Z3H3	166.50	240	480	8	200	91.63	12.06	23.0000	2.75
24F216N120G4Z3H3	171.00	216	480	6	206	118.63	11.06	23.0000	2.75
24F192N140G4Z3H3	176.00	192	480	8	212	138.63	15.06	23.0000	2.75
24F216N120F4Z3H3	180.00	216	480	6	217	109.63	15.06	23.0000	2.75
24F240N120G4Z3H3	190.00	240	480	8	229	118.63	11.06	23.0000	2.75
24F216N140G4Z3H3	198.00	216	480	6	238	138.63	15.06	23.0000	2.75
24F240N120F4Z3H3	200.00	240	480	8	241	109.63	15.06	23.0000	2.75
24F192N160G4Z3H3	208.00	192	480	8	250	158.63	15.06	23.0000	2.75
24F192N144F4Z3H3	213.00	192	480	8	256	142.63	15.06	23.0000	2.75
24F240N140G4Z3H3	220.00	240	480	8	265	138.63	15.06	23.0000	2.75
24F216N160G4Z3H3	234.00	216	480	6	281	158.63	15.06	23.0000	2.75
24F216N144F4Z3H3	239.50	216	480	6	288	142.63	15.06	23.0000	2.75
24F240N160G4Z3H3	260.00	240	480	8	313	158.63	15.06	23.0000	2.75
24F240N144F4Z3H3	266.50	240	480	8	321	142.63	15.06	23.0000	2.75

2 Watts/Sq. Inch

4 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
4F6N10M2Z3H3	0.25	6	240	1	1	10.13	3.56	3.8260	1.25
4F6N13M1Z3H3	0.38	6	120	1	2	13.13	3.56	3.8260	1.25
4F6N13M2Z3H3	0.38	6	120	1	2	13.13	3.56	3.8260	1.25
4F6N13M4Z3H3	0.38	6	480	1	0	13.13	3.56	3.8260	1.25
4F6N18M4Z3H3	0.50	6	480	1	1	17.63	3.56	3.8260	1.25
4F6N18M2Z3H3	0.50	6	240	1	1	17.63	3.56	3.8260	1.25
4F6N20M2Z3H3	0.63	6	240	1	2	19.63	3.56	3.8260	1.25
4F6N20M4Z3H3	0.63	6	480	1	1	20.13	3.56	3.8260	1.25
4F6N25M1Z3H3	0.75	6	120	1	4	25.13	3.56	3.8260	1.25
4F6N25M4Z3H3	0.75	6	480	1	1	25.13	3.56	3.8260	1.25
4F6N25M2Z3H3	0.75	6	240	1	2	25.13	3.56	3.8260	1.25
4F6N33M4Z3H3	1.00	6	480	1	1	32.63	3.56	3.8260	1.25
4F6N40M2Z3H3	1.25	6	240	1	3	40.13	3.56	3.8260	1.25

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4F6N40M4Z3H3	1.25	6	480	1	2	40.13	3.56	3.8260	1.25
4F6N48M4Z3H3	1.50	6	480	1	2	47.63	3.56	3.8260	1.25
4F6N52M4Z3H3	1.63	6	480	1	2	51.63	5.56	3.8260	1.25
4F6N52M2Z3H3	1.63	6	240	1	4	51.63	5.56	3.8260	1.25
4F6N59M4Z3H3	1.63	6	480	1	2	57.63	12.56	3.8260	1.25
4F6N64M2Z3H3	2.13	6	240	1	5	64.13	5.56	3.8260	1.25
4F6N64M4Z3H3	2.13	6	480	1	3	64.13	5.56	3.8260	1.25
4F6N73M4Z3H3	2.13	6	480	1	3	71.63	16.56	3.8260	1.25
4F6N77M2Z3H3	2.50	6	240	1	6	76.63	5.56	3.8260	1.25
4F6N77M4Z3H3	2.50	6	480	1	3	76.63	5.56	3.8260	1.25
4F6N88M4Z3H3	2.75	6	480	1	3	88.63	5.56	3.8260	1.25
4F6N95M4Z3H3	2.75	6	480	1	3	93.63	12.56	3.8260	1.25
4F6N106M4Z3H3	3.13	6	480	1	4	106.13	12.56	3.8260	1.25
4F6N120M4Z3H3	3.88	6	480	1	5	120.13	12.56	3.8260	1.25
4F6N140M4Z3H3	4.38	6	480	1	5	140.13	16.56	3.8260	1.25
4F6N160M4Z3H3	5.00	6	480	1	6	160.13	16.56	3.8260	1.25

