



600# 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

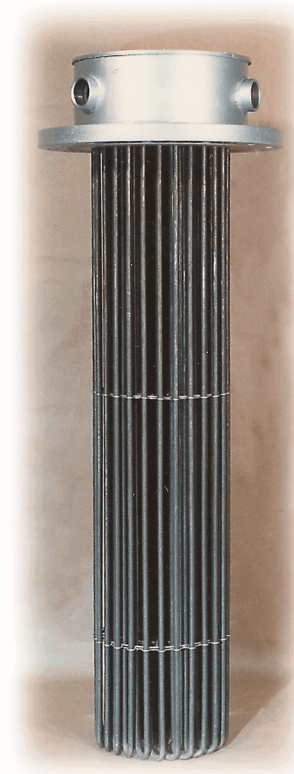
For lubricating oils, medium viscosity oils, high temperature air and gas heating.

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

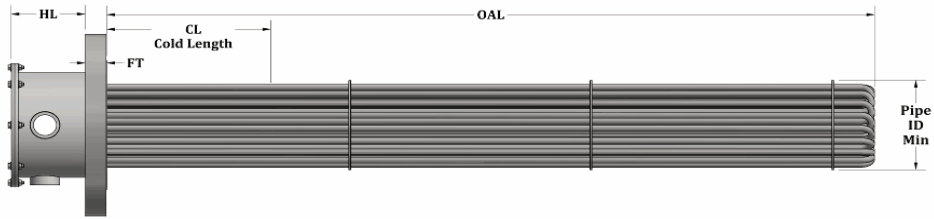
Sensors

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

Certifications

CSA	UL
ATEX	IEC eX
CRN	

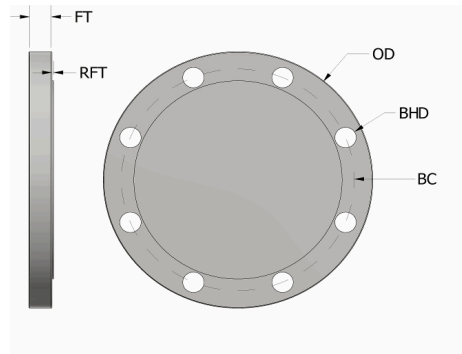
Heater Dimensional Drawing Data



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	1.13	0.25	5.88	0.88	8.00
3.00	8.25	1.25	0.25	6.63	0.88	8.00
4.00	10.75	1.50	0.25	8.50	1.00	8.00
5.00	13.00	1.75	0.25	10.50	1.13	8.00
6.00	14.00	1.88	0.25	11.50	1.13	12.00
8.00	16.50	2.19	0.25	13.75	1.25	12.00
10.00	20.00	2.50	0.25	17.00	1.38	16.00
12.00	22.00	2.63	0.25	19.25	1.38	20.00
14.00	23.75	2.75	0.25	20.75	1.50	20.00
16.00	27.00	3.00	0.25	23.75	1.63	20.00
18.00	29.25	3.25	0.25	25.75	1.75	20.00
20.00	32.00	3.50	0.25	28.50	1.75	24.00
24.00	37.00	4.00	0.25	33.00	2.00	24.00

600# 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>
3F3N18B4D3H6	7.50	3	480	1	9	17.38	3.31	2.9000	1.50
3F3N20B4D3H6	8.63	3	480	1	10	19.38	3.31	2.9000	1.50
3F3N25B2D3H6	11.50	3	240	1	28	24.88	3.31	2.9000	1.50
3F3N25B4D3H6	11.50	3	480	1	14	24.88	3.31	2.9000	1.50
3F3N33B2D3H6	15.00	3	240	1	36	32.38	3.31	2.9000	1.50
3F3N33B4D3H6	15.00	3	480	1	18	32.38	3.31	2.9000	1.50
3F3N38B4D3H6	18.00	3	480	1	22	37.88	5.31	2.9000	1.50
3F3N36B4D3H6	19.25	3	480	1	23	35.38	3.31	2.9000	1.50
3F3N43B4D3H6	20.00	3	480	1	24	42.38	5.31	2.9000	1.50
3F3N52B4D3H6	25.00	3	480	1	30	51.38	5.31	2.9000	1.50
3F3N57B4D3H6	25.00	3	480	1	30	56.38	10.31	2.9000	1.50
3F3N61B4D3H6	30.00	3	480	1	36	60.88	5.31	2.9000	1.50
3F3N68B4D3H6	30.00	3	480	1	36	67.88	12.31	2.9000	1.50

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>
4F6N18B4D3H6	15.00	6	480	1	18	17.13	3.06	3.8260	1.75
4F6N20B4D3H6	17.25	6	480	1	21	19.13	3.06	3.8260	1.75
4F6N25B2D3H6	23.00	6	240	2	55	24.63	3.06	3.8260	1.75
4F6N25B4D3H6	23.00	6	480	1	28	24.63	3.06	3.8260	1.75
4F6N33B2D3H6	30.00	6	240	2	72	32.13	3.06	3.8260	1.75
4F6N33B4D3H6	30.00	6	480	1	36	32.13	3.06	3.8260	1.75
4F6N38B4D3H6	36.00	6	480	1	43	37.63	5.06	3.8260	1.75
4F6N36B4D3H6	38.50	6	480	1	46	35.13	3.06	3.8260	1.75
4F6N43B4D3H6	40.00	6	480	1	48	42.13	5.06	3.8260	1.75
4F6N52B4D3H6	50.00	6	480	2	60	51.13	5.06	3.8260	1.75
4F6N57B4D3H6	50.00	6	480	2	60	56.13	10.06	3.8260	1.75
4F6N61B4D3H6	60.00	6	480	2	72	60.63	5.06	3.8260	1.75
4F6N68B4D3H6	60.00	6	480	2	72	67.63	12.06	3.8260	1.75

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>
5F9N43B4D3H6	60.00	9	480	3	72	41.88	4.81	4.8125	2.00
5F9N52B4D3H6	75.00	9	480	3	90	50.88	4.81	4.8125	2.00
5F9N57B4D3H6	75.00	9	480	3	90	55.88	9.81	4.8125	2.00
5F9N61B4D3H6	90.00	9	480	3	108	60.38	4.81	4.8125	2.00
5F9N68B4D3H6	90.00	9	480	3	108	67.38	11.81	4.8125	2.00

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>
6F12N38B4D3H6	72.00	12	480	2	87	37.25	4.69	5.7610	2.13
6F12N43B4D3H6	80.00	12	480	2	96	41.75	4.69	5.7610	2.13
6F15N43B4D3H6	100.00	15	480	5	120	41.75	4.69	5.7610	2.13
6F12N52B4D3H6	100.00	12	480	4	120	50.75	4.69	5.7610	2.13
6F12N57B4D3H6	100.00	12	480	4	120	55.75	9.69	5.7610	2.13
6F12N61B4D3H6	120.00	12	480	4	144	60.25	4.69	5.7610	2.13
6F12N68B4D3H6	120.00	12	480	4	144	67.25	11.69	5.7610	2.13
6F15N52B4D3H6	125.00	15	480	5	150	50.75	4.69	5.7610	2.13
6F15N57B4D3H6	125.00	15	480	5	150	55.75	9.69	5.7610	2.13
6F15N61B4D3H6	150.00	15	480	5	180	60.25	4.69	5.7610	2.13

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6F15N68B4D3H6	150.00	15	480	5	180	67.25	11.69	5.7610	2.13
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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>
8F18N38B4D3H6	108.00	18	480	3	130	36.94	4.38	7.6250	2.44
8F18N43B4D3H6	120.00	18	480	3	144	41.44	4.38	7.6250	2.44
8F24N38B4D3H6	144.00	24	480	4	173	36.94	4.38	7.6250	2.44
8F18N52B4D3H6	150.00	18	480	6	180	50.44	4.38	7.6250	2.44
8F18N57B4D3H6	150.00	18	480	6	180	55.44	9.38	7.6250	2.44
8F24N43B4D3H6	160.00	24	480	4	192	41.44	4.38	7.6250	2.44
8F18N61B4D3H6	180.00	18	480	6	217	59.94	4.38	7.6250	2.44
8F18N68B4D3H6	180.00	18	480	6	217	66.94	11.38	7.6250	2.44
8F24N52B4D3H6	200.00	24	480	8	241	50.44	4.38	7.6250	2.44
8F24N57B4D3H6	200.00	24	480	8	241	55.44	9.38	7.6250	2.44
8F24N61B4D3H6	240.00	24	480	8	289	59.94	4.38	7.6250	2.44
8F24N68B4D3H6	240.00	24	480	8	289	66.94	11.38	7.6250	2.44

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>
10F30N38B4D3H6	180.00	30	480	5	217	36.63	4.06	9.7500	2.75
10F30N43B4D3H6	200.00	30	480	5	241	41.13	4.06	9.7500	2.75
10F36N38B4D3H6	216.00	36	480	6	260	36.63	4.06	9.7500	2.75
10F36N43B4D3H6	240.00	36	480	6	289	41.13	4.06	9.7500	2.75
10F30N52B4D3H6	250.00	30	480	10	301	50.13	4.06	9.7500	2.75
10F30N57B4D3H6	250.00	30	480	10	301	55.13	9.06	9.7500	2.75
10F36N52B4D3H6	300.00	36	480	12	361	50.13	4.06	9.7500	2.75
10F36N57B4D3H6	300.00	36	480	12	361	55.13	9.06	9.7500	2.75
10F30N61B4D3H6	300.00	30	480	10	361	59.63	4.06	9.7500	2.75
10F30N68B4D3H6	300.00	30	480	10	361	66.63	11.06	9.7500	2.75
10F36N61B4D3H6	360.00	36	480	12	433	59.63	4.06	9.7500	2.75
10F36N68B4D3H6	360.00	36	480	12	433	66.63	11.06	9.7500	2.75

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>
12F48N43B4D3H6	320.00	48	480	8	385	41.00	3.94	11.7500	2.88
12F48N52B4D3H6	400.00	48	480	16	481	50.00	3.94	11.7500	2.88
12F48N57B4D3H6	400.00	48	480	16	481	55.00	8.94	11.7500	2.88
12F48N61B4D3H6	480.00	48	480	16	577	59.50	3.94	11.7500	2.88
12F48N68B4D3H6	480.00	48	480	16	577	66.50	10.94	11.7500	2.88

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>
3F3N10H4D3H6	3.00	3	480	1	4	9.88	3.31	2.9000	1.50
3F3N18H2D3H6	6.00	3	240	1	14	17.38	3.31	2.9000	1.50
3F3N18H4D3H6	6.00	3	480	1	7	17.38	3.31	2.9000	1.50
3F3N20H2D3H6	7.50	3	240	1	18	19.38	3.31	2.9000	1.50
3F3N20H4D3H6	7.50	3	480	1	9	19.38	3.31	2.9000	1.50
3F3N25H2D3H6	9.00	3	240	1	22	24.88	3.31	2.9000	1.50
3F3N25H4D3H6	9.00	3	480	1	11	24.88	3.31	2.9000	1.50
3F3N33H2D3H6	12.00	3	240	1	29	32.38	3.31	2.9000	1.50
3F3N33H4D3H6	12.00	3	480	1	14	32.38	3.31	2.9000	1.50
3F3N40H2D3H6	15.00	3	240	1	36	39.88	3.31	2.9000	1.50

600# 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>
8F18N52H4D3H6	108.00	18	480	3	130	50.44	4.38	7.6250	2.44
8F24N52H4D3H6	144.00	24	480	4	173	50.44	4.38	7.6250	2.44
8F18N61H4D3H6	150.00	18	480	6	180	59.94	4.38	7.6250	2.44
8F18N68H4D3H6	150.00	18	480	6	180	66.94	11.38	7.6250	2.44
8F18N80H4D3H6	199.50	18	480	6	240	77.44	9.38	7.6250	2.44
8F24N61H4D3H6	200.00	24	480	8	241	59.94	4.38	7.6250	2.44
8F24N68H4D3H6	200.00	24	480	8	241	66.94	11.38	7.6250	2.44
8F18N88H4D3H6	225.00	18	480	6	271	87.44	4.38	7.6250	2.44
8F18N95H4D3H6	225.00	18	480	6	271	94.44	11.38	7.6250	2.44
8F24N80H4D3H6	266.00	24	480	8	320	77.44	9.38	7.6250	2.44
8F24N88H4D3H6	300.00	24	480	8	361	87.44	4.38	7.6250	2.44
8F24N95H4D3H6	300.00	24	480	8	361	94.44	11.38	7.6250	2.44

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>
10F30N52H4D3H6	180.00	30	480	5	217	50.13	4.06	9.7500	2.75
10F36N52H4D3H6	216.00	36	480	6	260	50.13	4.06	9.7500	2.75
10F30N61H4D3H6	250.00	30	480	10	301	59.63	4.06	9.7500	2.75
10F30N68H4D3H6	250.00	30	480	10	301	66.63	11.06	9.7500	2.75
10F36N61H4D3H6	300.00	36	480	12	361	59.63	4.06	9.7500	2.75
10F36N68H4D3H6	300.00	36	480	12	361	66.63	11.06	9.7500	2.75
10F30N80H4D3H6	333.00	30	480	10	401	77.13	9.06	9.7500	2.75
10F30N88H4D3H6	375.00	30	480	10	451	87.13	4.06	9.7500	2.75
10F30N95H4D3H6	375.00	30	480	10	451	94.13	11.06	9.7500	2.75
10F36N80H4D3H6	399.50	36	480	12	481	77.13	9.06	9.7500	2.75
10F36N88H4D3H6	450.00	36	480	12	541	87.13	4.06	9.7500	2.75
10F36N95H4D3H6	450.00	36	480	12	541	94.13	11.06	9.7500	2.75

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>
12F48N52H4D3H6	288.00	48	480	8	346	50.00	3.94	11.7500	2.88
12F48N61H4D3H6	400.00	48	480	16	481	59.50	3.94	11.7500	2.88
12F48N68H4D3H6	400.00	48	480	16	481	66.50	10.94	11.7500	2.88
12F48N80H4D3H6	533.00	48	480	16	641	77.00	8.94	11.7500	2.88
12F54N80H4D3H6	599.00	54	480	18	721	77.00	8.94	11.7500	2.88
12F48N88H4D3H6	600.00	48	480	16	722	87.00	3.94	11.7500	2.88
12F48N95H4D3H6	600.00	48	480	16	722	94.00	10.94	11.7500	2.88
12F54N88H4D3H6	675.00	54	480	18	812	87.00	3.94	11.7500	2.88
12F54N95H4D3H6	675.00	54	480	18	812	94.00	10.94	11.7500	2.88

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>
14F54N80H4D3H6	599.00	54	480	18	721	76.88	8.81	13.0000	3.00
14F60N80H4D3H6	666.00	60	480	20	801	76.88	8.81	13.0000	3.00
14F54N88H4D3H6	675.00	54	480	18	812	86.88	3.81	13.0000	3.00
14F54N95H4D3H6	675.00	54	480	18	812	93.88	10.81	13.0000	3.00
14F60N88H4D3H6	750.00	60	480	20	902	86.88	3.81	13.0000	3.00
14F60N95H4D3H6	750.00	60	480	20	902	93.88	10.81	13.0000	3.00
14F72N80H4D3H6	799.00	72	480	24	961	76.88	8.81	13.0000	3.00
14F72N88H4D3H6	900.00	72	480	24	1,083	86.88	3.81	13.0000	3.00
14F72N95H4D3H6	900.00	72	480	24	1,083	93.88	10.81	13.0000	3.00

600# Flanged Immersion Heaters - Type IF

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>
16F84N80H4D3H6	932.00	84	480	28	1,121	76.63	8.56	15.0000	3.25
16F90N80H4D3H6	999.00	90	480	30	1,202	76.63	8.56	15.0000	3.25
16F84N88H4D3H6	1,050.00	84	480	28	1,263	86.63	3.56	15.0000	3.25
16F84N95H4D3H6	1,050.00	84	480	28	1,263	93.63	10.56	15.0000	3.25
16F96N80H4D3H6	1,066.00	96	480	32	1,282	76.63	8.56	15.0000	3.25
16F90N88H4D3H6	1,125.00	90	480	30	1,353	86.63	3.56	15.0000	3.25
16F90N95H4D3H6	1,125.00	90	480	30	1,353	93.63	10.56	15.0000	3.25
16F96N88H4D3H6	1,200.00	96	480	32	1,443	86.63	3.56	15.0000	3.25
16F96N95H4D3H6	1,200.00	96	480	32	1,443	93.63	10.56	15.0000	3.25

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>
18F108N88H4D3H6	1,350.00	108	480	36	1,624	86.38	3.31	17.0000	3.50
18F108N95H4D3H6	1,350.00	108	480	36	1,624	93.38	10.31	17.0000	3.50

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>
20F120N88H4D3H6	1,500.00	120	480	40	1,804	86.13	3.06	19.0000	3.75
20F120N95H4D3H6	1,500.00	120	480	40	1,804	93.13	10.06	19.0000	3.75
20F126N88H4D3H6	1,575.00	126	480	42	1,894	86.13	3.06	19.0000	3.75
20F126N95H4D3H6	1,575.00	126	480	42	1,894	93.13	10.06	19.0000	3.75
20F132N88H4D3H6	1,650.00	132	480	44	1,985	86.13	3.06	19.0000	3.75
20F132N95H4D3H6	1,650.00	132	480	44	1,985	93.13	10.06	19.0000	3.75
20F144N88H4D3H6	1,800.00	144	480	48	2,165	86.13	3.06	19.0000	3.75
20F144N95H4D3H6	1,800.00	144	480	48	2,165	93.13	10.06	19.0000	3.75
20F162N88H4D3H6	2,025.00	162	480	54	2,436	86.13	3.06	19.0000	3.75
20F162N95H4D3H6	2,025.00	162	480	54	2,436	93.13	10.06	19.0000	3.75
20F180N88H4D3H6	2,250.00	180	480	60	2,706	86.13	3.06	19.0000	3.75
20F180N95H4D3H6	2,250.00	180	480	60	2,706	93.13	10.06	19.0000	3.75

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>
24F192N95H4D3H6	2,400.00	192	480	64	2,887	92.63	9.56	23.0000	4.25
24F216N95H4D3H6	2,700.00	216	480	72	3,248	92.63	9.56	23.0000	4.25
24F234N95H4D3H6	2,925.00	234	480	78	3,518	92.63	9.56	23.0000	4.25
24F240N95H4D3H6	3,000.00	240	480	80	3,609	92.63	9.56	23.0000	4.25

35 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>
3F3N48F4D3H6	10.00	3	480	1	12	46.38	13.31	2.9000	1.50
3F3N61F4D3H6	15.00	3	480	1	18	59.38	13.31	2.9000	1.50
3F3N77F4D3H6	20.00	3	480	1	24	75.38	13.31	2.9000	1.50
3F3N84F4D3H6	20.00	3	240	1	48	83.88	16.31	2.9000	1.50
3F3N93F4D3H6	25.00	3	480	1	30	91.38	13.31	2.9000	1.50
3F3N120F4D3H6	30.00	3	480	1	36	118.38	13.31	2.9000	1.50
3F3N144F4D3H6	40.00	3	480	1	48	142.38	13.31	2.9000	1.50

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>
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600# Flanged Immersion Heaters - Type IF

4F6N48F4D3H6	20.00	6	480	1	24	46.13	13.06	3.8260	1.75
4F6N61F4D3H6	30.00	6	480	1	36	59.13	13.06	3.8260	1.75
4F6N77F4D3H6	40.00	6	480	1	48	75.13	13.06	3.8260	1.75
4F6N84F4D3H6	40.00	6	240	2	96	83.63	16.06	3.8260	1.75
4F6N93F4D3H6	50.00	6	480	2	60	91.13	13.06	3.8260	1.75
4F6N120F4D3H6	60.00	6	480	2	72	118.13	13.06	3.8260	1.75
4F6N144F4D3H6	80.00	6	480	2	96	142.13	13.06	3.8260	1.75

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>
5F9N48F4D3H6	30.00	9	480	1	36	45.88	12.81	4.8125	2.00
5F9N93F4D3H6	75.00	9	480	3	90	90.88	12.81	4.8125	2.00
5F9N120F4D3H6	90.00	9	480	3	108	117.88	12.81	4.8125	2.00
5F9N144F4D3H6	120.00	9	480	3	144	141.88	12.81	4.8125	2.00

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>
6F12N48F4D3H6	40.00	12	480	1	48	45.75	12.69	5.7610	2.13
6F12N61F4D3H6	60.00	12	480	2	72	58.75	12.69	5.7610	2.13
6F12N77F4D3H6	80.00	12	480	2	96	74.75	12.69	5.7610	2.13
6F12N93F4D3H6	100.00	12	480	4	120	90.75	12.69	5.7610	2.13
6F12N120F4D3H6	120.00	12	480	4	144	117.75	12.69	5.7610	2.13
6F15N93F4D3H6	125.00	15	480	5	150	90.75	12.69	5.7610	2.13
6F15N120F4D3H6	150.00	15	480	5	180	117.75	12.69	5.7610	2.13
6F12N144F4D3H6	160.00	12	480	4	192	141.75	12.69	5.7610	2.13
6F15N144F4D3H6	200.00	15	480	5	241	141.75	12.69	5.7610	2.13

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>
8F18N48F4D3H6	60.00	18	480	2	72	45.44	12.38	7.6250	2.44
8F24N48F4D3H6	80.00	24	480	2	96	45.44	12.38	7.6250	2.44
8F18N61F4D3H6	90.00	18	480	3	108	58.44	12.38	7.6250	2.44
8F24N61F4D3H6	120.00	24	480	4	144	58.44	12.38	7.6250	2.44
8F18N77F4D3H6	120.00	18	480	3	144	74.44	12.38	7.6250	2.44
8F18N93F4D3H6	150.00	18	480	6	180	90.44	12.38	7.6250	2.44
8F24N77F4D3H6	160.00	24	480	4	192	74.44	12.38	7.6250	2.44
8F18N120F4D3H6	180.00	18	480	6	217	117.44	12.38	7.6250	2.44
8F24N93F4D3H6	200.00	24	480	8	241	90.44	12.38	7.6250	2.44
8F24N120F4D3H6	240.00	24	480	8	289	117.44	12.38	7.6250	2.44
8F18N144F4D3H6	240.00	18	480	6	289	141.44	12.38	7.6250	2.44
8F24N144F4D3H6	320.00	24	480	8	385	141.44	12.38	7.6250	2.44

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>
10F30N48F4D3H6	100.00	30	480	5	120	46.63	15.06	9.7500	2.75
10F36N48F4D3H6	120.00	36	480	4	144	45.13	12.06	9.7500	2.75
10F30N61F4D3H6	150.00	30	480	5	180	58.13	12.06	9.7500	2.75
10F36N61F4D3H6	180.00	36	480	6	217	58.13	12.06	9.7500	2.75
10F30N77F4D3H6	200.00	30	480	5	241	74.13	12.06	9.7500	2.75
10F36N77F4D3H6	240.00	36	480	6	289	74.13	12.06	9.7500	2.75
10F30N93F4D3H6	250.00	30	480	10	301	90.13	12.06	9.7500	2.75
10F36N93F4D3H6	300.00	36	480	12	361	90.13	12.06	9.7500	2.75
10F30N120F4D3H6	300.00	30	480	10	361	117.13	12.06	9.7500	2.75

600# Flanged Immersion Heaters - Type IF

10F36N120F4D3H6	360.00	36	480	12	433	117.13	12.06	9.7500	2.75
10F30N144F4D3H6	400.00	30	480	10	481	141.13	12.06	9.7500	2.75
10F36N144F4D3H6	480.00	36	480	12	577	141.13	12.06	9.7500	2.75

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>
12F48N48F4D3H6	160.00	48	480	4	192	45.00	11.94	11.7500	2.88
12F54N48F4D3H6	180.00	54	480	6	217	45.00	11.94	11.7500	2.88
12F48N61F4D3H6	240.00	48	480	8	289	58.00	11.94	11.7500	2.88
12F54N61F4D3H6	270.00	54	480	9	325	58.00	11.94	11.7500	2.88
12F48N77F4D3H6	320.00	48	480	8	385	74.00	11.94	11.7500	2.88
12F54N77F4D3H6	360.00	54	480	9	433	74.00	11.94	11.7500	2.88
12F48N93F4D3H6	400.00	48	480	16	481	90.00	11.94	11.7500	2.88
12F54N93F4D3H6	450.00	54	480	18	541	90.00	11.94	11.7500	2.88
12F48N120F4D3H6	480.00	48	480	16	577	117.00	11.94	11.7500	2.88
12F54N120F4D3H6	540.00	54	480	18	650	117.00	11.94	11.7500	2.88
12F48N144F4D3H6	640.00	48	480	16	770	141.00	11.94	11.7500	2.88
12F54N144F4D3H6	720.00	54	480	18	866	141.00	11.94	11.7500	2.88

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>
14F54N48F4D3H6	180.00	54	480	6	217	44.88	11.81	13.0000	3.00
14F60N48F4D3H6	200.00	60	480	5	241	44.88	11.81	13.0000	3.00
14F72N48F4D3H6	240.00	72	480	6	289	44.88	11.81	13.0000	3.00
14F54N61F4D3H6	270.00	54	480	9	325	57.88	11.81	13.0000	3.00
14F60N61F4D3H6	300.00	60	480	10	361	57.88	11.81	13.0000	3.00
14F72N61F4D3H6	360.00	72	480	12	433	57.88	11.81	13.0000	3.00
14F54N77F4D3H6	360.00	54	480	9	433	73.88	11.81	13.0000	3.00
14F60N77F4D3H6	400.00	60	480	10	481	73.88	11.81	13.0000	3.00
14F54N93F4D3H6	450.00	54	480	18	541	89.88	11.81	13.0000	3.00
14F72N77F4D3H6	480.00	72	480	12	577	73.88	11.81	13.0000	3.00
14F60N93F4D3H6	500.00	60	480	20	601	89.88	11.81	13.0000	3.00
14F54N120F4D3H6	540.00	54	480	18	650	116.88	11.81	13.0000	3.00
14F72N93F4D3H6	600.00	72	480	24	722	89.88	11.81	13.0000	3.00
14F60N120F4D3H6	600.00	60	480	20	722	116.88	11.81	13.0000	3.00
14F72N120F4D3H6	720.00	72	480	24	866	116.88	11.81	13.0000	3.00
14F54N144F4D3H6	720.00	54	480	18	866	140.88	11.81	13.0000	3.00
14F60N144F4D3H6	800.00	60	480	20	962	140.88	11.81	13.0000	3.00
14F72N144F4D3H6	960.00	72	480	24	1,155	140.88	11.81	13.0000	3.00

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>
16F90N48F4D3H6	300.00	90	480	10	361	44.63	11.56	15.0000	3.25
16F96N48F4D3H6	320.00	96	480	8	385	44.63	11.56	15.0000	3.25
16F84N61F4D3H6	420.00	84	480	14	505	57.63	11.56	15.0000	3.25
16F90N61F4D3H6	450.00	90	480	15	541	57.63	11.56	15.0000	3.25
16F96N61F4D3H6	480.00	96	480	16	577	57.63	11.56	15.0000	3.25
16F84N77F4D3H6	560.00	84	480	14	674	73.63	11.56	15.0000	3.25
16F90N77F4D3H6	600.00	90	480	15	722	73.63	11.56	15.0000	3.25
16F96N77F4D3H6	640.00	96	480	16	770	73.63	11.56	15.0000	3.25
16F84N93F4D3H6	700.00	84	480	28	842	89.63	11.56	15.0000	3.25
16F90N93F4D3H6	750.00	90	480	30	902	89.63	11.56	15.0000	3.25
16F96N93F4D3H6	800.00	96	480	32	962	89.63	11.56	15.0000	3.25

600# Flanged Immersion Heaters - Type IF

16F84N120F4D3H6	840.00	84	480	28	1,010	116.63	11.56	15.0000	3.25
16F90N120F4D3H6	900.00	90	480	30	1,083	116.63	11.56	15.0000	3.25
16F96N120F4D3H6	960.00	96	480	32	1,155	116.63	11.56	15.0000	3.25
16F84N144F4D3H6	1,120.00	84	480	28	1,347	140.63	11.56	15.0000	3.25
16F90N144F4D3H6	1,200.00	90	480	30	1,443	140.63	11.56	15.0000	3.25
16F96N144F4D3H6	1,280.00	96	480	32	1,540	140.63	11.56	15.0000	3.25

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>
18F108N48F4D3H6	360.00	108	480	12	433	44.38	11.31	17.0000	3.50
18F108N61F4D3H6	540.00	108	480	18	650	57.38	11.31	17.0000	3.50
18F108N77F4D3H6	720.00	108	480	18	866	73.38	11.31	17.0000	3.50
18F108N93F4D3H6	900.00	108	480	36	1,083	89.38	11.31	17.0000	3.50
18F108N120F4D3H6	1,080.00	108	480	36	1,299	116.38	11.31	17.0000	3.50
18F108N144F4D3H6	1,440.00	108	480	36	1,732	140.38	11.31	17.0000	3.50

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>
20F120N48F4D3H6	400.00	120	480	10	481	44.13	11.06	19.0000	3.75
20F126N48F4D3H6	420.00	126	480	14	505	44.13	11.06	19.0000	3.75
20F144N48F4D3H6	480.00	144	480	12	577	44.13	11.06	19.0000	3.75
20F162N48F4D3H6	540.00	162	480	18	650	44.13	11.06	19.0000	3.75
20F180N48F4D3H6	600.00	180	480	15	722	44.13	11.06	19.0000	3.75
20F120N61F4D3H6	600.00	120	480	20	722	57.13	11.06	19.0000	3.75
20F132N61F4D3H6	660.00	132	480	22	794	57.13	11.06	19.0000	3.75
20F144N61F4D3H6	720.00	144	480	24	866	57.13	11.06	19.0000	3.75
20F120N77F4D3H6	800.00	120	480	20	962	73.13	11.06	19.0000	3.75
20F132N77F4D3H6	880.00	132	480	22	1,059	73.13	11.06	19.0000	3.75
20F180N61F4D3H6	900.00	180	480	30	1,083	57.13	11.06	19.0000	3.75
20F144N77F4D3H6	960.00	144	480	24	1,155	73.13	11.06	19.0000	3.75
20F120N93F4D3H6	1,000.00	120	480	40	1,203	89.13	11.06	19.0000	3.75
20F126N93F4D3H6	1,050.00	126	480	42	1,263	89.13	11.06	19.0000	3.75
20F132N93F4D3H6	1,100.00	132	480	44	1,323	89.13	11.06	19.0000	3.75
20F180N77F4D3H6	1,200.00	180	480	30	1,443	73.13	11.06	19.0000	3.75
20F144N93F4D3H6	1,200.00	144	480	48	1,443	89.13	11.06	19.0000	3.75
20F120N120F4D3H6	1,200.00	120	480	40	1,443	116.13	11.06	19.0000	3.75
20F126N120F4D3H6	1,260.00	126	480	42	1,516	116.13	11.06	19.0000	3.75
20F132N120F4D3H6	1,320.00	132	480	44	1,588	116.13	11.06	19.0000	3.75
20F162N93F4D3H6	1,350.00	162	480	54	1,624	89.13	11.06	19.0000	3.75
20F144N120F4D3H6	1,440.00	144	480	48	1,732	116.13	11.06	19.0000	3.75
20F180N93F4D3H6	1,500.00	180	480	60	1,804	89.13	11.06	19.0000	3.75
20F120N144F4D3H6	1,600.00	120	480	40	1,925	140.13	11.06	19.0000	3.75
20F162N120F4D3H6	1,620.00	162	480	54	1,949	116.13	11.06	19.0000	3.75
20F126N144F4D3H6	1,680.00	126	480	42	2,021	140.13	11.06	19.0000	3.75
20F132N144F4D3H6	1,760.00	132	480	44	2,117	140.13	11.06	19.0000	3.75
20F180N120F4D3H6	1,800.00	180	480	60	2,165	116.13	11.06	19.0000	3.75
20F144N144F4D3H6	1,920.00	144	480	48	2,309	140.13	11.06	19.0000	3.75
20F162N144F4D3H6	2,160.00	162	480	54	2,598	140.13	11.06	19.0000	3.75
20F180N144F4D3H6	2,400.00	180	480	60	2,887	140.13	11.06	19.0000	3.75

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>
24F192N48F4D3H6	640.00	192	480	16	770	43.63	10.56	23.0000	4.25

600# Flanged Immersion Heaters - Type IF

24F216N48F4D3H6	720.00	216	480	18	866	43.63	10.56	23.0000	4.25
24F234N48F4D3H6	780.00	234	480	26	938	43.63	10.56	23.0000	4.25
24F240N48F4D3H6	800.00	240	480	20	962	43.63	10.56	23.0000	4.25
24F192N61F4D3H6	960.00	192	480	32	1,155	56.63	10.56	23.0000	4.25
24F216N61F4D3H6	1,080.00	216	480	36	1,299	56.63	10.56	23.0000	4.25
24F240N61F4D3H6	1,200.00	240	480	40	1,443	56.63	10.56	23.0000	4.25
24F192N77F4D3H6	1,280.00	192	480	32	1,540	72.63	10.56	23.0000	4.25
24F216N77F4D3H6	1,440.00	216	480	36	1,732	72.63	10.56	23.0000	4.25
24F240N77F4D3H6	1,600.00	240	480	40	1,925	72.63	10.56	23.0000	4.25
24F192N93F4D3H6	1,600.00	192	480	64	1,925	88.63	10.56	23.0000	4.25
24F216N93F4D3H6	1,800.00	216	480	72	2,165	88.63	10.56	23.0000	4.25
24F192N120F4D3H6	1,920.00	192	480	64	2,309	115.63	10.56	23.0000	4.25
24F234N93F4D3H6	1,950.00	234	480	78	2,346	88.63	10.56	23.0000	4.25
24F240N93F4D3H6	2,000.00	240	480	80	2,406	88.63	10.56	23.0000	4.25
24F216N120F4D3H6	2,160.00	216	480	72	2,598	115.63	10.56	23.0000	4.25
24F234N120F4D3H6	2,340.00	234	480	78	2,815	115.63	10.56	23.0000	4.25
24F240N120F4D3H6	2,400.00	240	480	80	2,887	115.63	10.56	23.0000	4.25
24F192N144F4D3H6	2,560.00	192	480	64	3,079	139.63	10.56	23.0000	4.25
24F216N144F4D3H6	2,880.00	216	480	72	3,464	139.63	10.56	23.0000	4.25
24F234N144F4D3H6	3,120.00	234	480	78	3,753	139.63	10.56	23.0000	4.25
24F240N144F4D3H6	3,200.00	240	480	80	3,849	139.63	10.56	23.0000	4.25

30 Watts/Sq. Inch

3 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
3F3N44G4D3H6	9.00	3	480	1	11	43.88	10.31	2.9000	1.50
3F3N56G4D3H6	12.00	3	480	1	14	55.88	10.31	2.9000	1.50
3F3N67G4D3H6	15.00	3	480	1	18	66.88	10.31	2.9000	1.50
3F3N80G4D3H6	18.00	3	480	1	22	79.88	12.31	2.9000	1.50
3F3N100G4D3H6	22.50	3	480	1	27	99.88	12.31	2.9000	1.50
3F3N120G4D3H6	28.50	3	480	1	34	119.88	12.31	2.9000	1.50
3F3N140G4D3H6	33.00	3	480	1	40	139.88	16.31	2.9000	1.50
3F3N160G4D3H6	39.00	3	480	1	47	159.88	16.31	2.9000	1.50

4 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
4F6N44G4D3H6	18.00	6	480	1	22	43.63	10.06	3.8260	1.75
4F6N56G4D3H6	24.00	6	480	1	29	55.63	10.06	3.8260	1.75
4F6N67G4D3H6	30.00	6	480	1	36	66.63	10.06	3.8260	1.75
4F6N80G4D3H6	36.00	6	480	1	43	79.63	12.06	3.8260	1.75
4F6N100G4D3H6	45.00	6	480	2	54	99.63	12.06	3.8260	1.75
4F6N120G4D3H6	57.00	6	480	2	69	119.63	12.06	3.8260	1.75
4F6N140G4D3H6	66.00	6	480	2	79	139.63	16.06	3.8260	1.75
4F6N160G4D3H6	78.00	6	480	2	94	159.63	16.06	3.8260	1.75

5 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
5F9N44G4D3H6	27.00	9	480	1	32	43.38	9.81	4.8125	2.00
5F9N56G4D3H6	36.00	9	480	1	43	55.38	9.81	4.8125	2.00
5F9N100G4D3H6	67.50	9	480	3	81	99.38	11.81	4.8125	2.00
5F9N120G4D3H6	85.50	9	480	3	103	119.38	11.81	4.8125	2.00
5F9N140G4D3H6	99.00	9	480	3	119	139.38	15.81	4.8125	2.00
5F9N160G4D3H6	117.00	9	480	3	141	159.38	15.81	4.8125	2.00

600# 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>
6F12N44G4D3H6	36.00	12	480	1	43	43.25	9.69	5.7610	2.13
6F12N56G4D3H6	48.00	12	480	2	58	55.25	9.69	5.7610	2.13
6F12N67G4D3H6	60.00	12	480	2	72	66.25	9.69	5.7610	2.13
6F12N80G4D3H6	72.00	12	480	2	87	79.25	11.69	5.7610	2.13
6F12N100G4D3H6	90.00	12	480	4	108	99.25	11.69	5.7610	2.13
6F15N100G4D3H6	112.50	15	480	5	135	99.25	11.69	5.7610	2.13
6F12N120G4D3H6	114.00	12	480	4	137	119.25	11.69	5.7610	2.13
6F12N140G4D3H6	132.00	12	480	4	159	139.25	15.69	5.7610	2.13
6F15N120G4D3H6	142.50	15	480	5	171	119.25	11.69	5.7610	2.13
6F12N160G4D3H6	156.00	12	480	4	188	159.25	15.69	5.7610	2.13
6F15N140G4D3H6	165.00	15	480	5	198	139.25	15.69	5.7610	2.13
6F15N160G4D3H6	195.00	15	480	5	235	159.25	15.69	5.7610	2.13

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>
8F18N44G4D3H6	54.00	18	480	2	65	42.94	9.38	7.6250	2.44
8F24N44G4D3H6	72.00	24	480	2	87	42.94	9.38	7.6250	2.44
8F18N56G4D3H6	72.00	18	480	2	87	54.94	9.38	7.6250	2.44
8F18N67G4D3H6	90.00	18	480	3	108	65.94	9.38	7.6250	2.44
8F24N56G4D3H6	96.00	24	480	4	115	54.94	9.38	7.6250	2.44
8F18N80G4D3H6	108.00	18	480	3	130	78.94	11.38	7.6250	2.44
8F24N67G4D3H6	120.00	24	480	4	144	65.94	9.38	7.6250	2.44
8F18N100G4D3H6	135.00	18	480	6	162	98.94	11.38	7.6250	2.44
8F24N80G4D3H6	144.00	24	480	4	173	78.94	11.38	7.6250	2.44
8F18N120G4D3H6	171.00	18	480	6	206	118.94	11.38	7.6250	2.44
8F24N100G4D3H6	180.00	24	480	8	217	98.94	11.38	7.6250	2.44
8F18N140G4D3H6	198.00	18	480	6	238	138.94	15.38	7.6250	2.44
8F24N120G4D3H6	228.00	24	480	8	274	118.94	11.38	7.6250	2.44
8F18N160G4D3H6	234.00	18	480	6	281	158.94	15.38	7.6250	2.44
8F24N140G4D3H6	264.00	24	480	8	318	138.94	15.38	7.6250	2.44
8F24N160G4D3H6	312.00	24	480	8	375	158.94	15.38	7.6250	2.44

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>
10F36N44G4D3H6	108.00	36	480	3	130	42.63	9.06	9.7500	2.75
10F30N56G4D3H6	120.00	30	480	5	144	54.63	9.06	9.7500	2.75
10F36N56G4D3H6	144.00	36	480	4	173	54.63	9.06	9.7500	2.75
10F30N67G4D3H6	150.00	30	480	5	180	65.63	9.06	9.7500	2.75
10F36N67G4D3H6	180.00	36	480	6	217	65.63	9.06	9.7500	2.75
10F30N80G4D3H6	180.00	30	480	5	217	78.63	11.06	9.7500	2.75
10F36N80G4D3H6	216.00	36	480	6	260	78.63	11.06	9.7500	2.75
10F30N100G4D3H6	225.00	30	480	10	271	98.63	11.06	9.7500	2.75
10F36N100G4D3H6	270.00	36	480	12	325	98.63	11.06	9.7500	2.75
10F30N120G4D3H6	285.00	30	480	10	343	118.63	11.06	9.7500	2.75
10F30N140G4D3H6	330.00	30	480	10	397	138.63	15.06	9.7500	2.75
10F36N120G4D3H6	342.00	36	480	12	411	118.63	11.06	9.7500	2.75
10F30N160G4D3H6	390.00	30	480	10	469	158.63	15.06	9.7500	2.75
10F36N140G4D3H6	396.00	36	480	12	476	138.63	15.06	9.7500	2.75
10F36N160G4D3H6	468.00	36	480	12	563	158.63	15.06	9.7500	2.75

12 Inch Heaters

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600# 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>
12F48N44G4D3H6	144.00	48	480	4	173	42.50	8.94	11.7500	2.88
12F48N56G4D3H6	192.00	48	480	8	231	54.50	8.94	11.7500	2.88
12F48N67G4D3H6	240.00	48	480	8	289	65.50	8.94	11.7500	2.88
12F48N80G4D3H6	288.00	48	480	8	346	78.50	10.94	11.7500	2.88
12F54N80G4D3H6	324.00	54	480	9	390	78.50	10.94	11.7500	2.88
12F48N100G4D3H6	360.00	48	480	16	433	98.50	10.94	11.7500	2.88
12F54N100G4D3H6	405.00	54	480	18	487	98.50	10.94	11.7500	2.88
12F48N120G4D3H6	456.00	48	480	16	548	118.50	10.94	11.7500	2.88
12F54N120G4D3H6	513.00	54	480	18	617	118.50	10.94	11.7500	2.88
12F48N140G4D3H6	528.00	48	480	16	635	138.50	14.94	11.7500	2.88
12F54N140G4D3H6	594.00	54	480	18	714	138.50	14.94	11.7500	2.88
12F48N160G4D3H6	624.00	48	480	16	751	158.50	14.94	11.7500	2.88
12F54N160G4D3H6	702.00	54	480	18	844	158.50	14.94	11.7500	2.88

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>
14F54N80G4D3H6	324.00	54	480	9	390	78.38	10.81	13.0000	3.00
14F60N80G4D3H6	360.00	60	480	10	433	78.38	10.81	13.0000	3.00
14F54N100G4D3H6	405.00	54	480	18	487	98.38	10.81	13.0000	3.00
14F72N80G4D3H6	432.00	72	480	12	520	78.38	10.81	13.0000	3.00
14F60N100G4D3H6	450.00	60	480	20	541	98.38	10.81	13.0000	3.00
14F54N120G4D3H6	513.00	54	480	18	617	118.38	10.81	13.0000	3.00
14F72N100G4D3H6	540.00	72	480	24	650	98.38	10.81	13.0000	3.00
14F60N120G4D3H6	570.00	60	480	20	686	118.38	10.81	13.0000	3.00
14F54N140G4D3H6	594.00	54	480	18	714	138.38	14.81	13.0000	3.00
14F60N140G4D3H6	660.00	60	480	20	794	138.38	14.81	13.0000	3.00
14F72N120G4D3H6	684.00	72	480	24	823	118.38	10.81	13.0000	3.00
14F54N160G4D3H6	702.00	54	480	18	844	158.38	14.81	13.0000	3.00
14F60N160G4D3H6	780.00	60	480	20	938	158.38	14.81	13.0000	3.00
14F72N140G4D3H6	792.00	72	480	24	953	138.38	14.81	13.0000	3.00
14F72N160G4D3H6	936.00	72	480	24	1,126	158.38	14.81	13.0000	3.00

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>
16F84N80G4D3H6	504.00	84	480	14	606	78.13	10.56	15.0000	3.25
16F90N80G4D3H6	540.00	90	480	15	650	78.13	10.56	15.0000	3.25
16F96N80G4D3H6	576.00	96	480	16	693	78.13	10.56	15.0000	3.25
16F84N100G4D3H6	630.00	84	480	28	758	98.13	10.56	15.0000	3.25
16F90N100G4D3H6	675.00	90	480	30	812	98.13	10.56	15.0000	3.25
16F96N100G4D3H6	720.00	96	480	32	866	98.13	10.56	15.0000	3.25
16F84N120G4D3H6	798.00	84	480	28	960	118.13	10.56	15.0000	3.25
16F90N120G4D3H6	855.00	90	480	30	1,028	118.13	10.56	15.0000	3.25
16F96N120G4D3H6	912.00	96	480	32	1,097	118.13	10.56	15.0000	3.25
16F84N140G4D3H6	924.00	84	480	28	1,111	138.13	14.56	15.0000	3.25
16F90N140G4D3H6	990.00	90	480	30	1,191	138.13	14.56	15.0000	3.25
16F96N140G4D3H6	1,056.00	96	480	32	1,270	138.13	14.56	15.0000	3.25
16F84N160G4D3H6	1,092.00	84	480	28	1,314	158.13	14.56	15.0000	3.25
16F90N160G4D3H6	1,170.00	90	480	30	1,407	158.13	14.56	15.0000	3.25
16F96N160G4D3H6	1,248.00	96	480	32	1,501	158.13	14.56	15.0000	3.25

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>
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600# Flanged Immersion Heaters - Type IF

18F108N100G4D3H6	810.00	108	480	36	974	97.88	10.31	17.0000	3.50
18F108N120G4D3H6	1,026.00	108	480	36	1,234	117.88	10.31	17.0000	3.50
18F108N140G4D3H6	1,188.00	108	480	36	1,429	137.88	14.31	17.0000	3.50
18F108N160G4D3H6	1,404.00	108	480	36	1,689	157.88	14.31	17.0000	3.50

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>
20F120N100G4D3H6	900.00	120	480	40	1,083	97.63	10.06	19.0000	3.75
20F126N100G4D3H6	945.00	126	480	42	1,137	97.63	10.06	19.0000	3.75
20F132N100G4D3H6	990.00	132	480	44	1,191	97.63	10.06	19.0000	3.75
20F144N100G4D3H6	1,080.00	144	480	48	1,299	97.63	10.06	19.0000	3.75
20F120N120G4D3H6	1,140.00	120	480	40	1,371	117.63	10.06	19.0000	3.75
20F126N120G4D3H6	1,197.00	126	480	42	1,440	117.63	10.06	19.0000	3.75
20F162N100G4D3H6	1,215.00	162	480	54	1,461	97.63	10.06	19.0000	3.75
20F132N120G4D3H6	1,254.00	132	480	44	1,508	117.63	10.06	19.0000	3.75
20F120N140G4D3H6	1,320.00	120	480	40	1,588	137.63	14.06	19.0000	3.75
20F180N100G4D3H6	1,350.00	180	480	60	1,624	97.63	10.06	19.0000	3.75
20F144N120G4D3H6	1,368.00	144	480	48	1,645	117.63	10.06	19.0000	3.75
20F126N140G4D3H6	1,386.00	126	480	42	1,667	137.63	14.06	19.0000	3.75
20F132N140G4D3H6	1,452.00	132	480	44	1,747	137.63	14.06	19.0000	3.75
20F162N120G4D3H6	1,539.00	162	480	54	1,851	117.63	10.06	19.0000	3.75
20F120N160G4D3H6	1,560.00	120	480	40	1,876	157.63	14.06	19.0000	3.75
20F144N140G4D3H6	1,584.00	144	480	48	1,905	137.63	14.06	19.0000	3.75
20F126N160G4D3H6	1,638.00	126	480	42	1,970	157.63	14.06	19.0000	3.75
20F180N120G4D3H6	1,710.00	180	480	60	2,057	117.63	10.06	19.0000	3.75
20F132N160G4D3H6	1,716.00	132	480	44	2,064	157.63	14.06	19.0000	3.75
20F162N140G4D3H6	1,782.00	162	480	54	2,143	137.63	14.06	19.0000	3.75
20F144N160G4D3H6	1,872.00	144	480	48	2,252	157.63	14.06	19.0000	3.75
20F180N140G4D3H6	1,980.00	180	480	60	2,382	137.63	14.06	19.0000	3.75
20F162N160G4D3H6	2,106.00	162	480	54	2,533	157.63	14.06	19.0000	3.75
20F180N160G4D3H6	2,340.00	180	480	60	2,815	157.63	14.06	19.0000	3.75

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>
24F192N100G4D3H6	1,440.00	192	480	64	1,732	97.13	9.56	23.0000	4.25
24F216N100G4D3H6	1,620.00	216	480	72	1,949	97.13	9.56	23.0000	4.25
24F234N100G4D3H6	1,755.00	234	480	78	2,111	97.13	9.56	23.0000	4.25
24F240N100G4D3H6	1,800.00	240	480	80	2,165	97.13	9.56	23.0000	4.25
24F192N120G4D3H6	1,824.00	192	480	64	2,194	117.13	9.56	23.0000	4.25
24F216N120G4D3H6	2,052.00	216	480	72	2,468	117.13	9.56	23.0000	4.25
24F192N140G4D3H6	2,112.00	192	480	64	2,540	137.13	13.56	23.0000	4.25
24F234N120G4D3H6	2,223.00	234	480	78	2,674	117.13	9.56	23.0000	4.25
24F240N120G4D3H6	2,280.00	240	480	80	2,742	117.13	9.56	23.0000	4.25
24F216N140G4D3H6	2,376.00	216	480	72	2,858	137.13	13.56	23.0000	4.25
24F192N160G4D3H6	2,496.00	192	480	64	3,002	157.13	13.56	23.0000	4.25
24F234N140G4D3H6	2,574.00	234	480	78	3,096	137.13	13.56	23.0000	4.25
24F240N140G4D3H6	2,640.00	240	480	80	3,176	137.13	13.56	23.0000	4.25
24F216N160G4D3H6	2,808.00	216	480	72	3,378	157.13	13.56	23.0000	4.25
24F234N160G4D3H6	3,042.00	234	480	78	3,659	157.13	13.56	23.0000	4.25
24F240N160G4D3H6	3,120.00	240	480	80	3,753	157.13	13.56	23.0000	4.25

23 Watts/Sq. Inch

3 Inch Heaters

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600# 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>
3F3N10M2D3H6	1.50	3	240	1	4	9.88	3.31	2.9000	1.50
3F3N13M4D3H6	2.25	3	480	1	3	12.88	3.31	2.9000	1.50
3F3N13M1D3H6	2.25	3	120	1	11	12.88	3.31	2.9000	1.50
3F3N13M2D3H6	2.25	3	120	1	11	12.88	3.31	2.9000	1.50
3F3N18M2D3H6	3.00	3	240	1	7	17.38	3.31	2.9000	1.50
3F3N18M4D3H6	3.00	3	480	1	4	17.38	3.31	2.9000	1.50
3F3N20M2D3H6	3.75	3	240	1	9	19.38	3.31	2.9000	1.50
3F3N20M4D3H6	3.75	3	480	1	5	19.88	3.31	2.9000	1.50
3F3N25M4D3H6	4.50	3	480	1	5	24.88	3.31	2.9000	1.50
3F3N25M1D3H6	4.50	3	120	1	22	24.88	3.31	2.9000	1.50
3F3N25M2D3H6	4.50	3	240	1	11	24.88	3.31	2.9000	1.50
3F3N33M4D3H6	6.00	3	480	1	7	32.38	3.31	2.9000	1.50
3F3N40M4D3H6	7.50	3	480	1	9	39.88	3.31	2.9000	1.50
3F3N40M2D3H6	7.50	3	240	1	18	39.88	3.31	2.9000	1.50
3F3N48M4D3H6	9.00	3	480	1	11	47.38	3.31	2.9000	1.50
3F3N52M2D3H6	10.00	3	240	1	24	51.38	5.31	2.9000	1.50
3F3N52M4D3H6	10.00	3	480	1	12	51.38	5.31	2.9000	1.50
3F3N59M4D3H6	10.00	3	480	1	12	57.38	12.31	2.9000	1.50
3F3N64M2D3H6	12.75	3	240	1	31	63.88	5.31	2.9000	1.50
3F3N64M4D3H6	12.75	3	480	1	15	63.88	5.31	2.9000	1.50
3F3N73M4D3H6	12.75	3	480	1	15	71.38	16.31	2.9000	1.50
3F3N77M4D3H6	15.00	3	480	1	18	76.38	5.31	2.9000	1.50
3F3N77M2D3H6	15.00	3	240	1	36	76.38	5.31	2.9000	1.50
3F3N88M4D3H6	16.75	3	480	1	20	88.38	5.31	2.9000	1.50
3F3N95M4D3H6	16.75	3	480	1	20	93.38	12.31	2.9000	1.50
3F3N106M4D3H6	18.75	3	480	1	23	105.88	12.31	2.9000	1.50
3F3N120M4D3H6	23.25	3	480	1	28	119.88	12.31	2.9000	1.50
3F3N140M4D3H6	26.25	3	480	1	32	139.88	16.31	2.9000	1.50
3F3N160M4D3H6	30.00	3	480	1	36	159.88	16.31	2.9000	1.50

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>
4F6N10M2D3H6	3.00	6	240	1	7	9.63	3.06	3.8260	1.75
4F6N13M1D3H6	4.50	6	120	1	22	12.63	3.06	3.8260	1.75
4F6N13M2D3H6	4.50	6	120	1	22	12.63	3.06	3.8260	1.75
4F6N13M4D3H6	4.50	6	480	1	5	12.63	3.06	3.8260	1.75
4F6N18M2D3H6	6.00	6	240	1	14	17.13	3.06	3.8260	1.75
4F6N18M4D3H6	6.00	6	480	1	7	17.13	3.06	3.8260	1.75
4F6N20M2D3H6	7.50	6	240	1	18	19.13	3.06	3.8260	1.75
4F6N20M4D3H6	7.50	6	480	1	9	19.63	3.06	3.8260	1.75
4F6N25M2D3H6	9.00	6	240	1	22	24.63	3.06	3.8260	1.75
4F6N25M4D3H6	9.00	6	480	1	11	24.63	3.06	3.8260	1.75
4F6N33M4D3H6	12.00	6	480	1	14	32.13	3.06	3.8260	1.75
4F6N40M2D3H6	15.00	6	240	1	36	39.63	3.06	3.8260	1.75
4F6N40M4D3H6	15.00	6	480	1	18	39.63	3.06	3.8260	1.75
4F6N48M4D3H6	18.00	6	480	1	22	47.13	3.06	3.8260	1.75
4F6N52M2D3H6	20.00	6	240	1	48	51.13	5.06	3.8260	1.75
4F6N52M4D3H6	20.00	6	480	1	24	51.13	5.06	3.8260	1.75
4F6N59M4D3H6	20.00	6	480	1	24	57.13	12.06	3.8260	1.75
4F6N64M4D3H6	25.50	6	480	1	31	63.63	5.06	3.8260	1.75
4F6N64M2D3H6	25.50	6	240	2	61	63.63	5.06	3.8260	1.75
4F6N73M4D3H6	25.50	6	480	1	31	71.13	16.06	3.8260	1.75
4F6N77M2D3H6	30.00	6	240	2	72	76.13	5.06	3.8260	1.75

600# Flanged Immersion Heaters - Type IF

4F6N77M4D3H6	30.00	6	480	1	36	76.13	5.06	3.8260	1.75
4F6N88M4D3H6	33.50	6	480	1	40	88.13	5.06	3.8260	1.75
4F6N95M4D3H6	33.50	6	480	1	40	93.13	12.06	3.8260	1.75
4F6N106M4D3H6	37.75	6	480	1	45	105.63	12.06	3.8260	1.75
4F6N120M4D3H6	46.75	6	480	2	56	119.63	12.06	3.8260	1.75
4F6N140M4D3H6	52.50	6	480	2	63	139.63	16.06	3.8260	1.75
4F6N160M4D3H6	60.00	6	480	2	72	159.63	16.06	3.8260	1.75

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>
5F9N52M4D3H6	30.00	9	480	1	36	50.88	4.81	4.8125	2.00
5F9N59M4D3H6	30.00	9	480	1	36	56.88	11.81	4.8125	2.00
5F9N64M4D3H6	38.25	9	480	1	46	63.38	4.81	4.8125	2.00
5F9N73M4D3H6	38.25	9	480	1	46	70.88	15.81	4.8125	2.00
5F9N120M4D3H6	70.00	9	480	3	84	119.38	11.81	4.8125	2.00
5F9N140M4D3H6	78.75	9	480	3	95	139.38	15.81	4.8125	2.00
5F9N160M4D3H6	90.00	9	480	3	108	159.38	15.81	4.8125	2.00

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>
6F12N52M2D3H6	40.00	12	240	2	96	50.75	4.69	5.7610	2.13
6F12N52M4D3H6	40.00	12	480	1	48	50.75	4.69	5.7610	2.13
6F12N59M4D3H6	40.00	12	480	1	48	56.75	11.69	5.7610	2.13
6F12N64M4D3H6	51.00	12	480	2	61	63.25	4.69	5.7610	2.13
6F12N73M4D3H6	51.00	12	480	2	61	70.75	15.69	5.7610	2.13
6F12N77M4D3H6	60.00	12	480	2	72	75.75	4.69	5.7610	2.13
6F12N88M4D3H6	67.00	12	480	2	81	87.75	4.69	5.7610	2.13
6F12N95M4D3H6	67.00	12	480	2	81	92.75	11.69	5.7610	2.13
6F12N106M4D3H6	75.50	12	480	2	91	105.25	11.69	5.7610	2.13
6F12N120M4D3H6	93.50	12	480	4	112	119.25	11.69	5.7610	2.13
6F12N140M4D3H6	105.00	12	480	4	126	139.25	15.69	5.7610	2.13
6F15N120M4D3H6	117.00	15	480	5	141	119.25	11.69	5.7610	2.13
6F12N160M4D3H6	120.00	12	480	4	144	159.25	15.69	5.7610	2.13
6F15N140M4D3H6	131.00	15	480	5	158	139.25	15.69	5.7610	2.13
6F15N160M4D3H6	150.00	15	480	5	180	159.25	15.69	5.7610	2.13

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>
8F18N52M4D3H6	60.00	18	480	2	72	50.44	4.38	7.6250	2.44
8F18N59M4D3H6	60.00	18	480	2	72	56.44	11.38	7.6250	2.44
8F18N64M4D3H6	76.50	18	480	2	92	62.94	4.38	7.6250	2.44
8F18N73M4D3H6	76.50	18	480	2	92	70.44	15.38	7.6250	2.44
8F24N52M4D3H6	80.00	24	480	2	96	50.44	4.38	7.6250	2.44
8F24N59M4D3H6	80.00	24	480	2	96	56.44	11.38	7.6250	2.44
8F18N77M4D3H6	90.00	18	480	3	108	75.44	4.38	7.6250	2.44
8F18N88M4D3H6	100.50	18	480	3	121	87.44	4.38	7.6250	2.44
8F18N95M4D3H6	100.50	18	480	3	121	92.44	11.38	7.6250	2.44
8F24N64M4D3H6	102.00	24	480	4	123	62.94	4.38	7.6250	2.44
8F24N73M4D3H6	102.00	24	480	4	123	70.44	15.38	7.6250	2.44
8F18N106M4D3H6	113.00	18	480	3	136	104.94	11.38	7.6250	2.44
8F24N77M4D3H6	120.00	24	480	4	144	75.44	4.38	7.6250	2.44
8F24N88M4D3H6	134.00	24	480	4	161	87.44	4.38	7.6250	2.44
8F24N95M4D3H6	134.00	24	480	4	161	92.44	11.38	7.6250	2.44

600# Flanged Immersion Heaters - Type IF

8F18N120M4D3H6	140.00	18	480	6	168	118.94	11.38	7.6250	2.44
8F24N106M4D3H6	151.00	24	480	4	182	104.94	11.38	7.6250	2.44
8F18N140M4D3H6	157.50	18	480	6	189	138.94	15.38	7.6250	2.44
8F18N160M4D3H6	180.00	18	480	6	217	158.94	15.38	7.6250	2.44
8F24N120M4D3H6	187.00	24	480	8	225	118.94	11.38	7.6250	2.44
8F24N140M4D3H6	210.00	24	480	8	253	138.94	15.38	7.6250	2.44
8F24N160M4D3H6	240.00	24	480	8	289	158.94	15.38	7.6250	2.44

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>
10F30N52M4D3H6	100.00	30	480	5	120	50.13	4.06	9.7500	2.75
10F30N59M4D3H6	100.00	30	480	5	120	56.13	11.06	9.7500	2.75
10F36N52M4D3H6	120.00	36	480	3	144	50.13	4.06	9.7500	2.75
10F36N59M4D3H6	120.00	36	480	3	144	56.13	11.06	9.7500	2.75
10F36N66MX43H6	120.00	36	480	0	144	63.13	18.06	9.7500	2.75
10F30N64M4D3H6	127.50	30	480	5	153	62.63	4.06	9.7500	2.75
10F30N73M4D3H6	127.50	30	480	5	153	70.13	15.06	9.7500	2.75
10F30N77M4D3H6	150.00	30	480	5	180	75.13	4.06	9.7500	2.75
10F36N64M4D3H6	153.00	36	480	4	184	62.63	4.06	9.7500	2.75
10F36N73M4D3H6	153.00	36	480	4	184	70.13	15.06	9.7500	2.75
10F30N88M4D3H6	168.00	30	480	5	202	87.13	4.06	9.7500	2.75
10F30N95M4D3H6	168.00	30	480	5	202	92.13	11.06	9.7500	2.75
10F36N77M4D3H6	180.00	36	480	6	217	75.13	4.06	9.7500	2.75
10F30N106M4D3H6	189.00	30	480	5	227	104.63	11.06	9.7500	2.75
10F36N88M4D3H6	201.50	36	480	6	242	87.13	4.06	9.7500	2.75
10F36N95M4D3H6	201.50	36	480	6	242	92.13	11.06	9.7500	2.75
10F36N106M4D3H6	226.50	36	480	6	272	104.63	11.06	9.7500	2.75
10F30N120M4D3H6	234.00	30	480	10	281	118.63	11.06	9.7500	2.75
10F30N140M4D3H6	262.50	30	480	10	316	138.63	15.06	9.7500	2.75
10F36N120M4D3H6	280.50	36	480	12	337	118.63	11.06	9.7500	2.75
10F30N160M4D3H6	300.00	30	480	10	361	158.63	15.06	9.7500	2.75
10F36N140M4D3H6	315.00	36	480	12	379	138.63	15.06	9.7500	2.75
10F36N160M4D3H6	360.00	36	480	12	433	158.63	15.06	9.7500	2.75

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>
12F48N52M4D3H6	160.00	48	480	4	192	50.00	3.94	11.7500	2.88
12F48N59M4D3H6	160.00	48	480	4	192	56.00	10.94	11.7500	2.88
12F48N64M4D3H6	204.00	48	480	8	245	62.50	3.94	11.7500	2.88
12F48N73M4D3H6	204.00	48	480	8	245	70.00	14.94	11.7500	2.88
12F48N77M4D3H6	240.00	48	480	8	289	75.00	3.94	11.7500	2.88
12F48N88M4D3H6	268.50	48	480	8	323	87.00	3.94	11.7500	2.88
12F48N95M4D3H6	268.50	48	480	8	323	92.00	10.94	11.7500	2.88
12F54N88M4D3H6	302.00	54	480	9	363	87.00	3.94	11.7500	2.88
12F54N95M4D3H6	302.00	54	480	9	363	92.00	10.94	11.7500	2.88
12F48N106M4D3H6	302.00	48	480	8	363	104.50	10.94	11.7500	2.88
12F54N106M4D3H6	340.00	54	480	9	409	104.50	10.94	11.7500	2.88
12F48N120M4D3H6	374.00	48	480	16	450	118.50	10.94	11.7500	2.88
12F48N140M4D3H6	420.00	48	480	16	505	138.50	14.94	11.7500	2.88
12F54N120M4D3H6	421.00	54	480	18	506	118.50	10.94	11.7500	2.88
12F54N140M4D3H6	472.50	54	480	18	568	138.50	14.94	11.7500	2.88
12F48N160M4D3H6	480.00	48	480	16	577	158.50	14.94	11.7500	2.88
12F54N160M4D3H6	540.00	54	480	18	650	158.50	14.94	11.7500	2.88

600# Flanged Immersion Heaters - Type IF

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>
14F54N88M4D3H6	302.00	54	480	9	363	86.88	3.81	13.0000	3.00
14F54N95M4D3H6	302.00	54	480	9	363	91.88	10.81	13.0000	3.00
14F60N88M4D3H6	336.00	60	480	10	404	86.88	3.81	13.0000	3.00
14F60N95M4D3H6	336.00	60	480	10	404	91.88	10.81	13.0000	3.00
14F54N106M4D3H6	340.00	54	480	9	409	104.38	10.81	13.0000	3.00
14F60N106M4D3H6	378.00	60	480	10	455	104.38	10.81	13.0000	3.00
14F72N88M4D3H6	403.00	72	480	12	485	86.88	3.81	13.0000	3.00
14F72N95M4D3H6	403.00	72	480	12	485	91.88	10.81	13.0000	3.00
14F54N120M4D3H6	421.00	54	480	18	506	118.38	10.81	13.0000	3.00
14F72N106M4D3H6	453.50	72	480	12	545	104.38	10.81	13.0000	3.00
14F60N120M4D3H6	468.00	60	480	20	563	118.38	10.81	13.0000	3.00
14F54N140M4D3H6	472.50	54	480	18	568	138.38	14.81	13.0000	3.00
14F60N140M4D3H6	525.00	60	480	20	631	138.38	14.81	13.0000	3.00
14F54N160M4D3H6	540.00	54	480	18	650	158.38	14.81	13.0000	3.00
14F72N120M4D3H6	562.00	72	480	24	676	118.38	10.81	13.0000	3.00
14F60N160M4D3H6	600.00	60	480	20	722	158.38	14.81	13.0000	3.00
14F72N140M4D3H6	630.00	72	480	24	758	138.38	14.81	13.0000	3.00
14F72N160M4D3H6	720.00	72	480	24	866	158.38	14.81	13.0000	3.00

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>
16F84N88M4D3H6	470.00	84	480	14	565	86.63	3.56	15.0000	3.25
16F84N95M4D3H6	470.00	84	480	14	565	91.63	10.56	15.0000	3.25
16F90N88M4D3H6	504.00	90	480	15	606	86.63	3.56	15.0000	3.25
16F90N95M4D3H6	504.00	90	480	15	606	91.63	10.56	15.0000	3.25
16F84N106M4D3H6	529.00	84	480	14	636	104.13	10.56	15.0000	3.25
16F96N88M4D3H6	538.00	96	480	16	647	86.63	3.56	15.0000	3.25
16F96N95M4D3H6	538.00	96	480	16	647	91.63	10.56	15.0000	3.25
16F90N106M4D3H6	567.00	90	480	15	682	104.13	10.56	15.0000	3.25
16F96N106M4D3H6	605.00	96	480	16	728	104.13	10.56	15.0000	3.25
16F84N120M4D3H6	655.00	84	480	28	788	118.13	10.56	15.0000	3.25
16F90N120M4D3H6	702.00	90	480	30	844	118.13	10.56	15.0000	3.25
16F84N140M4D3H6	735.00	84	480	28	884	138.13	14.56	15.0000	3.25
16F96N120M4D3H6	749.00	96	480	32	901	118.13	10.56	15.0000	3.25
16F90N140M4D3H6	788.00	90	480	30	948	138.13	14.56	15.0000	3.25
16F96N140M4D3H6	840.00	96	480	32	1,010	138.13	14.56	15.0000	3.25
16F84N160M4D3H6	840.00	84	480	28	1,010	158.13	14.56	15.0000	3.25
16F90N160M4D3H6	900.00	90	480	30	1,083	158.13	14.56	15.0000	3.25
16F96N160M4D3H6	960.00	96	480	32	1,155	158.13	14.56	15.0000	3.25

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>
18F108N88M4D3H6	605.00	108	480	18	728	86.38	3.31	17.0000	3.50
18F108N95M4D3H6	605.00	108	480	18	728	91.38	10.31	17.0000	3.50
18F108N106M4D3H6	680.00	108	480	18	818	103.88	10.31	17.0000	3.50
18F108N120M4D3H6	842.00	108	480	36	1,013	117.88	10.31	17.0000	3.50
18F108N140M4D3H6	945.00	108	480	36	1,137	137.88	14.31	17.0000	3.50
18F108N160M4D3H6	1,080.00	108	480	36	1,299	157.88	14.31	17.0000	3.50

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>
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600# Flanged Immersion Heaters - Type IF

20F120N88M4D3H6	672.00	120	480	20	808	86.13	3.06	19.0000	3.75
20F120N95M4D3H6	672.00	120	480	20	808	91.13	10.06	19.0000	3.75
20F126N88M4D3H6	706.00	126	480	21	849	86.13	3.06	19.0000	3.75
20F126N95M4D3H6	706.00	126	480	21	849	91.13	10.06	19.0000	3.75
20F132N88M4D3H6	739.00	132	480	22	889	86.13	3.06	19.0000	3.75
20F132N95M4D3H6	739.00	132	480	22	889	91.13	10.06	19.0000	3.75
20F120N106M4D3H6	756.00	120	480	20	909	103.63	10.06	19.0000	3.75
20F126N106M4D3H6	794.00	126	480	21	955	103.63	10.06	19.0000	3.75
20F144N88M4D3H6	806.00	144	480	24	969	86.13	3.06	19.0000	3.75
20F144N95M4D3H6	806.00	144	480	24	969	91.13	10.06	19.0000	3.75
20F132N106M4D3H6	832.00	132	480	22	1,001	103.63	10.06	19.0000	3.75
20F162N88M4D3H6	907.00	162	480	27	1,091	86.13	3.06	19.0000	3.75
20F162N95M4D3H6	907.00	162	480	27	1,091	91.13	10.06	19.0000	3.75
20F144N106M4D3H6	907.00	144	480	24	1,091	103.63	10.06	19.0000	3.75
20F120N120M4D3H6	936.00	120	480	40	1,126	117.63	10.06	19.0000	3.75
20F126N120M4D3H6	983.00	126	480	42	1,182	117.63	10.06	19.0000	3.75
20F180N88M4D3H6	1,008.00	180	480	30	1,212	86.13	3.06	19.0000	3.75
20F180N95M4D3H6	1,008.00	180	480	30	1,212	91.13	10.06	19.0000	3.75
20F162N106M4D3H6	1,021.00	162	480	27	1,228	103.63	10.06	19.0000	3.75
20F132N120M4D3H6	1,030.00	132	480	44	1,239	117.63	10.06	19.0000	3.75
20F120N140M4D3H6	1,050.00	120	480	40	1,263	137.63	14.06	19.0000	3.75
20F126N140M4D3H6	1,103.00	126	480	42	1,327	137.63	14.06	19.0000	3.75
20F144N120M4D3H6	1,123.00	144	480	48	1,351	117.63	10.06	19.0000	3.75
20F180N106M4D3H6	1,134.00	180	480	30	1,364	103.63	10.06	19.0000	3.75
20F132N140M4D3H6	1,155.00	132	480	44	1,389	137.63	14.06	19.0000	3.75
20F120N160M4D3H6	1,200.00	120	480	40	1,443	157.63	14.06	19.0000	3.75
20F144N140M4D3H6	1,260.00	144	480	48	1,516	137.63	14.06	19.0000	3.75
20F126N160M4D3H6	1,260.00	126	480	42	1,516	157.63	14.06	19.0000	3.75
20F162N120M4D3H6	1,264.00	162	480	54	1,520	117.63	10.06	19.0000	3.75
20F132N160M4D3H6	1,320.00	132	480	44	1,588	157.63	14.06	19.0000	3.75
20F180N120M4D3H6	1,404.00	180	480	60	1,689	117.63	10.06	19.0000	3.75
20F162N140M4D3H6	1,418.00	162	480	54	1,706	137.63	14.06	19.0000	3.75
20F144N160M4D3H6	1,440.00	144	480	48	1,732	157.63	14.06	19.0000	3.75
20F180N140M4D3H6	1,575.00	180	480	60	1,894	137.63	14.06	19.0000	3.75
20F162N160M4D3H6	1,620.00	162	480	54	1,949	157.63	14.06	19.0000	3.75
20F180N160M4D3H6	1,800.00	180	480	60	2,165	157.63	14.06	19.0000	3.75

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>
24F192N95M4D3H6	1,075.00	192	480	32	1,293	90.63	9.56	23.0000	4.25
24F216N95M4D3H6	1,210.00	216	480	36	1,455	90.63	9.56	23.0000	4.25
24F192N106M4D3H6	1,210.00	192	480	32	1,455	103.13	9.56	23.0000	4.25
24F234N95M4D3H6	1,310.00	234	480	39	1,576	90.63	9.56	23.0000	4.25
24F240N95M4D3H6	1,344.00	240	480	40	1,617	90.63	9.56	23.0000	4.25
24F216N106M4D3H6	1,361.00	216	480	36	1,637	103.13	9.56	23.0000	4.25
24F234N106M4D3H6	1,474.00	234	480	39	1,773	103.13	9.56	23.0000	4.25
24F192N120M4D3H6	1,498.00	192	480	64	1,802	117.13	9.56	23.0000	4.25
24F240N106M4D3H6	1,512.00	240	480	40	1,819	103.13	9.56	23.0000	4.25
24F192N140M4D3H6	1,680.00	192	480	64	2,021	137.13	13.56	23.0000	4.25
24F216N120M4D3H6	1,685.00	216	480	72	2,027	117.13	9.56	23.0000	4.25
24F234N120M4D3H6	1,825.00	234	480	78	2,195	117.13	9.56	23.0000	4.25
24F240N120M4D3H6	1,872.00	240	480	80	2,252	117.13	9.56	23.0000	4.25
24F216N140M4D3H6	1,890.00	216	480	72	2,273	137.13	13.56	23.0000	4.25
24F192N160M4D3H6	1,920.00	192	480	64	2,309	157.13	13.56	23.0000	4.25