6 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
6F12N10M2Z3H3	0.50	12	240	1	1	9.94	3.38	5.7610	1.44
6F12N13M4Z3H3	0.75	12	480	1	1	12.94	3.38	5.7610	1.44
6F12N18M2Z3H3	1.00	12	240	1	2	17.44	3.38	5.7610	1.44
6F12N18M4Z3H3	1.00	12	480	1	1	17.44	3.38	5.7610	1.44
6F12N20M2Z3H3	1.25	12	240	1	3	19.44	3.38	5.7610	1.44
6F12N20M4Z3H3	1.25	12	480	1	2	19.94	3.38	5.7610	1.44
6F12N25M2Z3H3	1.50	12	240	1	4	24.94	3.38	5.7610	1.44
6F12N25M4Z3H3	1.50	12	480	1	2	24.94	3.38	5.7610	1.44
6F12N33M4Z3H3	2.00	12	480	1	2	32.44	3.38	5.7610	1.44
6F12N40M4Z3H3	2.50	12	480	1	3	39.94	3.38	5.7610	1.44
6F12N40M2Z3H3	2.50	12	240	1	6	39.94	3.38	5.7610	1.44
6F12N48M4Z3H3	3.00	12	480	1	4	47.44	3.38	5.7610	1.44
6F12N52M4Z3H3	3.25	12	480	1	4	51.44	5.38	5.7610	1.44
6F12N52M2Z3H3	3.25	12	240	1	8	51.44	5.38	5.7610	1.44
6F12N59M4Z3H3	3.25	12	480	1	4	57.44	12.38	5.7610	1.44
6F12N64M2Z3H3	4.25	12	240	1	10	63.94	5.38	5.7610	1.44
6F12N64M4Z3H3	4.25	12	480	1	5	63.94	5.38	5.7610	1.44
6F12N73M4Z3H3	4.25	12	480	1	5	71.44	16.38	5.7610	1.44
6F12N77M2Z3H3	5.00	12	240	1	12	76.44	5.38	5.7610	1.44
6F12N77M4Z3H3	5.00	12	480	1	6	76.44	5.38	5.7610	1.44
6F12N88M4Z3H3	5.50	12	480	1	7	88.44	5.38	5.7610	1.44
6F12N95M4Z3H3	5.50	12	480	1	7	93.44	12.38	5.7610	1.44
6F12N106M4Z3H3	6.25	12	480	1	8	105.94	12.38	5.7610	1.44
6F12N120M4Z3H3	7.75	12	480	1	9	119.94	12.38	5.7610	1.44
6F12N140M4Z3H3	8.75	12	480	1	11	139.94	16.38	5.7610	1.44
6F12N160M4Z3H3	10.00	12	480	1	12	159.94	16.38	5.7610	1.44

8 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
8F18N13M4Z3H3	1.13	18	480	1	1	12.75	3.19	7.6250	1.63
8F24N13M4Z3H3	1.50	24	480	1	2	12.75	3.19	7.6250	1.63
8F18N18M4Z3H3	1.50	18	480	1	2	17.25	3.19	7.6250	1.63
8F18N20M4Z3H3	1.88	18	480	1	2	19.75	3.19	7.6250	1.63
8F24N18M4Z3H3	2.00	24	480	1	2	17.25	3.19	7.6250	1.63
8F18N25M4Z3H3	2.25	18	480	1	3	24.75	3.19	7.6250	1.63