600# Flanged Immersion Heaters - Type IF

24F234N140M4D3H6	2,048.00	234	480	78	2,463	137.13	13.56	23.0000	4.25
24F240N140M4D3H6	2,100.00	240	480	80	2,526	137.13	13.56	23.0000	4.25
24F216N160M4D3H6	2,160.00	216	480	72	2,598	157.13	13.56	23.0000	4.25
24F234N160M4D3H6	2,340.00	234	480	78	2,815	157.13	13.56	23.0000	4.25
24F240N160M4D3H6	2,400.00	240	480	80	2,887	157.13	13.56	23.0000	4.25

20 Watts/Sq. Inch

3 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
3F3N18B4Y3H6	2.50	3	480	1	3	17.38	3.31	2.9000	1.50
3F3N20B4Y3H6	2.88	3	480	1	3	19.38	3.31	2.9000	1.50
3F3N25B4Y3H6	3.75	3	480	1	5	24.88	3.31	2.9000	1.50
3F3N25B2Y3H6	3.75	3	240	1	9	24.88	3.31	2.9000	1.50
3F3N33B2Y3H6	5.00	3	240	1	12	32.38	3.31	2.9000	1.50
3F3N33B4Y3H6	5.00	3	480	1	6	32.38	3.31	2.9000	1.50
3F3N38B4Y3H6	6.00	3	480	1	7	37.88	5.31	2.9000	1.50
3F3N36B4Y3H6	6.38	3	480	1	8	35.38	3.31	2.9000	1.50
3F3N43B4Y3H6	6.63	3	480	1	8	42.38	5.31	2.9000	1.50
3F3N52B4Y3H6	8.25	3	480	1	10	51.38	5.31	2.9000	1.50
3F3N52B2Y3H6	8.25	3	240	1	20	51.38	5.31	2.9000	1.50
3F3N57B4Y3H6	8.25	3	480	1	10	56.38	10.31	2.9000	1.50
3F3N61B4Y3H6	10.00	3	480	1	12	60.88	5.31	2.9000	1.50
3F3N68B4Y3H6	10.00	3	480	1	12	67.88	12.31	2.9000	1.50
3F3N88B4Y3H6	14.75	3	480	1	18	88.38	5.31	2.9000	1.50
3F3N106B4Y3H6	16.50	3	480	1	20	105.88	12.31	2.9000	1.50
3F3N120B4Y3H6	19.00	3	480	1	23	119.88	12.31	2.9000	1.50

4 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
4F6N18B4Y3H6	5.00	6	480	1	6	17.13	3.06	3.8260	1.75
4F6N20B4Y3H6	5.75	6	480	1	7	19.13	3.06	3.8260	1.75
4F6N25B4Y3H6	7.63	6	480	1	9	24.63	3.06	3.8260	1.75
4F6N25B2Y3H6	7.63	6	240	1	18	24.63	3.06	3.8260	1.75
4F6N33B4Y3H6	10.00	6	480	1	12	32.13	3.06	3.8260	1.75
4F6N33B2Y3H6	10.00	6	240	1	24	32.13	3.06	3.8260	1.75
4F6N38B4Y3H6	12.00	6	480	1	14	37.63	5.06	3.8260	1.75
4F6N36B4Y3H6	12.75	6	480	1	15	35.13	3.06	3.8260	1.75
4F6N43B4Y3H6	13.25	6	480	1	16	42.13	5.06	3.8260	1.75
4F6N52B4Y3H6	16.50	6	480	1	20	51.13	5.06	3.8260	1.75
4F6N52B2Y3H6	16.50	6	240	1	40	51.13	5.06	3.8260	1.75
4F6N57B4Y3H6	16.50	6	480	1	20	56.13	10.06	3.8260	1.75
4F6N61B4Y3H6	20.00	6	480	1	24	60.63	5.06	3.8260	1.75
4F6N68B4Y3H6	20.00	6	480	1	24	67.63	12.06	3.8260	1.75
4F6N88B4Y3H6	29.50	6	480	1	35	88.13	5.06	3.8260	1.75
4F6N106B4Y3H6	33.25	6	480	1	40	105.63	12.06	3.8260	1.75
4F6N120B4Y3H6	38.00	6	480	1	46	119.63	12.06	3.8260	1.75

5 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
5F9N38B4Y3H6	18.00	9	480	1	22	37.38	4.81	4.8125	2.00
5F9N43B4Y3H6	20.00	9	480	1	24	41.88	4.81	4.8125	2.00
5F9N52B4Y3H6	25.00	9	480	1	30	50.88	4.81	4.8125	2.00
5F9N57B4Y3H6	25.00	9	480	1	30	55.88	9.81	4.8125	2.00

600# Flanged Immersion Heaters - Type IF

5F9N61B4Y3H6	30.00	9	480	1	36	60.38	4.81	4.8125	2.00
5F9N68B4Y3H6	30.00	9	480	1	36	67.38	11.81	4.8125	2.00

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>
6F12N38B4Y3H6	24.00	12	480	1	29	37.25	4.69	5.7610	2.13
6F12N43B4Y3H6	26.50	12	480	1	32	41.75	4.69	5.7610	2.13
6F15N38B4Y3H6	30.00	15	480	1	36	37.25	4.69	5.7610	2.13
6F15N43B4Y3H6	33.25	15	480	1	40	41.75	4.69	5.7610	2.13
6F12N52B4Y3H6	33.25	12	480	1	40	50.75	4.69	5.7610	2.13
6F12N52B2Y3H6	33.25	12	240	2	80	50.75	4.69	5.7610	2.13
6F12N57B4Y3H6	33.25	12	480	1	40	55.75	9.69	5.7610	2.13
6F12N61B4Y3H6	40.00	12	480	1	48	60.25	4.69	5.7610	2.13
6F12N68B4Y3H6	40.00	12	480	1	48	67.25	11.69	5.7610	2.13
6F12N88B4Y3H6	59.00	12	480	2	71	87.75	4.69	5.7610	2.13
6F12N106B4Y3H6	66.50	12	480	2	80	105.25	11.69	5.7610	2.13
6F12N120B4Y3H6	76.00	12	480	2	91	119.25	11.69	5.7610	2.13

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>
8F18N38B4Y3H6	36.00	18	480	1	43	36.94	4.38	7.6250	2.44
8F18N43B4Y3H6	40.00	18	480	1	48	41.44	4.38	7.6250	2.44
8F24N38B4Y3H6	48.00	24	480	2	58	36.94	4.38	7.6250	2.44
8F18N52B4Y3H6	50.00	18	480	2	60	50.44	4.38	7.6250	2.44
8F18N57B4Y3H6	50.00	18	480	2	60	55.44	9.38	7.6250	2.44
8F24N43B4Y3H6	53.25	24	480	2	64	41.44	4.38	7.6250	2.44
8F18N61B4Y3H6	60.00	18	480	2	72	59.94	4.38	7.6250	2.44
8F18N68B4Y3H6	60.00	18	480	2	72	66.94	11.38	7.6250	2.44
8F24N52B4Y3H6	66.50	24	480	2	80	50.44	4.38	7.6250	2.44
8F24N57B4Y3H6	66.50	24	480	2	80	55.44	9.38	7.6250	2.44
8F24N61B4Y3H6	80.00	24	480	2	96	59.94	4.38	7.6250	2.44
8F24N68B4Y3H6	80.00	24	480	2	96	66.94	11.38	7.6250	2.44
8F18N88B4Y3H6	88.75	18	480	3	107	87.44	4.38	7.6250	2.44
8F18N106B4Y3H6	100.00	18	480	3	120	104.94	11.38	7.6250	2.44
8F18N120B4Y3H6	114.00	18	480	3	137	118.94	11.38	7.6250	2.44
8F24N88B4Y3H6	118.00	24	480	4	142	87.44	4.38	7.6250	2.44
8F24N106B4Y3H6	133.00	24	480	4	160	104.94	11.38	7.6250	2.44
8F24N120B4Y3H6	152.00	24	480	4	183	118.94	11.38	7.6250	2.44

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>
10F30N38B4Y3H6	60.00	30	480	2	72	36.63	4.06	9.7500	2.75
10F30N43B4Y3H6	66.50	30	480	2	80	41.13	4.06	9.7500	2.75
10F36N38B4Y3H6	72.00	36	480	2	87	36.63	4.06	9.7500	2.75
10F36N43B4Y3H6	80.00	36	480	2	96	41.13	4.06	9.7500	2.75
10F36N52B4Y3H6	100.00	36	480	3	120	50.13	4.06	9.7500	2.75
10F36N57B4Y3H6	100.00	36	480	3	120	55.13	9.06	9.7500	2.75
10F30N61B4Y3H6	100.00	30	480	5	120	59.63	4.06	9.7500	2.75
10F30N68B4Y3H6	100.00	30	480	5	120	66.63	11.06	9.7500	2.75
10F36N61B4Y3H6	120.00	36	480	3	144	59.63	4.06	9.7500	2.75
10F36N68B4Y3H6	120.00	36	480	3	144	66.63	11.06	9.7500	2.75
10F30N88B4Y3H6	148.00	30	480	5	178	87.13	4.06	9.7500	2.75
10F30N106B4Y3H6	166.50	30	480	5	200	104.63	11.06	9.7500	2.75

600# Flanged Immersion Heaters - Type IF

10F36N88B4Y3H6	177.50	36	480	6	214	87.13	4.06	9.7500	2.75
10F30N120B4Y3H6	190.00	30	480	5	229	118.63	11.06	9.7500	2.75
10F36N106B4Y3H6	200.00	36	480	6	241	104.63	11.06	9.7500	2.75
10F36N120B4Y3H6	228.00	36	480	6	274	118.63	11.06	9.7500	2.75

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>
12F48N43B4Y3H6	106.50	48	480	4	128	41.00	3.94	11.7500	2.88
12F48N52B4Y3H6	133.00	48	480	4	160	50.00	3.94	11.7500	2.88
12F48N57B4Y3H6	133.00	48	480	4	160	55.00	8.94	11.7500	2.88
12F48N61B4Y3H6	160.00	48	480	4	192	59.50	3.94	11.7500	2.88
12F48N68B4Y3H6	160.00	48	480	4	192	66.50	10.94	11.7500	2.88
12F48N88B4Y3H6	236.50	48	480	8	284	87.00	3.94	11.7500	2.88
12F54N88B4Y3H6	266.00	54	480	9	320	87.00	3.94	11.7500	2.88
12F48N106B4Y3H6	266.50	48	480	8	321	104.50	10.94	11.7500	2.88
12F54N106B4Y3H6	300.00	54	480	9	361	104.50	10.94	11.7500	2.88
12F48N120B4Y3H6	304.00	48	480	8	366	118.50	10.94	11.7500	2.88
12F54N120B4Y3H6	342.00	54	480	9	411	118.50	10.94	11.7500	2.88

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>
14F54N88B4Y3H6	266.00	54	480	9	320	86.88	3.81	13.0000	3.00
14F60N88B4Y3H6	296.00	60	480	10	356	86.88	3.81	13.0000	3.00
14F54N106B4Y3H6	300.00	54	480	9	361	104.38	10.81	13.0000	3.00
14F60N106B4Y3H6	333.00	60	480	10	401	104.38	10.81	13.0000	3.00
14F54N120B4Y3H6	342.00	54	480	9	411	118.38	10.81	13.0000	3.00
14F72N88B4Y3H6	355.00	72	480	12	427	86.88	3.81	13.0000	3.00
14F60N120B4Y3H6	380.00	60	480	10	457	118.38	10.81	13.0000	3.00
14F72N106B4Y3H6	400.00	72	480	12	481	104.38	10.81	13.0000	3.00
14F72N120B4Y3H6	456.00	72	480	12	548	118.38	10.81	13.0000	3.00

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>
16F84N88B4Y3H6	414.00	84	480	14	498	86.63	3.56	15.0000	3.25
16F90N88B4Y3H6	444.00	90	480	15	534	86.63	3.56	15.0000	3.25
16F84N106B4Y3H6	466.50	84	480	14	561	104.13	10.56	15.0000	3.25
16F96N88B4Y3H6	473.50	96	480	16	570	86.63	3.56	15.0000	3.25
16F90N106B4Y3H6	500.00	90	480	15	601	104.13	10.56	15.0000	3.25
16F84N120B4Y3H6	532.00	84	480	14	640	118.13	10.56	15.0000	3.25
16F96N106B4Y3H6	533.00	96	480	16	641	104.13	10.56	15.0000	3.25
16F90N120B4Y3H6	570.00	90	480	15	686	118.13	10.56	15.0000	3.25
16F96N120B4Y3H6	608.00	96	480	16	731	118.13	10.56	15.0000	3.25

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>
18F108N88B4Y3H6	533.00	108	480	18	641	86.38	3.31	17.0000	3.50
18F108N106B4Y3H6	600.00	108	480	18	722	103.88	10.31	17.0000	3.50
18F108N120B4Y3H6	684.00	108	480	18	823	117.88	10.31	17.0000	3.50

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>
20F120N88B4Y3H6	592.00	120	480	20	712	86.13	3.06	19.0000	3.75
20F126N88B4Y3H6	622.00	126	480	21	748	86.13	3.06	19.0000	3.75

600# Flanged Immersion Heaters - Type IF

20F132N88B4Y3H6	651.00	132	480	22	783	86.13	3.06	19.0000	3.75
20F120N106B4Y3H6	667.00	120	480	20	802	103.63	10.06	19.0000	3.75
20F126N106B4Y3H6	700.00	126	480	21	842	103.63	10.06	19.0000	3.75
20F144N88B4Y3H6	710.00	144	480	24	854	86.13	3.06	19.0000	3.75
20F132N106B4Y3H6	733.00	132	480	22	882	103.63	10.06	19.0000	3.75
20F120N120B4Y3H6	760.00	120	480	20	914	117.63	10.06	19.0000	3.75
20F126N120B4Y3H6	798.00	126	480	21	960	117.63	10.06	19.0000	3.75
20F162N88B4Y3H6	799.00	162	480	27	961	86.13	3.06	19.0000	3.75
20F144N106B4Y3H6	800.00	144	480	24	962	103.63	10.06	19.0000	3.75
20F132N120B4Y3H6	836.00	132	480	22	1,006	117.63	10.06	19.0000	3.75
20F180N88B4Y3H6	888.00	180	480	30	1,068	86.13	3.06	19.0000	3.75
20F162N106B4Y3H6	900.00	162	480	27	1,083	103.63	10.06	19.0000	3.75
20F144N120B4Y3H6	912.00	144	480	24	1,097	117.63	10.06	19.0000	3.75
20F180N106B4Y3H6	1,000.00	180	480	30	1,203	103.63	10.06	19.0000	3.75
20F162N120B4Y3H6	1,026.00	162	480	27	1,234	117.63	10.06	19.0000	3.75
20F180N120B4Y3H6	1,140.00	180	480	30	1,371	117.63	10.06	19.0000	3.75

24 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
24F192N106B4Y3H6	1,067.00	192	480	32	1,283	103.13	9.56	23.0000	4.25
24F216N106B4Y3H6	1,200.00	216	480	36	1,443	103.13	9.56	23.0000	4.25
24F192N120B4Y3H6	1,216.00	192	480	32	1,463	117.13	9.56	23.0000	4.25
24F234N106B4Y3H6	1,300.00	234	480	39	1,564	103.13	9.56	23.0000	4.25
24F240N106B4Y3H6	1,333.00	240	480	40	1,603	103.13	9.56	23.0000	4.25
24F216N120B4Y3H6	1,368.00	216	480	36	1,645	117.13	9.56	23.0000	4.25
24F234N120B4Y3H6	1,482.00	234	480	39	1,783	117.13	9.56	23.0000	4.25
24F240N120B4Y3H6	1,520.00	240	480	40	1,828	117.13	9.56	23.0000	4.25

15 Watts/Sq. Inch

3 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
3F3N10H4Y3H6	1.00	3	480	1	1	9.88	3.31	2.9000	1.50
3F3N18H2Y3H6	2.00	3	240	1	5	17.38	3.31	2.9000	1.50
3F3N18H4Y3H6	2.00	3	480	1	2	17.38	3.31	2.9000	1.50
3F3N20H4Y3H6	2.50	3	480	1	3	19.38	3.31	2.9000	1.50
3F3N20H2Y3H6	2.50	3	240	1	6	19.38	3.31	2.9000	1.50
3F3N25H4Y3H6	3.00	3	480	1	4	24.88	3.31	2.9000	1.50
3F3N25H2Y3H6	3.00	3	240	1	7	24.88	3.31	2.9000	1.50
3F3N33H2Y3H6	4.00	3	240	1	10	32.38	3.31	2.9000	1.50
3F3N33H4Y3H6	4.00	3	480	1	5	32.38	3.31	2.9000	1.50
3F3N40H2Y3H6	5.00	3	240	1	12	39.88	3.31	2.9000	1.50
3F3N40H4Y3H6	5.00	3	480	1	6	39.88	3.31	2.9000	1.50
3F3N48H4Y3H6	6.00	3	480	1	7	47.38	3.31	2.9000	1.50
3F3N52H4Y3H6	6.00	3	480	1	7	51.38	5.31	2.9000	1.50
3F3N61H4Y3H6	8.25	3	480	1	10	60.88	5.31	2.9000	1.50
3F3N68H4Y3H6	8.25	3	480	1	10	67.88	12.31	2.9000	1.50
3F3N80H4Y3H6	11.00	3	480	1	13	78.38	10.31	2.9000	1.50
3F3N88H4Y3H6	12.50	3	480	1	15	88.38	5.31	2.9000	1.50
3F3N95H4Y3H6	12.50	3	480	1	15	95.38	12.31	2.9000	1.50
3F3N120H4Y3H6	15.00	3	480	1	18	119.88	13.81	2.9000	1.50
3F3N140H4Y3H6	17.50	3	480	1	21	139.88	16.31	2.9000	1.50
3F3N160H4Y3H6	20.00	3	480	1	24	159.88	16.31	2.9000	1.50

4 Inch Heaters

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600# 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>
4F6N10H4Y3H6	2.00	6	480	1	2	9.63	3.06	3.8260	1.75
4F6N18B4S3H6	3.75	6	480	1	5	17.13	3.06	3.8260	1.75
4F6N18H2Y3H6	4.00	6	240	1	10	17.13	3.06	3.8260	1.75
4F6N18H4Y3H6	4.00	6	480	1	5	17.13	3.06	3.8260	1.75
4F6N20B4S3H6	4.25	6	480	1	5	19.13	3.06	3.8260	1.75
4F6N20H4Y3H6	5.00	6	480	1	6	19.13	3.06	3.8260	1.75
4F6N20H2Y3H6	5.00	6	240	1	12	19.13	3.06	3.8260	1.75
4F6N25B4S3H6	5.75	6	480	1	7	24.63	3.06	3.8260	1.75
4F6N25B2S3H6	5.75	6	240	1	14	24.63	3.06	3.8260	1.75
4F6N25H2Y3H6	6.00	6	240	1	14	24.63	3.06	3.8260	1.75
4F6N25H4Y3H6	6.00	6	480	1	7	24.63	3.06	3.8260	1.75
4F6N33B2S3H6	7.50	6	240	1	18	32.13	3.06	3.8260	1.75
4F6N33B4S3H6	7.50	6	480	1	9	32.13	3.06	3.8260	1.75
4F6N33H4Y3H6	8.00	6	480	1	10	32.13	3.06	3.8260	1.75
4F6N33H2Y3H6	8.00	6	240	1	19	32.13	3.06	3.8260	1.75
4F6N38B4S3H6	9.00	6	480	1	11	37.63	5.06	3.8260	1.75
4F6N36B4S3H6	9.63	6	480	1	12	35.13	3.06	3.8260	1.75
4F6N40H2Y3H6	10.00	6	240	1	24	39.63	3.06	3.8260	1.75
4F6N40H4Y3H6	10.00	6	480	1	12	39.63	3.06	3.8260	1.75
4F6N43B4S3H6	10.00	6	480	1	12	42.13	5.06	3.8260	1.75
4F6N48H4Y3H6	12.00	6	480	1	14	47.13	3.06	3.8260	1.75
4F6N52H4Y3H6	12.00	6	480	1	14	51.13	5.06	3.8260	1.75
4F6N52B4S3H6	12.50	6	480	1	15	51.13	5.06	3.8260	1.75
4F6N52B2S3H6	12.50	6	240	1	30	51.13	5.06	3.8260	1.75
4F6N57B4S3H6	12.50	6	480	1	15	56.13	10.06	3.8260	1.75
4F6N61B4S3H6	15.00	6	480	1	18	60.63	5.06	3.8260	1.75
4F6N68B4S3H6	15.00	6	480	1	18	67.63	12.06	3.8260	1.75
4F6N61H4Y3H6	16.50	6	480	1	20	60.63	5.06	3.8260	1.75
4F6N68H4Y3H6	16.50	6	480	1	20	67.63	12.06	3.8260	1.75
4F6N80H4Y3H6	22.00	6	480	1	26	78.13	10.06	3.8260	1.75
4F6N88B4S3H6	22.00	6	480	1	26	88.13	5.06	3.8260	1.75
4F6N88H4Y3H6	25.00	6	480	1	30	88.13	5.06	3.8260	1.75
4F6N95H4Y3H6	25.00	6	480	1	30	95.13	12.06	3.8260	1.75
4F6N106B4S3H6	25.00	6	480	1	30	105.63	12.06	3.8260	1.75
4F6N120B4S3H6	28.50	6	480	1	34	119.63	12.06	3.8260	1.75
4F6N120H4Y3H6	30.00	6	480	1	36	119.63	13.56	3.8260	1.75
4F6N140H4Y3H6	35.00	6	480	1	42	139.63	16.06	3.8260	1.75
4F6N160H4Y3H6	40.00	6	480	1	48	159.63	16.06	3.8260	1.75

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>
5F9N52H4Y3H6	18.00	9	480	1	22	50.88	4.81	4.8125	2.00
5F9N61H4Y3H6	25.00	9	480	1	30	60.38	4.81	4.8125	2.00
5F9N68H4Y3H6	25.00	9	480	1	30	67.38	11.81	4.8125	2.00
5F9N80H4Y3H6	33.25	9	480	1	40	77.88	9.81	4.8125	2.00
5F9N88H4Y3H6	37.50	9	480	1	45	87.88	4.81	4.8125	2.00
5F9N95H4Y3H6	37.50	9	480	1	45	94.88	11.81	4.8125	2.00
5F9N160H4Y3H6	60.00	9	480	3	72	159.38	15.81	4.8125	2.00

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>
6F12N38B4S3H6	18.00	12	480	1	22	37.25	4.69	5.7610	2.13

600# Flanged Immersion Heaters - Type IF

6F12N43B4S3H6	20.00	12	480	1	24	41.75	4.69	5.7610	2.13
6F12N52H4Y3H6	24.00	12	480	1	29	50.75	4.69	5.7610	2.13
6F12N52B4S3H6	25.00	12	480	1	30	50.75	4.69	5.7610	2.13
6F12N52B2S3H6	25.00	12	240	2	60	50.75	4.69	5.7610	2.13
6F12N57B4S3H6	25.00	12	480	1	30	55.75	9.69	5.7610	2.13
6F15N52H4Y3H6	30.00	15	480	1	36	50.75	4.69	5.7610	2.13
6F12N61B4S3H6	30.00	12	480	1	36	60.25	4.69	5.7610	2.13
6F12N68B4S3H6	30.00	12	480	1	36	67.25	11.69	5.7610	2.13
6F12N61H4Y3H6	33.25	12	480	1	40	60.25	4.69	5.7610	2.13
6F12N68H4Y3H6	33.25	12	480	1	40	67.25	11.69	5.7610	2.13
6F12N80H4Y3H6	44.25	12	480	2	53	77.75	9.69	5.7610	2.13
6F12N88B4S3H6	44.25	12	480	2	53	87.75	4.69	5.7610	2.13
6F12N88H4Y3H6	50.00	12	480	2	60	87.75	4.69	5.7610	2.13
6F12N95H4Y3H6	50.00	12	480	2	60	94.75	11.69	5.7610	2.13
6F12N106B4S3H6	50.00	12	480	2	60	105.25	11.69	5.7610	2.13
6F12N120B4S3H6	57.00	12	480	2	69	119.25	11.69	5.7610	2.13
6F12N120H4Y3H6	60.00	12	480	2	72	119.25	13.19	5.7610	2.13
6F12N140H4Y3H6	70.00	12	480	2	84	139.25	15.69	5.7610	2.13
6F12N160H4Y3H6	80.00	12	480	2	96	159.25	15.69	5.7610	2.13
6F15N160H4Y3H6	100.00	15	480	5	120	159.25	15.69	5.7610	2.13

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>
8F18N38B4S3H6	27.00	18	480	1	32	36.94	4.38	7.6250	2.44
8F18N43B4S3H6	30.00	18	480	1	36	41.44	4.38	7.6250	2.44
8F24N38B4S3H6	36.00	24	480	1	43	36.94	4.38	7.6250	2.44
8F18N52H4Y3H6	36.00	18	480	1	43	50.44	4.38	7.6250	2.44
8F18N52B4S3H6	37.50	18	480	1	45	50.44	4.38	7.6250	2.44
8F18N57B4S3H6	37.50	18	480	1	45	55.44	9.38	7.6250	2.44
8F24N43B4S3H6	40.00	24	480	1	48	41.44	4.38	7.6250	2.44
8F24N52H4Y3H6	48.00	24	480	2	58	50.44	4.38	7.6250	2.44
8F24N52B4S3H6	50.00	24	480	2	60	50.44	4.38	7.6250	2.44
8F24N57B4S3H6	50.00	24	480	2	60	55.44	9.38	7.6250	2.44
8F18N61H4Y3H6	50.00	18	480	2	60	59.94	4.38	7.6250	2.44
8F18N68H4Y3H6	50.00	18	480	2	60	66.94	11.38	7.6250	2.44
8F24N61B4S3H6	60.00	24	480	2	72	59.94	4.38	7.6250	2.44
8F24N68B4S3H6	60.00	24	480	2	72	66.94	11.38	7.6250	2.44
8F24N61H4Y3H6	66.50	24	480	2	80	59.94	4.38	7.6250	2.44
8F24N68H4Y3H6	66.50	24	480	2	80	66.94	11.38	7.6250	2.44
8F18N80H4Y3H6	66.50	18	480	2	80	77.44	9.38	7.6250	2.44
8F18N88B4S3H6	66.50	18	480	3	80	87.44	4.38	7.6250	2.44
8F18N88H4Y3H6	75.00	18	480	2	90	87.44	4.38	7.6250	2.44
8F18N95H4Y3H6	75.00	18	480	2	90	94.44	11.38	7.6250	2.44
8F18N106B4S3H6	75.00	18	480	3	90	104.94	11.38	7.6250	2.44
8F18N120B4S3H6	85.50	18	480	3	103	118.94	11.38	7.6250	2.44
8F24N80H4Y3H6	88.75	24	480	4	107	77.44	9.38	7.6250	2.44
8F24N88B4S3H6	88.75	24	480	4	107	87.44	4.38	7.6250	2.44
8F18N120H4Y3H6	90.00	18	480	3	108	118.94	12.88	7.6250	2.44
8F24N88H4Y3H6	100.00	24	480	4	120	87.44	4.38	7.6250	2.44
8F24N95H4Y3H6	100.00	24	480	4	120	94.44	11.38	7.6250	2.44
8F24N106B4S3H6	100.00	24	480	4	120	104.94	11.38	7.6250	2.44
8F18N140H4Y3H6	105.00	18	480	3	126	138.94	15.38	7.6250	2.44
8F24N120B4S3H6	114.00	24	480	4	137	118.94	11.38	7.6250	2.44
8F24N120H4Y3H6	120.00	24	480	4	144	118.94	12.88	7.6250	2.44

600# Flanged Immersion Heaters - Type IF

8F18N160H4Y3H6	120.00	18	480	3	144	158.94	15.38	7.6250	2.44
8F24N140H4Y3H6	140.00	24	480	4	168	138.94	15.38	7.6250	2.44
8F24N160H4Y3H6	160.00	24	480	4	192	158.94	15.38	7.6250	2.44

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>
10F36N38B4S3H6	54.00	36	480	2	65	36.63	4.06	9.7500	2.75
10F36N43B4S3H6	60.00	36	480	2	72	41.13	4.06	9.7500	2.75
10F30N52H4Y3H6	60.00	30	480	2	72	50.13	4.06	9.7500	2.75
10F36N52H4Y3H6	72.00	36	480	2	87	50.13	4.06	9.7500	2.75
10F36N52B4S3H6	75.00	36	480	2	90	50.13	4.06	9.7500	2.75
10F36N57B4S3H6	75.00	36	480	2	90	55.13	9.06	9.7500	2.75
10F36N61B4S3H6	90.00	36	480	3	108	59.63	4.06	9.7500	2.75
10F36N68B4S3H6	90.00	36	480	3	108	66.63	11.06	9.7500	2.75
10F36N61H4Y3H6	100.00	36	480	3	120	59.63	4.06	9.7500	2.75
10F36N68H4Y3H6	100.00	36	480	3	120	66.63	11.06	9.7500	2.75
10F30N80H4Y3H6	111.00	30	480	5	134	77.13	9.06	9.7500	2.75
10F30N88B4S3H6	111.00	30	480	5	134	87.13	4.06	9.7500	2.75
10F30N88H4Y3H6	125.00	30	480	5	150	87.13	4.06	9.7500	2.75
10F30N95H4Y3H6	125.00	30	480	5	150	94.13	11.06	9.7500	2.75
10F30N106B4S3H6	125.00	30	480	5	150	104.63	11.06	9.7500	2.75
10F36N80H4Y3H6	133.00	36	480	4	160	77.13	9.06	9.7500	2.75
10F36N88B4S3H6	133.00	36	480	6	160	87.13	4.06	9.7500	2.75
10F30N120B4S3H6	142.50	30	480	5	171	118.63	11.06	9.7500	2.75
10F36N88H4Y3H6	150.00	36	480	4	180	87.13	4.06	9.7500	2.75
10F36N95H4Y3H6	150.00	36	480	4	180	94.13	11.06	9.7500	2.75
10F36N106B4S3H6	150.00	36	480	6	180	104.63	11.06	9.7500	2.75
10F30N120H4Y3H6	150.00	30	480	5	180	118.63	12.56	9.7500	2.75
10F36N120B4S3H6	171.00	36	480	6	206	118.63	11.06	9.7500	2.75
10F30N140H4Y3H6	175.00	30	480	5	210	138.63	15.06	9.7500	2.75
10F36N120H4Y3H6	180.00	36	480	6	217	118.63	12.56	9.7500	2.75
10F30N160H4Y3H6	200.00	30	480	5	241	158.63	15.06	9.7500	2.75
10F36N140H4Y3H6	210.00	36	480	6	253	138.63	15.06	9.7500	2.75
10F36N160H4Y3H6	240.00	36	480	6	289	158.63	15.06	9.7500	2.75

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>
12F48N43B4S3H6	80.00	48	480	2	96	41.00	3.94	11.7500	2.88
12F48N52H4Y3H6	96.00	48	480	4	115	50.00	3.94	11.7500	2.88
12F48N52B4S3H6	100.00	48	480	4	120	50.00	3.94	11.7500	2.88
12F48N57B4S3H6	100.00	48	480	4	120	55.00	8.94	11.7500	2.88
12F48N61B4S3H6	120.00	48	480	4	144	59.50	3.94	11.7500	2.88
12F48N68B4S3H6	120.00	48	480	4	144	66.50	10.94	11.7500	2.88
12F48N61H4Y3H6	133.00	48	480	4	160	59.50	3.94	11.7500	2.88
12F48N68H4Y3H6	133.00	48	480	4	160	66.50	10.94	11.7500	2.88
12F48N80H4Y3H6	177.50	48	480	8	214	77.00	8.94	11.7500	2.88
12F48N88B4S3H6	177.50	48	480	8	214	87.00	3.94	11.7500	2.88
12F54N80H4Y3H6	199.50	54	480	6	240	77.00	8.94	11.7500	2.88
12F54N88B4S3H6	199.50	54	480	9	240	87.00	3.94	11.7500	2.88
12F48N88H4Y3H6	200.00	48	480	8	241	87.00	3.94	11.7500	2.88
12F48N95H4Y3H6	200.00	48	480	8	241	94.00	10.94	11.7500	2.88
12F48N106B4S3H6	200.00	48	480	8	241	104.50	10.94	11.7500	2.88
12F54N88H4Y3H6	225.00	54	480	6	271	87.00	3.94	11.7500	2.88
12F54N95H4Y3H6	225.00	54	480	6	271	94.00	10.94	11.7500	2.88

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12F54N106B4S3H6	225.00	54	480	9	271	104.50	10.94	11.7500	2.88
12F48N120B4S3H6	228.00	48	480	8	274	118.50	10.94	11.7500	2.88
12F48N120H4Y3H6	240.00	48	480	8	289	118.50	12.44	11.7500	2.88
12F54N120B4S3H6	256.50	54	480	9	309	118.50	10.94	11.7500	2.88
12F54N120H4Y3H6	270.00	54	480	9	325	118.50	12.44	11.7500	2.88
12F48N140H4Y3H6	280.00	48	480	8	337	138.50	14.94	11.7500	2.88
12F54N140H4Y3H6	315.00	54	480	9	379	138.50	14.94	11.7500	2.88
12F48N160H4Y3H6	320.00	48	480	8	385	158.50	14.94	11.7500	2.88
12F54N160H4Y3H6	360.00	54	480	9	433	158.50	14.94	11.7500	2.88

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>
14F54N80H4Y3H6	199.50	54	480	6	240	76.88	8.81	13.0000	3.00
14F54N88B4S3H6	199.50	54	480	9	240	86.88	3.81	13.0000	3.00
14F60N80H4Y3H6	222.00	60	480	10	267	76.88	8.81	13.0000	3.00
14F60N88B4S3H6	222.00	60	480	10	267	86.88	3.81	13.0000	3.00
14F54N88H4Y3H6	225.00	54	480	6	271	86.88	3.81	13.0000	3.00
14F54N95H4Y3H6	225.00	54	480	6	271	93.88	10.81	13.0000	3.00
14F54N106B4S3H6	225.00	54	480	9	271	104.38	10.81	13.0000	3.00
14F60N88H4Y3H6	250.00	60	480	10	301	86.88	3.81	13.0000	3.00
14F60N95H4Y3H6	250.00	60	480	10	301	93.88	10.81	13.0000	3.00
14F60N106B4S3H6	250.00	60	480	10	301	104.38	10.81	13.0000	3.00
14F54N120B4S3H6	256.50	54	480	9	309	118.38	10.81	13.0000	3.00
14F72N80H4Y3H6	266.00	72	480	8	320	76.88	8.81	13.0000	3.00
14F72N88B4S3H6	266.00	72	480	12	320	86.88	3.81	13.0000	3.00
14F54N120H4Y3H6	270.00	54	480	9	325	118.38	12.31	13.0000	3.00
14F60N120B4S3H6	285.00	60	480	10	343	118.38	10.81	13.0000	3.00
14F72N88H4Y3H6	300.00	72	480	8	361	86.88	3.81	13.0000	3.00
14F72N95H4Y3H6	300.00	72	480	8	361	93.88	10.81	13.0000	3.00
14F72N106B4S3H6	300.00	72	480	12	361	104.38	10.81	13.0000	3.00
14F60N120H4Y3H6	300.00	60	480	10	361	118.38	12.31	13.0000	3.00
14F54N140H4Y3H6	315.00	54	480	9	379	138.38	14.81	13.0000	3.00
14F72N120B4S3H6	342.00	72	480	12	411	118.38	10.81	13.0000	3.00
14F60N140H4Y3H6	350.00	60	480	10	421	138.38	14.81	13.0000	3.00
14F72N120H4Y3H6	360.00	72	480	12	433	118.38	12.31	13.0000	3.00
14F54N160H4Y3H6	360.00	54	480	9	433	158.38	14.81	13.0000	3.00
14F60N160H4Y3H6	400.00	60	480	10	481	158.38	14.81	13.0000	3.00
14F72N140H4Y3H6	420.00	72	480	12	505	138.38	14.81	13.0000	3.00
14F72N160H4Y3H6	480.00	72	480	12	577	158.38	14.81	13.0000	3.00

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>
16F84N80H4Y3H6	310.50	84	480	14	373	76.63	8.56	15.0000	3.25
16F84N88B4S3H6	310.50	84	480	14	373	86.63	3.56	15.0000	3.25
16F90N80H4Y3H6	333.00	90	480	10	401	76.63	8.56	15.0000	3.25
16F90N88B4S3H6	333.00	90	480	15	401	86.63	3.56	15.0000	3.25
16F84N88H4Y3H6	350.00	84	480	14	421	86.63	3.56	15.0000	3.25
16F84N95H4Y3H6	350.00	84	480	14	421	93.63	10.56	15.0000	3.25
16F84N106B4S3H6	350.00	84	480	14	421	104.13	10.56	15.0000	3.25
16F96N80H4Y3H6	355.00	96	480	16	427	76.63	8.56	15.0000	3.25
16F96N88B4S3H6	355.00	96	480	16	427	86.63	3.56	15.0000	3.25
16F90N88H4Y3H6	375.00	90	480	10	451	86.63	3.56	15.0000	3.25
16F90N95H4Y3H6	375.00	90	480	10	451	93.63	10.56	15.0000	3.25
16F90N106B4S3H6	375.00	90	480	15	451	104.13	10.56	15.0000	3.25

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16F84N120B4S3H6	399.00	84	480	14	480	118.13	10.56	15.0000	3.25
16F96N88H4Y3H6	400.00	96	480	16	481	86.63	3.56	15.0000	3.25
16F96N95H4Y3H6	400.00	96	480	16	481	93.63	10.56	15.0000	3.25
16F96N106B4S3H6	400.00	96	480	16	481	104.13	10.56	15.0000	3.25
16F84N120H4Y3H6	420.00	84	480	14	505	118.13	12.06	15.0000	3.25
16F90N120B4S3H6	427.50	90	480	15	514	118.13	10.56	15.0000	3.25
16F90N120H4Y3H6	450.00	90	480	15	541	118.13	12.06	15.0000	3.25
16F96N120B4S3H6	456.00	96	480	16	548	118.13	10.56	15.0000	3.25
16F96N120H4Y3H6	480.00	96	480	16	577	118.13	12.06	15.0000	3.25
16F84N140H4Y3H6	490.00	84	480	14	589	138.13	14.56	15.0000	3.25
16F90N140H4Y3H6	525.00	90	480	15	631	138.13	14.56	15.0000	3.25
16F96N140H4Y3H6	560.00	96	480	16	674	138.13	14.56	15.0000	3.25
16F84N160H4Y3H6	560.00	84	480	14	674	158.13	14.56	15.0000	3.25
16F90N160H4Y3H6	600.00	90	480	15	722	158.13	14.56	15.0000	3.25
16F96N160H4Y3H6	640.00	96	480	16	770	158.13	14.56	15.0000	3.25

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>
18F108N88B4S3H6	399.50	108	480	18	481	86.38	3.31	17.0000	3.50
18F108N88H4Y3H6	450.00	108	480	12	541	86.38	3.31	17.0000	3.50
18F108N95H4Y3H6	450.00	108	480	12	541	93.38	10.31	17.0000	3.50
18F108N106B4S3H6	450.00	108	480	18	541	103.88	10.31	17.0000	3.50
18F108N120B4S3H6	513.00	108	480	18	617	117.88	10.31	17.0000	3.50
18F108N120H4Y3H6	540.00	108	480	18	650	117.88	11.81	17.0000	3.50
18F108N140H4Y3H6	630.00	108	480	18	758	137.88	14.31	17.0000	3.50
18F108N160H4Y3H6	720.00	108	480	18	866	157.88	14.31	17.0000	3.50

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>
20F120N88B4S3H6	444.00	120	480	20	534	86.13	3.06	19.0000	3.75
20F126N88B4S3H6	466.00	126	480	21	561	86.13	3.06	19.0000	3.75
20F132N88B4S3H6	488.00	132	480	22	587	86.13	3.06	19.0000	3.75
20F120N88H4Y3H6	500.00	120	480	20	601	86.13	3.06	19.0000	3.75
20F120N95H4Y3H6	500.00	120	480	20	601	93.13	10.06	19.0000	3.75
20F120N106B4S3H6	500.00	120	480	20	601	103.63	10.06	19.0000	3.75
20F126N88H4Y3H6	525.00	126	480	14	631	86.13	3.06	19.0000	3.75
20F126N95H4Y3H6	525.00	126	480	14	631	93.13	10.06	19.0000	3.75
20F126N106B4S3H6	525.00	126	480	21	631	103.63	10.06	19.0000	3.75
20F144N88B4S3H6	533.00	144	480	24	641	86.13	3.06	19.0000	3.75
20F132N88H4Y3H6	550.00	132	480	22	662	86.13	3.06	19.0000	3.75
20F132N95H4Y3H6	550.00	132	480	22	662	93.13	10.06	19.0000	3.75
20F132N106B4S3H6	550.00	132	480	22	662	103.63	10.06	19.0000	3.75
20F120N120B4S3H6	570.00	120	480	20	686	117.63	10.06	19.0000	3.75
20F162N88B4S3H6	599.00	162	480	27	721	86.13	3.06	19.0000	3.75
20F126N120B4S3H6	599.00	126	480	21	721	117.63	10.06	19.0000	3.75
20F144N88H4Y3H6	600.00	144	480	24	722	86.13	3.06	19.0000	3.75
20F144N95H4Y3H6	600.00	144	480	24	722	93.13	10.06	19.0000	3.75
20F144N106B4S3H6	600.00	144	480	24	722	103.63	10.06	19.0000	3.75
20F120N120H4Y3H6	600.00	120	480	20	722	117.63	11.56	19.0000	3.75
20F132N120B4S3H6	627.00	132	480	22	754	117.63	10.06	19.0000	3.75
20F126N120H4Y3H6	630.00	126	480	21	758	117.63	11.56	19.0000	3.75
20F132N120H4Y3H6	660.00	132	480	22	794	117.63	11.56	19.0000	3.75
20F180N88B4S3H6	666.00	180	480	20	801	86.13	3.06	19.0000	3.75
20F162N88H4Y3H6	675.00	162	480	18	812	86.13	3.06	19.0000	3.75

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20F162N95H4Y3H6	675.00	162	480	18	812	93.13	10.06	19.0000	3.75
20F162N106B4S3H6	675.00	162	480	27	812	103.63	10.06	19.0000	3.75
20F144N120B4S3H6	684.00	144	480	24	823	117.63	10.06	19.0000	3.75
20F120N140H4Y3H6	700.00	120	480	20	842	137.63	14.06	19.0000	3.75
20F144N120H4Y3H6	720.00	144	480	24	866	117.63	11.56	19.0000	3.75
20F126N140H4Y3H6	735.00	126	480	21	884	137.63	14.06	19.0000	3.75
20F180N88H4Y3H6	750.00	180	480	20	902	86.13	3.06	19.0000	3.75
20F180N95H4Y3H6	750.00	180	480	20	902	93.13	10.06	19.0000	3.75
20F180N106B4S3H6	750.00	180	480	20	902	103.63	10.06	19.0000	3.75
20F162N120B4S3H6	770.00	162	480	27	926	117.63	10.06	19.0000	3.75
20F132N140H4Y3H6	770.00	132	480	22	926	137.63	14.06	19.0000	3.75
20F120N160H4Y3H6	800.00	120	480	20	962	157.63	14.06	19.0000	3.75
20F162N120H4Y3H6	810.00	162	480	27	974	117.63	11.56	19.0000	3.75
20F144N140H4Y3H6	840.00	144	480	24	1,010	137.63	14.06	19.0000	3.75
20F126N160H4Y3H6	840.00	126	480	21	1,010	157.63	14.06	19.0000	3.75
20F180N120B4S3H6	855.00	180	480	30	1,028	117.63	10.06	19.0000	3.75
20F132N160H4Y3H6	880.00	132	480	22	1,059	157.63	14.06	19.0000	3.75
20F180N120H4Y3H6	900.00	180	480	30	1,083	117.63	11.56	19.0000	3.75
20F162N140H4Y3H6	945.00	162	480	27	1,137	137.63	14.06	19.0000	3.75
20F144N160H4Y3H6	960.00	144	480	24	1,155	157.63	14.06	19.0000	3.75
20F180N140H4Y3H6	1,050.00	180	480	30	1,263	137.63	14.06	19.0000	3.75
20F162N160H4Y3H6	1,080.00	162	480	27	1,299	157.63	14.06	19.0000	3.75
20F180N160H4Y3H6	1,200.00	180	480	30	1,443	157.63	14.06	19.0000	3.75

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>
24F192N95H4Y3H6	800.00	192	480	32	962	92.63	9.56	23.0000	4.25
24F192N106B4S3H6	800.00	192	480	32	962	103.13	9.56	23.0000	4.25
24F216N95H4Y3H6	900.00	216	480	24	1,083	92.63	9.56	23.0000	4.25
24F216N106B4S3H6	900.00	216	480	36	1,083	103.13	9.56	23.0000	4.25
24F192N120B4S3H6	912.00	192	480	32	1,097	117.13	9.56	23.0000	4.25
24F192N120H4Y3H6	960.00	192	480	32	1,155	117.13	11.06	23.0000	4.25
24F234N95H4Y3H6	975.00	234	480	26	1,173	92.63	9.56	23.0000	4.25
24F234N106B4S3H6	975.00	234	480	39	1,173	103.13	9.56	23.0000	4.25
24F240N95H4Y3H6	1,000.00	240	480	40	1,203	92.63	9.56	23.0000	4.25
24F240N106B4S3H6	1,000.00	240	480	40	1,203	103.13	9.56	23.0000	4.25
24F216N120B4S3H6	1,026.00	216	480	36	1,234	117.13	9.56	23.0000	4.25
24F216N120H4Y3H6	1,080.00	216	480	36	1,299	117.13	11.06	23.0000	4.25
24F234N120B4S3H6	1,112.00	234	480	39	1,338	117.13	9.56	23.0000	4.25
24F192N140H4Y3H6	1,120.00	192	480	32	1,347	137.13	13.56	23.0000	4.25
24F240N120B4S3H6	1,140.00	240	480	40	1,371	117.13	9.56	23.0000	4.25
24F234N120H4Y3H6	1,170.00	234	480	39	1,407	117.13	11.06	23.0000	4.25
24F240N120H4Y3H6	1,200.00	240	480	40	1,443	117.13	11.06	23.0000	4.25
24F216N140H4Y3H6	1,260.00	216	480	36	1,516	137.13	13.56	23.0000	4.25
24F192N160H4Y3H6	1,280.00	192	480	32	1,540	157.13	13.56	23.0000	4.25
24F234N140H4Y3H6	1,365.00	234	480	39	1,642	137.13	13.56	23.0000	4.25
24F240N140H4Y3H6	1,400.00	240	480	40	1,684	137.13	13.56	23.0000	4.25
24F216N160H4Y3H6	1,440.00	216	480	36	1,732	157.13	13.56	23.0000	4.25
24F234N160H4Y3H6	1,560.00	234	480	39	1,876	157.13	13.56	23.0000	4.25
24F240N160H4Y3H6	1,600.00	240	480	40	1,925	157.13	13.56	23.0000	4.25

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>
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600# Flanged Immersion Heaters - Type IF

3F3N48F4Y3H6	3.25	3	480	1	4	47.88	16.31	2.9000	1.50
3F3N61F4Y3H6	5.00	3	480	1	6	60.88	13.31	2.9000	1.50
3F3N77F4Y3H6	6.63	3	480	1	8	76.88	13.31	2.9000	1.50
3F3N84F4Y3H6	6.63	3	240	1	16	83.88	16.31	2.9000	1.50
3F3N93F4Y3H6	8.25	3	480	1	10	92.88	13.31	2.9000	1.50
3F3N111F4Y3H6	10.00	3	240	1	24	-1.63	16.31	2.9000	1.50
3F3N120F4Y3H6	10.00	3	480	1	12	110.88	16.31	2.9000	1.50
3F3N144F4Y3H6	13.25	3	480	1	16	143.88	16.31	2.9000	1.50

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>
4F6N10H4S3H6	1.50	6	480	1	2	9.63	3.06	3.8260	1.75
4F6N18H4S3H6	3.00	6	480	1	4	17.13	3.06	3.8260	1.75
4F6N18H2S3H6	3.00	6	240	1	7	17.13	3.06	3.8260	1.75
4F6N20H4S3H6	3.75	6	480	1	5	19.13	3.06	3.8260	1.75
4F6N20H2S3H6	3.75	6	240	1	9	19.13	3.06	3.8260	1.75
4F6N25H2S3H6	4.50	6	240	1	11	24.63	3.06	3.8260	1.75
4F6N25H4S3H6	4.50	6	480	1	5	24.63	3.06	3.8260	1.75
4F6N33H2S3H6	6.00	6	240	1	14	32.13	3.06	3.8260	1.75
4F6N33H4S3H6	6.00	6	480	1	7	32.13	3.06	3.8260	1.75
4F6N48F4Y3H6	6.63	6	480	1	8	47.63	16.06	3.8260	1.75
4F6N40H4S3H6	7.50	6	480	1	9	39.63	3.06	3.8260	1.75
4F6N40H2S3H6	7.50	6	240	1	18	39.63	3.06	3.8260	1.75
4F6N48H4S3H6	9.00	6	480	1	11	47.13	3.06	3.8260	1.75
4F6N52H4S3H6	9.00	6	480	1	11	51.13	5.06	3.8260	1.75
4F6N61F4Y3H6	10.00	6	480	1	12	60.63	13.06	3.8260	1.75
4F6N61H4S3H6	12.50	6	480	1	15	60.63	5.06	3.8260	1.75
4F6N68H4S3H6	12.50	6	480	1	15	67.63	12.06	3.8260	1.75
4F6N77F4Y3H6	13.25	6	480	1	16	76.63	13.06	3.8260	1.75
4F6N84F4Y3H6	13.25	6	240	1	32	83.63	16.06	3.8260	1.75
4F6N80H4S3H6	16.50	6	480	1	20	78.13	10.06	3.8260	1.75
4F6N93F4Y3H6	16.50	6	480	1	20	92.63	13.06	3.8260	1.75
4F6N88H4S3H6	18.75	6	480	1	23	88.13	5.06	3.8260	1.75
4F6N95H4S3H6	18.75	6	480	1	23	95.13	12.06	3.8260	1.75
4F6N111F4Y3H6	20.00	6	240	1	48	-1.88	16.06	3.8260	1.75
4F6N120F4Y3H6	20.00	6	480	1	24	110.63	16.06	3.8260	1.75
4F6N120H4S3H6	22.50	6	480	1	27	119.63	13.56	3.8260	1.75
4F6N140H4S3H6	26.25	6	480	1	32	139.63	16.06	3.8260	1.75
4F6N144F4Y3H6	26.50	6	480	1	32	143.63	16.06	3.8260	1.75
4F6N160H4S3H6	30.00	6	480	1	36	159.63	16.06	3.8260	1.75

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>
5F9N48F4Y3H6	9.88	9	480	1	12	47.38	15.81	4.8125	2.00
5F9N61F4Y3H6	15.00	9	480	1	18	60.38	12.81	4.8125	2.00
5F9N77F4Y3H6	19.75	9	480	1	24	76.38	12.81	4.8125	2.00
5F9N84F4Y3H6	20.00	9	240	1	48	83.38	15.81	4.8125	2.00
5F9N93F4Y3H6	24.75	9	480	1	30	92.38	12.81	4.8125	2.00
5F9N120F4Y3H6	30.00	9	480	1	36	110.38	15.81	4.8125	2.00
5F9N144F4Y3H6	40.00	9	480	1	48	143.38	15.81	4.8125	2.00

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>
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600# Flanged Immersion Heaters - Type IF

6F12N48F4Y3H6	13.25	12	480	1	16	47.25	15.69	5.7610	2.13
6F15N48F4Y3H6	16.50	15	480	1	20	47.25	15.69	5.7610	2.13
6F12N52H4S3H6	18.00	12	480	1	22	50.75	4.69	5.7610	2.13
6F12N61F4Y3H6	20.00	12	480	1	24	60.25	12.69	5.7610	2.13
6F12N61H4S3H6	25.00	12	480	1	30	60.25	4.69	5.7610	2.13
6F15N61F4Y3H6	25.00	15	480	1	30	60.25	12.69	5.7610	2.13
6F12N68H4S3H6	25.00	12	480	1	30	67.25	11.69	5.7610	2.13
6F12N77F4Y3H6	26.50	12	480	1	32	76.25	12.69	5.7610	2.13
6F12N84F4Y3H6	26.50	12	240	2	64	83.25	15.69	5.7610	2.13
6F15N77F4Y3H6	33.25	15	480	1	40	76.25	12.69	5.7610	2.13
6F12N80H4S3H6	33.25	12	480	1	40	77.75	9.69	5.7610	2.13
6F12N93F4Y3H6	33.25	12	480	1	40	92.25	12.69	5.7610	2.13
6F12N88H4S3H6	37.50	12	480	1	45	87.75	4.69	5.7610	2.13
6F12N95H4S3H6	37.50	12	480	1	45	94.75	11.69	5.7610	2.13
6F12N111F4Y3H6	40.00	12	240	2	96	-2.25	15.69	5.7610	2.13
6F12N120F4Y3H6	40.00	12	480	1	48	110.25	15.69	5.7610	2.13
6F12N120H4S3H6	45.00	12	480	2	54	119.25	13.19	5.7610	2.13
6F12N140H4S3H6	52.50	12	480	2	63	139.25	15.69	5.7610	2.13
6F12N144F4Y3H6	53.25	12	480	2	64	143.25	15.69	5.7610	2.13
6F12N160H4S3H6	60.00	12	480	2	72	159.25	15.69	5.7610	2.13

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>
8F18N48F4Y3H6	20.00	18	480	1	24	46.94	15.38	7.6250	2.44
8F24N48F4Y3H6	26.50	24	480	1	32	46.94	15.38	7.6250	2.44
8F18N52H4S3H6	27.00	18	480	1	32	50.44	4.38	7.6250	2.44
8F18N61F4Y3H6	30.00	18	480	1	36	59.94	12.38	7.6250	2.44
8F24N52H4S3H6	36.00	24	480	1	43	50.44	4.38	7.6250	2.44
8F18N61H4S3H6	37.50	18	480	1	45	59.94	4.38	7.6250	2.44
8F18N68H4S3H6	37.50	18	480	1	45	66.94	11.38	7.6250	2.44
8F18N77F4Y3H6	39.75	18	480	1	48	75.94	12.38	7.6250	2.44
8F24N61F4Y3H6	40.00	24	480	1	48	59.94	12.38	7.6250	2.44
8F18N93F4Y3H6	49.75	18	480	2	60	91.94	12.38	7.6250	2.44
8F24N61H4S3H6	50.00	24	480	2	60	59.94	4.38	7.6250	2.44
8F24N68H4S3H6	50.00	24	480	2	60	66.94	11.38	7.6250	2.44
8F24N77F4Y3H6	53.25	24	480	2	64	75.94	12.38	7.6250	2.44
8F18N120F4Y3H6	60.00	18	480	2	72	109.94	15.38	7.6250	2.44
8F24N80H4S3H6	66.50	24	480	2	80	77.44	9.38	7.6250	2.44
8F24N93F4Y3H6	66.50	24	480	2	80	91.94	12.38	7.6250	2.44
8F18N120H4S3H6	67.50	18	480	3	81	118.94	12.88	7.6250	2.44
8F24N88H4S3H6	75.00	24	480	2	90	87.44	4.38	7.6250	2.44
8F24N95H4S3H6	75.00	24	480	2	90	94.44	11.38	7.6250	2.44
8F18N140H4S3H6	78.75	18	480	3	95	138.94	15.38	7.6250	2.44
8F18N144F4Y3H6	79.75	18	480	2	96	142.94	15.38	7.6250	2.44
8F24N120F4Y3H6	80.00	24	480	2	96	109.94	15.38	7.6250	2.44
8F24N120H4S3H6	90.00	24	480	4	108	118.94	12.88	7.6250	2.44
8F18N160H4S3H6	90.00	18	480	3	108	158.94	15.38	7.6250	2.44
8F24N140H4S3H6	105.00	24	480	4	126	138.94	15.38	7.6250	2.44
8F24N144F4Y3H6	106.50	24	480	4	128	142.94	15.38	7.6250	2.44
8F24N160H4S3H6	120.00	24	480	4	144	158.94	15.38	7.6250	2.44

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>
10F30N48F4Y3H6	33.25	30	480	1	40	46.63	15.06	9.7500	2.75

600# Flanged Immersion Heaters - Type IF

10F36N48F4Y3H6	40.00	36	480	1	48	46.63	15.06	9.7500	2.75
10F30N61F4Y3H6	50.00	30	480	2	60	59.63	12.06	9.7500	2.75
10F36N52H4S3H6	54.00	36	480	2	65	50.13	4.06	9.7500	2.75
10F36N61F4Y3H6	60.00	36	480	2	72	59.63	12.06	9.7500	2.75
10F30N77F4Y3H6	66.50	30	480	2	80	75.63	12.06	9.7500	2.75
10F36N61H4S3H6	75.00	36	480	2	90	59.63	4.06	9.7500	2.75
10F36N68H4S3H6	75.00	36	480	2	90	66.63	11.06	9.7500	2.75
10F36N77F4Y3H6	79.75	36	480	2	96	75.63	12.06	9.7500	2.75
10F36N80H4S3H6	99.75	36	480	3	120	77.13	9.06	9.7500	2.75
10F36N93F4Y3H6	99.75	36	480	3	120	91.63	12.06	9.7500	2.75
10F30N120F4Y3H6	100.00	30	480	5	120	109.63	15.06	9.7500	2.75
10F36N88H4S3H6	112.50	36	480	3	135	87.13	4.06	9.7500	2.75
10F36N95H4S3H6	112.50	36	480	3	135	94.13	11.06	9.7500	2.75
10F30N120H4S3H6	112.50	30	480	5	135	118.63	12.56	9.7500	2.75
10F36N120F4Y3H6	120.00	36	480	3	144	109.63	15.06	9.7500	2.75
10F30N140H4S3H6	131.00	30	480	5	158	138.63	15.06	9.7500	2.75
10F30N144F4Y3H6	133.00	30	480	5	160	142.63	15.06	9.7500	2.75
10F36N120H4S3H6	135.00	36	480	6	162	118.63	12.56	9.7500	2.75
10F30N160H4S3H6	150.00	30	480	5	180	158.63	15.06	9.7500	2.75
10F36N140H4S3H6	157.50	36	480	6	189	138.63	15.06	9.7500	2.75
10F36N144F4Y3H6	160.00	36	480	4	192	142.63	15.06	9.7500	2.75
10F36N160H4S3H6	180.00	36	480	6	217	158.63	15.06	9.7500	2.75

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>
12F48N48F4Y3H6	53.25	48	480	2	64	46.50	14.94	11.7500	2.88
12F48N52H4S3H6	72.00	48	480	2	87	50.00	3.94	11.7500	2.88
12F48N61F4Y3H6	80.00	48	480	2	96	59.50	11.94	11.7500	2.88
12F48N61H4S3H6	100.00	48	480	4	120	59.50	3.94	11.7500	2.88
12F48N68H4S3H6	100.00	48	480	4	120	66.50	10.94	11.7500	2.88
12F48N77F4Y3H6	106.50	48	480	4	128	75.50	11.94	11.7500	2.88
12F48N80H4S3H6	133.00	48	480	4	160	77.00	8.94	11.7500	2.88
12F48N93F4Y3H6	133.00	48	480	4	160	91.50	11.94	11.7500	2.88
12F54N93F4Y3H6	149.50	54	480	6	180	91.50	11.94	11.7500	2.88
12F48N88H4S3H6	150.00	48	480	4	180	87.00	3.94	11.7500	2.88
12F48N95H4S3H6	150.00	48	480	4	180	94.00	10.94	11.7500	2.88
12F48N120F4Y3H6	160.00	48	480	4	192	109.50	14.94	11.7500	2.88
12F54N120F4Y3H6	180.00	54	480	6	217	109.50	14.94	11.7500	2.88
12F48N120H4S3H6	180.00	48	480	8	217	118.50	12.44	11.7500	2.88
12F54N120H4S3H6	202.50	54	480	9	244	118.50	12.44	11.7500	2.88
12F48N140H4S3H6	210.00	48	480	8	253	138.50	14.94	11.7500	2.88
12F48N144F4Y3H6	213.00	48	480	8	256	142.50	14.94	11.7500	2.88
12F54N140H4S3H6	236.00	54	480	9	284	138.50	14.94	11.7500	2.88
12F54N144F4Y3H6	239.50	54	480	6	288	142.50	14.94	11.7500	2.88
12F48N160H4S3H6	240.00	48	480	8	289	158.50	14.94	11.7500	2.88
12F54N160H4S3H6	270.00	54	480	9	325	158.50	14.94	11.7500	2.88

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>
14F54N93F4Y3H6	149.50	54	480	6	180	91.38	11.81	13.0000	3.00
14F60N80H4S3H6	166.50	60	480	5	200	76.88	8.81	13.0000	3.00
14F60N93F4Y3H6	166.50	60	480	5	200	91.38	11.81	13.0000	3.00
14F54N120F4Y3H6	180.00	54	480	6	217	109.38	14.81	13.0000	3.00
14F60N88H4S3H6	187.50	60	480	5	226	86.88	3.81	13.0000	3.00

600# Flanged Immersion Heaters - Type IF

14F60N95H4S3H6	187.50	60	480	5	226	93.88	10.81	13.0000	3.00
14F72N80H4S3H6	199.50	72	480	6	240	76.88	8.81	13.0000	3.00
14F72N93F4Y3H6	199.50	72	480	6	240	91.38	11.81	13.0000	3.00
14F60N120F4Y3H6	200.00	60	480	5	241	109.38	14.81	13.0000	3.00
14F54N120H4S3H6	202.50	54	480	9	244	118.38	12.31	13.0000	3.00
14F72N88H4S3H6	225.00	72	480	6	271	86.88	3.81	13.0000	3.00
14F72N95H4S3H6	225.00	72	480	6	271	93.88	10.81	13.0000	3.00
14F60N120H4S3H6	225.00	60	480	10	271	118.38	12.31	13.0000	3.00
14F54N140H4S3H6	236.00	54	480	9	284	138.38	14.81	13.0000	3.00
14F54N144F4Y3H6	239.50	54	480	6	288	142.38	14.81	13.0000	3.00
14F72N120F4Y3H6	240.00	72	480	6	289	109.38	14.81	13.0000	3.00
14F60N140H4S3H6	262.50	60	480	10	316	138.38	14.81	13.0000	3.00
14F60N144F4Y3H6	266.50	60	480	10	321	142.38	14.81	13.0000	3.00
14F72N120H4S3H6	270.00	72	480	12	325	118.38	12.31	13.0000	3.00
14F54N160H4S3H6	270.00	54	480	9	325	158.38	14.81	13.0000	3.00
14F60N160H4S3H6	300.00	60	480	10	361	158.38	14.81	13.0000	3.00
14F72N140H4S3H6	315.00	72	480	12	379	138.38	14.81	13.0000	3.00
14F72N144F4Y3H6	319.50	72	480	8	384	142.38	14.81	13.0000	3.00
14F72N160H4S3H6	360.00	72	480	12	433	158.38	14.81	13.0000	3.00

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>
16F84N80H4S3H6	233.00	84	480	7	280	76.63	8.56	15.0000	3.25
16F84N93F4Y3H6	233.00	84	480	7	280	91.13	11.56	15.0000	3.25
16F90N80H4S3H6	249.50	90	480	15	300	76.63	8.56	15.0000	3.25
16F90N93F4Y3H6	249.50	90	480	10	300	91.13	11.56	15.0000	3.25
16F84N88H4S3H6	262.50	84	480	7	316	86.63	3.56	15.0000	3.25
16F84N95H4S3H6	262.50	84	480	7	316	93.63	10.56	15.0000	3.25
16F96N80H4S3H6	266.00	96	480	8	320	76.63	8.56	15.0000	3.25
16F96N93F4Y3H6	266.50	96	480	8	321	91.13	11.56	15.0000	3.25
16F84N120F4Y3H6	280.00	84	480	7	337	109.13	14.56	15.0000	3.25
16F90N88H4S3H6	281.00	90	480	15	338	86.63	3.56	15.0000	3.25
16F90N95H4S3H6	281.00	90	480	15	338	93.63	10.56	15.0000	3.25
16F96N88H4S3H6	300.00	96	480	8	361	86.63	3.56	15.0000	3.25
16F96N95H4S3H6	300.00	96	480	8	361	93.63	10.56	15.0000	3.25
16F90N120F4Y3H6	300.00	90	480	10	361	109.13	14.56	15.0000	3.25
16F84N120H4S3H6	315.00	84	480	14	379	118.13	12.06	15.0000	3.25
16F96N120F4Y3H6	320.00	96	480	8	385	109.13	14.56	15.0000	3.25
16F90N120H4S3H6	337.50	90	480	15	406	118.13	12.06	15.0000	3.25
16F96N120H4S3H6	360.00	96	480	16	433	118.13	12.06	15.0000	3.25
16F84N140H4S3H6	367.50	84	480	14	442	138.13	14.56	15.0000	3.25
16F84N144F4Y3H6	373.00	84	480	14	449	142.13	14.56	15.0000	3.25
16F90N140H4S3H6	393.50	90	480	15	473	138.13	14.56	15.0000	3.25
16F90N144F4Y3H6	399.50	90	480	10	481	142.13	14.56	15.0000	3.25
16F96N140H4S3H6	420.00	96	480	16	505	138.13	14.56	15.0000	3.25
16F84N160H4S3H6	420.00	84	480	14	505	158.13	14.56	15.0000	3.25
16F96N144F4Y3H6	426.50	96	480	16	513	142.13	14.56	15.0000	3.25
16F90N160H4S3H6	450.00	90	480	15	541	158.13	14.56	15.0000	3.25
16F96N160H4S3H6	480.00	96	480	16	577	158.13	14.56	15.0000	3.25

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>
18F108N93F4Y3H6	299.50	108	480	9	360	90.88	11.31	17.0000	3.50
18F108N88H4S3H6	337.50	108	480	9	406	86.38	3.31	17.0000	3.50

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18F108N95H4S3H6	337.50	108	480	9	406	93.38	10.31	17.0000	3.50
18F108N120F4Y3H6	360.00	108	480	9	433	108.88	14.31	17.0000	3.50
18F108N120H4S3H6	405.00	108	480	18	487	117.88	11.81	17.0000	3.50
18F108N140H4S3H6	472.50	108	480	18	568	137.88	14.31	17.0000	3.50
18F108N144F4Y3H6	479.50	108	480	12	577	141.88	14.31	17.0000	3.50
18F108N160H4S3H6	540.00	108	480	18	650	157.88	14.31	17.0000	3.50

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>
20F120N93F4Y3H6	333.00	120	480	10	401	90.63	11.06	19.0000	3.75
20F126N93F4Y3H6	349.50	126	480	14	420	90.63	11.06	19.0000	3.75
20F132N93F4Y3H6	366.50	132	480	11	441	90.63	11.06	19.0000	3.75
20F120N88H4S3H6	375.00	120	480	10	451	86.13	3.06	19.0000	3.75
20F120N95H4S3H6	375.00	120	480	10	451	93.13	10.06	19.0000	3.75
20F144N93F4Y3H6	399.50	144	480	12	481	90.63	11.06	19.0000	3.75
20F120N120F4Y3H6	400.00	120	480	10	481	108.63	14.06	19.0000	3.75
20F132N88H4S3H6	412.50	132	480	11	496	86.13	3.06	19.0000	3.75
20F132N95H4S3H6	412.50	132	480	11	496	93.13	10.06	19.0000	3.75
20F126N120F4Y3H6	420.00	126	480	14	505	108.63	14.06	19.0000	3.75
20F132N120F4Y3H6	440.00	132	480	11	529	108.63	14.06	19.0000	3.75
20F162N93F4Y3H6	449.50	162	480	18	541	90.63	11.06	19.0000	3.75
20F144N88H4S3H6	450.00	144	480	12	541	86.13	3.06	19.0000	3.75
20F144N95H4S3H6	450.00	144	480	12	541	93.13	10.06	19.0000	3.75
20F120N120H4S3H6	450.00	120	480	20	541	117.63	11.56	19.0000	3.75
20F126N120H4S3H6	472.50	126	480	21	568	117.63	11.56	19.0000	3.75
20F144N120F4Y3H6	480.00	144	480	12	577	108.63	14.06	19.0000	3.75
20F132N120H4S3H6	495.00	132	480	22	595	117.63	11.56	19.0000	3.75
20F180N93F4Y3H6	500.00	180	480	15	601	90.63	11.06	19.0000	3.75
20F120N140H4S3H6	525.00	120	480	20	631	137.63	14.06	19.0000	3.75
20F120N144F4Y3H6	533.00	120	480	20	641	141.63	14.06	19.0000	3.75
20F162N120F4Y3H6	540.00	162	480	18	650	108.63	14.06	19.0000	3.75
20F144N120H4S3H6	540.00	144	480	24	650	117.63	11.56	19.0000	3.75
20F126N140H4S3H6	551.00	126	480	21	663	137.63	14.06	19.0000	3.75
20F126N144F4Y3H6	560.00	126	480	14	674	141.63	14.06	19.0000	3.75
20F180N88H4S3H6	563.00	180	480	15	677	86.13	3.06	19.0000	3.75
20F180N95H4S3H6	563.00	180	480	15	677	93.13	10.06	19.0000	3.75
20F132N140H4S3H6	578.00	132	480	22	695	137.63	14.06	19.0000	3.75
20F132N144F4Y3H6	587.00	132	480	22	706	141.63	14.06	19.0000	3.75
20F180N120F4Y3H6	600.00	180	480	15	722	108.63	14.06	19.0000	3.75
20F120N160H4S3H6	600.00	120	480	20	722	157.63	14.06	19.0000	3.75
20F162N120H4S3H6	608.00	162	480	27	731	117.63	11.56	19.0000	3.75
20F144N140H4S3H6	630.00	144	480	24	758	137.63	14.06	19.0000	3.75
20F126N160H4S3H6	630.00	126	480	21	758	157.63	14.06	19.0000	3.75
20F144N144F4Y3H6	640.00	144	480	24	770	141.63	14.06	19.0000	3.75
20F132N160H4S3H6	660.00	132	480	22	794	157.63	14.06	19.0000	3.75
20F180N120H4S3H6	675.00	180	480	20	812	117.63	11.56	19.0000	3.75
20F162N140H4S3H6	709.00	162	480	27	853	137.63	14.06	19.0000	3.75
20F162N144F4Y3H6	720.00	162	480	18	866	141.63	14.06	19.0000	3.75
20F144N160H4S3H6	720.00	144	480	24	866	157.63	14.06	19.0000	3.75
20F180N140H4S3H6	788.00	180	480	20	948	137.63	14.06	19.0000	3.75
20F180N144F4Y3H6	800.00	180	480	20	962	141.63	14.06	19.0000	3.75
20F162N160H4S3H6	810.00	162	480	27	974	157.63	14.06	19.0000	3.75
20F180N160H4S3H6	900.00	180	480	30	1,083	157.63	14.06	19.0000	3.75

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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>
24F192N93F4Y3H6	533.00	192	480	16	641	90.13	10.56	23.0000	4.25
24F216N93F4Y3H6	600.00	216	480	18	722	90.13	10.56	23.0000	4.25
24F192N95H4S3H6	600.00	192	480	16	722	92.63	9.56	23.0000	4.25
24F192N120F4Y3H6	640.00	192	480	16	770	108.13	13.56	23.0000	4.25
24F234N93F4Y3H6	650.00	234	480	26	782	90.13	10.56	23.0000	4.25
24F240N93F4Y3H6	667.00	240	480	20	802	90.13	10.56	23.0000	4.25
24F216N95H4S3H6	675.00	216	480	18	812	92.63	9.56	23.0000	4.25
24F216N120F4Y3H6	720.00	216	480	18	866	108.13	13.56	23.0000	4.25
24F192N120H4S3H6	720.00	192	480	32	866	117.13	11.06	23.0000	4.25
24F240N95H4S3H6	750.00	240	480	20	902	92.63	9.56	23.0000	4.25
24F234N120F4Y3H6	780.00	234	480	26	938	108.13	13.56	23.0000	4.25
24F240N120F4Y3H6	800.00	240	480	20	962	108.13	13.56	23.0000	4.25
24F216N120H4S3H6	810.00	216	480	36	974	117.13	11.06	23.0000	4.25
24F192N140H4S3H6	840.00	192	480	32	1,010	137.13	13.56	23.0000	4.25
24F192N144F4Y3H6	853.00	192	480	32	1,026	141.13	13.56	23.0000	4.25
24F234N120H4S3H6	878.00	234	480	39	1,056	117.13	11.06	23.0000	4.25
24F240N120H4S3H6	900.00	240	480	40	1,083	117.13	11.06	23.0000	4.25
24F216N140H4S3H6	945.00	216	480	36	1,137	137.13	13.56	23.0000	4.25
24F216N144F4Y3H6	960.00	216	480	24	1,155	141.13	13.56	23.0000	4.25
24F192N160H4S3H6	960.00	192	480	32	1,155	157.13	13.56	23.0000	4.25
24F234N140H4S3H6	1,024.00	234	480	39	1,232	137.13	13.56	23.0000	4.25
24F234N144F4Y3H6	1,040.00	234	480	26	1,251	141.13	13.56	23.0000	4.25
24F240N140H4S3H6	1,050.00	240	480	40	1,263	137.13	13.56	23.0000	4.25
24F240N144F4Y3H6	1,067.00	240	480	40	1,283	141.13	13.56	23.0000	4.25
24F216N160H4S3H6	1,080.00	216	480	36	1,299	157.13	13.56	23.0000	4.25
24F234N160H4S3H6	1,170.00	234	480	39	1,407	157.13	13.56	23.0000	4.25
24F240N160H4S3H6	1,200.00	240	480	40	1,443	157.13	13.56	23.0000	4.25