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8F24N20M4Z3H3	2.50	24	480	1	3	19.75	3.19	7.6250	1.63
8F24N25M4Z3H3	3.00	24	480	1	4	24.75	3.19	7.6250	1.63
8F18N33M4Z3H3	3.00	18	480	1	4	32.25	3.19	7.6250	1.63
8F18N40M4Z3H3	3.75	18	480	1	5	39.75	3.19	7.6250	1.63
8F24N33M4Z3H3	4.00	24	480	1	5	32.25	3.19	7.6250	1.63
8F18N48M4Z3H3	4.50	18	480	1	5	47.25	3.19	7.6250	1.63
8F24N40M4Z3H3	5.00	24	480	1	6	39.75	3.19	7.6250	1.63
8F18N52M4Z3H3	5.00	18	480	1	6	51.25	5.19	7.6250	1.63
8F18N59M4Z3H3	5.00	18	480	1	6	57.25	12.19	7.6250	1.63
8F24N48M4Z3H3	6.00	24	480	1	7	47.25	3.19	7.6250	1.63
8F18N64M4Z3H3	6.38	18	480	1	8	63.75	5.19	7.6250	1.63
8F18N73M4Z3H3	6.38	18	480	1	8	71.25	16.19	7.6250	1.63
8F24N52M4Z3H3	6.63	24	480	1	8	51.25	5.19	7.6250	1.63
8F24N59M4Z3H3	6.63	24	480	1	8	57.25	12.19	7.6250	1.63
8F18N77M4Z3H3	7.50	18	480	1	9	76.25	5.19	7.6250	1.63
8F18N88M4Z3H3	8.38	18	480	1	10	88.25	5.19	7.6250	1.63
8F18N95M4Z3H3	8.38	18	480	1	10	93.25	12.19	7.6250	1.63
8F24N64M4Z3H3	8.50	24	480	1	10	63.75	5.19	7.6250	1.63
8F24N73M4Z3H3	8.50	24	480	1	10	71.25	16.19	7.6250	1.63
8F18N106M4Z3H3	9.38	18	480	1	11	105.75	12.19	7.6250	1.63
8F24N77M4Z3H3	10.00	24	480	1	12	76.25	5.19	7.6250	1.63
8F24N88M4Z3H3	11.00	24	480	1	13	88.25	5.19	7.6250	1.63
8F24N95M4Z3H3	11.00	24	480	1	13	93.25	12.19	7.6250	1.63
8F18N120M4Z3H3	11.50	18	480	1	14	119.75	12.19	7.6250	1.63
8F24N106M4Z3H3	12.50	24	480	1	15	105.75	12.19	7.6250	1.63
8F18N140M4Z3H3	13.00	18	480	1	16	139.75	16.19	7.6250	1.63
8F18N160M4Z3H3	15.00	18	480	1	18	159.75	16.19	7.6250	1.63
8F24N120M4Z3H3	15.50	24	480	1	19	119.75	12.19	7.6250	1.63
8F24N140M4Z3H3	17.50	24	480	1	21	139.75	16.19	7.6250	1.63
8F24N160M4Z3H3	20.00	24	480	1	24	159.75	16.19	7.6250	1.63

10 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
10F30N13M4Z3H3	1.88	30	480	1	2	12.50	2.94	9.7500	1.88
10F36N13M4Z3H3	2.25	36	480	1	3	12.50	2.94	9.7500	1.88
10F30N18M4Z3H3	2.50	30	480	1	3	17.00	2.94	9.7500	1.88
10F36N18M4Z3H3	3.00	36	480	1	4	17.00	2.94	9.7500	1.88
10F30N20M4Z3H3	3.13	30	480	1	4	19.50	2.94	9.7500	1.88
10F36N20M4Z3H3	3.75	36	480	1	5	19.50	2.94	9.7500	1.88
10F30N25M4Z3H3	3.75	30	480	1	5	24.50	2.94	9.7500	1.88
10F36N25M4Z3H3	4.50	36	480	1	5	24.50	2.94	9.7500	1.88
10F30N33M4Z3H3	5.00	30	480	1	6	32.00	2.94	9.7500	1.88
10F36N33M4Z3H3	6.00	36	480	1	7	32.00	2.94	9.7500	1.88
10F30N40M4Z3H3	6.25	30	480	1	8	39.50	2.94	9.7500	1.88
10F36N40M4Z3H3	7.50	36	480	1	9	39.50	2.94	9.7500	1.88
10F30N48M4Z3H3	7.50	30	480	1	9	47.00	2.94	9.7500	1.88
10F30N52M4Z3H3	8.25	30	480	1	10	51.00	4.94	9.7500	1.88
10F30N59M4Z3H3	8.25	30	480	1	10	57.00	11.94	9.7500	1.88
10F36N48M4Z3H3	9.00	36	480	1	11	47.00	2.94	9.7500	1.88
10F36N52M4Z3H3	10.00	36	480	1	12	51.00	4.94	9.7500	1.88
10F36N59M4Z3H3	10.00	36	480	1	12	57.00	11.94	9.7500	1.88
10F30N64M4Z3H3	10.50	30	480	1	13	63.50	4.94	9.7500	1.88
10F30N73M4Z3H3	10.50	30	480	1	13	71.00	15.94	9.7500	1.88
10F30N77M4Z3H3	12.50	30	480	1	15	76.00	4.94	9.7500	1.88