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>
3F3N44G4Y3H6	3.00	3	480	1	4	43.88	10.31	2.9000	1.50
3F3N56G4Y3H6	4.00	3	480	1	5	55.88	10.31	2.9000	1.50
3F3N67G4Y3H6	5.00	3	480	1	6	66.88	10.31	2.9000	1.50
3F3N80G4Y3H6	6.00	3	480	1	7	79.88	12.31	2.9000	1.50
3F3N100G4Y3H6	7.50	3	480	1	9	99.88	12.31	2.9000	1.50
3F3N120G4Y3H6	9.50	3	480	1	11	119.88	12.31	2.9000	1.50
3F3N140G4Y3H6	11.00	3	480	1	13	139.88	16.31	2.9000	1.50
3F3N160G4Y3H6	13.00	3	480	1	16	159.88	16.31	2.9000	1.50

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>
4F6N44G4Y3H6	6.00	6	480	1	7	43.63	10.06	3.8260	1.75
4F6N56G4Y3H6	8.00	6	480	1	10	55.63	10.06	3.8260	1.75
4F6N67G4Y3H6	10.00	6	480	1	12	66.63	10.06	3.8260	1.75
4F6N80G4Y3H6	12.00	6	480	1	14	79.63	12.06	3.8260	1.75
4F6N100G4Y3H6	15.00	6	480	1	18	99.63	12.06	3.8260	1.75
4F6N120G4Y3H6	19.00	6	480	1	23	119.63	12.06	3.8260	1.75
4F6N140G4Y3H6	22.00	6	480	1	26	139.63	16.06	3.8260	1.75
4F6N160G4Y3H6	26.00	6	480	1	31	159.63	16.06	3.8260	1.75

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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>
5F9N44G4Y3H6	9.00	9	480	1	11	43.38	9.81	4.8125	2.00
5F9N56G4Y3H6	12.00	9	480	1	14	55.38	9.81	4.8125	2.00
5F9N67G4Y3H6	15.00	9	480	1	18	66.38	9.81	4.8125	2.00
5F9N80G4Y3H6	18.00	9	480	1	22	79.38	11.81	4.8125	2.00
5F9N100G4Y3H6	22.50	9	480	1	27	99.38	11.81	4.8125	2.00
5F9N120G4Y3H6	28.50	9	480	1	34	119.38	11.81	4.8125	2.00
5F9N140G4Y3H6	33.00	9	480	1	40	139.38	15.81	4.8125	2.00
5F9N160G4Y3H6	39.00	9	480	1	47	159.38	15.81	4.8125	2.00

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>
6F12N44G4Y3H6	12.00	12	480	1	14	43.25	9.69	5.7610	2.13
6F15N44G4Y3H6	15.00	15	480	1	18	43.25	9.69	5.7610	2.13
6F12N56G4Y3H6	16.00	12	480	1	19	55.25	9.69	5.7610	2.13
6F15N56G4Y3H6	20.00	15	480	1	24	55.25	9.69	5.7610	2.13
6F12N67G4Y3H6	20.00	12	480	1	24	66.25	9.69	5.7610	2.13
6F12N80G4Y3H6	24.00	12	480	1	29	79.25	11.69	5.7610	2.13
6F15N67G4Y3H6	25.00	15	480	1	30	66.25	9.69	5.7610	2.13
6F15N80G4Y3H6	30.00	15	480	1	36	79.25	11.69	5.7610	2.13
6F12N100G4Y3H6	30.00	12	480	1	36	99.25	11.69	5.7610	2.13
6F15N100G4Y3H6	37.50	15	480	1	45	99.25	11.69	5.7610	2.13
6F12N120G4Y3H6	38.00	12	480	1	46	119.25	11.69	5.7610	2.13
6F12N140G4Y3H6	44.00	12	480	2	53	139.25	15.69	5.7610	2.13
6F12N160G4Y3H6	52.00	12	480	2	63	159.25	15.69	5.7610	2.13

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>
8F18N44G4Y3H6	18.00	18	480	1	22	42.94	9.38	7.6250	2.44
8F24N44G4Y3H6	24.00	24	480	1	29	42.94	9.38	7.6250	2.44
8F18N56G4Y3H6	24.00	18	480	1	29	54.94	9.38	7.6250	2.44
8F18N67G4Y3H6	30.00	18	480	1	36	65.94	9.38	7.6250	2.44
8F24N56G4Y3H6	32.00	24	480	1	38	54.94	9.38	7.6250	2.44
8F18N80G4Y3H6	36.00	18	480	1	43	78.94	11.38	7.6250	2.44
8F24N67G4Y3H6	40.00	24	480	1	48	65.94	9.38	7.6250	2.44
8F18N100G4Y3H6	45.00	18	480	2	54	98.94	11.38	7.6250	2.44
8F24N80G4Y3H6	48.00	24	480	2	58	78.94	11.38	7.6250	2.44
8F18N120G4Y3H6	57.00	18	480	2	69	118.94	11.38	7.6250	2.44
8F24N100G4Y3H6	60.00	24	480	2	72	98.94	11.38	7.6250	2.44
8F18N140G4Y3H6	66.00	18	480	2	79	138.94	15.38	7.6250	2.44
8F24N120G4Y3H6	76.00	24	480	2	91	118.94	11.38	7.6250	2.44
8F18N160G4Y3H6	78.00	18	480	2	94	158.94	15.38	7.6250	2.44
8F24N140G4Y3H6	88.00	24	480	4	106	138.94	15.38	7.6250	2.44
8F24N160G4Y3H6	104.00	24	480	4	125	158.94	15.38	7.6250	2.44

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>
10F30N44G4Y3H6	30.00	30	480	1	36	42.63	9.06	9.7500	2.75
10F36N44G4Y3H6	36.00	36	480	1	43	42.63	9.06	9.7500	2.75
10F30N56G4Y3H6	40.00	30	480	1	48	54.63	9.06	9.7500	2.75
10F36N56G4Y3H6	48.00	36	480	2	58	54.63	9.06	9.7500	2.75
10F30N67G4Y3H6	50.00	30	480	2	60	65.63	9.06	9.7500	2.75

600# Flanged Immersion Heaters - Type IF

10F36N67G4Y3H6	60.00	36	480	2	72	65.63	9.06	9.7500	2.75
10F30N80G4Y3H6	60.00	30	480	2	72	78.63	11.06	9.7500	2.75
10F36N80G4Y3H6	72.00	36	480	2	87	78.63	11.06	9.7500	2.75
10F30N100G4Y3H6	75.00	30	480	2	90	98.63	11.06	9.7500	2.75
10F36N100G4Y3H6	90.00	36	480	3	108	98.63	11.06	9.7500	2.75
10F30N140G4Y3H6	110.00	30	480	5	132	138.63	15.06	9.7500	2.75
10F36N120G4Y3H6	114.00	36	480	3	137	118.63	11.06	9.7500	2.75
10F30N160G4Y3H6	130.00	30	480	5	156	158.63	15.06	9.7500	2.75
10F36N140G4Y3H6	132.00	36	480	4	159	138.63	15.06	9.7500	2.75
10F36N160G4Y3H6	156.00	36	480	4	188	158.63	15.06	9.7500	2.75

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>
12F48N44G4Y3H6	48.00	48	480	2	58	42.50	8.94	11.7500	2.88
12F48N56G4Y3H6	64.00	48	480	2	77	54.50	8.94	11.7500	2.88
12F48N67G4Y3H6	80.00	48	480	2	96	65.50	8.94	11.7500	2.88
12F48N80G4Y3H6	96.00	48	480	4	115	78.50	10.94	11.7500	2.88
12F54N80G4Y3H6	108.00	54	480	3	130	78.50	10.94	11.7500	2.88
12F48N100G4Y3H6	120.00	48	480	4	144	98.50	10.94	11.7500	2.88
12F54N100G4Y3H6	135.00	54	480	6	162	98.50	10.94	11.7500	2.88
12F48N120G4Y3H6	152.00	48	480	4	183	118.50	10.94	11.7500	2.88
12F54N120G4Y3H6	171.00	54	480	6	206	118.50	10.94	11.7500	2.88
12F48N140G4Y3H6	176.00	48	480	8	212	138.50	14.94	11.7500	2.88
12F54N140G4Y3H6	198.00	54	480	6	238	138.50	14.94	11.7500	2.88
12F48N160G4Y3H6	208.00	48	480	8	250	158.50	14.94	11.7500	2.88
12F54N160G4Y3H6	234.00	54	480	6	281	158.50	14.94	11.7500	2.88

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>
14F54N80G4Y3H6	108.00	54	480	3	130	78.38	10.81	13.0000	3.00
14F60N80G4Y3H6	120.00	60	480	4	144	78.38	10.81	13.0000	3.00
14F54N100G4Y3H6	135.00	54	480	6	162	98.38	10.81	13.0000	3.00
14F72N80G4Y3H6	144.00	72	480	4	173	78.38	10.81	13.0000	3.00
14F60N100G4Y3H6	150.00	60	480	4	180	98.38	10.81	13.0000	3.00
14F54N120G4Y3H6	171.00	54	480	6	206	118.38	10.81	13.0000	3.00
14F72N100G4Y3H6	180.00	72	480	6	217	98.38	10.81	13.0000	3.00
14F60N120G4Y3H6	190.00	60	480	5	229	118.38	10.81	13.0000	3.00
14F54N140G4Y3H6	198.00	54	480	6	238	138.38	14.81	13.0000	3.00
14F60N140G4Y3H6	220.00	60	480	10	265	138.38	14.81	13.0000	3.00
14F72N120G4Y3H6	228.00	72	480	6	274	118.38	10.81	13.0000	3.00
14F54N160G4Y3H6	234.00	54	480	6	281	158.38	14.81	13.0000	3.00
14F60N160G4Y3H6	260.00	60	480	10	313	158.38	14.81	13.0000	3.00
14F72N140G4Y3H6	264.00	72	480	8	318	138.38	14.81	13.0000	3.00
14F72N160G4Y3H6	312.00	72	480	8	375	158.38	14.81	13.0000	3.00

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>
16F84N80G4Y3H6	168.00	84	480	7	202	78.13	10.56	15.0000	3.25
16F90N80G4Y3H6	180.00	90	480	5	217	78.13	10.56	15.0000	3.25
16F96N80G4Y3H6	192.00	96	480	8	231	78.13	10.56	15.0000	3.25
16F84N100G4Y3H6	210.00	84	480	7	253	98.13	10.56	15.0000	3.25
16F90N100G4Y3H6	225.00	90	480	10	271	98.13	10.56	15.0000	3.25
16F96N100G4Y3H6	240.00	96	480	8	289	98.13	10.56	15.0000	3.25

600# Flanged Immersion Heaters - Type IF

16F84N120G4Y3H6	266.00	84	480	7	320	118.13	10.56	15.0000	3.25
16F90N120G4Y3H6	285.00	90	480	10	343	118.13	10.56	15.0000	3.25
16F96N120G4Y3H6	304.00	96	480	8	366	118.13	10.56	15.0000	3.25
16F84N140G4Y3H6	308.00	84	480	14	370	138.13	14.56	15.0000	3.25
16F90N140G4Y3H6	330.00	90	480	10	397	138.13	14.56	15.0000	3.25
16F96N140G4Y3H6	352.00	96	480	16	423	138.13	14.56	15.0000	3.25
16F84N160G4Y3H6	364.00	84	480	14	438	158.13	14.56	15.0000	3.25
16F90N160G4Y3H6	390.00	90	480	10	469	158.13	14.56	15.0000	3.25
16F96N160G4Y3H6	416.00	96	480	16	500	158.13	14.56	15.0000	3.25

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>
18F108N100G4Y3H6	270.00	108	480	9	325	97.88	10.31	17.0000	3.50
18F108N120G4Y3H6	342.00	108	480	9	411	117.88	10.31	17.0000	3.50
18F108N140G4Y3H6	396.00	108	480	12	476	137.88	14.31	17.0000	3.50
18F108N160G4Y3H6	468.00	108	480	12	563	157.88	14.31	17.0000	3.50

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>
20F120N100G4Y3H6	300.00	120	480	8	361	97.63	10.06	19.0000	3.75
20F126N100G4Y3H6	315.00	126	480	14	379	97.63	10.06	19.0000	3.75
20F132N100G4Y3H6	330.00	132	480	11	397	97.63	10.06	19.0000	3.75
20F144N100G4Y3H6	360.00	144	480	12	433	97.63	10.06	19.0000	3.75
20F120N120G4Y3H6	380.00	120	480	10	457	117.63	10.06	19.0000	3.75
20F126N120G4Y3H6	399.00	126	480	14	480	117.63	10.06	19.0000	3.75
20F162N100G4Y3H6	405.00	162	480	18	487	97.63	10.06	19.0000	3.75
20F132N120G4Y3H6	418.00	132	480	11	503	117.63	10.06	19.0000	3.75
20F120N140G4Y3H6	440.00	120	480	20	529	137.63	14.06	19.0000	3.75
20F180N100G4Y3H6	450.00	180	480	12	541	97.63	10.06	19.0000	3.75
20F144N120G4Y3H6	456.00	144	480	12	548	117.63	10.06	19.0000	3.75
20F126N140G4Y3H6	462.00	126	480	14	556	137.63	14.06	19.0000	3.75
20F132N140G4Y3H6	484.00	132	480	22	582	137.63	14.06	19.0000	3.75
20F162N120G4Y3H6	513.00	162	480	18	617	117.63	10.06	19.0000	3.75
20F120N160G4Y3H6	520.00	120	480	20	625	157.63	14.06	19.0000	3.75
20F144N140G4Y3H6	528.00	144	480	24	635	137.63	14.06	19.0000	3.75
20F126N160G4Y3H6	546.00	126	480	14	657	157.63	14.06	19.0000	3.75
20F180N120G4Y3H6	570.00	180	480	15	686	117.63	10.06	19.0000	3.75
20F132N160G4Y3H6	572.00	132	480	22	688	157.63	14.06	19.0000	3.75
20F162N140G4Y3H6	594.00	162	480	18	714	137.63	14.06	19.0000	3.75
20F144N160G4Y3H6	624.00	144	480	24	751	157.63	14.06	19.0000	3.75
20F180N140G4Y3H6	660.00	180	480	20	794	137.63	14.06	19.0000	3.75
20F162N160G4Y3H6	702.00	162	480	18	844	157.63	14.06	19.0000	3.75
20F180N160G4Y3H6	780.00	180	480	20	938	157.63	14.06	19.0000	3.75

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>
24F192N100G4Y3H6	480.00	192	480	16	577	97.13	9.56	23.0000	4.25
24F216N100G4Y3H6	540.00	216	480	18	650	97.13	9.56	23.0000	4.25
24F234N100G4Y3H6	585.00	234	480	26	704	97.13	9.56	23.0000	4.25
24F240N100G4Y3H6	600.00	240	480	16	722	97.13	9.56	23.0000	4.25
24F192N120G4Y3H6	608.00	192	480	16	731	117.13	9.56	23.0000	4.25
24F216N120G4Y3H6	684.00	216	480	18	823	117.13	9.56	23.0000	4.25
24F192N140G4Y3H6	704.00	192	480	32	847	137.13	13.56	23.0000	4.25

600# Flanged Immersion Heaters - Type IF

24F234N120G4Y3H6	741.00	234	480	26	891	117.13	9.56	23.0000	4.25
24F240N120G4Y3H6	760.00	240	480	20	914	117.13	9.56	23.0000	4.25
24F216N140G4Y3H6	792.00	216	480	24	953	137.13	13.56	23.0000	4.25
24F192N160G4Y3H6	832.00	192	480	32	1,001	157.13	13.56	23.0000	4.25
24F234N140G4Y3H6	858.00	234	480	26	1,032	137.13	13.56	23.0000	4.25
24F240N140G4Y3H6	880.00	240	480	40	1,059	137.13	13.56	23.0000	4.25
24F216N160G4Y3H6	936.00	216	480	24	1,126	157.13	13.56	23.0000	4.25
24F234N160G4Y3H6	1,014.00	234	480	26	1,220	157.13	13.56	23.0000	4.25
24F240N160G4Y3H6	1,040.00	240	480	40	1,251	157.13	13.56	23.0000	4.25

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>
4F6N48F4S3H6	4.88	6	480	1	6	47.63	16.06	3.8260	1.75
4F6N61F4S3H6	7.50	6	480	1	9	60.63	13.06	3.8260	1.75
4F6N77F4S3H6	9.88	6	480	1	12	76.63	13.06	3.8260	1.75
4F6N84F4S3H6	10.00	6	240	1	24	83.63	16.06	3.8260	1.75
4F6N93F4S3H6	12.25	6	480	1	15	92.63	13.06	3.8260	1.75
4F6N111F4S3H6	15.00	6	240	1	36	-1.88	16.06	3.8260	1.75
4F6N120F4S3H6	15.00	6	480	1	18	110.63	16.06	3.8260	1.75
4F6N144F4S3H6	20.00	6	480	1	24	143.63	16.06	3.8260	1.75

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>
6F12N48F4S3H6	9.88	12	480	1	12	47.25	15.69	5.7610	2.13
6F12N61F4S3H6	15.00	12	480	1	18	60.25	12.69	5.7610	2.13
6F12N77F4S3H6	19.75	12	480	1	24	76.25	12.69	5.7610	2.13
6F12N84F4S3H6	20.00	12	240	1	48	83.25	15.69	5.7610	2.13
6F12N93F4S3H6	24.75	12	480	1	30	92.25	12.69	5.7610	2.13
6F12N111F4S3H6	30.00	12	240	2	72	-2.25	15.69	5.7610	2.13
6F12N120F4S3H6	30.00	12	480	1	36	110.25	15.69	5.7610	2.13
6F12N144F4S3H6	40.00	12	480	1	48	143.25	15.69	5.7610	2.13

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>
8F18N48F4S3H6	15.00	18	480	1	18	46.94	15.38	7.6250	2.44
8F24N48F4S3H6	20.00	24	480	1	24	46.94	15.38	7.6250	2.44
8F18N61F4S3H6	22.50	18	480	1	27	59.94	12.38	7.6250	2.44
8F18N77F4S3H6	29.75	18	480	1	36	75.94	12.38	7.6250	2.44
8F24N61F4S3H6	30.00	24	480	1	36	59.94	12.38	7.6250	2.44
8F18N93F4S3H6	37.25	18	480	1	45	91.94	12.38	7.6250	2.44
8F24N77F4S3H6	39.75	24	480	1	48	75.94	12.38	7.6250	2.44
8F24N93F4S3H6	49.75	24	480	2	60	91.94	12.38	7.6250	2.44
8F24N120F4S3H6	60.00	24	480	2	72	109.94	15.38	7.6250	2.44
8F18N144F4S3H6	60.00	18	480	3	72	142.94	15.38	7.6250	2.44
8F24N144F4S3H6	79.75	24	480	2	96	142.94	15.38	7.6250	2.44

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>
10F30N48F4S3H6	25.00	30	480	1	30	46.63	15.06	9.7500	2.75
10F36N48F4S3H6	30.00	36	480	1	36	46.63	15.06	9.7500	2.75
10F30N61F4S3H6	37.50	30	480	1	45	59.63	12.06	9.7500	2.75
10F36N61F4S3H6	45.00	36	480	2	54	59.63	12.06	9.7500	2.75

600# Flanged Immersion Heaters - Type IF

10F36N77F4S3H6	59.75	36	480	2	72	75.63	12.06	9.7500	2.75
10F36N93F4S3H6	74.75	36	480	2	90	91.63	12.06	9.7500	2.75
10F36N120F4S3H6	90.00	36	480	3	108	109.63	15.06	9.7500	2.75
10F36N144F4S3H6	120.00	36	480	3	144	142.63	15.06	9.7500	2.75

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>
12F48N48F4S3H6	40.00	48	480	1	48	46.50	14.94	11.7500	2.88
12F48N61F4S3H6	60.00	48	480	2	72	59.50	11.94	11.7500	2.88
12F48N77F4S3H6	79.75	48	480	2	96	75.50	11.94	11.7500	2.88
12F48N93F4S3H6	99.75	48	480	4	120	91.50	11.94	11.7500	2.88
12F54N93F4S3H6	112.00	54	480	3	135	91.50	11.94	11.7500	2.88
12F48N120F4S3H6	120.00	48	480	4	144	109.50	14.94	11.7500	2.88
12F48N144F4S3H6	160.00	48	480	4	192	142.50	14.94	11.7500	2.88
12F54N144F4S3H6	180.00	54	480	9	217	142.50	14.94	11.7500	2.88

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>
14F54N93F4S3H6	112.00	54	480	3	135	91.38	11.81	13.0000	3.00
14F60N93F4S3H6	124.50	60	480	5	150	91.38	11.81	13.0000	3.00
14F72N93F4S3H6	149.50	72	480	4	180	91.38	11.81	13.0000	3.00
14F60N120F4S3H6	150.00	60	480	5	180	109.38	14.81	13.0000	3.00
14F72N120F4S3H6	180.00	72	480	6	217	109.38	14.81	13.0000	3.00
14F54N144F4S3H6	180.00	54	480	9	217	142.38	14.81	13.0000	3.00
14F60N144F4S3H6	199.50	60	480	5	240	142.38	14.81	13.0000	3.00
14F72N144F4S3H6	239.50	72	480	6	288	142.38	14.81	13.0000	3.00

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>
16F84N93F4S3H6	174.50	84	480	7	210	91.13	11.56	15.0000	3.25
16F90N93F4S3H6	187.00	90	480	5	225	91.13	11.56	15.0000	3.25
16F96N93F4S3H6	199.50	96	480	8	240	91.13	11.56	15.0000	3.25
16F84N120F4S3H6	210.00	84	480	7	253	109.13	14.56	15.0000	3.25
16F96N120F4S3H6	240.00	96	480	8	289	109.13	14.56	15.0000	3.25
16F84N144F4S3H6	279.50	84	480	7	336	142.13	14.56	15.0000	3.25
16F90N144F4S3H6	299.50	90	480	15	360	142.13	14.56	15.0000	3.25
16F96N144F4S3H6	319.50	96	480	8	384	142.13	14.56	15.0000	3.25

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>
18F108N93F4S3H6	224.50	108	480	6	270	90.88	11.31	17.0000	3.50
18F108N120F4S3H6	270.00	108	480	9	325	108.88	14.31	17.0000	3.50
18F108N144F4S3H6	359.50	108	480	9	432	141.88	14.31	17.0000	3.50

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>
20F120N93F4S3H6	249.50	120	480	10	300	90.63	11.06	19.0000	3.75
20F126N93F4S3H6	262.00	126	480	7	315	90.63	11.06	19.0000	3.75
20F132N93F4S3H6	274.50	132	480	11	330	90.63	11.06	19.0000	3.75
20F144N93F4S3H6	299.50	144	480	8	360	90.63	11.06	19.0000	3.75
20F120N120F4S3H6	300.00	120	480	10	361	108.63	14.06	19.0000	3.75
20F132N120F4S3H6	330.00	132	480	11	397	108.63	14.06	19.0000	3.75
20F162N93F4S3H6	337.00	162	480	9	405	90.63	11.06	19.0000	3.75

600# Flanged Immersion Heaters - Type IF

20F144N120F4S3H6	360.00	144	480	12	433	108.63	14.06	19.0000	3.75
20F180N93F4S3H6	374.50	180	480	10	450	90.63	11.06	19.0000	3.75
20F120N144F4S3H6	399.50	120	480	10	481	141.63	14.06	19.0000	3.75
20F132N144F4S3H6	439.50	132	480	11	529	141.63	14.06	19.0000	3.75
20F180N120F4S3H6	450.00	180	480	12	541	108.63	14.06	19.0000	3.75
20F144N144F4S3H6	479.50	144	480	12	577	141.63	14.06	19.0000	3.75
20F180N144F4S3H6	600.00	180	480	15	722	141.63	14.06	19.0000	3.75

24 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
24F192N93F4S3H6	399.50	192	480	16	481	90.13	10.56	23.0000	4.25
24F216N93F4S3H6	449.50	216	480	12	541	90.13	10.56	23.0000	4.25
24F192N120F4S3H6	480.00	192	480	16	577	108.13	13.56	23.0000	4.25
24F234N93F4S3H6	487.00	234	480	13	586	90.13	10.56	23.0000	4.25
24F240N93F4S3H6	500.00	240	480	20	601	90.13	10.56	23.0000	4.25
24F216N120F4S3H6	540.00	216	480	18	650	108.13	13.56	23.0000	4.25
24F240N120F4S3H6	600.00	240	480	20	722	108.13	13.56	23.0000	4.25
24F192N144F4S3H6	640.00	192	480	16	770	141.13	13.56	23.0000	4.25
24F216N144F4S3H6	720.00	216	480	18	866	141.13	13.56	23.0000	4.25
24F240N144F4S3H6	800.00	240	480	20	962	141.13	13.56	23.0000	4.25

8 Watts/Sq. Inch

3 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
3F3N10M2Y3H6	0.50	3	240	1	1	9.88	3.31	2.9000	1.50
3F3N13M4Y3H6	0.75	3	480	1	1	12.88	3.31	2.9000	1.50
3F3N13M2Y3H6	0.75	3	120	1	4	12.88	3.31	2.9000	1.50
3F3N13M1Y3H6	0.75	3	120	1	4	12.88	3.31	2.9000	1.50
3F3N18M2Y3H6	1.00	3	240	1	2	17.38	3.31	2.9000	1.50
3F3N18M4Y3H6	1.00	3	480	1	1	17.38	3.31	2.9000	1.50
3F3N20M2Y3H6	1.25	3	240	1	3	19.38	3.31	2.9000	1.50
3F3N20M4Y3H6	1.25	3	480	1	2	19.88	3.31	2.9000	1.50
3F3N25M4Y3H6	1.50	3	480	1	2	24.88	3.31	2.9000	1.50
3F3N25M2Y3H6	1.50	3	240	1	4	24.88	3.31	2.9000	1.50
3F3N25M1Y3H6	1.50	3	120	1	7	24.88	3.31	2.9000	1.50
3F3N33M4Y3H6	2.00	3	480	1	2	32.38	3.31	2.9000	1.50
3F3N40M4Y3H6	2.50	3	480	1	3	39.88	3.31	2.9000	1.50
3F3N40M2Y3H6	2.50	3	240	1	6	39.88	3.31	2.9000	1.50
3F3N48M4Y3H6	3.00	3	480	1	4	47.38	3.31	2.9000	1.50
3F3N52M4Y3H6	3.25	3	480	1	4	51.38	5.31	2.9000	1.50
3F3N52M2Y3H6	3.25	3	240	1	8	51.38	5.31	2.9000	1.50
3F3N59M4Y3H6	3.25	3	480	1	4	57.38	12.31	2.9000	1.50
3F3N64M4Y3H6	4.25	3	480	1	5	63.88	5.31	2.9000	1.50
3F3N64M2Y3H6	4.25	3	240	1	10	63.88	5.31	2.9000	1.50
3F3N73M4Y3H6	4.25	3	480	1	5	71.38	16.31	2.9000	1.50
3F3N77M4Y3H6	5.00	3	480	1	6	76.38	5.31	2.9000	1.50
3F3N77M2Y3H6	5.00	3	240	1	12	76.38	5.31	2.9000	1.50
3F3N88M4Y3H6	5.50	3	480	1	7	88.38	5.31	2.9000	1.50
3F3N95M4Y3H6	5.50	3	480	1	7	93.38	12.31	2.9000	1.50
3F3N106M4Y3H6	6.25	3	480	1	8	105.88	12.31	2.9000	1.50
3F3N120M4Y3H6	7.75	3	480	1	9	119.88	12.31	2.9000	1.50
3F3N140M4Y3H6	8.75	3	480	1	11	139.88	16.31	2.9000	1.50
3F3N160M4Y3H6	10.00	3	480	1	12	159.88	16.31	2.9000	1.50

600# Flanged Immersion Heaters - Type IF

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>
4F6N10M2Y3H6	1.00	6	240	1	2	9.63	3.06	3.8260	1.75
4F6N13M1Y3H6	1.50	6	120	1	7	12.63	3.06	3.8260	1.75
4F6N13M2Y3H6	1.50	6	120	1	7	12.63	3.06	3.8260	1.75
4F6N13M4Y3H6	1.50	6	480	1	2	12.63	3.06	3.8260	1.75
4F6N18M4Y3H6	2.00	6	480	1	2	17.13	3.06	3.8260	1.75
4F6N18M2Y3H6	2.00	6	240	1	5	17.13	3.06	3.8260	1.75
4F6N20M2Y3H6	2.50	6	240	1	6	19.13	3.06	3.8260	1.75
4F6N20M4Y3H6	2.50	6	480	1	3	19.63	3.06	3.8260	1.75
4F6N25M1Y3H6	3.00	6	120	1	14	24.63	3.06	3.8260	1.75
4F6N25M4Y3H6	3.00	6	480	1	4	24.63	3.06	3.8260	1.75
4F6N25M2Y3H6	3.00	6	240	1	7	24.63	3.06	3.8260	1.75
4F6N33M4Y3H6	4.00	6	480	1	5	32.13	3.06	3.8260	1.75
4F6N44G4S3H6	4.50	6	480	1	5	43.63	10.06	3.8260	1.75
4F6N40M4Y3H6	5.00	6	480	1	6	39.63	3.06	3.8260	1.75
4F6N40M2Y3H6	5.00	6	240	1	12	39.63	3.06	3.8260	1.75
4F6N48M4Y3H6	6.00	6	480	1	7	47.13	3.06	3.8260	1.75
4F6N56G4S3H6	6.00	6	480	1	7	55.63	10.06	3.8260	1.75
4F6N52M4Y3H6	6.63	6	480	1	8	51.13	5.06	3.8260	1.75
4F6N52M2Y3H6	6.63	6	240	1	16	51.13	5.06	3.8260	1.75
4F6N59M4Y3H6	6.63	6	480	1	8	57.13	12.06	3.8260	1.75
4F6N67G4S3H6	7.50	6	480	1	9	66.63	10.06	3.8260	1.75
4F6N64M4Y3H6	8.50	6	480	1	10	63.63	5.06	3.8260	1.75
4F6N64M2Y3H6	8.50	6	240	1	20	63.63	5.06	3.8260	1.75
4F6N73M4Y3H6	8.50	6	480	1	10	71.13	16.06	3.8260	1.75
4F6N80G4S3H6	9.00	6	480	1	11	79.63	12.06	3.8260	1.75
4F6N77M4Y3H6	10.00	6	480	1	12	76.13	5.06	3.8260	1.75
4F6N77M2Y3H6	10.00	6	240	1	24	76.13	5.06	3.8260	1.75
4F6N88M4Y3H6	11.00	6	480	1	13	88.13	5.06	3.8260	1.75
4F6N95M4Y3H6	11.00	6	480	1	13	93.13	12.06	3.8260	1.75
4F6N100G4S3H6	11.25	6	480	1	14	99.63	12.06	3.8260	1.75
4F6N106M4Y3H6	12.50	6	480	1	15	105.63	12.06	3.8260	1.75
4F6N120G4S3H6	14.25	6	480	1	17	119.63	12.06	3.8260	1.75
4F6N120M4Y3H6	15.50	6	480	1	19	119.63	12.06	3.8260	1.75
4F6N140G4S3H6	16.50	6	480	1	20	139.63	16.06	3.8260	1.75
4F6N140M4Y3H6	17.50	6	480	1	21	139.63	16.06	3.8260	1.75
4F6N160G4S3H6	19.50	6	480	1	23	159.63	16.06	3.8260	1.75
4F6N160M4Y3H6	20.00	6	480	1	24	159.63	16.06	3.8260	1.75

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>
5F9N52M4Y3H6	10.00	9	480	1	12	50.88	4.81	4.8125	2.00
5F9N52M2Y3H6	10.00	9	240	1	24	50.88	4.81	4.8125	2.00
5F9N59M4Y3H6	10.00	9	480	1	12	56.88	11.81	4.8125	2.00
5F9N64M2Y3H6	12.75	9	240	1	31	63.38	4.81	4.8125	2.00
5F9N64M4Y3H6	12.75	9	480	1	15	63.38	4.81	4.8125	2.00
5F9N73M4Y3H6	12.75	9	480	1	15	70.88	15.81	4.8125	2.00
5F9N77M2Y3H6	15.00	9	240	1	36	75.88	4.81	4.8125	2.00
5F9N77M4Y3H6	15.00	9	480	1	18	75.88	4.81	4.8125	2.00
5F9N88M4Y3H6	16.75	9	480	1	20	87.88	4.81	4.8125	2.00
5F9N95M4Y3H6	16.75	9	480	1	20	92.88	11.81	4.8125	2.00
5F9N106M4Y3H6	18.75	9	480	1	23	105.38	11.81	4.8125	2.00
5F9N120M4Y3H6	23.25	9	480	1	28	119.38	11.81	4.8125	2.00

600# Flanged Immersion Heaters - Type IF

5F9N140M4Y3H6	26.25	9	480	1	32	139.38	15.81	4.8125	2.00
5F9N160M4Y3H6	30.00	9	480	1	36	159.38	15.81	4.8125	2.00

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>
6F12N44G4S3H6	9.00	12	480	1	11	43.25	9.69	5.7610	2.13
6F12N56G4S3H6	12.00	12	480	1	14	55.25	9.69	5.7610	2.13
6F12N52M4Y3H6	13.25	12	480	1	16	50.75	4.69	5.7610	2.13
6F12N52M2Y3H6	13.25	12	240	1	32	50.75	4.69	5.7610	2.13
6F12N59M4Y3H6	13.25	12	480	1	16	56.75	11.69	5.7610	2.13
6F12N67G4S3H6	15.00	12	480	1	18	66.25	9.69	5.7610	2.13
6F15N52M2Y3H6	16.50	15	240	1	40	50.75	4.69	5.7610	2.13
6F15N52M4Y3H6	16.50	15	480	1	20	50.75	4.69	5.7610	2.13
6F15N59M4Y3H6	16.50	15	480	1	20	56.75	11.69	5.7610	2.13
6F12N64M4Y3H6	17.00	12	480	1	20	63.25	4.69	5.7610	2.13
6F12N64M2Y3H6	17.00	12	240	1	41	63.25	4.69	5.7610	2.13
6F12N73M4Y3H6	17.00	12	480	1	20	70.75	15.69	5.7610	2.13
6F12N80G4S3H6	18.00	12	480	1	22	79.25	11.69	5.7610	2.13
6F12N77M2Y3H6	20.00	12	240	1	48	75.75	4.69	5.7610	2.13
6F12N77M4Y3H6	20.00	12	480	1	24	75.75	4.69	5.7610	2.13
6F15N64M4Y3H6	21.25	15	480	1	26	63.25	4.69	5.7610	2.13
6F15N73M4Y3H6	21.25	15	480	1	26	70.75	15.69	5.7610	2.13
6F12N88M4Y3H6	22.25	12	480	1	27	87.75	4.69	5.7610	2.13
6F12N95M4Y3H6	22.25	12	480	1	27	92.75	11.69	5.7610	2.13
6F12N100G4S3H6	22.50	12	480	1	27	99.25	11.69	5.7610	2.13
6F15N77M4Y3H6	25.00	15	480	1	30	75.75	4.69	5.7610	2.13
6F12N106M4Y3H6	25.00	12	480	1	30	105.25	11.69	5.7610	2.13
6F15N88M4Y3H6	28.00	15	480	1	34	87.75	4.69	5.7610	2.13
6F15N95M4Y3H6	28.00	15	480	1	34	92.75	11.69	5.7610	2.13
6F12N120G4S3H6	28.50	12	480	1	34	119.25	11.69	5.7610	2.13
6F12N120M4Y3H6	31.00	12	480	1	37	119.25	11.69	5.7610	2.13
6F15N106M4Y3H6	31.50	15	480	1	38	105.25	11.69	5.7610	2.13
6F12N140G4S3H6	33.00	12	480	1	40	139.25	15.69	5.7610	2.13
6F12N140M4Y3H6	35.00	12	480	1	42	139.25	15.69	5.7610	2.13
6F15N120M4Y3H6	39.00	15	480	1	47	119.25	11.69	5.7610	2.13
6F12N160G4S3H6	39.00	12	480	1	47	159.25	15.69	5.7610	2.13
6F12N160M4Y3H6	40.00	12	480	1	48	159.25	15.69	5.7610	2.13

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>
8F18N44G4S3H6	13.50	18	480	1	16	42.94	9.38	7.6250	2.44
8F24N44G4S3H6	18.00	24	480	1	22	42.94	9.38	7.6250	2.44
8F18N56G4S3H6	18.00	18	480	1	22	54.94	9.38	7.6250	2.44
8F18N52M4Y3H6	20.00	18	480	1	24	50.44	4.38	7.6250	2.44
8F18N59M4Y3H6	20.00	18	480	1	24	56.44	11.38	7.6250	2.44
8F18N67G4S3H6	22.50	18	480	1	27	65.94	9.38	7.6250	2.44
8F24N56G4S3H6	24.00	24	480	1	29	54.94	9.38	7.6250	2.44
8F18N64M4Y3H6	25.50	18	480	1	31	62.94	4.38	7.6250	2.44
8F18N73M4Y3H6	25.50	18	480	1	31	70.44	15.38	7.6250	2.44
8F24N52M4Y3H6	26.50	24	480	1	32	50.44	4.38	7.6250	2.44
8F24N59M4Y3H6	26.50	24	480	1	32	56.44	11.38	7.6250	2.44
8F18N80G4S3H6	27.00	18	480	1	32	78.94	11.38	7.6250	2.44
8F24N67G4S3H6	30.00	24	480	1	36	65.94	9.38	7.6250	2.44
8F18N77M4Y3H6	30.00	18	480	1	36	75.44	4.38	7.6250	2.44

600# Flanged Immersion Heaters - Type IF

8F18N88M4Y3H6	33.50	18	480	1	40	87.44	4.38	7.6250	2.44
8F18N95M4Y3H6	33.50	18	480	1	40	92.44	11.38	7.6250	2.44
8F18N100G4S3H6	33.75	18	480	1	41	98.94	11.38	7.6250	2.44
8F24N64M4Y3H6	34.00	24	480	1	41	62.94	4.38	7.6250	2.44
8F24N73M4Y3H6	34.00	24	480	1	41	70.44	15.38	7.6250	2.44
8F24N80G4S3H6	36.00	24	480	1	43	78.94	11.38	7.6250	2.44
8F18N106M4Y3H6	37.75	18	480	1	45	104.94	11.38	7.6250	2.44
8F24N77M4Y3H6	40.00	24	480	1	48	75.44	4.38	7.6250	2.44
8F24N88M4Y3H6	44.75	24	480	2	54	87.44	4.38	7.6250	2.44
8F24N95M4Y3H6	44.75	24	480	2	54	92.44	11.38	7.6250	2.44
8F24N100G4S3H6	45.00	24	480	2	54	98.94	11.38	7.6250	2.44
8F18N120M4Y3H6	46.75	18	480	2	56	118.94	11.38	7.6250	2.44
8F24N106M4Y3H6	50.25	24	480	2	60	104.94	11.38	7.6250	2.44
8F18N140M4Y3H6	52.50	18	480	2	63	138.94	15.38	7.6250	2.44
8F24N120G4S3H6	57.00	24	480	2	69	118.94	11.38	7.6250	2.44
8F18N160M4Y3H6	60.00	18	480	2	72	158.94	15.38	7.6250	2.44
8F24N120M4Y3H6	62.25	24	480	2	75	118.94	11.38	7.6250	2.44
8F24N140G4S3H6	66.00	24	480	2	79	138.94	15.38	7.6250	2.44
8F24N140M4Y3H6	70.00	24	480	2	84	138.94	15.38	7.6250	2.44
8F24N160G4S3H6	78.00	24	480	2	94	158.94	15.38	7.6250	2.44
8F24N160M4Y3H6	80.00	24	480	2	96	158.94	15.38	7.6250	2.44

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>
10F30N44G4S3H6	22.50	30	480	1	27	42.63	9.06	9.7500	2.75
10F36N44G4S3H6	27.00	36	480	1	32	42.63	9.06	9.7500	2.75
10F30N56G4S3H6	30.00	30	480	1	36	54.63	9.06	9.7500	2.75
10F30N52M4Y3H6	33.25	30	480	1	40	50.13	4.06	9.7500	2.75
10F30N59M4Y3H6	33.25	30	480	1	40	56.13	11.06	9.7500	2.75
10F36N56G4S3H6	36.00	36	480	1	43	54.63	9.06	9.7500	2.75
10F30N67G4S3H6	37.50	30	480	1	45	65.63	9.06	9.7500	2.75
10F36N52M4Y3H6	40.00	36	480	1	48	50.13	4.06	9.7500	2.75
10F36N59M4Y3H6	40.00	36	480	1	48	56.13	11.06	9.7500	2.75
10F30N64M4Y3H6	42.50	30	480	2	51	62.63	4.06	9.7500	2.75
10F30N73M4Y3H6	42.50	30	480	2	51	70.13	15.06	9.7500	2.75
10F36N67G4S3H6	45.00	36	480	2	54	65.63	9.06	9.7500	2.75
10F30N77M4Y3H6	50.00	30	480	2	60	75.13	4.06	9.7500	2.75
10F36N64M4Y3H6	51.00	36	480	2	61	62.63	4.06	9.7500	2.75
10F36N73M4Y3H6	51.00	36	480	2	61	70.13	15.06	9.7500	2.75
10F36N80G4S3H6	54.00	36	480	2	65	78.63	11.06	9.7500	2.75
10F30N88M4Y3H6	56.00	30	480	2	67	87.13	4.06	9.7500	2.75
10F30N95M4Y3H6	56.00	30	480	2	67	92.13	11.06	9.7500	2.75
10F36N77M4Y3H6	60.00	36	480	2	72	75.13	4.06	9.7500	2.75
10F30N106M4Y3H6	63.00	30	480	2	76	104.63	11.06	9.7500	2.75
10F36N88M4Y3H6	67.00	36	480	2	81	87.13	4.06	9.7500	2.75
10F36N95M4Y3H6	67.00	36	480	2	81	92.13	11.06	9.7500	2.75
10F36N100G4S3H6	67.50	36	480	2	81	98.63	11.06	9.7500	2.75
10F36N106M4Y3H6	75.50	36	480	2	91	104.63	11.06	9.7500	2.75
10F30N120M4Y3H6	78.00	30	480	2	94	118.63	11.06	9.7500	2.75
10F36N120G4S3H6	85.50	36	480	3	103	118.63	11.06	9.7500	2.75
10F36N120M4Y3H6	93.50	36	480	3	112	118.63	11.06	9.7500	2.75
10F36N140G4S3H6	99.00	36	480	3	119	138.63	15.06	9.7500	2.75
10F30N160M4Y3H6	100.00	30	480	5	120	158.63	15.06	9.7500	2.75
10F36N140M4Y3H6	105.00	36	480	3	126	138.63	15.06	9.7500	2.75

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10F36N160G4S3H6	117.00	36	480	3	141	158.63	15.06	9.7500	2.75
10F36N160M4Y3H6	120.00	36	480	3	144	158.63	15.06	9.7500	2.75

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>
12F48N44G4S3H6	36.00	48	480	1	43	42.50	8.94	11.7500	2.88
12F48N56G4S3H6	48.00	48	480	2	58	54.50	8.94	11.7500	2.88
12F48N52M4Y3H6	53.25	48	480	2	64	50.00	3.94	11.7500	2.88
12F48N59M4Y3H6	53.25	48	480	2	64	56.00	10.94	11.7500	2.88
12F48N67G4S3H6	60.00	48	480	2	72	65.50	8.94	11.7500	2.88
12F48N64M4Y3H6	68.00	48	480	2	82	62.50	3.94	11.7500	2.88
12F48N73M4Y3H6	68.00	48	480	2	82	70.00	14.94	11.7500	2.88
12F48N80G4S3H6	72.00	48	480	2	87	78.50	10.94	11.7500	2.88
12F48N77M4Y3H6	80.00	48	480	2	96	75.00	3.94	11.7500	2.88
12F54N80G4S3H6	81.00	54	480	3	97	78.50	10.94	11.7500	2.88
12F48N88M4Y3H6	89.50	48	480	4	108	87.00	3.94	11.7500	2.88
12F48N95M4Y3H6	89.50	48	480	4	108	92.00	10.94	11.7500	2.88
12F48N100G4S3H6	90.00	48	480	4	108	98.50	10.94	11.7500	2.88
12F54N88M4Y3H6	100.50	54	480	3	121	87.00	3.94	11.7500	2.88
12F54N95M4Y3H6	100.50	54	480	3	121	92.00	10.94	11.7500	2.88
12F48N106M4Y3H6	100.50	48	480	4	121	104.50	10.94	11.7500	2.88
12F54N100G4S3H6	101.00	54	480	3	121	98.50	10.94	11.7500	2.88
12F54N106M4Y3H6	113.00	54	480	3	136	104.50	10.94	11.7500	2.88
12F48N120G4S3H6	114.00	48	480	4	137	118.50	10.94	11.7500	2.88
12F48N120M4Y3H6	124.50	48	480	4	150	118.50	10.94	11.7500	2.88
12F48N140G4S3H6	132.00	48	480	4	159	138.50	14.94	11.7500	2.88
12F54N120M4Y3H6	140.00	54	480	6	168	118.50	10.94	11.7500	2.88
12F48N140M4Y3H6	140.00	48	480	4	168	138.50	14.94	11.7500	2.88
12F48N160G4S3H6	156.00	48	480	4	188	158.50	14.94	11.7500	2.88
12F54N140M4Y3H6	157.50	54	480	6	189	138.50	14.94	11.7500	2.88
12F48N160M4Y3H6	160.00	48	480	4	192	158.50	14.94	11.7500	2.88
12F54N160M4Y3H6	180.00	54	480	6	217	158.50	14.94	11.7500	2.88

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>
14F54N80G4S3H6	81.00	54	480	3	97	78.38	10.81	13.0000	3.00
14F54N88M4Y3H6	100.50	54	480	3	121	86.88	3.81	13.0000	3.00
14F54N95M4Y3H6	100.50	54	480	3	121	91.88	10.81	13.0000	3.00
14F54N100G4S3H6	101.00	54	480	3	121	98.38	10.81	13.0000	3.00
14F72N80G4S3H6	108.00	72	480	3	130	78.38	10.81	13.0000	3.00
14F60N88M4Y3H6	112.00	60	480	4	135	86.88	3.81	13.0000	3.00
14F60N95M4Y3H6	112.00	60	480	4	135	91.88	10.81	13.0000	3.00
14F60N100G4S3H6	112.50	60	480	5	135	98.38	10.81	13.0000	3.00
14F54N106M4Y3H6	113.00	54	480	3	136	104.38	10.81	13.0000	3.00
14F60N106M4Y3H6	126.00	60	480	4	152	104.38	10.81	13.0000	3.00
14F72N88M4Y3H6	134.00	72	480	4	161	86.88	3.81	13.0000	3.00
14F72N95M4Y3H6	134.00	72	480	4	161	91.88	10.81	13.0000	3.00
14F72N100G4S3H6	135.00	72	480	4	162	98.38	10.81	13.0000	3.00
14F54N120M4Y3H6	140.00	54	480	6	168	118.38	10.81	13.0000	3.00
14F60N120G4S3H6	142.50	60	480	5	171	118.38	10.81	13.0000	3.00
14F72N106M4Y3H6	151.00	72	480	4	182	104.38	10.81	13.0000	3.00
14F60N120M4Y3H6	156.00	60	480	4	188	118.38	10.81	13.0000	3.00
14F54N140M4Y3H6	157.50	54	480	6	189	138.38	14.81	13.0000	3.00
14F60N140G4S3H6	165.00	60	480	5	198	138.38	14.81	13.0000	3.00

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14F72N120G4S3H6	171.00	72	480	6	206	118.38	10.81	13.0000	3.00
14F60N140M4Y3H6	175.00	60	480	5	210	138.38	14.81	13.0000	3.00
14F54N160M4Y3H6	180.00	54	480	6	217	158.38	14.81	13.0000	3.00
14F72N120M4Y3H6	187.00	72	480	6	225	118.38	10.81	13.0000	3.00
14F60N160G4S3H6	195.00	60	480	5	235	158.38	14.81	13.0000	3.00
14F72N140G4S3H6	198.00	72	480	6	238	138.38	14.81	13.0000	3.00
14F60N160M4Y3H6	200.00	60	480	5	241	158.38	14.81	13.0000	3.00
14F72N140M4Y3H6	210.00	72	480	6	253	138.38	14.81	13.0000	3.00
14F72N160G4S3H6	234.00	72	480	6	281	158.38	14.81	13.0000	3.00
14F72N160M4Y3H6	240.00	72	480	6	289	158.38	14.81	13.0000	3.00

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>
16F90N80G4S3H6	135.00	90	480	5	162	78.13	10.56	15.0000	3.25
16F96N80G4S3H6	144.00	96	480	4	173	78.13	10.56	15.0000	3.25
16F84N88M4Y3H6	156.50	84	480	4	188	86.63	3.56	15.0000	3.25
16F84N95M4Y3H6	156.50	84	480	4	188	91.63	10.56	15.0000	3.25
16F84N100G4S3H6	157.50	84	480	7	189	98.13	10.56	15.0000	3.25
16F90N88M4Y3H6	168.00	90	480	5	202	86.63	3.56	15.0000	3.25
16F90N95M4Y3H6	168.00	90	480	5	202	91.63	10.56	15.0000	3.25
16F90N100G4S3H6	168.50	90	480	5	203	98.13	10.56	15.0000	3.25
16F84N106M4Y3H6	176.00	84	480	7	212	104.13	10.56	15.0000	3.25
16F96N88M4Y3H6	179.00	96	480	8	215	86.63	3.56	15.0000	3.25
16F96N95M4Y3H6	179.00	96	480	8	215	91.63	10.56	15.0000	3.25
16F96N100G4S3H6	180.00	96	480	8	217	98.13	10.56	15.0000	3.25
16F90N106M4Y3H6	189.00	90	480	5	227	104.13	10.56	15.0000	3.25
16F84N120G4S3H6	199.50	84	480	7	240	118.13	10.56	15.0000	3.25
16F96N106M4Y3H6	201.50	96	480	8	242	104.13	10.56	15.0000	3.25
16F84N120M4Y3H6	218.00	84	480	7	262	118.13	10.56	15.0000	3.25
16F96N120G4S3H6	228.00	96	480	8	274	118.13	10.56	15.0000	3.25
16F84N140G4S3H6	231.00	84	480	7	278	138.13	14.56	15.0000	3.25
16F90N120M4Y3H6	234.00	90	480	10	281	118.13	10.56	15.0000	3.25
16F84N140M4Y3H6	245.00	84	480	7	295	138.13	14.56	15.0000	3.25
16F96N120M4Y3H6	249.50	96	480	8	300	118.13	10.56	15.0000	3.25
16F90N140M4Y3H6	262.50	90	480	10	316	138.13	14.56	15.0000	3.25
16F96N140G4S3H6	264.00	96	480	8	318	138.13	14.56	15.0000	3.25
16F84N160G4S3H6	273.00	84	480	7	328	158.13	14.56	15.0000	3.25
16F96N140M4Y3H6	280.00	96	480	8	337	138.13	14.56	15.0000	3.25
16F84N160M4Y3H6	280.00	84	480	7	337	158.13	14.56	15.0000	3.25
16F90N160G4S3H6	292.50	90	480	15	352	158.13	14.56	15.0000	3.25
16F90N160M4Y3H6	300.00	90	480	10	361	158.13	14.56	15.0000	3.25
16F96N160G4S3H6	312.00	96	480	8	375	158.13	14.56	15.0000	3.25
16F96N160M4Y3H6	320.00	96	480	8	385	158.13	14.56	15.0000	3.25

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>
18F108N88M4Y3H6	201.50	108	480	6	242	86.38	3.31	17.0000	3.50
18F108N95M4Y3H6	201.50	108	480	6	242	91.38	10.31	17.0000	3.50
18F108N100G4S3H6	202.50	108	480	6	244	97.88	10.31	17.0000	3.50
18F108N106M4Y3H6	226.50	108	480	6	272	103.88	10.31	17.0000	3.50
18F108N120G4S3H6	256.50	108	480	9	309	117.88	10.31	17.0000	3.50
18F108N120M4Y3H6	280.50	108	480	9	337	117.88	10.31	17.0000	3.50
18F108N140G4S3H6	297.00	108	480	9	357	137.88	14.31	17.0000	3.50
18F108N140M4Y3H6	315.00	108	480	9	379	137.88	14.31	17.0000	3.50

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18F108N160G4S3H6	351.00	108	480	9	422	157.88	14.31	17.0000	3.50
18F108N160M4Y3H6	360.00	108	480	9	433	157.88	14.31	17.0000	3.50

20 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
20F120N88M4Y3H6	224.00	120	480	8	269	86.13	3.06	19.0000	3.75
20F120N95M4Y3H6	224.00	120	480	8	269	91.13	10.06	19.0000	3.75
20F120N100G4S3H6	225.00	120	480	10	271	97.63	10.06	19.0000	3.75
20F126N88M4Y3H6	235.00	126	480	6	283	86.13	3.06	19.0000	3.75
20F126N95M4Y3H6	235.00	126	480	6	283	91.13	10.06	19.0000	3.75
20F126N100G4S3H6	236.00	126	480	7	284	97.63	10.06	19.0000	3.75
20F132N88M4Y3H6	246.00	132	480	11	296	86.13	3.06	19.0000	3.75
20F132N95M4Y3H6	246.00	132	480	11	296	91.13	10.06	19.0000	3.75
20F132N100G4S3H6	247.50	132	480	11	298	97.63	10.06	19.0000	3.75
20F120N106M4Y3H6	252.00	120	480	8	303	103.63	10.06	19.0000	3.75
20F126N106M4Y3H6	264.50	126	480	7	318	103.63	10.06	19.0000	3.75
20F144N88M4Y3H6	268.50	144	480	8	323	86.13	3.06	19.0000	3.75
20F144N95M4Y3H6	268.50	144	480	8	323	91.13	10.06	19.0000	3.75
20F144N100G4S3H6	270.00	144	480	8	325	97.63	10.06	19.0000	3.75
20F132N106M4Y3H6	277.00	132	480	11	333	103.63	10.06	19.0000	3.75
20F120N120G4S3H6	285.00	120	480	10	343	117.63	10.06	19.0000	3.75
20F162N88M4Y3H6	302.00	162	480	9	363	86.13	3.06	19.0000	3.75
20F162N95M4Y3H6	302.00	162	480	9	363	91.13	10.06	19.0000	3.75
20F144N106M4Y3H6	302.00	144	480	8	363	103.63	10.06	19.0000	3.75
20F162N100G4S3H6	303.50	162	480	9	365	97.63	10.06	19.0000	3.75
20F120N120M4Y3H6	312.00	120	480	8	375	117.63	10.06	19.0000	3.75
20F132N120G4S3H6	313.50	132	480	11	377	117.63	10.06	19.0000	3.75
20F126N120M4Y3H6	327.50	126	480	14	394	117.63	10.06	19.0000	3.75
20F120N140G4S3H6	330.00	120	480	10	397	137.63	14.06	19.0000	3.75
20F180N88M4Y3H6	336.00	180	480	10	404	86.13	3.06	19.0000	3.75
20F180N95M4Y3H6	336.00	180	480	10	404	91.13	10.06	19.0000	3.75
20F180N100G4S3H6	337.50	180	480	10	406	97.63	10.06	19.0000	3.75
20F162N106M4Y3H6	340.00	162	480	9	409	103.63	10.06	19.0000	3.75
20F144N120G4S3H6	342.00	144	480	12	411	117.63	10.06	19.0000	3.75
20F132N120M4Y3H6	343.00	132	480	11	413	117.63	10.06	19.0000	3.75
20F120N140M4Y3H6	350.00	120	480	10	421	137.63	14.06	19.0000	3.75
20F132N140G4S3H6	363.00	132	480	11	437	137.63	14.06	19.0000	3.75
20F126N140M4Y3H6	367.50	126	480	14	442	137.63	14.06	19.0000	3.75
20F144N120M4Y3H6	374.00	144	480	12	450	117.63	10.06	19.0000	3.75
20F180N106M4Y3H6	378.00	180	480	10	455	103.63	10.06	19.0000	3.75
20F132N140M4Y3H6	385.00	132	480	11	463	137.63	14.06	19.0000	3.75
20F120N160G4S3H6	390.00	120	480	10	469	157.63	14.06	19.0000	3.75
20F144N140G4S3H6	396.00	144	480	12	476	137.63	14.06	19.0000	3.75
20F120N160M4Y3H6	400.00	120	480	10	481	157.63	14.06	19.0000	3.75
20F144N140M4Y3H6	420.00	144	480	12	505	137.63	14.06	19.0000	3.75
20F126N160M4Y3H6	420.00	126	480	14	505	157.63	14.06	19.0000	3.75
20F162N120M4Y3H6	421.00	162	480	18	506	117.63	10.06	19.0000	3.75
20F180N120G4S3H6	427.50	180	480	12	514	117.63	10.06	19.0000	3.75
20F132N160G4S3H6	429.00	132	480	11	516	157.63	14.06	19.0000	3.75
20F132N160M4Y3H6	440.00	132	480	11	529	157.63	14.06	19.0000	3.75
20F180N120M4Y3H6	468.00	180	480	12	563	117.63	10.06	19.0000	3.75
20F144N160G4S3H6	468.00	144	480	12	563	157.63	14.06	19.0000	3.75
20F162N140M4Y3H6	472.50	162	480	18	568	137.63	14.06	19.0000	3.75
20F144N160M4Y3H6	480.00	144	480	12	577	157.63	14.06	19.0000	3.75

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20F180N140G4S3H6	495.00	180	480	15	595	137.63	14.06	19.0000	3.75
20F180N140M4Y3H6	525.00	180	480	15	631	137.63	14.06	19.0000	3.75
20F162N160M4Y3H6	540.00	162	480	18	650	157.63	14.06	19.0000	3.75
20F180N160G4S3H6	585.00	180	480	15	704	157.63	14.06	19.0000	3.75
20F180N160M4Y3H6	600.00	180	480	15	722	157.63	14.06	19.0000	3.75

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>
24F192N95M4Y3H6	358.00	192	480	16	431	90.63	9.56	23.0000	4.25
24F192N100G4S3H6	360.00	192	480	16	433	97.13	9.56	23.0000	4.25
24F216N95M4Y3H6	403.00	216	480	12	485	90.63	9.56	23.0000	4.25
24F192N106M4Y3H6	403.00	192	480	16	485	103.13	9.56	23.0000	4.25
24F216N100G4S3H6	405.00	216	480	12	487	97.13	9.56	23.0000	4.25
24F234N95M4Y3H6	436.50	234	480	13	525	90.63	9.56	23.0000	4.25
24F234N100G4S3H6	438.50	234	480	13	527	97.13	9.56	23.0000	4.25
24F240N95M4Y3H6	448.00	240	480	16	539	90.63	9.56	23.0000	4.25
24F240N100G4S3H6	450.00	240	480	20	541	97.13	9.56	23.0000	4.25
24F216N106M4Y3H6	453.50	216	480	12	545	103.13	9.56	23.0000	4.25
24F192N120G4S3H6	456.00	192	480	16	548	117.13	9.56	23.0000	4.25
24F234N106M4Y3H6	491.00	234	480	13	591	103.13	9.56	23.0000	4.25
24F192N120M4Y3H6	499.00	192	480	16	600	117.13	9.56	23.0000	4.25
24F240N106M4Y3H6	504.00	240	480	16	606	103.13	9.56	23.0000	4.25
24F216N120G4S3H6	513.00	216	480	18	617	117.13	9.56	23.0000	4.25
24F192N140G4S3H6	528.00	192	480	16	635	137.13	13.56	23.0000	4.25
24F192N140M4Y3H6	560.00	192	480	16	674	137.13	13.56	23.0000	4.25
24F216N120M4Y3H6	562.00	216	480	18	676	117.13	9.56	23.0000	4.25
24F240N120G4S3H6	570.00	240	480	20	686	117.13	9.56	23.0000	4.25
24F216N140G4S3H6	594.00	216	480	18	714	137.13	13.56	23.0000	4.25
24F234N120M4Y3H6	608.00	234	480	26	731	117.13	9.56	23.0000	4.25
24F240N120M4Y3H6	624.00	240	480	16	751	117.13	9.56	23.0000	4.25
24F192N160G4S3H6	624.00	192	480	16	751	157.13	13.56	23.0000	4.25
24F216N140M4Y3H6	630.00	216	480	18	758	137.13	13.56	23.0000	4.25
24F192N160M4Y3H6	640.00	192	480	16	770	157.13	13.56	23.0000	4.25
24F240N140G4S3H6	660.00	240	480	20	794	137.13	13.56	23.0000	4.25
24F234N140M4Y3H6	683.00	234	480	26	822	137.13	13.56	23.0000	4.25
24F240N140M4Y3H6	700.00	240	480	20	842	137.13	13.56	23.0000	4.25
24F216N160G4S3H6	702.00	216	480	18	844	157.13	13.56	23.0000	4.25
24F216N160M4Y3H6	720.00	216	480	18	866	157.13	13.56	23.0000	4.25
24F234N160M4Y3H6	780.00	234	480	26	938	157.13	13.56	23.0000	4.25
24F240N160G4S3H6	780.00	240	480	20	938	157.13	13.56	23.0000	4.25
24F240N160M4Y3H6	800.00	240	480	20	962	157.13	13.56	23.0000	4.25

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>
4F6N10M2S3H6	0.75	6	240	1	2	9.63	3.06	3.8260	1.75
4F6N13M1S3H6	1.13	6	120	1	5	12.63	3.06	3.8260	1.75
4F6N13M2S3H6	1.13	6	120	1	5	12.63	3.06	3.8260	1.75
4F6N13M4S3H6	1.13	6	480	1	1	12.63	3.06	3.8260	1.75
4F6N18M4S3H6	1.50	6	480	1	2	17.13	3.06	3.8260	1.75
4F6N18M2S3H6	1.50	6	240	1	4	17.13	3.06	3.8260	1.75
4F6N20M2S3H6	1.88	6	240	1	5	19.13	3.06	3.8260	1.75
4F6N20M4S3H6	1.88	6	480	1	2	19.63	3.06	3.8260	1.75
4F6N25M1S3H6	2.25	6	120	1	11	24.63	3.06	3.8260	1.75

600# Flanged Immersion Heaters - Type IF

4F6N25M2S3H6	2.25	6	240	1	5	24.63	3.06	3.8260	1.75
4F6N25M4S3H6	2.25	6	480	1	3	24.63	3.06	3.8260	1.75
4F6N33M4S3H6	3.00	6	480	1	4	32.13	3.06	3.8260	1.75
4F6N40M2S3H6	3.75	6	240	1	9	39.63	3.06	3.8260	1.75
4F6N40M4S3H6	3.75	6	480	1	5	39.63	3.06	3.8260	1.75
4F6N48M4S3H6	4.50	6	480	1	5	47.13	3.06	3.8260	1.75
4F6N52M4S3H6	5.00	6	480	1	6	51.13	5.06	3.8260	1.75
4F6N52M2S3H6	5.00	6	240	1	12	51.13	5.06	3.8260	1.75
4F6N59M4S3H6	5.00	6	480	1	6	57.13	12.06	3.8260	1.75
4F6N64M4S3H6	6.38	6	480	1	8	63.63	5.06	3.8260	1.75
4F6N64M2S3H6	6.38	6	240	1	15	63.63	5.06	3.8260	1.75
4F6N73M4S3H6	6.38	6	480	1	8	71.13	16.06	3.8260	1.75
4F6N77M2S3H6	7.50	6	240	1	18	76.13	5.06	3.8260	1.75
4F6N77M4S3H6	7.50	6	480	1	9	76.13	5.06	3.8260	1.75
4F6N88M4S3H6	8.38	6	480	1	10	88.13	5.06	3.8260	1.75
4F6N95M4S3H6	8.38	6	480	1	10	93.13	12.06	3.8260	1.75
4F6N106M4S3H6	9.38	6	480	1	11	105.63	12.06	3.8260	1.75
4F6N120M4S3H6	11.50	6	480	1	14	119.63	12.06	3.8260	1.75
4F6N140M4S3H6	13.00	6	480	1	16	139.63	16.06	3.8260	1.75
4F6N160M4S3H6	15.00	6	480	1	18	159.63	16.06	3.8260	1.75

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>
6F12N52M2S3H6	10.00	12	240	1	24	50.75	4.69	5.7610	2.13
6F12N52M4S3H6	10.00	12	480	1	12	50.75	4.69	5.7610	2.13
6F12N59M4S3H6	10.00	12	480	1	12	56.75	11.69	5.7610	2.13
6F12N64M2S3H6	12.75	12	240	1	31	63.25	4.69	5.7610	2.13
6F12N64M4S3H6	12.75	12	480	1	15	63.25	4.69	5.7610	2.13
6F12N73M4S3H6	12.75	12	480	1	15	70.75	15.69	5.7610	2.13
6F12N77M4S3H6	15.00	12	480	1	18	75.75	4.69	5.7610	2.13
6F12N77M2S3H6	15.00	12	240	1	36	75.75	4.69	5.7610	2.13
6F12N88M4S3H6	16.75	12	480	1	20	87.75	4.69	5.7610	2.13
6F12N95M4S3H6	16.75	12	480	1	20	92.75	11.69	5.7610	2.13
6F12N106M4S3H6	18.75	12	480	1	23	105.25	11.69	5.7610	2.13
6F12N120M4S3H6	23.25	12	480	1	28	119.25	11.69	5.7610	2.13
6F12N140M4S3H6	26.25	12	480	1	32	139.25	15.69	5.7610	2.13
6F12N160M4S3H6	30.00	12	480	1	36	159.25	15.69	5.7610	2.13

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>
8F18N52M4S3H6	15.00	18	480	1	18	50.44	4.38	7.6250	2.44
8F18N59M4S3H6	15.00	18	480	1	18	56.44	11.38	7.6250	2.44
8F18N64M4S3H6	19.00	18	480	1	23	62.94	4.38	7.6250	2.44
8F18N73M4S3H6	19.00	18	480	1	23	70.44	15.38	7.6250	2.44
8F24N52M4S3H6	20.00	24	480	1	24	50.44	4.38	7.6250	2.44
8F24N59M4S3H6	20.00	24	480	1	24	56.44	11.38	7.6250	2.44
8F18N77M4S3H6	22.50	18	480	1	27	75.44	4.38	7.6250	2.44
8F18N88M4S3H6	25.00	18	480	1	30	87.44	4.38	7.6250	2.44
8F18N95M4S3H6	25.00	18	480	1	30	92.44	11.38	7.6250	2.44
8F24N64M4S3H6	25.50	24	480	1	31	62.94	4.38	7.6250	2.44
8F24N73M4S3H6	25.50	24	480	1	31	70.44	15.38	7.6250	2.44
8F18N106M4S3H6	28.25	18	480	1	34	104.94	11.38	7.6250	2.44
8F24N77M4S3H6	30.00	24	480	1	36	75.44	4.38	7.6250	2.44
8F24N88M4S3H6	33.50	24	480	1	40	87.44	4.38	7.6250	2.44

600# Flanged Immersion Heaters - Type IF

8F24N95M4S3H6	33.50	24	480	1	40	92.44	11.38	7.6250	2.44
8F18N120M4S3H6	35.00	18	480	1	42	118.94	11.38	7.6250	2.44
8F24N106M4S3H6	37.75	24	480	1	45	104.94	11.38	7.6250	2.44
8F18N140M4S3H6	39.25	18	480	1	47	138.94	15.38	7.6250	2.44
8F24N120M4S3H6	46.75	24	480	2	56	118.94	11.38	7.6250	2.44
8F24N140M4S3H6	52.50	24	480	2	63	138.94	15.38	7.6250	2.44
8F24N160M4S3H6	60.00	24	480	2	72	158.94	15.38	7.6250	2.44

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>
10F30N52M4S3H6	25.00	30	480	1	30	50.13	4.06	9.7500	2.75
10F30N59M4S3H6	25.00	30	480	1	30	56.13	11.06	9.7500	2.75
10F36N52M4S3H6	30.00	36	480	1	36	50.13	4.06	9.7500	2.75
10F36N59M4S3H6	30.00	36	480	1	36	56.13	11.06	9.7500	2.75
10F30N64M4S3H6	31.75	30	480	1	38	62.63	4.06	9.7500	2.75
10F30N73M4S3H6	31.75	30	480	1	38	70.13	15.06	9.7500	2.75
10F30N77M4S3H6	37.50	30	480	1	45	75.13	4.06	9.7500	2.75
10F36N64M4S3H6	38.25	36	480	1	46	62.63	4.06	9.7500	2.75
10F36N73M4S3H6	38.25	36	480	1	46	70.13	15.06	9.7500	2.75
10F36N77M4S3H6	45.00	36	480	2	54	75.13	4.06	9.7500	2.75
10F36N88M4S3H6	50.25	36	480	2	60	87.13	4.06	9.7500	2.75
10F36N95M4S3H6	50.25	36	480	2	60	92.13	11.06	9.7500	2.75
10F36N106M4S3H6	56.50	36	480	2	68	104.63	11.06	9.7500	2.75
10F36N120M4S3H6	70.00	36	480	2	84	118.63	11.06	9.7500	2.75
10F36N140M4S3H6	78.75	36	480	2	95	138.63	15.06	9.7500	2.75
10F36N160M4S3H6	90.00	36	480	3	108	158.63	15.06	9.7500	2.75

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>
12F48N52M4S3H6	40.00	48	480	1	48	50.00	3.94	11.7500	2.88
12F48N59M4S3H6	40.00	48	480	1	48	56.00	10.94	11.7500	2.88
12F48N64M4S3H6	51.00	48	480	2	61	62.50	3.94	11.7500	2.88
12F48N73M4S3H6	51.00	48	480	2	61	70.00	14.94	11.7500	2.88
12F48N77M4S3H6	60.00	48	480	2	72	75.00	3.94	11.7500	2.88
12F48N88M4S3H6	67.00	48	480	2	81	87.00	3.94	11.7500	2.88
12F48N95M4S3H6	67.00	48	480	2	81	92.00	10.94	11.7500	2.88
12F54N88M4S3H6	75.50	54	480	3	91	87.00	3.94	11.7500	2.88
12F54N95M4S3H6	75.50	54	480	3	91	92.00	10.94	11.7500	2.88
12F48N106M4S3H6	75.50	48	480	2	91	104.50	10.94	11.7500	2.88
12F54N106M4S3H6	85.00	54	480	3	102	104.50	10.94	11.7500	2.88
12F48N120M4S3H6	93.50	48	480	4	112	118.50	10.94	11.7500	2.88
12F54N120M4S3H6	105.00	54	480	3	126	118.50	10.94	11.7500	2.88
12F48N140M4S3H6	105.00	48	480	4	126	138.50	14.94	11.7500	2.88
12F54N140M4S3H6	118.00	54	480	3	142	138.50	14.94	11.7500	2.88
12F48N160M4S3H6	120.00	48	480	4	144	158.50	14.94	11.7500	2.88

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>
14F54N88M4S3H6	75.50	54	480	3	91	86.88	3.81	13.0000	3.00
14F54N95M4S3H6	75.50	54	480	3	91	91.88	10.81	13.0000	3.00
14F54N106M4S3H6	85.00	54	480	3	102	104.38	10.81	13.0000	3.00
14F72N88M4S3H6	100.50	72	480	3	121	86.88	3.81	13.0000	3.00
14F72N95M4S3H6	100.50	72	480	3	121	91.88	10.81	13.0000	3.00

600# Flanged Immersion Heaters - Type IF

14F54N120M4S3H6	105.00	54	480	3	126	118.38	10.81	13.0000	3.00
14F72N106M4S3H6	113.00	72	480	3	136	104.38	10.81	13.0000	3.00
14F60N120M4S3H6	117.00	60	480	5	141	118.38	10.81	13.0000	3.00
14F54N140M4S3H6	118.00	54	480	3	142	138.38	14.81	13.0000	3.00
14F60N140M4S3H6	131.00	60	480	5	158	138.38	14.81	13.0000	3.00
14F72N120M4S3H6	140.00	72	480	4	168	118.38	10.81	13.0000	3.00
14F60N160M4S3H6	150.00	60	480	5	180	158.38	14.81	13.0000	3.00
14F72N140M4S3H6	157.50	72	480	4	189	138.38	14.81	13.0000	3.00
14F72N160M4S3H6	180.00	72	480	6	217	158.38	14.81	13.0000	3.00