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10F36N64M4Z3H3	12.75	36	480	1	15	63.50	4.94	9.7500	1.88
10F36N73M4Z3H3	12.75	36	480	1	15	71.00	15.94	9.7500	1.88
10F30N88M4Z3H3	14.00	30	480	1	17	88.00	4.94	9.7500	1.88
10F30N95M4Z3H3	14.00	30	480	1	17	93.00	11.94	9.7500	1.88
10F36N77M4Z3H3	15.00	36	480	1	18	76.00	4.94	9.7500	1.88
10F30N106M4Z3H3	15.75	30	480	1	19	105.50	11.94	9.7500	1.88
10F36N88M4Z3H3	16.75	36	480	1	20	88.00	4.94	9.7500	1.88
10F36N95M4Z3H3	16.75	36	480	1	20	93.00	11.94	9.7500	1.88
10F36N106M4Z3H3	18.75	36	480	1	23	105.50	11.94	9.7500	1.88
10F30N120M4Z3H3	19.50	30	480	1	23	119.50	11.94	9.7500	1.88
10F30N140M4Z3H3	21.75	30	480	1	26	139.50	15.94	9.7500	1.88
10F36N120M4Z3H3	23.25	36	480	1	28	119.50	11.94	9.7500	1.88
10F30N160M4Z3H3	25.00	30	480	1	30	159.50	15.94	9.7500	1.88
10F36N140M4Z3H3	26.25	36	480	1	32	139.50	15.94	9.7500	1.88
10F36N160M4Z3H3	30.00	36	480	1	36	159.50	15.94	9.7500	1.88

12 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
12F48N40M4Z3H3	10.00	48	480	1	12	39.38	2.81	11.7500	2.00
12F48N48M4Z3H3	12.00	48	480	1	14	46.88	2.81	11.7500	2.00
12F48N52M4Z3H3	13.25	48	480	1	16	50.88	4.81	11.7500	2.00
12F48N59M4Z3H3	13.25	48	480	1	16	56.88	11.81	11.7500	2.00
12F48N64M4Z3H3	17.00	48	480	1	20	63.38	4.81	11.7500	2.00
12F48N73M4Z3H3	17.00	48	480	1	20	70.88	15.81	11.7500	2.00
12F48N77M4Z3H3	20.00	48	480	1	24	75.88	4.81	11.7500	2.00
12F48N88M4Z3H3	22.25	48	480	1	27	87.88	4.81	11.7500	2.00
12F48N95M4Z3H3	22.25	48	480	1	27	92.88	11.81	11.7500	2.00
12F54N88M4Z3H3	25.00	54	480	1	30	87.88	4.81	11.7500	2.00
12F54N95M4Z3H3	25.00	54	480	1	30	92.88	11.81	11.7500	2.00
12F48N106M4Z3H3	25.00	48	480	1	30	105.38	11.81	11.7500	2.00
12F54N106M4Z3H3	28.25	54	480	1	34	105.38	11.81	11.7500	2.00
12F48N120M4Z3H3	31.00	48	480	1	37	119.38	11.81	11.7500	2.00
12F54N120M4Z3H3	35.00	54	480	1	42	119.38	11.81	11.7500	2.00
12F48N140M4Z3H3	35.00	48	480	1	42	139.38	15.81	11.7500	2.00
12F54N140M4Z3H3	39.25	54	480	1	47	139.38	15.81	11.7500	2.00
12F48N160M4Z3H3	40.00	48	480	1	48	159.38	15.81	11.7500	2.00