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>
16F90N88M4S3H6	126.00	90	480	5	152	86.63	3.56	15.0000	3.25
16F90N95M4S3H6	126.00	90	480	5	152	91.63	10.56	15.0000	3.25
16F96N88M4S3H6	134.00	96	480	4	161	86.63	3.56	15.0000	3.25
16F96N95M4S3H6	134.00	96	480	4	161	91.63	10.56	15.0000	3.25
16F90N106M4S3H6	141.50	90	480	5	170	104.13	10.56	15.0000	3.25
16F96N106M4S3H6	151.00	96	480	4	182	104.13	10.56	15.0000	3.25
16F84N120M4S3H6	163.50	84	480	7	197	118.13	10.56	15.0000	3.25
16F90N120M4S3H6	175.50	90	480	5	211	118.13	10.56	15.0000	3.25
16F84N140M4S3H6	183.50	84	480	7	221	138.13	14.56	15.0000	3.25
16F96N120M4S3H6	187.00	96	480	8	225	118.13	10.56	15.0000	3.25
16F90N140M4S3H6	196.50	90	480	5	236	138.13	14.56	15.0000	3.25
16F96N140M4S3H6	210.00	96	480	8	253	138.13	14.56	15.0000	3.25
16F84N160M4S3H6	210.00	84	480	7	253	158.13	14.56	15.0000	3.25
16F96N160M4S3H6	240.00	96	480	8	289	158.13	14.56	15.0000	3.25

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>
18F108N88M4S3H6	151.00	108	480	6	182	86.38	3.31	17.0000	3.50
18F108N95M4S3H6	151.00	108	480	6	182	91.38	10.31	17.0000	3.50
18F108N106M4S3H6	170.00	108	480	6	204	103.88	10.31	17.0000	3.50
18F108N120M4S3H6	210.50	108	480	6	253	117.88	10.31	17.0000	3.50
18F108N140M4S3H6	236.00	108	480	6	284	137.88	14.31	17.0000	3.50
18F108N160M4S3H6	270.00	108	480	9	325	157.88	14.31	17.0000	3.50

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>
20F120N88M4S3H6	168.00	120	480	5	202	86.13	3.06	19.0000	3.75
20F120N95M4S3H6	168.00	120	480	5	202	91.13	10.06	19.0000	3.75
20F126N88M4S3H6	176.00	126	480	7	212	86.13	3.06	19.0000	3.75
20F126N95M4S3H6	176.00	126	480	7	212	91.13	10.06	19.0000	3.75
20F120N106M4S3H6	189.00	120	480	5	227	103.63	10.06	19.0000	3.75
20F126N106M4S3H6	198.00	126	480	7	238	103.63	10.06	19.0000	3.75
20F144N88M4S3H6	201.50	144	480	6	242	86.13	3.06	19.0000	3.75
20F144N95M4S3H6	201.50	144	480	6	242	91.13	10.06	19.0000	3.75
20F162N88M4S3H6	226.50	162	480	9	272	86.13	3.06	19.0000	3.75
20F162N95M4S3H6	226.50	162	480	9	272	91.13	10.06	19.0000	3.75
20F144N106M4S3H6	226.50	144	480	6	272	103.63	10.06	19.0000	3.75
20F120N120M4S3H6	234.00	120	480	10	281	117.63	10.06	19.0000	3.75
20F126N120M4S3H6	245.50	126	480	7	295	117.63	10.06	19.0000	3.75
20F180N88M4S3H6	252.00	180	480	10	303	86.13	3.06	19.0000	3.75
20F180N95M4S3H6	252.00	180	480	10	303	91.13	10.06	19.0000	3.75

600# Flanged Immersion Heaters - Type IF

20F162N106M4S3H6	255.00	162	480	9	307	103.63	10.06	19.0000	3.75
20F132N120M4S3H6	257.00	132	480	11	309	117.63	10.06	19.0000	3.75
20F120N140M4S3H6	262.50	120	480	10	316	137.63	14.06	19.0000	3.75
20F126N140M4S3H6	275.50	126	480	7	331	137.63	14.06	19.0000	3.75
20F144N120M4S3H6	280.50	144	480	8	337	117.63	10.06	19.0000	3.75
20F180N106M4S3H6	283.50	180	480	10	341	103.63	10.06	19.0000	3.75
20F132N140M4S3H6	288.50	132	480	11	347	137.63	14.06	19.0000	3.75
20F120N160M4S3H6	300.00	120	480	10	361	157.63	14.06	19.0000	3.75
20F144N140M4S3H6	315.00	144	480	8	379	137.63	14.06	19.0000	3.75
20F162N120M4S3H6	315.50	162	480	9	379	117.63	10.06	19.0000	3.75
20F132N160M4S3H6	330.00	132	480	11	397	157.63	14.06	19.0000	3.75
20F180N120M4S3H6	351.00	180	480	10	422	117.63	10.06	19.0000	3.75
20F162N140M4S3H6	354.00	162	480	9	426	137.63	14.06	19.0000	3.75
20F144N160M4S3H6	360.00	144	480	12	433	157.63	14.06	19.0000	3.75
20F180N140M4S3H6	393.50	180	480	10	473	137.63	14.06	19.0000	3.75
20F180N160M4S3H6	450.00	180	480	12	541	157.63	14.06	19.0000	3.75

24 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
24F192N95M4S3H6	268.50	192	480	8	323	90.63	9.56	23.0000	4.25
24F216N95M4S3H6	302.00	216	480	9	363	90.63	9.56	23.0000	4.25
24F192N106M4S3H6	302.00	192	480	8	363	103.13	9.56	23.0000	4.25
24F234N95M4S3H6	327.50	234	480	13	394	90.63	9.56	23.0000	4.25
24F240N95M4S3H6	336.00	240	480	10	404	90.63	9.56	23.0000	4.25
24F216N106M4S3H6	340.00	216	480	12	409	103.13	9.56	23.0000	4.25
24F234N106M4S3H6	368.50	234	480	13	443	103.13	9.56	23.0000	4.25
24F192N120M4S3H6	374.00	192	480	16	450	117.13	9.56	23.0000	4.25
24F240N106M4S3H6	378.00	240	480	10	455	103.13	9.56	23.0000	4.25
24F192N140M4S3H6	420.00	192	480	16	505	137.13	13.56	23.0000	4.25
24F216N120M4S3H6	421.00	216	480	12	506	117.13	9.56	23.0000	4.25
24F234N120M4S3H6	456.00	234	480	13	548	117.13	9.56	23.0000	4.25
24F240N120M4S3H6	468.00	240	480	20	563	117.13	9.56	23.0000	4.25
24F216N140M4S3H6	472.50	216	480	12	568	137.13	13.56	23.0000	4.25
24F192N160M4S3H6	480.00	192	480	16	577	157.13	13.56	23.0000	4.25
24F234N140M4S3H6	512.00	234	480	13	616	137.13	13.56	23.0000	4.25
24F240N140M4S3H6	525.00	240	480	20	631	137.13	13.56	23.0000	4.25
24F216N160M4S3H6	540.00	216	480	18	650	157.13	13.56	23.0000	4.25
24F240N160M4S3H6	600.00	240	480	20	722	157.13	13.56	23.0000	4.25

5 Watts/Sq. Inch

4 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
4F6N18B4Z3H6	1.25	6	480	1	2	17.13	3.06	3.8260	1.75
4F6N20B4Z3H6	1.38	6	480	1	2	19.13	3.06	3.8260	1.75
4F6N25B4Z3H6	1.88	6	480	1	2	24.63	3.06	3.8260	1.75
4F6N25B2Z3H6	1.88	6	240	1	5	24.63	3.06	3.8260	1.75
4F6N33B4Z3H6	2.50	6	480	1	3	32.13	3.06	3.8260	1.75
4F6N33B2Z3H6	2.50	6	240	1	6	32.13	3.06	3.8260	1.75
4F6N38B4Z3H6	3.00	6	480	1	4	37.63	5.06	3.8260	1.75
4F6N36B4Z3H6	3.13	6	480	1	4	35.13	3.06	3.8260	1.75
4F6N43B4Z3H6	3.25	6	480	1	4	42.13	5.06	3.8260	1.75
4F6N52B4Z3H6	4.13	6	480	1	5	51.13	5.06	3.8260	1.75
4F6N52B2Z3H6	4.13	6	240	1	10	51.13	5.06	3.8260	1.75
4F6N57B4Z3H6	4.13	6	480	1	5	56.13	10.06	3.8260	1.75

600# Flanged Immersion Heaters - Type IF

4F6N61B4Z3H6	5.00	6	480	1	6	60.63	5.06	3.8260	1.75
4F6N68B4Z3H6	5.00	6	480	1	6	67.63	12.06	3.8260	1.75
4F6N88B4Z3H6	7.38	6	480	1	9	88.13	5.06	3.8260	1.75
4F6N106B4Z3H6	8.25	6	480	1	10	105.63	12.06	3.8260	1.75
4F6N120B4Z3H6	9.50	6	480	1	11	119.63	12.06	3.8260	1.75

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>
6F12N38B4Z3H6	6.00	12	480	1	7	37.25	4.69	5.7610	2.13
6F12N43B4Z3H6	6.63	12	480	1	8	41.75	4.69	5.7610	2.13
6F12N52B4Z3H6	8.25	12	480	1	10	50.75	4.69	5.7610	2.13
6F12N52B2Z3H6	8.25	12	240	1	20	50.75	4.69	5.7610	2.13
6F12N57B4Z3H6	8.25	12	480	1	10	55.75	9.69	5.7610	2.13
6F12N61B4Z3H6	10.00	12	480	1	12	60.25	4.69	5.7610	2.13
6F12N68B4Z3H6	10.00	12	480	1	12	67.25	11.69	5.7610	2.13
6F12N88B4Z3H6	14.75	12	480	1	18	87.75	4.69	5.7610	2.13
6F12N106B4Z3H6	16.50	12	480	1	20	105.25	11.69	5.7610	2.13
6F12N120B4Z3H6	19.00	12	480	1	23	119.25	11.69	5.7610	2.13

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>
8F18N38B4Z3H6	9.00	18	480	1	11	36.94	4.38	7.6250	2.44
8F18N43B4Z3H6	10.00	18	480	1	12	41.44	4.38	7.6250	2.44
8F24N38B4Z3H6	12.00	24	480	1	14	36.94	4.38	7.6250	2.44
8F18N52B4Z3H6	12.50	18	480	1	15	50.44	4.38	7.6250	2.44
8F18N57B4Z3H6	12.50	18	480	1	15	55.44	9.38	7.6250	2.44
8F24N43B4Z3H6	13.25	24	480	1	16	41.44	4.38	7.6250	2.44
8F18N61B4Z3H6	15.00	18	480	1	18	59.94	4.38	7.6250	2.44
8F18N68B4Z3H6	15.00	18	480	1	18	66.94	11.38	7.6250	2.44
8F24N52B4Z3H6	16.50	24	480	1	20	50.44	4.38	7.6250	2.44
8F24N57B4Z3H6	16.50	24	480	1	20	55.44	9.38	7.6250	2.44
8F24N61B4Z3H6	20.00	24	480	1	24	59.94	4.38	7.6250	2.44
8F24N68B4Z3H6	20.00	24	480	1	24	66.94	11.38	7.6250	2.44
8F18N88B4Z3H6	22.00	18	480	1	26	87.44	4.38	7.6250	2.44
8F18N106B4Z3H6	25.00	18	480	1	30	104.94	11.38	7.6250	2.44
8F18N120B4Z3H6	28.50	18	480	1	34	118.94	11.38	7.6250	2.44
8F24N88B4Z3H6	29.50	24	480	1	35	87.44	4.38	7.6250	2.44
8F24N106B4Z3H6	33.25	24	480	1	40	104.94	11.38	7.6250	2.44
8F24N120B4Z3H6	38.00	24	480	1	46	118.94	11.38	7.6250	2.44

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>
10F30N38B4Z3H6	15.00	30	480	1	18	36.63	4.06	9.7500	2.75
10F30N43B4Z3H6	16.50	30	480	1	20	41.13	4.06	9.7500	2.75
10F36N38B4Z3H6	18.00	36	480	1	22	36.63	4.06	9.7500	2.75
10F36N43B4Z3H6	20.00	36	480	1	24	41.13	4.06	9.7500	2.75
10F30N52B4Z3H6	20.75	30	480	1	25	50.13	4.06	9.7500	2.75
10F30N57B4Z3H6	20.75	30	480	1	25	55.13	9.06	9.7500	2.75
10F36N52B4Z3H6	25.00	36	480	1	30	50.13	4.06	9.7500	2.75
10F36N57B4Z3H6	25.00	36	480	1	30	55.13	9.06	9.7500	2.75
10F30N61B4Z3H6	25.00	30	480	1	30	59.63	4.06	9.7500	2.75
10F30N68B4Z3H6	25.00	30	480	1	30	66.63	11.06	9.7500	2.75
10F36N61B4Z3H6	30.00	36	480	1	36	59.63	4.06	9.7500	2.75

600# Flanged Immersion Heaters - Type IF

10F36N68B4Z3H6	30.00	36	480	1	36	66.63	11.06	9.7500	2.75
10F30N88B4Z3H6	37.00	30	480	1	45	87.13	4.06	9.7500	2.75
10F36N88B4Z3H6	44.25	36	480	2	53	87.13	4.06	9.7500	2.75
10F36N106B4Z3H6	50.00	36	480	2	60	104.63	11.06	9.7500	2.75
10F36N120B4Z3H6	57.00	36	480	2	69	118.63	11.06	9.7500	2.75

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>
12F48N43B4Z3H6	26.50	48	480	1	32	41.00	3.94	11.7500	2.88
12F48N52B4Z3H6	33.25	48	480	1	40	50.00	3.94	11.7500	2.88
12F48N57B4Z3H6	33.25	48	480	1	40	55.00	8.94	11.7500	2.88
12F48N61B4Z3H6	40.00	48	480	1	48	59.50	3.94	11.7500	2.88
12F48N68B4Z3H6	40.00	48	480	1	48	66.50	10.94	11.7500	2.88
12F48N88B4Z3H6	59.00	48	480	2	71	87.00	3.94	11.7500	2.88
12F54N88B4Z3H6	66.50	54	480	3	80	87.00	3.94	11.7500	2.88
12F48N106B4Z3H6	66.50	48	480	2	80	104.50	10.94	11.7500	2.88
12F54N106B4Z3H6	75.00	54	480	3	90	104.50	10.94	11.7500	2.88
12F48N120B4Z3H6	76.00	48	480	2	91	118.50	10.94	11.7500	2.88
12F54N120B4Z3H6	85.50	54	480	3	103	118.50	10.94	11.7500	2.88

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>
14F54N88B4Z3H6	66.50	54	480	3	80	86.88	3.81	13.0000	3.00
14F60N88B4Z3H6	74.00	60	480	2	89	86.88	3.81	13.0000	3.00
14F54N106B4Z3H6	75.00	54	480	3	90	104.38	10.81	13.0000	3.00
14F54N120B4Z3H6	85.50	54	480	3	103	118.38	10.81	13.0000	3.00
14F72N88B4Z3H6	88.75	72	480	3	107	86.88	3.81	13.0000	3.00
14F72N106B4Z3H6	100.00	72	480	3	120	104.38	10.81	13.0000	3.00
14F72N120B4Z3H6	114.00	72	480	3	137	118.38	10.81	13.0000	3.00

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>
16F90N88B4Z3H6	111.00	90	480	3	134	86.63	3.56	15.0000	3.25
16F96N88B4Z3H6	118.00	96	480	4	142	86.63	3.56	15.0000	3.25
16F90N106B4Z3H6	125.00	90	480	5	150	104.13	10.56	15.0000	3.25
16F96N106B4Z3H6	133.00	96	480	4	160	104.13	10.56	15.0000	3.25
16F90N120B4Z3H6	142.50	90	480	5	171	118.13	10.56	15.0000	3.25
16F96N120B4Z3H6	152.00	96	480	4	183	118.13	10.56	15.0000	3.25

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>
18F108N88B4Z3H6	133.00	108	480	6	160	86.38	3.31	17.0000	3.50
18F108N106B4Z3H6	150.00	108	480	6	180	103.88	10.31	17.0000	3.50
18F108N120B4Z3H6	171.00	108	480	6	206	117.88	10.31	17.0000	3.50

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>
20F120N88B4Z3H6	148.00	120	480	4	178	86.13	3.06	19.0000	3.75
20F126N88B4Z3H6	155.00	126	480	7	186	86.13	3.06	19.0000	3.75
20F120N106B4Z3H6	166.50	120	480	5	200	103.63	10.06	19.0000	3.75
20F126N106B4Z3H6	175.00	126	480	7	210	103.63	10.06	19.0000	3.75
20F144N88B4Z3H6	177.50	144	480	6	214	86.13	3.06	19.0000	3.75
20F120N120B4Z3H6	190.00	120	480	5	229	117.63	10.06	19.0000	3.75

600# Flanged Immersion Heaters - Type IF

20F162N88B4Z3H6	199.50	162	480	9	240	86.13	3.06	19.0000	3.75
20F126N120B4Z3H6	199.50	126	480	7	240	117.63	10.06	19.0000	3.75
20F144N106B4Z3H6	200.00	144	480	6	241	103.63	10.06	19.0000	3.75
20F180N88B4Z3H6	222.00	180	480	6	267	86.13	3.06	19.0000	3.75
20F162N106B4Z3H6	225.00	162	480	9	271	103.63	10.06	19.0000	3.75
20F144N120B4Z3H6	228.00	144	480	6	274	117.63	10.06	19.0000	3.75
20F180N106B4Z3H6	250.00	180	480	10	301	103.63	10.06	19.0000	3.75
20F162N120B4Z3H6	256.50	162	480	9	309	117.63	10.06	19.0000	3.75
20F180N120B4Z3H6	285.00	180	480	10	343	117.63	10.06	19.0000	3.75

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>
24F192N106B4Z3H6	266.50	192	480	8	321	103.13	9.56	23.0000	4.25
24F216N106B4Z3H6	300.00	216	480	9	361	103.13	9.56	23.0000	4.25
24F192N120B4Z3H6	304.00	192	480	8	366	117.13	9.56	23.0000	4.25
24F234N106B4Z3H6	325.00	234	480	13	391	103.13	9.56	23.0000	4.25
24F240N106B4Z3H6	333.00	240	480	10	401	103.13	9.56	23.0000	4.25
24F216N120B4Z3H6	342.00	216	480	12	411	117.13	9.56	23.0000	4.25
24F234N120B4Z3H6	370.50	234	480	13	446	117.13	9.56	23.0000	4.25
24F240N120B4Z3H6	380.00	240	480	10	457	117.13	9.56	23.0000	4.25

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>
4F6N10H4Z3H6	0.50	6	480	1	1	9.63	3.06	3.8260	1.75
4F6N18H2Z3H6	1.00	6	240	1	2	17.13	3.06	3.8260	1.75
4F6N18H4Z3H6	1.00	6	480	1	1	17.13	3.06	3.8260	1.75
4F6N20H4Z3H6	1.25	6	480	1	2	19.13	3.06	3.8260	1.75
4F6N20H2Z3H6	1.25	6	240	1	3	19.13	3.06	3.8260	1.75
4F6N25H2Z3H6	1.50	6	240	1	4	24.63	3.06	3.8260	1.75
4F6N25H4Z3H6	1.50	6	480	1	2	24.63	3.06	3.8260	1.75
4F6N33H4Z3H6	2.00	6	480	1	2	32.13	3.06	3.8260	1.75
4F6N33H2Z3H6	2.00	6	240	1	5	32.13	3.06	3.8260	1.75
4F6N40H2Z3H6	2.50	6	240	1	6	39.63	3.06	3.8260	1.75
4F6N40H4Z3H6	2.50	6	480	1	3	39.63	3.06	3.8260	1.75
4F6N48H4Z3H6	3.00	6	480	1	4	47.13	3.06	3.8260	1.75
4F6N52H4Z3H6	3.00	6	480	1	4	51.13	5.06	3.8260	1.75
4F6N61H4Z3H6	4.13	6	480	1	5	60.63	5.06	3.8260	1.75
4F6N68H4Z3H6	4.13	6	480	1	5	67.63	12.06	3.8260	1.75
4F6N80H4Z3H6	5.50	6	480	1	7	78.13	10.06	3.8260	1.75
4F6N88H4Z3H6	6.25	6	480	1	8	88.13	5.06	3.8260	1.75
4F6N95H4Z3H6	6.25	6	480	1	8	95.13	12.06	3.8260	1.75
4F6N120H4Z3H6	7.50	6	480	1	9	119.63	13.56	3.8260	1.75
4F6N140H4Z3H6	8.75	6	480	1	11	139.63	16.06	3.8260	1.75
4F6N160H4Z3H6	10.00	6	480	1	12	159.63	16.06	3.8260	1.75

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>
6F12N52H4Z3H6	6.00	12	480	1	7	50.75	4.69	5.7610	2.13
6F12N61H4Z3H6	8.25	12	480	1	10	60.25	4.69	5.7610	2.13
6F12N68H4Z3H6	8.25	12	480	1	10	67.25	11.69	5.7610	2.13
6F12N80H4Z3H6	11.00	12	480	1	13	77.75	9.69	5.7610	2.13
6F12N88H4Z3H6	12.50	12	480	1	15	87.75	4.69	5.7610	2.13

600# Flanged Immersion Heaters - Type IF

6F12N95H4Z3H6	12.50	12	480	1	15	94.75	11.69	5.7610	2.13
6F12N120H4Z3H6	15.00	12	480	1	18	119.25	13.19	5.7610	2.13
6F12N140H4Z3H6	17.50	12	480	1	21	139.25	15.69	5.7610	2.13
6F12N160H4Z3H6	20.00	12	480	1	24	159.25	15.69	5.7610	2.13

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>
8F18N52H4Z3H6	9.00	18	480	1	11	50.44	4.38	7.6250	2.44
8F24N52H4Z3H6	12.00	24	480	1	14	50.44	4.38	7.6250	2.44
8F18N61H4Z3H6	12.50	18	480	1	15	59.94	4.38	7.6250	2.44
8F18N68H4Z3H6	12.50	18	480	1	15	66.94	11.38	7.6250	2.44
8F24N61H4Z3H6	16.50	24	480	1	20	59.94	4.38	7.6250	2.44
8F24N68H4Z3H6	16.50	24	480	1	20	66.94	11.38	7.6250	2.44
8F18N80H4Z3H6	16.50	18	480	1	20	77.44	9.38	7.6250	2.44
8F18N88H4Z3H6	18.75	18	480	1	23	87.44	4.38	7.6250	2.44
8F18N95H4Z3H6	18.75	18	480	1	23	94.44	11.38	7.6250	2.44
8F24N80H4Z3H6	22.00	24	480	1	26	77.44	9.38	7.6250	2.44
8F18N120H4Z3H6	22.50	18	480	1	27	118.94	12.88	7.6250	2.44
8F24N88H4Z3H6	25.00	24	480	1	30	87.44	4.38	7.6250	2.44
8F24N95H4Z3H6	25.00	24	480	1	30	94.44	11.38	7.6250	2.44
8F18N140H4Z3H6	26.25	18	480	1	32	138.94	15.38	7.6250	2.44
8F24N120H4Z3H6	30.00	24	480	1	36	118.94	12.88	7.6250	2.44
8F18N160H4Z3H6	30.00	18	480	1	36	158.94	15.38	7.6250	2.44
8F24N140H4Z3H6	35.00	24	480	1	42	138.94	15.38	7.6250	2.44
8F24N160H4Z3H6	40.00	24	480	1	48	158.94	15.38	7.6250	2.44

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>
10F30N52H4Z3H6	15.00	30	480	1	18	50.13	4.06	9.7500	2.75
10F36N52H4Z3H6	18.00	36	480	1	22	50.13	4.06	9.7500	2.75
10F30N61H4Z3H6	20.75	30	480	1	25	59.63	4.06	9.7500	2.75
10F30N68H4Z3H6	20.75	30	480	1	25	66.63	11.06	9.7500	2.75
10F36N61H4Z3H6	25.00	36	480	1	30	59.63	4.06	9.7500	2.75
10F36N68H4Z3H6	25.00	36	480	1	30	66.63	11.06	9.7500	2.75
10F30N80H4Z3H6	27.75	30	480	1	33	77.13	9.06	9.7500	2.75
10F30N88H4Z3H6	31.25	30	480	1	38	87.13	4.06	9.7500	2.75
10F30N95H4Z3H6	31.25	30	480	1	38	94.13	11.06	9.7500	2.75
10F36N80H4Z3H6	33.25	36	480	1	40	77.13	9.06	9.7500	2.75
10F36N88H4Z3H6	37.50	36	480	1	45	87.13	4.06	9.7500	2.75
10F36N95H4Z3H6	37.50	36	480	1	45	94.13	11.06	9.7500	2.75
10F30N120H4Z3H6	37.50	30	480	1	45	118.63	12.56	9.7500	2.75
10F36N120H4Z3H6	45.00	36	480	2	54	118.63	12.56	9.7500	2.75
10F36N140H4Z3H6	52.50	36	480	2	63	138.63	15.06	9.7500	2.75
10F36N160H4Z3H6	60.00	36	480	2	72	158.63	15.06	9.7500	2.75

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>
12F48N52H4Z3H6	24.00	48	480	1	29	50.00	3.94	11.7500	2.88
12F48N61H4Z3H6	33.25	48	480	1	40	59.50	3.94	11.7500	2.88
12F48N68H4Z3H6	33.25	48	480	1	40	66.50	10.94	11.7500	2.88
12F48N80H4Z3H6	44.25	48	480	2	53	77.00	8.94	11.7500	2.88
12F48N88H4Z3H6	50.00	48	480	2	60	87.00	3.94	11.7500	2.88
12F48N95H4Z3H6	50.00	48	480	2	60	94.00	10.94	11.7500	2.88

600# Flanged Immersion Heaters - Type IF

12F48N120H4Z3H6	60.00	48	480	2	72	118.50	12.44	11.7500	2.88
12F54N120H4Z3H6	67.50	54	480	3	81	118.50	12.44	11.7500	2.88
12F48N140H4Z3H6	70.00	48	480	2	84	138.50	14.94	11.7500	2.88
12F54N140H4Z3H6	78.75	54	480	3	95	138.50	14.94	11.7500	2.88
12F48N160H4Z3H6	80.00	48	480	2	96	158.50	14.94	11.7500	2.88
12F54N160H4Z3H6	90.00	54	480	3	108	158.50	14.94	11.7500	2.88

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>
14F60N80H4Z3H6	55.50	60	480	2	67	76.88	8.81	13.0000	3.00
14F60N88H4Z3H6	62.50	60	480	2	75	86.88	3.81	13.0000	3.00
14F60N95H4Z3H6	62.50	60	480	2	75	93.88	10.81	13.0000	3.00
14F72N80H4Z3H6	66.50	72	480	2	80	76.88	8.81	13.0000	3.00
14F54N120H4Z3H6	67.50	54	480	3	81	118.38	12.31	13.0000	3.00
14F72N88H4Z3H6	75.00	72	480	2	90	86.88	3.81	13.0000	3.00
14F72N95H4Z3H6	75.00	72	480	2	90	93.88	10.81	13.0000	3.00
14F60N120H4Z3H6	75.00	60	480	2	90	118.38	12.31	13.0000	3.00
14F54N140H4Z3H6	78.75	54	480	3	95	138.38	14.81	13.0000	3.00
14F72N120H4Z3H6	90.00	72	480	3	108	118.38	12.31	13.0000	3.00
14F54N160H4Z3H6	90.00	54	480	3	108	158.38	14.81	13.0000	3.00
14F60N160H4Z3H6	100.00	60	480	5	120	158.38	14.81	13.0000	3.00
14F72N140H4Z3H6	105.00	72	480	3	126	138.38	14.81	13.0000	3.00
14F72N160H4Z3H6	120.00	72	480	3	144	158.38	14.81	13.0000	3.00

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>
16F84N80H4Z3H6	77.50	84	480	2	93	76.63	8.56	15.0000	3.25
16F90N80H4Z3H6	83.25	90	480	3	100	76.63	8.56	15.0000	3.25
16F96N80H4Z3H6	88.75	96	480	4	107	76.63	8.56	15.0000	3.25
16F90N88H4Z3H6	93.75	90	480	3	113	86.63	3.56	15.0000	3.25
16F90N95H4Z3H6	93.75	90	480	3	113	93.63	10.56	15.0000	3.25
16F96N88H4Z3H6	100.00	96	480	4	120	86.63	3.56	15.0000	3.25
16F96N95H4Z3H6	100.00	96	480	4	120	93.63	10.56	15.0000	3.25
16F90N120H4Z3H6	112.50	90	480	3	135	118.13	12.06	15.0000	3.25
16F96N120H4Z3H6	120.00	96	480	4	144	118.13	12.06	15.0000	3.25
16F90N140H4Z3H6	131.00	90	480	5	158	138.13	14.56	15.0000	3.25
16F96N140H4Z3H6	140.00	96	480	4	168	138.13	14.56	15.0000	3.25
16F84N160H4Z3H6	140.00	84	480	7	168	158.13	14.56	15.0000	3.25
16F90N160H4Z3H6	150.00	90	480	5	180	158.13	14.56	15.0000	3.25
16F96N160H4Z3H6	160.00	96	480	4	192	158.13	14.56	15.0000	3.25

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>
18F108N88H4Z3H6	112.50	108	480	3	135	86.38	3.31	17.0000	3.50
18F108N95H4Z3H6	112.50	108	480	3	135	93.38	10.31	17.0000	3.50
18F108N120H4Z3H6	135.00	108	480	6	162	117.88	11.81	17.0000	3.50
18F108N140H4Z3H6	157.50	108	480	6	189	137.88	14.31	17.0000	3.50
18F108N160H4Z3H6	180.00	108	480	6	217	157.88	14.31	17.0000	3.50

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>
20F120N88H4Z3H6	125.00	120	480	4	150	86.13	3.06	19.0000	3.75
20F120N95H4Z3H6	125.00	120	480	4	150	93.13	10.06	19.0000	3.75

600# Flanged Immersion Heaters - Type IF

20F144N88H4Z3H6	150.00	144	480	4	180	86.13	3.06	19.0000	3.75
20F144N95H4Z3H6	150.00	144	480	4	180	93.13	10.06	19.0000	3.75
20F120N120H4Z3H6	150.00	120	480	4	180	117.63	11.56	19.0000	3.75
20F126N120H4Z3H6	157.50	126	480	7	189	117.63	11.56	19.0000	3.75
20F120N140H4Z3H6	175.00	120	480	5	210	137.63	14.06	19.0000	3.75
20F144N120H4Z3H6	180.00	144	480	6	217	117.63	11.56	19.0000	3.75
20F126N140H4Z3H6	183.50	126	480	7	221	137.63	14.06	19.0000	3.75
20F180N88H4Z3H6	187.50	180	480	5	226	86.13	3.06	19.0000	3.75
20F180N95H4Z3H6	187.50	180	480	5	226	93.13	10.06	19.0000	3.75
20F120N160H4Z3H6	200.00	120	480	5	241	157.63	14.06	19.0000	3.75
20F162N120H4Z3H6	202.50	162	480	9	244	117.63	11.56	19.0000	3.75
20F144N140H4Z3H6	210.00	144	480	6	253	137.63	14.06	19.0000	3.75
20F126N160H4Z3H6	210.00	126	480	7	253	157.63	14.06	19.0000	3.75
20F132N160H4Z3H6	220.00	132	480	11	265	157.63	14.06	19.0000	3.75
20F180N120H4Z3H6	225.00	180	480	6	271	117.63	11.56	19.0000	3.75
20F162N140H4Z3H6	236.00	162	480	9	284	137.63	14.06	19.0000	3.75
20F144N160H4Z3H6	240.00	144	480	6	289	157.63	14.06	19.0000	3.75
20F180N140H4Z3H6	262.50	180	480	10	316	137.63	14.06	19.0000	3.75
20F162N160H4Z3H6	270.00	162	480	9	325	157.63	14.06	19.0000	3.75
20F180N160H4Z3H6	300.00	180	480	10	361	157.63	14.06	19.0000	3.75

24 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
24F192N95H4Z3H6	200.00	192	480	8	241	92.63	9.56	23.0000	4.25
24F216N95H4Z3H6	225.00	216	480	6	271	92.63	9.56	23.0000	4.25
24F192N120H4Z3H6	240.00	192	480	8	289	117.13	11.06	23.0000	4.25
24F240N95H4Z3H6	250.00	240	480	8	301	92.63	9.56	23.0000	4.25
24F216N120H4Z3H6	270.00	216	480	9	325	117.13	11.06	23.0000	4.25
24F192N140H4Z3H6	280.00	192	480	8	337	137.13	13.56	23.0000	4.25
24F234N120H4Z3H6	292.50	234	480	13	352	117.13	11.06	23.0000	4.25
24F240N120H4Z3H6	300.00	240	480	8	361	117.13	11.06	23.0000	4.25
24F216N140H4Z3H6	315.00	216	480	9	379	137.13	13.56	23.0000	4.25
24F192N160H4Z3H6	320.00	192	480	8	385	157.13	13.56	23.0000	4.25
24F234N140H4Z3H6	341.00	234	480	13	410	137.13	13.56	23.0000	4.25
24F240N140H4Z3H6	350.00	240	480	10	421	137.13	13.56	23.0000	4.25
24F216N160H4Z3H6	360.00	216	480	12	433	157.13	13.56	23.0000	4.25
24F234N160H4Z3H6	390.00	234	480	13	469	157.13	13.56	23.0000	4.25
24F240N160H4Z3H6	400.00	240	480	10	481	157.13	13.56	23.0000	4.25

3 Watts/Sq. Inch

4 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
4F6N44G4Z3H6	1.50	6	480	1	2	43.63	10.06	3.8260	1.75
4F6N48F4Z3H6	1.63	6	480	1	2	47.63	16.06	3.8260	1.75
4F6N56G4Z3H6	2.00	6	480	1	2	55.63	10.06	3.8260	1.75
4F6N61F4Z3H6	2.50	6	480	1	3	60.63	13.06	3.8260	1.75
4F6N67G4Z3H6	2.50	6	480	1	3	66.63	10.06	3.8260	1.75
4F6N80G4Z3H6	3.00	6	480	1	4	79.63	12.06	3.8260	1.75
4F6N77F4Z3H6	3.25	6	480	1	4	76.63	13.06	3.8260	1.75
4F6N84F4Z3H6	3.25	6	240	1	8	83.63	16.06	3.8260	1.75
4F6N100G4Z3H6	3.75	6	480	1	5	99.63	12.06	3.8260	1.75
4F6N93F4Z3H6	4.13	6	480	1	5	92.63	13.06	3.8260	1.75
4F6N120G4Z3H6	4.75	6	480	1	6	119.63	12.06	3.8260	1.75
4F6N111F4Z3H6	5.00	6	240	1	12	-1.88	16.06	3.8260	1.75

600# Flanged Immersion Heaters - Type IF

4F6N120F4Z3H6	5.00	6	480	1	6	110.63	16.06	3.8260	1.75
4F6N140G4Z3H6	5.50	6	480	1	7	139.63	16.06	3.8260	1.75
4F6N160G4Z3H6	6.50	6	480	1	8	159.63	16.06	3.8260	1.75
4F6N144F4Z3H6	6.63	6	480	1	8	143.63	16.06	3.8260	1.75

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>
6F12N44G4Z3H6	3.00	12	480	1	4	43.25	9.69	5.7610	2.13
6F12N48F4Z3H6	3.25	12	480	1	4	47.25	15.69	5.7610	2.13
6F12N56G4Z3H6	4.00	12	480	1	5	55.25	9.69	5.7610	2.13
6F12N61F4Z3H6	5.00	12	480	1	6	60.25	12.69	5.7610	2.13
6F12N67G4Z3H6	5.00	12	480	1	6	66.25	9.69	5.7610	2.13
6F12N80G4Z3H6	6.00	12	480	1	7	79.25	11.69	5.7610	2.13
6F12N77F4Z3H6	6.63	12	480	1	8	76.25	12.69	5.7610	2.13
6F12N84F4Z3H6	6.63	12	240	1	16	83.25	15.69	5.7610	2.13
6F12N100G4Z3H6	7.50	12	480	1	9	99.25	11.69	5.7610	2.13
6F12N93F4Z3H6	8.25	12	480	1	10	92.25	12.69	5.7610	2.13
6F12N120G4Z3H6	9.50	12	480	1	11	119.25	11.69	5.7610	2.13
6F12N111F4Z3H6	10.00	12	240	1	24	-2.25	15.69	5.7610	2.13
6F12N120F4Z3H6	10.00	12	480	1	12	110.25	15.69	5.7610	2.13
6F12N140G4Z3H6	11.00	12	480	1	13	139.25	15.69	5.7610	2.13
6F12N160G4Z3H6	13.00	12	480	1	16	159.25	15.69	5.7610	2.13
6F12N144F4Z3H6	13.25	12	480	1	16	143.25	15.69	5.7610	2.13