14 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
14F54N88M4Z3H3	25.00	54	480	1	30	87.75	4.69	13.0000	2.13
14F54N95M4Z3H3	25.00	54	480	1	30	92.75	11.69	13.0000	2.13
14F60N88M4Z3H3	28.00	60	480	1	34	87.75	4.69	13.0000	2.13
14F60N95M4Z3H3	28.00	60	480	1	34	92.75	11.69	13.0000	2.13
14F54N106M4Z3H3	28.25	54	480	1	34	105.25	11.69	13.0000	2.13
14F60N106M4Z3H3	31.50	60	480	1	38	105.25	11.69	13.0000	2.13
14F72N88M4Z3H3	33.50	72	480	1	40	87.75	4.69	13.0000	2.13
14F72N95M4Z3H3	33.50	72	480	1	40	92.75	11.69	13.0000	2.13
14F54N120M4Z3H3	35.00	54	480	1	42	119.25	11.69	13.0000	2.13
14F72N106M4Z3H3	37.75	72	480	1	45	105.25	11.69	13.0000	2.13
14F60N120M4Z3H3	39.00	60	480	1	47	119.25	11.69	13.0000	2.13
14F54N140M4Z3H3	39.25	54	480	1	47	139.25	15.69	13.0000	2.13
14F60N140M4Z3H3	43.75	60	480	2	53	139.25	15.69	13.0000	2.13
14F72N120M4Z3H3	46.75	72	480	2	56	119.25	11.69	13.0000	2.13
14F60N160M4Z3H3	50.00	60	480	2	60	159.25	15.69	13.0000	2.13

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14F72N140M4Z3H3	52.50	72	480	2	63	139.25	15.69	13.0000	2.13
14F72N160M4Z3H3	60.00	72	480	2	72	159.25	15.69	13.0000	2.13

16 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
16F84N88M4Z3H3	39.00	84	480	1	47	87.63	4.56	15.0000	2.25
16F84N95M4Z3H3	39.00	84	480	1	47	92.63	11.56	15.0000	2.25
16F84N106M4Z3H3	44.00	84	480	2	53	105.13	11.56	15.0000	2.25
16F96N88M4Z3H3	44.75	96	480	2	54	87.63	4.56	15.0000	2.25
16F96N95M4Z3H3	44.75	96	480	2	54	92.63	11.56	15.0000	2.25
16F96N106M4Z3H3	50.25	96	480	2	60	105.13	11.56	15.0000	2.25
16F84N120M4Z3H3	54.50	84	480	2	66	119.13	11.56	15.0000	2.25
16F84N140M4Z3H3	61.25	84	480	2	74	139.13	15.56	15.0000	2.25
16F96N120M4Z3H3	62.25	96	480	2	75	119.13	11.56	15.0000	2.25
16F90N140M4Z3H3	65.50	90	480	3	79	139.13	15.56	15.0000	2.25
16F96N140M4Z3H3	70.00	96	480	2	84	139.13	15.56	15.0000	2.25
16F84N160M4Z3H3	70.00	84	480	2	84	159.13	15.56	15.0000	2.25
16F90N160M4Z3H3	75.00	90	480	3	90	159.13	15.56	15.0000	2.25
16F96N160M4Z3H3	80.00	96	480	2	96	159.13	15.56	15.0000	2.25

18 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
18F108N88M4Z3H3	50.25	108	480	2	60	87.50	4.44	17.0000	2.38
18F108N95M4Z3H3	50.25	108	480	2	60	92.50	11.44	17.0000	2.38
18F108N106M4Z3H3	56.50	108	480	2	68	105.00	11.44	17.0000	2.38
18F108N120M4Z3H3	70.00	108	480	2	84	119.00	11.44	17.0000	2.38
18F108N140M4Z3H3	78.75	108	480	2	95	139.00	15.44	17.0000	2.38
18F108N160M4Z3H3	90.00	108	480	3	108	159.00	15.44	17.0000	2.38

20 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
20F120N88M4Z3H3	56.00	120	480	2	67	87.38	4.31	19.0000	2.50
20F120N95M4Z3H3	56.00	120	480	2	67	92.38	11.31	19.0000	2.50
20F132N88M4Z3H3	61.50	132	480	2	74	87.38	4.31	19.0000	2.50
20F132N95M4Z3H3	61.50	132	480	2	74	92.38	11.31	19.0000	2.50
20F120N106M4Z3H3	63.00	120	480	2	76	104.88	11.31	19.0000	2.50
20F126N106M4Z3H3	66.00	126	480	3	79	104.88	11.31	19.0000	2.50
20F144N88M4Z3H3	67.00	144	480	2	81	87.38	4.31	19.0000	2.50
20F144N95M4Z3H3	67.00	144	480	2	81	92.38	11.31	19.0000	2.50
20F132N106M4Z3H3	69.25	132	480	2	83	104.88	11.31	19.0000	2.50
20F162N88M4Z3H3	75.50	162	480	3	91	87.38	4.31	19.0000	2.50
20F162N95M4Z3H3	75.50	162	480	3	91	92.38	11.31	19.0000	2.50
20F144N106M4Z3H3	75.50	144	480	2	91	104.88	11.31	19.0000	2.50
20F120N120M4Z3H3	78.00	120	480	2	94	118.88	11.31	19.0000	2.50
20F126N120M4Z3H3	81.75	126	480	3	98	118.88	11.31	19.0000	2.50
20F180N88M4Z3H3	84.00	180	480	3	101	87.38	4.31	19.0000	2.50
20F180N95M4Z3H3	84.00	180	480	3	101	92.38	11.31	19.0000	2.50
20F162N106M4Z3H3	85.00	162	480	3	102	104.88	11.31	19.0000	2.50
20F120N140M4Z3H3	87.50	120	480	4	105	138.88	15.31	19.0000	2.50
20F126N140M4Z3H3	91.75	126	480	3	110	138.88	15.31	19.0000	2.50
20F144N120M4Z3H3	93.50	144	480	3	112	118.88	11.31	19.0000	2.50
20F180N106M4Z3H3	94.50	180	480	3	114	104.88	11.31	19.0000	2.50
20F120N160M4Z3H3	100.00	120	480	4	120	158.88	15.31	19.0000	2.50

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20F162N120M4Z3H3	105.00	162	480	3	126	118.88	11.31	19.0000	2.50
20F144N140M4Z3H3	105.00	144	480	3	126	138.88	15.31	19.0000	2.50
20F126N160M4Z3H3	105.00	126	480	3	126	158.88	15.31	19.0000	2.50
20F180N120M4Z3H3	117.00	180	480	3	141	118.88	11.31	19.0000	2.50
20F162N140M4Z3H3	118.00	162	480	3	142	138.88	15.31	19.0000	2.50
20F144N160M4Z3H3	120.00	144	480	3	144	158.88	15.31	19.0000	2.50
20F180N140M4Z3H3	131.00	180	480	5	158	138.88	15.31	19.0000	2.50
20F180N160M4Z3H3	150.00	180	480	5	180	158.88	15.31	19.0000	2.50

24 Inch Heaters

<u>Part Number</u>	<u>kW</u>	<u>No. Ele.</u>	<u>Volts</u>	<u>Circuits</u>	<u>Amps</u>	<u>OAL</u>	<u>CL</u>	<u>ID</u>	<u>FT</u>
24F192N88M4Z3H3	89.50	192	480	4	108	87.13	4.06	23.0000	2.75
24F192N95M4Z3H3	89.50	192	480	4	108	92.13	11.06	23.0000	2.75
24F216N88M4Z3H3	100.50	216	480	3	121	87.13	4.06	23.0000	2.75
24F216N95M4Z3H3	100.50	216	480	3	121	92.13	11.06	23.0000	2.75
24F192N106M4Z3H3	100.50	192	480	4	121	104.63	11.06	23.0000	2.75
24F234N88M4Z3H3	109.00	234	480	3	131	87.13	4.06	23.0000	2.75
24F234N95M4Z3H3	109.00	234	480	3	131	92.13	11.06	23.0000	2.75
24F240N88M4Z3H3	112.00	240	480	4	135	87.13	4.06	23.0000	2.75
24F240N95M4Z3H3	112.00	240	480	4	135	92.13	11.06	23.0000	2.75
24F216N106M4Z3H3	113.00	216	480	3	136	104.63	11.06	23.0000	2.75
24F192N120M4Z3H3	124.50	192	480	4	150	118.63	11.06	23.0000	2.75
24F240N106M4Z3H3	126.00	240	480	4	152	104.63	11.06	23.0000	2.75
24F216N120M4Z3H3	140.00	216	480	4	168	118.63	11.06	23.0000	2.75
24F192N140M4Z3H3	140.00	192	480	4	168	138.63	15.06	23.0000	2.75
24F240N120M4Z3H3	156.00	240	480	4	188	118.63	11.06	23.0000	2.75
24F216N140M4Z3H3	157.50	216	480	4	189	138.63	15.06	23.0000	2.75
24F192N160M4Z3H3	160.00	192	480	4	192	158.63	15.06	23.0000	2.75
24F240N140M4Z3H3	175.00	240	480	8	210	138.63	15.06	23.0000	2.75
24F216N160M4Z3H3	180.00	216	480	6	217	158.63	15.06	23.0000	2.75
24F240N160M4Z3H3	200.00	240	480	8	241	158.63	15.06	23.0000	2.75