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>
8F18N44G4Z3H6	4.50	18	480	1	5	42.94	9.38	7.6250	2.44
8F18N48F4Z3H6	4.88	18	480	1	6	46.94	15.38	7.6250	2.44
8F24N44G4Z3H6	6.00	24	480	1	7	42.94	9.38	7.6250	2.44
8F18N56G4Z3H6	6.00	18	480	1	7	54.94	9.38	7.6250	2.44
8F24N48F4Z3H6	6.63	24	480	1	8	46.94	15.38	7.6250	2.44
8F18N61F4Z3H6	7.50	18	480	1	9	59.94	12.38	7.6250	2.44
8F18N67G4Z3H6	7.50	18	480	1	9	65.94	9.38	7.6250	2.44
8F24N56G4Z3H6	8.00	24	480	1	10	54.94	9.38	7.6250	2.44
8F18N80G4Z3H6	9.00	18	480	1	11	78.94	11.38	7.6250	2.44
8F18N77F4Z3H6	9.88	18	480	1	12	75.94	12.38	7.6250	2.44
8F24N61F4Z3H6	10.00	24	480	1	12	59.94	12.38	7.6250	2.44
8F24N67G4Z3H6	10.00	24	480	1	12	65.94	9.38	7.6250	2.44
8F18N100G4Z3H6	11.25	18	480	1	14	98.94	11.38	7.6250	2.44
8F24N80G4Z3H6	12.00	24	480	1	14	78.94	11.38	7.6250	2.44
8F18N93F4Z3H6	12.25	18	480	1	15	91.94	12.38	7.6250	2.44
8F24N77F4Z3H6	13.25	24	480	1	16	75.94	12.38	7.6250	2.44
8F18N120G4Z3H6	14.25	18	480	1	17	118.94	11.38	7.6250	2.44
8F24N100G4Z3H6	15.00	24	480	1	18	98.94	11.38	7.6250	2.44
8F18N120F4Z3H6	15.00	18	480	1	18	109.94	15.38	7.6250	2.44
8F24N93F4Z3H6	16.50	24	480	1	20	91.94	12.38	7.6250	2.44
8F18N140G4Z3H6	16.50	18	480	1	20	138.94	15.38	7.6250	2.44
8F24N120G4Z3H6	19.00	24	480	1	23	118.94	11.38	7.6250	2.44
8F18N160G4Z3H6	19.50	18	480	1	23	158.94	15.38	7.6250	2.44
8F24N120F4Z3H6	20.00	24	480	1	24	109.94	15.38	7.6250	2.44
8F18N144F4Z3H6	20.00	18	480	1	24	142.94	15.38	7.6250	2.44
8F24N140G4Z3H6	22.00	24	480	1	26	138.94	15.38	7.6250	2.44
8F24N160G4Z3H6	26.00	24	480	1	31	158.94	15.38	7.6250	2.44
8F24N144F4Z3H6	26.50	24	480	1	32	142.94	15.38	7.6250	2.44

600# Flanged Immersion Heaters - Type IF

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>
10F30N44G4Z3H6	7.50	30	480	1	9	42.63	9.06	9.7500	2.75
10F30N48F4Z3H6	8.25	30	480	1	10	46.63	15.06	9.7500	2.75
10F36N44G4Z3H6	9.00	36	480	1	11	42.63	9.06	9.7500	2.75
10F36N48F4Z3H6	9.88	36	480	1	12	46.63	15.06	9.7500	2.75
10F30N56G4Z3H6	10.00	30	480	1	12	54.63	9.06	9.7500	2.75
10F36N56G4Z3H6	12.00	36	480	1	14	54.63	9.06	9.7500	2.75
10F30N61F4Z3H6	12.50	30	480	1	15	59.63	12.06	9.7500	2.75
10F30N67G4Z3H6	12.50	30	480	1	15	65.63	9.06	9.7500	2.75
10F36N61F4Z3H6	15.00	36	480	1	18	59.63	12.06	9.7500	2.75
10F36N67G4Z3H6	15.00	36	480	1	18	65.63	9.06	9.7500	2.75
10F30N80G4Z3H6	15.00	30	480	1	18	78.63	11.06	9.7500	2.75
10F30N77F4Z3H6	16.50	30	480	1	20	75.63	12.06	9.7500	2.75
10F36N80G4Z3H6	18.00	36	480	1	22	78.63	11.06	9.7500	2.75
10F30N100G4Z3H6	18.75	30	480	1	23	98.63	11.06	9.7500	2.75
10F36N77F4Z3H6	19.75	36	480	1	24	75.63	12.06	9.7500	2.75
10F30N93F4Z3H6	20.75	30	480	1	25	91.63	12.06	9.7500	2.75
10F36N100G4Z3H6	22.50	36	480	1	27	98.63	11.06	9.7500	2.75
10F30N120G4Z3H6	23.75	30	480	1	29	118.63	11.06	9.7500	2.75
10F36N93F4Z3H6	24.75	36	480	1	30	91.63	12.06	9.7500	2.75
10F30N120F4Z3H6	25.00	30	480	1	30	109.63	15.06	9.7500	2.75
10F30N140G4Z3H6	27.50	30	480	1	33	138.63	15.06	9.7500	2.75
10F36N120G4Z3H6	28.50	36	480	1	34	118.63	11.06	9.7500	2.75
10F36N120F4Z3H6	30.00	36	480	1	36	109.63	15.06	9.7500	2.75
10F30N160G4Z3H6	32.50	30	480	1	39	158.63	15.06	9.7500	2.75
10F36N140G4Z3H6	33.00	36	480	1	40	138.63	15.06	9.7500	2.75
10F30N144F4Z3H6	33.25	30	480	1	40	142.63	15.06	9.7500	2.75
10F36N160G4Z3H6	39.00	36	480	1	47	158.63	15.06	9.7500	2.75
10F36N144F4Z3H6	40.00	36	480	1	48	142.63	15.06	9.7500	2.75

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>
12F48N44G4Z3H6	12.00	48	480	1	14	42.50	8.94	11.7500	2.88
12F48N48F4Z3H6	13.25	48	480	1	16	46.50	14.94	11.7500	2.88
12F48N56G4Z3H6	16.00	48	480	1	19	54.50	8.94	11.7500	2.88
12F48N61F4Z3H6	20.00	48	480	1	24	59.50	11.94	11.7500	2.88
12F48N67G4Z3H6	20.00	48	480	1	24	65.50	8.94	11.7500	2.88
12F48N80G4Z3H6	24.00	48	480	1	29	78.50	10.94	11.7500	2.88
12F48N77F4Z3H6	26.50	48	480	1	32	75.50	11.94	11.7500	2.88
12F54N80G4Z3H6	27.00	54	480	1	32	78.50	10.94	11.7500	2.88
12F48N100G4Z3H6	30.00	48	480	1	36	98.50	10.94	11.7500	2.88
12F48N93F4Z3H6	33.25	48	480	1	40	91.50	11.94	11.7500	2.88
12F54N100G4Z3H6	33.75	54	480	1	41	98.50	10.94	11.7500	2.88
12F54N93F4Z3H6	37.25	54	480	1	45	91.50	11.94	11.7500	2.88
12F48N120G4Z3H6	38.00	48	480	1	46	118.50	10.94	11.7500	2.88
12F48N120F4Z3H6	40.00	48	480	1	48	109.50	14.94	11.7500	2.88
12F48N140G4Z3H6	44.00	48	480	2	53	138.50	14.94	11.7500	2.88
12F48N160G4Z3H6	52.00	48	480	2	63	158.50	14.94	11.7500	2.88
12F48N144F4Z3H6	53.25	48	480	2	64	142.50	14.94	11.7500	2.88
12F54N144F4Z3H6	60.00	54	480	3	72	142.50	14.94	11.7500	2.88

14 Inch Heaters

600# 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>
14F54N80G4Z3H6	27.00	54	480	1	32	78.38	10.81	13.0000	3.00
14F60N80G4Z3H6	30.00	60	480	1	36	78.38	10.81	13.0000	3.00
14F54N100G4Z3H6	33.75	54	480	1	41	98.38	10.81	13.0000	3.00
14F72N80G4Z3H6	36.00	72	480	1	43	78.38	10.81	13.0000	3.00
14F54N93F4Z3H6	37.25	54	480	1	45	91.38	11.81	13.0000	3.00
14F60N100G4Z3H6	37.50	60	480	1	45	98.38	10.81	13.0000	3.00
14F60N93F4Z3H6	41.50	60	480	2	50	91.38	11.81	13.0000	3.00
14F72N100G4Z3H6	45.00	72	480	2	54	98.38	10.81	13.0000	3.00
14F60N120G4Z3H6	47.50	60	480	2	57	118.38	10.81	13.0000	3.00
14F72N93F4Z3H6	49.75	72	480	2	60	91.38	11.81	13.0000	3.00
14F60N120F4Z3H6	50.00	60	480	2	60	109.38	14.81	13.0000	3.00
14F60N140G4Z3H6	55.00	60	480	2	66	138.38	14.81	13.0000	3.00
14F72N120G4Z3H6	57.00	72	480	2	69	118.38	10.81	13.0000	3.00
14F72N120F4Z3H6	60.00	72	480	2	72	109.38	14.81	13.0000	3.00
14F54N144F4Z3H6	60.00	54	480	3	72	142.38	14.81	13.0000	3.00
14F60N160G4Z3H6	65.00	60	480	2	78	158.38	14.81	13.0000	3.00
14F72N140G4Z3H6	66.00	72	480	2	79	138.38	14.81	13.0000	3.00
14F60N144F4Z3H6	66.50	60	480	2	80	142.38	14.81	13.0000	3.00
14F72N160G4Z3H6	78.00	72	480	2	94	158.38	14.81	13.0000	3.00
14F72N144F4Z3H6	79.75	72	480	2	96	142.38	14.81	13.0000	3.00

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>
16F84N80G4Z3H6	42.00	84	480	2	51	78.13	10.56	15.0000	3.25
16F96N80G4Z3H6	48.00	96	480	2	58	78.13	10.56	15.0000	3.25
16F84N100G4Z3H6	52.50	84	480	2	63	98.13	10.56	15.0000	3.25
16F84N93F4Z3H6	58.25	84	480	2	70	91.13	11.56	15.0000	3.25
16F96N100G4Z3H6	60.00	96	480	2	72	98.13	10.56	15.0000	3.25
16F90N93F4Z3H6	62.25	90	480	3	75	91.13	11.56	15.0000	3.25
16F96N93F4Z3H6	66.50	96	480	2	80	91.13	11.56	15.0000	3.25
16F84N120G4Z3H6	66.50	84	480	2	80	118.13	10.56	15.0000	3.25
16F84N120F4Z3H6	70.00	84	480	2	84	109.13	14.56	15.0000	3.25
16F90N120G4Z3H6	71.25	90	480	3	86	118.13	10.56	15.0000	3.25
16F90N120F4Z3H6	75.00	90	480	3	90	109.13	14.56	15.0000	3.25
16F96N120G4Z3H6	76.00	96	480	2	91	118.13	10.56	15.0000	3.25
16F84N140G4Z3H6	77.00	84	480	2	93	138.13	14.56	15.0000	3.25
16F96N120F4Z3H6	80.00	96	480	2	96	109.13	14.56	15.0000	3.25
16F90N140G4Z3H6	82.50	90	480	3	99	138.13	14.56	15.0000	3.25
16F96N140G4Z3H6	88.00	96	480	4	106	138.13	14.56	15.0000	3.25
16F90N160G4Z3H6	97.50	90	480	3	117	158.13	14.56	15.0000	3.25
16F90N144F4Z3H6	99.75	90	480	3	120	142.13	14.56	15.0000	3.25
16F96N160G4Z3H6	104.00	96	480	4	125	158.13	14.56	15.0000	3.25
16F96N144F4Z3H6	106.50	96	480	4	128	142.13	14.56	15.0000	3.25

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>
18F108N100G4Z3H6	67.50	108	480	2	81	97.88	10.31	17.0000	3.50
18F108N93F4Z3H6	74.75	108	480	2	90	90.88	11.31	17.0000	3.50
18F108N120G4Z3H6	85.50	108	480	3	103	117.88	10.31	17.0000	3.50
18F108N120F4Z3H6	90.00	108	480	3	108	108.88	14.31	17.0000	3.50
18F108N140G4Z3H6	99.00	108	480	3	119	137.88	14.31	17.0000	3.50
18F108N160G4Z3H6	117.00	108	480	3	141	157.88	14.31	17.0000	3.50

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18F108N144F4Z3H6	120.00	108	480	3	144	141.88	14.31	17.0000	3.50
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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>
20F120N100G4Z3H6	75.00	120	480	2	90	97.63	10.06	19.0000	3.75
20F126N100G4Z3H6	78.75	126	480	3	95	97.63	10.06	19.0000	3.75
20F120N93F4Z3H6	83.25	120	480	4	100	90.63	11.06	19.0000	3.75
20F126N93F4Z3H6	87.25	126	480	3	105	90.63	11.06	19.0000	3.75
20F144N100G4Z3H6	90.00	144	480	3	108	97.63	10.06	19.0000	3.75
20F120N120G4Z3H6	95.00	120	480	4	114	117.63	10.06	19.0000	3.75
20F144N93F4Z3H6	99.75	144	480	3	120	90.63	11.06	19.0000	3.75
20F126N120G4Z3H6	99.75	126	480	3	120	117.63	10.06	19.0000	3.75
20F120N120F4Z3H6	100.00	120	480	4	120	108.63	14.06	19.0000	3.75
20F162N100G4Z3H6	101.00	162	480	3	121	97.63	10.06	19.0000	3.75
20F126N120F4Z3H6	105.00	126	480	3	126	108.63	14.06	19.0000	3.75
20F120N140G4Z3H6	110.00	120	480	4	132	137.63	14.06	19.0000	3.75
20F162N93F4Z3H6	112.00	162	480	3	135	90.63	11.06	19.0000	3.75
20F180N100G4Z3H6	112.50	180	480	3	135	97.63	10.06	19.0000	3.75
20F144N120G4Z3H6	114.00	144	480	3	137	117.63	10.06	19.0000	3.75
20F126N140G4Z3H6	115.50	126	480	3	139	137.63	14.06	19.0000	3.75
20F144N120F4Z3H6	120.00	144	480	3	144	108.63	14.06	19.0000	3.75
20F180N93F4Z3H6	124.50	180	480	5	150	90.63	11.06	19.0000	3.75
20F120N160G4Z3H6	130.00	120	480	4	156	157.63	14.06	19.0000	3.75
20F144N140G4Z3H6	132.00	144	480	4	159	137.63	14.06	19.0000	3.75
20F120N144F4Z3H6	133.00	120	480	4	160	141.63	14.06	19.0000	3.75
20F126N144F4Z3H6	140.00	126	480	7	168	141.63	14.06	19.0000	3.75
20F180N120G4Z3H6	142.50	180	480	5	171	117.63	10.06	19.0000	3.75
20F180N120F4Z3H6	150.00	180	480	5	180	108.63	14.06	19.0000	3.75
20F144N160G4Z3H6	156.00	144	480	4	188	157.63	14.06	19.0000	3.75
20F144N144F4Z3H6	160.00	144	480	4	192	141.63	14.06	19.0000	3.75
20F180N140G4Z3H6	165.00	180	480	5	198	137.63	14.06	19.0000	3.75
20F162N144F4Z3H6	180.00	162	480	9	217	141.63	14.06	19.0000	3.75
20F180N160G4Z3H6	195.00	180	480	5	235	157.63	14.06	19.0000	3.75
20F180N144F4Z3H6	199.50	180	480	5	240	141.63	14.06	19.0000	3.75

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>
24F192N100G4Z3H6	120.00	192	480	4	144	97.13	9.56	23.0000	4.25
24F192N93F4Z3H6	133.00	192	480	4	160	90.13	10.56	23.0000	4.25
24F216N100G4Z3H6	135.00	216	480	4	162	97.13	9.56	23.0000	4.25
24F216N93F4Z3H6	149.50	216	480	4	180	90.13	10.56	23.0000	4.25
24F240N100G4Z3H6	150.00	240	480	4	180	97.13	9.56	23.0000	4.25
24F192N120G4Z3H6	152.00	192	480	4	183	117.13	9.56	23.0000	4.25
24F192N120F4Z3H6	160.00	192	480	4	192	108.13	13.56	23.0000	4.25
24F240N93F4Z3H6	166.50	240	480	8	200	90.13	10.56	23.0000	4.25
24F216N120G4Z3H6	171.00	216	480	6	206	117.13	9.56	23.0000	4.25
24F192N140G4Z3H6	176.00	192	480	8	212	137.13	13.56	23.0000	4.25
24F216N120F4Z3H6	180.00	216	480	6	217	108.13	13.56	23.0000	4.25
24F240N120G4Z3H6	190.00	240	480	8	229	117.13	9.56	23.0000	4.25
24F216N140G4Z3H6	198.00	216	480	6	238	137.13	13.56	23.0000	4.25
24F240N120F4Z3H6	200.00	240	480	8	241	108.13	13.56	23.0000	4.25
24F192N160G4Z3H6	208.00	192	480	8	250	157.13	13.56	23.0000	4.25
24F192N144F4Z3H6	213.00	192	480	8	256	141.13	13.56	23.0000	4.25
24F240N140G4Z3H6	220.00	240	480	8	265	137.13	13.56	23.0000	4.25

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24F216N160G4Z3H6	234.00	216	480	6	281	157.13	13.56	23.0000	4.25
24F216N144F4Z3H6	239.50	216	480	6	288	141.13	13.56	23.0000	4.25
24F240N160G4Z3H6	260.00	240	480	8	313	157.13	13.56	23.0000	4.25
24F240N144F4Z3H6	266.50	240	480	8	321	141.13	13.56	23.0000	4.25

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>
4F6N10M2Z3H6	0.25	6	240	1	1	9.63	3.06	3.8260	1.75
4F6N13M1Z3H6	0.38	6	120	1	2	12.63	3.06	3.8260	1.75
4F6N13M2Z3H6	0.38	6	120	1	2	12.63	3.06	3.8260	1.75
4F6N13M4Z3H6	0.38	6	480	1	0	12.63	3.06	3.8260	1.75
4F6N18M4Z3H6	0.50	6	480	1	1	17.13	3.06	3.8260	1.75
4F6N18M2Z3H6	0.50	6	240	1	1	17.13	3.06	3.8260	1.75
4F6N20M2Z3H6	0.63	6	240	1	2	19.13	3.06	3.8260	1.75
4F6N20M4Z3H6	0.63	6	480	1	1	19.63	3.06	3.8260	1.75
4F6N25M1Z3H6	0.75	6	120	1	4	24.63	3.06	3.8260	1.75
4F6N25M4Z3H6	0.75	6	480	1	1	24.63	3.06	3.8260	1.75
4F6N25M2Z3H6	0.75	6	240	1	2	24.63	3.06	3.8260	1.75
4F6N33M4Z3H6	1.00	6	480	1	1	32.13	3.06	3.8260	1.75
4F6N40M2Z3H6	1.25	6	240	1	3	39.63	3.06	3.8260	1.75
4F6N40M4Z3H6	1.25	6	480	1	2	39.63	3.06	3.8260	1.75
4F6N48M4Z3H6	1.50	6	480	1	2	47.13	3.06	3.8260	1.75
4F6N52M4Z3H6	1.63	6	480	1	2	51.13	5.06	3.8260	1.75
4F6N52M2Z3H6	1.63	6	240	1	4	51.13	5.06	3.8260	1.75
4F6N59M4Z3H6	1.63	6	480	1	2	57.13	12.06	3.8260	1.75
4F6N64M2Z3H6	2.13	6	240	1	5	63.63	5.06	3.8260	1.75
4F6N64M4Z3H6	2.13	6	480	1	3	63.63	5.06	3.8260	1.75
4F6N73M4Z3H6	2.13	6	480	1	3	71.13	16.06	3.8260	1.75
4F6N77M2Z3H6	2.50	6	240	1	6	76.13	5.06	3.8260	1.75
4F6N77M4Z3H6	2.50	6	480	1	3	76.13	5.06	3.8260	1.75
4F6N88M4Z3H6	2.75	6	480	1	3	88.13	5.06	3.8260	1.75
4F6N95M4Z3H6	2.75	6	480	1	3	93.13	12.06	3.8260	1.75
4F6N106M4Z3H6	3.13	6	480	1	4	105.63	12.06	3.8260	1.75
4F6N120M4Z3H6	3.88	6	480	1	5	119.63	12.06	3.8260	1.75
4F6N140M4Z3H6	4.38	6	480	1	5	139.63	16.06	3.8260	1.75
4F6N160M4Z3H6	5.00	6	480	1	6	159.63	16.06	3.8260	1.75

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>
6F12N52M4Z3H6	3.25	12	480	1	4	50.75	4.69	5.7610	2.13
6F12N52M2Z3H6	3.25	12	240	1	8	50.75	4.69	5.7610	2.13
6F12N59M4Z3H6	3.25	12	480	1	4	56.75	11.69	5.7610	2.13
6F12N64M2Z3H6	4.25	12	240	1	10	63.25	4.69	5.7610	2.13
6F12N64M4Z3H6	4.25	12	480	1	5	63.25	4.69	5.7610	2.13
6F12N73M4Z3H6	4.25	12	480	1	5	70.75	15.69	5.7610	2.13
6F12N77M2Z3H6	5.00	12	240	1	12	75.75	4.69	5.7610	2.13
6F12N77M4Z3H6	5.00	12	480	1	6	75.75	4.69	5.7610	2.13
6F12N88M4Z3H6	5.50	12	480	1	7	87.75	4.69	5.7610	2.13
6F12N95M4Z3H6	5.50	12	480	1	7	92.75	11.69	5.7610	2.13
6F12N106M4Z3H6	6.25	12	480	1	8	105.25	11.69	5.7610	2.13
6F12N120M4Z3H6	7.75	12	480	1	9	119.25	11.69	5.7610	2.13
6F12N140M4Z3H6	8.75	12	480	1	11	139.25	15.69	5.7610	2.13
6F12N160M4Z3H6	10.00	12	480	1	12	159.25	15.69	5.7610	2.13

600# Flanged Immersion Heaters - Type IF

8 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
8F18N52M4Z3H6	5.00	18	480	1	6	50.44	4.38	7.6250	2.44
8F18N59M4Z3H6	5.00	18	480	1	6	56.44	11.38	7.6250	2.44
8F18N64M4Z3H6	6.38	18	480	1	8	62.94	4.38	7.6250	2.44
8F18N73M4Z3H6	6.38	18	480	1	8	70.44	15.38	7.6250	2.44
8F24N52M4Z3H6	6.63	24	480	1	8	50.44	4.38	7.6250	2.44
8F24N59M4Z3H6	6.63	24	480	1	8	56.44	11.38	7.6250	2.44
8F18N77M4Z3H6	7.50	18	480	1	9	75.44	4.38	7.6250	2.44
8F18N88M4Z3H6	8.38	18	480	1	10	87.44	4.38	7.6250	2.44
8F18N95M4Z3H6	8.38	18	480	1	10	92.44	11.38	7.6250	2.44
8F24N64M4Z3H6	8.50	24	480	1	10	62.94	4.38	7.6250	2.44
8F24N73M4Z3H6	8.50	24	480	1	10	70.44	15.38	7.6250	2.44
8F18N106M4Z3H6	9.38	18	480	1	11	104.94	11.38	7.6250	2.44
8F24N77M4Z3H6	10.00	24	480	1	12	75.44	4.38	7.6250	2.44
8F24N88M4Z3H6	11.00	24	480	1	13	87.44	4.38	7.6250	2.44
8F24N95M4Z3H6	11.00	24	480	1	13	92.44	11.38	7.6250	2.44
8F18N120M4Z3H6	11.50	18	480	1	14	118.94	11.38	7.6250	2.44
8F24N106M4Z3H6	12.50	24	480	1	15	104.94	11.38	7.6250	2.44
8F18N140M4Z3H6	13.00	18	480	1	16	138.94	15.38	7.6250	2.44
8F18N160M4Z3H6	15.00	18	480	1	18	158.94	15.38	7.6250	2.44
8F24N120M4Z3H6	15.50	24	480	1	19	118.94	11.38	7.6250	2.44
8F24N140M4Z3H6	17.50	24	480	1	21	138.94	15.38	7.6250	2.44
8F24N160M4Z3H6	20.00	24	480	1	24	158.94	15.38	7.6250	2.44

10 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
10F30N52M4Z3H6	8.25	30	480	1	10	50.13	4.06	9.7500	2.75
10F30N59M4Z3H6	8.25	30	480	1	10	56.13	11.06	9.7500	2.75
10F36N52M4Z3H6	10.00	36	480	1	12	50.13	4.06	9.7500	2.75
10F36N59M4Z3H6	10.00	36	480	1	12	56.13	11.06	9.7500	2.75
10F30N64M4Z3H6	10.50	30	480	1	13	62.63	4.06	9.7500	2.75
10F30N73M4Z3H6	10.50	30	480	1	13	70.13	15.06	9.7500	2.75
10F30N77M4Z3H6	12.50	30	480	1	15	75.13	4.06	9.7500	2.75
10F36N64M4Z3H6	12.75	36	480	1	15	62.63	4.06	9.7500	2.75
10F36N73M4Z3H6	12.75	36	480	1	15	70.13	15.06	9.7500	2.75
10F30N88M4Z3H6	14.00	30	480	1	17	87.13	4.06	9.7500	2.75
10F30N95M4Z3H6	14.00	30	480	1	17	92.13	11.06	9.7500	2.75
10F36N77M4Z3H6	15.00	36	480	1	18	75.13	4.06	9.7500	2.75
10F30N106M4Z3H6	15.75	30	480	1	19	104.63	11.06	9.7500	2.75
10F36N88M4Z3H6	16.75	36	480	1	20	87.13	4.06	9.7500	2.75
10F36N95M4Z3H6	16.75	36	480	1	20	92.13	11.06	9.7500	2.75
10F36N106M4Z3H6	18.75	36	480	1	23	104.63	11.06	9.7500	2.75
10F30N120M4Z3H6	19.50	30	480	1	23	118.63	11.06	9.7500	2.75
10F30N140M4Z3H6	21.75	30	480	1	26	138.63	15.06	9.7500	2.75
10F36N120M4Z3H6	23.25	36	480	1	28	118.63	11.06	9.7500	2.75
10F30N160M4Z3H6	25.00	30	480	1	30	158.63	15.06	9.7500	2.75
10F36N140M4Z3H6	26.25	36	480	1	32	138.63	15.06	9.7500	2.75
10F36N160M4Z3H6	30.00	36	480	1	36	158.63	15.06	9.7500	2.75

12 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
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600# Flanged Immersion Heaters - Type IF

12F48N52M4Z3H6	13.25	48	480	1	16	50.00	3.94	11.7500	2.88
12F48N59M4Z3H6	13.25	48	480	1	16	56.00	10.94	11.7500	2.88
12F48N64M4Z3H6	17.00	48	480	1	20	62.50	3.94	11.7500	2.88
12F48N73M4Z3H6	17.00	48	480	1	20	70.00	14.94	11.7500	2.88
12F48N77M4Z3H6	20.00	48	480	1	24	75.00	3.94	11.7500	2.88
12F48N88M4Z3H6	22.25	48	480	1	27	87.00	3.94	11.7500	2.88
12F48N95M4Z3H6	22.25	48	480	1	27	92.00	10.94	11.7500	2.88
12F54N88M4Z3H6	25.00	54	480	1	30	87.00	3.94	11.7500	2.88
12F54N95M4Z3H6	25.00	54	480	1	30	92.00	10.94	11.7500	2.88
12F48N106M4Z3H6	25.00	48	480	1	30	104.50	10.94	11.7500	2.88
12F54N106M4Z3H6	28.25	54	480	1	34	104.50	10.94	11.7500	2.88
12F48N120M4Z3H6	31.00	48	480	1	37	118.50	10.94	11.7500	2.88
12F54N120M4Z3H6	35.00	54	480	1	42	118.50	10.94	11.7500	2.88
12F48N140M4Z3H6	35.00	48	480	1	42	138.50	14.94	11.7500	2.88
12F54N140M4Z3H6	39.25	54	480	1	47	138.50	14.94	11.7500	2.88
12F48N160M4Z3H6	40.00	48	480	1	48	158.50	14.94	11.7500	2.88

14 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
14F54N88M4Z3H6	25.00	54	480	1	30	86.88	3.81	13.0000	3.00
14F54N95M4Z3H6	25.00	54	480	1	30	91.88	10.81	13.0000	3.00
14F60N88M4Z3H6	28.00	60	480	1	34	86.88	3.81	13.0000	3.00
14F60N95M4Z3H6	28.00	60	480	1	34	91.88	10.81	13.0000	3.00
14F54N106M4Z3H6	28.25	54	480	1	34	104.38	10.81	13.0000	3.00
14F60N106M4Z3H6	31.50	60	480	1	38	104.38	10.81	13.0000	3.00
14F72N88M4Z3H6	33.50	72	480	1	40	86.88	3.81	13.0000	3.00
14F72N95M4Z3H6	33.50	72	480	1	40	91.88	10.81	13.0000	3.00
14F54N120M4Z3H6	35.00	54	480	1	42	118.38	10.81	13.0000	3.00
14F72N106M4Z3H6	37.75	72	480	1	45	104.38	10.81	13.0000	3.00
14F60N120M4Z3H6	39.00	60	480	1	47	118.38	10.81	13.0000	3.00
14F54N140M4Z3H6	39.25	54	480	1	47	138.38	14.81	13.0000	3.00
14F60N140M4Z3H6	43.75	60	480	2	53	138.38	14.81	13.0000	3.00
14F72N120M4Z3H6	46.75	72	480	2	56	118.38	10.81	13.0000	3.00
14F60N160M4Z3H6	50.00	60	480	2	60	158.38	14.81	13.0000	3.00
14F72N140M4Z3H6	52.50	72	480	2	63	138.38	14.81	13.0000	3.00
14F72N160M4Z3H6	60.00	72	480	2	72	158.38	14.81	13.0000	3.00

16 Inch Heaters

Part Number	kW	No. Ele.	Volts	Circuits	Amps	OAL	CL	ID	FT
16F84N88M4Z3H6	39.00	84	480	1	47	86.63	3.56	15.0000	3.25
16F84N95M4Z3H6	39.00	84	480	1	47	91.63	10.56	15.0000	3.25
16F84N106M4Z3H6	44.00	84	480	2	53	104.13	10.56	15.0000	3.25
16F96N88M4Z3H6	44.75	96	480	2	54	86.63	3.56	15.0000	3.25
16F96N95M4Z3H6	44.75	96	480	2	54	91.63	10.56	15.0000	3.25
16F96N106M4Z3H6	50.25	96	480	2	60	104.13	10.56	15.0000	3.25
16F84N120M4Z3H6	54.50	84	480	2	66	118.13	10.56	15.0000	3.25
16F84N140M4Z3H6	61.25	84	480	2	74	138.13	14.56	15.0000	3.25
16F96N120M4Z3H6	62.25	96	480	2	75	118.13	10.56	15.0000	3.25
16F90N140M4Z3H6	65.50	90	480	3	79	138.13	14.56	15.0000	3.25
16F96N140M4Z3H6	70.00	96	480	2	84	138.13	14.56	15.0000	3.25
16F84N160M4Z3H6	70.00	84	480	2	84	158.13	14.56	15.0000	3.25
16F90N160M4Z3H6	75.00	90	480	3	90	158.13	14.56	15.0000	3.25
16F96N160M4Z3H6	80.00	96	480	2	96	158.13	14.56	15.0000	3.25

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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>
18F108N88M4Z3H6	50.25	108	480	2	60	86.38	3.31	17.0000	3.50
18F108N95M4Z3H6	50.25	108	480	2	60	91.38	10.31	17.0000	3.50
18F108N106M4Z3H6	56.50	108	480	2	68	103.88	10.31	17.0000	3.50
18F108N120M4Z3H6	70.00	108	480	2	84	117.88	10.31	17.0000	3.50
18F108N140M4Z3H6	78.75	108	480	2	95	137.88	14.31	17.0000	3.50
18F108N160M4Z3H6	90.00	108	480	3	108	157.88	14.31	17.0000	3.50

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>
20F120N88M4Z3H6	56.00	120	480	2	67	86.13	3.06	19.0000	3.75
20F120N95M4Z3H6	56.00	120	480	2	67	91.13	10.06	19.0000	3.75
20F132N88M4Z3H6	61.50	132	480	2	74	86.13	3.06	19.0000	3.75
20F132N95M4Z3H6	61.50	132	480	2	74	91.13	10.06	19.0000	3.75
20F120N106M4Z3H6	63.00	120	480	2	76	103.63	10.06	19.0000	3.75
20F126N106M4Z3H6	66.00	126	480	3	79	103.63	10.06	19.0000	3.75
20F144N88M4Z3H6	67.00	144	480	2	81	86.13	3.06	19.0000	3.75
20F144N95M4Z3H6	67.00	144	480	2	81	91.13	10.06	19.0000	3.75
20F132N106M4Z3H6	69.25	132	480	2	83	103.63	10.06	19.0000	3.75
20F162N88M4Z3H6	75.50	162	480	3	91	86.13	3.06	19.0000	3.75
20F162N95M4Z3H6	75.50	162	480	3	91	91.13	10.06	19.0000	3.75
20F144N106M4Z3H6	75.50	144	480	2	91	103.63	10.06	19.0000	3.75
20F120N120M4Z3H6	78.00	120	480	2	94	117.63	10.06	19.0000	3.75
20F126N120M4Z3H6	81.75	126	480	3	98	117.63	10.06	19.0000	3.75
20F180N88M4Z3H6	84.00	180	480	3	101	86.13	3.06	19.0000	3.75
20F180N95M4Z3H6	84.00	180	480	3	101	91.13	10.06	19.0000	3.75
20F162N106M4Z3H6	85.00	162	480	3	102	103.63	10.06	19.0000	3.75
20F120N140M4Z3H6	87.50	120	480	4	105	137.63	14.06	19.0000	3.75
20F126N140M4Z3H6	91.75	126	480	3	110	137.63	14.06	19.0000	3.75
20F144N120M4Z3H6	93.50	144	480	3	112	117.63	10.06	19.0000	3.75
20F180N106M4Z3H6	94.50	180	480	3	114	103.63	10.06	19.0000	3.75
20F120N160M4Z3H6	100.00	120	480	4	120	157.63	14.06	19.0000	3.75
20F162N120M4Z3H6	105.00	162	480	3	126	117.63	10.06	19.0000	3.75
20F144N140M4Z3H6	105.00	144	480	3	126	137.63	14.06	19.0000	3.75
20F126N160M4Z3H6	105.00	126	480	3	126	157.63	14.06	19.0000	3.75
20F180N120M4Z3H6	117.00	180	480	3	141	117.63	10.06	19.0000	3.75
20F162N140M4Z3H6	118.00	162	480	3	142	137.63	14.06	19.0000	3.75
20F144N160M4Z3H6	120.00	144	480	3	144	157.63	14.06	19.0000	3.75
20F180N140M4Z3H6	131.00	180	480	5	158	137.63	14.06	19.0000	3.75
20F180N160M4Z3H6	150.00	180	480	5	180	157.63	14.06	19.0000	3.75

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>
24F192N95M4Z3H6	89.50	192	480	4	108	90.63	9.56	23.0000	4.25
24F216N95M4Z3H6	100.50	216	480	3	121	90.63	9.56	23.0000	4.25
24F192N106M4Z3H6	100.50	192	480	4	121	103.13	9.56	23.0000	4.25
24F234N95M4Z3H6	109.00	234	480	3	131	90.63	9.56	23.0000	4.25
24F240N95M4Z3H6	112.00	240	480	4	135	90.63	9.56	23.0000	4.25
24F216N106M4Z3H6	113.00	216	480	3	136	103.13	9.56	23.0000	4.25
24F192N120M4Z3H6	124.50	192	480	4	150	117.13	9.56	23.0000	4.25
24F240N106M4Z3H6	126.00	240	480	4	152	103.13	9.56	23.0000	4.25
24F216N120M4Z3H6	140.00	216	480	4	168	117.13	9.56	23.0000	4.25

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24F192N140M4Z3H6	140.00	192	480	4	168	137.13	13.56	23.0000	4.25
24F240N120M4Z3H6	156.00	240	480	4	188	117.13	9.56	23.0000	4.25
24F216N140M4Z3H6	157.50	216	480	4	189	137.13	13.56	23.0000	4.25
24F192N160M4Z3H6	160.00	192	480	4	192	157.13	13.56	23.0000	4.25
24F240N140M4Z3H6	175.00	240	480	8	210	137.13	13.56	23.0000	4.25
24F216N160M4Z3H6	180.00	216	480	6	217	157.13	13.56	23.0000	4.25
24F240N160M4Z3H6	200.00	240	480	8	241	157.13	13.56	23.0000	4.25